



NATIONAL FISH AND WILDLIFE FOUNDATION > 2011 CONSERVATION INVESTMENTS



NFWF



Created by Congress in 1984, the National Fish and Wildlife Foundation (NFWF) protects and sustains our nation's wildlife and habitats. We direct public dollars to pressing environmental needs and match those investments with private contributions.

NFWF uses science-based strategies to solve complex problems and achieve measurable results. With the support of our wide network of partners, we have become one of the world's largest conservation grant-makers.

In FY 2011, NFWF supported 569 projects with a total value of more than \$130 million in conservation funding.

UNITED STATES

ALABAMA

Alabama Forestry Commission

Longleaf Pine Restoration on Alabama State Forests

Restore longleaf pine to a total of 667 acres on four state forests through site preparation, burning, and replanting approximately 363,515 containerized longleaf pine seedlings. \$197,960

Alabama Wildlife Federation

Native Warm Season Grass Establishment and Capacity Building

Establish a minimum of 100 acres of native warm season grass habitat on 10 demonstration sites in Alabama, break down implementation barriers, fill practical knowledge gaps, and accelerate adoption into the resource manager tool box. \$194,000

American Bird Conservancy

Beach-Nesting Bird Conservation in the Gulf of Mexico

Build a lasting conservation network of volunteers and conservation organizations to protect vulnerable beach-nesting birds along the Gulf coast. \$270,000

Auburn University

Oyster Reserve Establishment in Mississippi Sound

Create the first oyster reserve in Alabama. Prohibit oyster harvesting, improve oyster habitat and establish dense assemblages of reproductive oysters for a regional spawning sanctuary. \$53,068

Auburn University

Restoring Stream Functions in Holland Creek

Stabilize streambanks to improve water quality and habitat in an impaired urban stream. Project partners will collaborate to restore stream functions on 500 feet of Holland Creek. \$39,100

Avian Research and Conservation Institute, Inc.

Southeastern American Kestrel Strategic Plan and Management

Produce a strategic recovery plan for the Southeastern American Kestrel. Project will prioritize treatment sites, advise and coordinate habitat and nest-box management, measure success, perform and evaluate translocations, and select reintroduction sites. \$66,015

City of Orange Beach, Alabama

Perdido Bay / Pass Islands Protection and Restoration

Acquire Walker and Gilchrest Islands and restore important bird habitats on these islands and Robinson Island. \$435,848

Conservian, Inc.

Restoration of Gulf Coast Shorebirds and Habitats

Restore and protect Gulf coast shorebird populations and coastal habitats impacted by Deepwater Horizon oil spill and clean-up. \$200,000

Conservian, Inc.

U.S. Gulf Shorebird Assessment and Management Plan

Conduct a Gulf-wide assessment on the conservation status of select, high priority beach-nesting shorebirds and summarize best management practices for conservation of those species through the development of a management manual. \$125,000

Friends of Rookery Bay, Inc.

Implementing the Gulf of Mexico Regional Marine Protected Area Plan - II

Implement three key elements of the Gulf of Mexico Regional Marine Protected Area Plan focusing on managing for climate change, catastrophic event response, and outreach and training. \$35,000

Gulf of Mexico Reef Fish Shareholders' Alliance

Comprehensive Reef Fish and Headboat Individual Fishing Quotas within the Gulf

Protect reef fish through implementation of individual fishing quota systems and establish a pilot individual fishing quota program for recreational "head boat" operators. \$200,002

International Union for Conservation of Nature and Natural Resources—U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti

Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts. \$30,000

Manomet, Inc.

American Oystercatcher Recovery - II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance. \$218,952

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites. \$647,861

Marine Environmental Sciences

Consortium / Dauphin Island Sea Lab

Cooperative Marine Mammal Stranding Network for Alabama

Increase the capacity of the primary response unit in Alabama, including training and equipment, for improved stranding response for marine mammals including dolphins and manatees. \$148,563

Marine Environmental Sciences

Consortium / Dauphin Island Sea Lab

Prichard Reading Park Stream Bank Restoration

Restore stream and riparian habitat in Prichard, Alabama. Project will establish an educational site for showcasing appropriate technologies for managing buffer areas in an urban setting. \$22,955

National Wildlife Federation

Alabama Longleaf Pine Restoration on Private Lands - II

Restore longleaf pine habitat on approximately 2,750 acres on private lands in three priority regions. Project will affect another potential 6,000 acres through landowner outreach and assistance. \$150,000

The Longleaf Alliance, Inc.

Eglin / Conecuh / Blackwater Longleaf Conservation and Partnership Development

Continue the Gulf Coastal Plain Ecosystem Partnership to restore 5,185 acres of longleaf pine and use the partnership as a model to expand to the Eglin Air Force Base / Blackwater State Forest / Conecuh National Forest Significant Geographic Area as identified by the Range-Wide Conservation Plan for Longleaf Pine. \$196,708

The Longleaf Alliance, Inc.

Longleaf Pine Conservation in the East Gulf Coastal Plain

Integrate landowner outreach, natural resource professional training, and Longleaf Delivery Specialists to conserve longleaf pine in priority areas of Alabama, Mississippi, and Florida. \$189,000

The Nature Conservancy

Alabama Multi-Site Longleaf Pine Ecosystem Restoration

Restore approximately 456 acres of longleaf pine on three sites in Alabama. An additional 500 acres will be burned at these sites to improve native groundcover. \$67,361

The Nature Conservancy

Oyster Restoration in the Gulf of Mexico Enhance oyster restoration in Louisiana and Alabama by building one mile of new oyster reefs. \$1,100,000

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico

Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling. \$137,613

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

ALASKA

Alaska Department of Fish and Game

Reducing Conflicts Between Grizzly Bears and Oil Development – III

Evaluate grizzly bear den detection methods, identify and map denning habitat, and study effects of food-conditioning in Arctic Alaska. Project will aid industry in reducing disturbance to active dens. \$138,650

Alaska Department of Fish and Game

Temporal Diet and Stress Profiles from Seal Whiskers

Analyze sections of bearded, ringed, and harbor seal vibrissae to record changes in diet and stress over time. Project will allow for an assessment of responses to factors such as climate change. \$64,197

Alaska Longline Fishermen’s Association

Electronic Monitoring for Alaskan Catch Share Fisheries

Field test/ operationalize electronic monitoring on community based boats in Alaska halibut/ sablefish catch share fisheries. Findings will inform the development of restructured North Pacific observer program and other catch share fisheries. \$220,000

BioDiversity Research Institute

North Slope Yellow-billed Loon Breeding Ecology

Determine factors that may account for Yellow-billed loon breeding distribution in the National Petroleum Reserve on the North Slope of Alaska. Project will result in a model to be used by the Bureau of Land Management to identify high quality breeding habitats to conserve. \$41,000

Copper River Watershed Project

Stopping Invasive Plant Expansion

Use a Cooperative Weed Management Area plan developed in 2010/2011 to continue removal of invasive plant infestations in Cordova, Alaska. \$40,000

Ecotrust

Community-based Fisheries Trust Network Support the national emergence of effective community fishing organizations through the development of their quota acquisition strategies, sustainability standards, and business plans for community-based seafood. \$200,000

LGL Alaska Research Associates, Inc.

Photo-identification of Beluga Whales in Upper Cook Inlet – V

Continue use of photo-identification to assess and monitor individual and population characteristics of Cook Inlet beluga whales. Project findings will be used to better understand and manage belugas. \$46,350

North Slope Borough, Alaska

Beluga Diets – Baselines and Indirect Diet Assessments

Measure fatty acids and stable isotopes in beluga whale tissues to provide baseline data and refine indirect methods to estimate diet of whales from the Chukchi and Beaufort seas. Project will aid the preparation and evaluation of environmental impact statements and help assess potential impacts from climate change and other human activities. \$66,632

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Sea Research Foundation, Inc.

Baseline Health Measurements in Wild Belugas

Conduct baseline health measurements on wild beluga whales in Point Lay, Alaska. The results of the study will serve as future reference points in assessing threats on wild belugas. \$75,000

Southeast Alaska Guides Organization, Inc.

Alaska Catch Share Plan for the Guided Sport Sector

Develop a conceptual recreational catch share plan that would result in a more economically viable and stable charter industry and minimize the potential for overfishing. \$205,000

The Great Land Trust, Inc.

O'Brien Creek Estuary Conservation

Conserve via permanent conservation easement, O'Brien Creek Estuary, including roughly 25 acres of coastal wetlands, intertidal mudflats and 260 feet of O'Brien Creek. Project will provide migration and rearing habitat for North Pacific coho salmon and feeding habitat for the endangered population of the beluga whale. \$73,000

U.S. Fish and Wildlife Service

Chick Translocation for Short-tailed Albatross Recovery – III

Conduct the final year of translocation of endangered short-tailed chicks from an eroding slope on a volcanic island to a protected site on Mukojima, an island in the Bonin chain. This effort was initiated in 2005 and the long term outcome of this project is the recovery of the short-tailed albatross. \$100,000

U.S. Fish and Wildlife Service

Documentary Film: America’s Wildest Refuge: Discovering the Arctic National Wildlife Refuge

Produce an hour-long, high-definition video documentary about the Arctic National Wildlife Refuge. Documentary will feature interviews with current refuge staff and local citizens as well as the late Senator Ted Stevens and Secretary of the Interior, Ken Salazar. \$100,000

U.S. Fish and Wildlife Service

Steller’s and Spectacled Eider Conservation – IV

Conserve Steller’s and spectacled eiders through continued research, monitoring, and outreach. The data collected will support population recovery by developing and evaluating management strategies. \$40,000

U.S. Fish and Wildlife Service —

Kodiak National Wildlife Refuge

Nesting Ecology of Kittlitz’s Murrelet on Kodiak Refuge

Conduct a four year study on Kodiak Island, Alaska of nesting ecology and reproductive performance of Kittlitz’s murrelet. Project results will provide knowledge required for Endangered Species Act listing determination and future conservation efforts. \$30,000

U.S. Fish and Wildlife Service — Region 7

Bird Responses Assessment in the Boreal - Arctic Zone

Use a bioclimatic envelope approach to predict how the distribution and abundance of boreal forest birds will respond to changing habitats across North America’s boreal-Arctic transition zone. Project will map and quantify potential range expansions of boreal bird species into Arctic and subarctic regions across Alaska and Canada. \$78,707

U.S. Fish and Wildlife Service — Region 7

Mapping Suitable Snow Habitat for Polar Bear Denning

Develop improved polar bear den habitat models by incorporating fine-scale topography and snow transport models that use in-season weather data to predict the occurrence of suitable snow drifts for dens in the North Slope and central Beaufort Sea coastal zone region of Alaska. Project will produce more refined and accurate den habitat predictions in map form. \$30,957

University of Alaska Fairbanks

Arctic Herbivore Habitat Assessment Under Changing Climate

Study how an arctic specific dynamic vegetation model could be used to predict the habitat of arctic herbivores in the tundra-boreal forest. Project will conduct model modifications that will result in an updated version of the dynamic vegetation model that is appropriate for conducting habitat assessment for focal herbivores in northern Alaska. \$25,704

U.S. Geological Survey, Alaska Science Center

Teshkepuk Lake Ecosystem Studies

Establish a long-term research and monitoring program to develop a model that will forecast potential habitat changes and human pressure on Teshkepuk Lake, located on the North Slope of Alaska, in order to help land and resource managers refine their fish and wildlife management plans for the Arctic. \$88,293

Woods Hole Oceanographic Institution

Bowhead Whale Stable Isotopes as Ecosystem Indicators

Analyze stable isotope ratios from bowhead whale baleens to monitor the nutrient flow through Arctic marine food webs. Project results will aid the scientific community and general public with future management plans in the Arctic region. \$80,579

ARIZONA

Arizona Game and Fish Department

Advancing Chiricahua Leopard Frog Recovery in Southeast Arizona

Facilitate recovery of Chiricahua leopard frogs by coordinating and implementing high priority recovery activities in the Sky Islands grasslands. \$215,053

Arizona Game and Fish Department

Black-tailed Prairie Dog Restoration and Monitoring – II

Establish a fourth release site for Black-tailed prairie dogs within the Las Cienegas National Conservation Area. Project will help restore degraded grasslands and restore a native species. \$106,000

Bureau of Land Management

Aravaipa Creek Base Flow Security and Enhancement

Work in Arizona’s Stowe Gulch watershed to enhance watershed function and water infiltration contributing to Aravaipa Creek baseflow, while working to remediate watershed factors contributing to active gullies. Project will aid in maintaining base flows and perennial flow in Aravaipa Creek by up to 0.5 miles in its upper reaches, and reduce peak flows and sediment coming out of the Stowe Gulch watershed. \$30,000

Bureau of Land Management

Sands Draw Aquatic Enhancement and Habitat Restoration

Create riparian buffers to restore aquatic and terrestrial habitat in the Sands Draw wildlife enclosure in southeastern Arizona. Project will protect and expand moisture storing areas, stabilize eroding areas, and improve habitat for endangered and sensitive fish species. \$13,000

Desert Botanical Garden, Inc.

GIS-Based Analysis of Endemic Plant Distributions in Arizona

Map distributions of plant endemics and identify centers of endemism on federal lands in Arizona. Project will produce data to be shared to aid conservation planning. \$30,000

Grant Soil & Water Conservation District

Sky Island Region Initiative for Invasive Plant Management

Unite various agencies, private landowners, and others to promote and enhance an integrated invasive plant management program through an early detection and rapid response effort. Project will result in the development of a multi-agency process to carry-out early detection rapid response to new occurrences of state listed noxious weeds within the Sky Island Region. \$140,000

Malpai Borderlands Group, Inc.

Grassland Protection in the Malpai Borderlands

Acquire a conservation easement over 604 acres of the Malpai Ranch, which will protect native grassland habitat from subdivision and development. \$60,000

New Mexico Land Conservancy

Nutrioso Creek Riparian Restoration and Protection

Restore and protect riparian habitat along Nutrioso Creek to improve habitat for the threatened Little Colorado River spinedace. Project will reduce sediment, temperature, flood intensity. \$12,990

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Rocky Mountain Bird Observatory

Conservation Planning for Grassland Birds

Enable conservation of grassland birds, including Baird’s Sparrow, by providing data on their wintering abundance, distribution and habitat needs, and a baseline for evaluating response to restoration. \$260,770

Sky Island Alliance

Restoration of the Greater Huachuca Grassland Complex in Arizona and Mexico

Plan and implement riparian restoration in the Ciénega Creek and Las Nutrias Headwaters Watersheds. Project will involve the training of volunteers and community members and implementation of techniques developed by experts. \$177,485

U.S. Fish and Wildlife Service —

Kofa National Wildlife Refuge

Southwest Arizona Refuge Bookstore Start-Up and Expansion

Start up bookstores at Cibola and Imperial National Wildlife Refuges and expand stock at Kofa National Wildlife Refuge bookstore. Project will expand Refuge capacity. \$2,500

ARKANSAS

University of Tennessee
 Southeast Grassland Birds Initiative – II
 Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include the creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

CALIFORNIA

American River Conservancy
 Stewardship of Public Lands in the American River Watershed
 Prevent, manage and eradicate non-native invasive weeds through partnerships, volunteer outreach and integrated methods on public lands in the American River Watershed. Project will result in increased public awareness, prevention of noxious weed spread, and increased capacity of local groups involved in noxious weed management, in addition to improved watershed health. \$20,000

Bolsa Chica Land Trust
 Southern Tarplant Enhancement
 Restore and enhance the habitat for the rare southern tarplant on the 118-acre Bolsa Chica mesa at Bolsa Chica Ecological Reserve. Project will reduce invasive non-native grasses, increase southern tarplant and native coastal grass populations, and conduct long term monitoring. \$100,000

Buccaneer Fishing
 Reducing Halibut Bycatch through Gear Modifications
 Conduct the first systematic evaluation of a halibut bycatch reduction device for the Pacific coast trawl fleet and make recommendations on its applicability to the fleet’s fishing operations. \$72,600

Bureau of Land Management — Redding Field Office
 Northern California Oak Woodland Restoration Project
 Collect native plant material to propagate and plant on lands previously disturbed by human land use. Project will result in restored land and educational presentations made to the public. \$10,000

California Native Plant Society
 Rare Plant Surveys in High Priority BLM Lands of California
 Update rare plant and vegetation data on BLM lands using trained volunteers. Project will produce data to be shared with land managers to inform decisions and provide baseline data. \$67,300

Center for Ecosystem Management and Restoration
 Russian River Coho Salmon Partnership – II
 Continue working to increase the number of coho salmon in the Russian River by improving streamflow through summer by working with landowners to change water management practices. \$700,000

Chula Vista Nature Center Foundation
 Education on Sweetwater Marsh Refuge
 Fifteen thousand kindergarten through 6th-grade students will benefit from an updated education program enhanced with climate change curriculum. The project will include a Seasons of the Marsh plant and animal guide and web page dedicated to seasonal sites at the center. \$9,975

Delta Waterfowl Foundation
 Priority Waterfowl Research
 Conduct waterfowl research across the United States. Project will research survival and movements of mottled ducks, develop a Scaup population model, and evaluate factors influencing nest success. \$47,000

Ecotrust
 Community-Based Fisheries Trust Network
 Support the national emergence of effective community fishing organizations, through the development of their quota acquisition strategies, sustainability standards, and business plans for community-based seafood. \$200,000

Elkhorn Slough Foundation
 Control of Invasive Wetland Weeds in Elkhorn Slough Watershed
 Control perennial pepperweed and giant reed in the Elkhorn Slough watershed. Project will significantly control existing stands of perennial pepperweed and giant reed in Elkhorn Slough wetlands and adjacent uplands, and incorporate early detection rapid response for unestablished populations. \$30,000

Fishermen’s Marketing Association, Inc.
 Electronic Monitoring to Facilitate Affordable Catch Shares on the Pacific Coast
 Test whether video can accurately determine fish species. Success of the west coast groundfish trawl Individual Fishing Quota program depends on finding an affordable monitoring alternative to human observers. \$200,000

Friends of the Dunes
 Caring for Coastal Habitats
 Hold environmental education programs at the dune units of Humboldt Bay National Wildlife Refuge and include exploration of salt marsh, beach and dune environments

through hands-on, experiential learning opportunities aligned with California State Learning standards. Project will increase the number of schools and range of grade levels participating in hands-on field programs. \$4,996

Golden Gate National Parks Conservancy
 Presidio Coastal Bluffs Restoration and Community Engagement
 Conduct restoration in the Presidio coastal bluffs area at the mouth of San Francisco’s Golden Gate. Project will engage community volunteers and improve rare coastal habitat. \$40,000

Humboldt Bay Harbor, Recreation and Conservation District
 Humboldt Bay Regional Cordgrass Eradication
 Eradicate dense-flowered cordgrass on over 100 acres of salt marsh and develop a regional eradication plan through associated mapping, outreach, and research activities. Project will result in the restoration of native salt marsh communities in the Humboldt Bay region through the eradication of dense-flowered cordgrass and increased public awareness of the value of salt marsh and the threat from invasive species. \$59,925

Ilwaco Fishermen and Marketing Cooperative
 Collective Tools for Bycatch Management on the Pacific Coast
 Establish a series of innovative collective arrangements in the Pacific coast trawl Individual Fishing Quota fishery with the purpose of managing bycatch of depleted groundfish species. \$100,000

International Sea Turtle Society
 International Sea Turtle Symposium 2011
 Support the 31st Annual Symposium on Sea Turtle Biology & Conservation. Sample topics for the symposium will include sea turtle cold-stunning events and finding Common Ground in Fisheries Management as well as numerous regional networking meetings. \$7,300

Jonathan Szecsei
 Identifying the Effects of Fire in Riparian Zones on Regeneration of an Invasive Pathogenic Fungus
 Identify evidence of immediate fire use effects on fungus regeneration; percent regeneration will indicate success or failure of fire effects to change regenerative characteristics of the invasive fungus. An assessment of the potential effects of using fire to manage infected waters with minimal environmental influence will also be carried out. \$1,000

Kelly Weintraub
 Survival Rates of the Tricolored Blackbird in Grain Fields versus Wetlands
 Evaluate the survival rates of tricolored blackbird nests in different habitats to better understand the most effective means of attaining a sustainable tricolored blackbird population. The study will take place at the Kern National Wildlife Refuge and on nearby private land in California’s San Joaquin Valley. \$2,000

Los Angeles Conservation Corps
 Santa Monica Bay Coastal Habitat Restoration
 Restore and maintain native coastal dune habitat through grassroots efforts including plantings, outreach, and education. Project will ensure the survival of the El Segundo blue butterfly and the Pacific pocket mouse. \$39,046

Marine Conservation Biology Institute
 Optimizing Monitoring and Surveillance in MPAs
 Identify capacity, needs, and technologies to unite scientific monitoring with increased surveillance and enforcement in Marine Protected Areas. Project deliverables will include a workshop. \$26,033

Mattole Restoration Council
 Mattole and King Range Native Plant Restoration & Education
 Restore native grasslands, oak woodlands, and riparian forests in the Mattole watershed and King Range National Conservation Area through education, outreach, and installation of 51,000 native plants. \$25,000

Michael Hellmair
 Understanding Population Structure of the Tidewater Goby in Lagoon and Estuary Populations
 Contribute new information that will advance the protection and recovery of the tidewater goby, a federally endangered species. Research outcomes will increase understanding of the age, growth and population structure of the species in Big Lagoon and Humboldt Bay, California. \$2,000

National Audubon Society
 Enhancing Tidal Mudflats and Marshes on Aramburu Island
 Enhance 36 acres of degraded tidal mudflat and marsh habitat to improve habitat conditions for migratory shorebirds and waterbirds. \$135,000

Palo Verde Unified School District
 Desert Connections:
 Educating for the Sonoran Desert – II
 Continue to educate children in Blythe, California about their natural surroundings

and bridge the gap between academic performance and environmental education. Project activities will include field experiences, in-class lessons both before and after field experiences, and education of teachers. \$4,847

Palo Verde Unified School District
 Desert Connections:
 Educating for the Sonoran Desert
 Engage 578 elementary school children in citizen science programs at Cibola National Wildlife Refuge, to include tree plantings, animal and insect observations, and climate change education. Project will connect the students to local environmental and conservation issues and work to improve academic performance. \$9,024

Pollinator Partnership
 Pollinator Field Guides, Education, and Monitoring Protocols
 Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

San Francisco Community Fishing Association
 San Francisco Long Term Fishing Community Stabilization
 Further develop a community fishing association dedicated to the social, environmental, and financial sustainability of the ocean and the fishing community it supports. \$30,000

Siskiyou Institute
 Scott River Watershed Council Coordination
 Create a coordinated action plan for the Scott River Watershed. Project will involve multiple stakeholders and will result in a strategic restoration plan which identifies the top restoration priorities in the watershed. \$30,000

Solano Resource Conservation District
 Lake Solano Restoration and Watershed Education
 Control five species of invasive plants, restore 15 species of native plants, engage community volunteers and Park visitors, and implement a comprehensive school education program. \$28,812

Sonoma County Water Agency
 Estuary Entry and Habitat Use by Native Anadromous Salmonids
 Gather data to define the role of the Russian River estuary in Northern California in structuring native salmonid populations, primarily coho salmon. Project will provide life cycle and habitat-specific estimates of residence time, growth and survival necessary for prioritizing key restoration areas. \$59,760

The Institute for Bird Populations
 Standardizing Bird Surveys at Meadow Restoration Sites – II
 Survey birds at more than 20 pre-restoration and five post-restoration sites and at paired control sites. Project will develop a web-page to consolidate resources for designing and monitoring bird-friendly meadow restoration. \$80,473

The Nature Conservancy
 eCatch: Web-based Monitoring for Cooperative Fishing
 Develop a modern fisheries information system that allows fishermen ready access to their data thus facilitating cooperative fishing arrangements forming under catch share management. \$150,000

Trout Unlimited, Inc.
 Meadow Restoration to Sustain Stream Flows and Native Trout – II
 Evaluate the effectiveness of past and current meadow restoration efforts for native fishes on the Kern Plateau in the Sierra Nevada and Cascade Ranges of California. The project will develop collaborative meadow restoration projects for Eagle Lake rainbow trout. \$100,000

Tuolumne River Preservation Trust
 Trekking the San Joaquin River National Wildlife Refuge
 Teach elementary school children in Stanislaus County about the Tuolumne River, the economic and social benefits it brings to the community, its fish and wildlife value, and how to enjoy it safely. Project will add the San Joaquin River National Wildlife Refuge as an outdoor classroom site for participating students. \$10,000

U. S. Fish and Wildlife Service
 Leafy Spurge Control along the Klamath and Scott Rivers
 Survey and treat leafy spurge along 30 miles of public, private, and tribal lands along the Klamath and Scott Rivers and their major tributaries. Project will treat occurrences using an Integrated Pest Management approach. \$25,000

University of California
 Comprehensive Shasta River Basin Plan for Coho Recovery
 Develop a comprehensive basin plan to improve Shasta Basin coho salmon populations. Project staff will utilize existing information and ongoing monitoring to evaluate the effectiveness of restoration projects. \$160,517

UNITED STATES

USDA Forest Service

Kern Plateau Meadow and Riparian Area Restoration

Implement meadow restoration on selected sites to improve meadow conditions. Project will improve water quality, stream channel morphology, meadow hydrologic function, and aquatic and riparian habitat. \$89,125

Wishtoyo Foundation

Channel Islands Chumash Marine Protected Area Stewardship Education
Deliver Channel Islands Marine Protected Area and stewardship education programs to K–12 youth with Chumash maritime stewardship, marine conservation/ecology and Marine Protected Area education content. \$23,989

Zaia Design

Mobile Operating System Application for the National Wildlife Refuge System
Assist the National Wildlife Refuge System in developing a mobile operating system application for the iPhone, iPad devices. The application will be used to help orient visitors to recreation opportunities and historic sites on selected refuges. \$15,000

COLORADO

Bureau of Land Management

Road Beaver Range Improvement
Remove water gaps for livestock, relocate fencing outside of stream riparian areas, and install water tanks in the uplands of Road Beaver Creek, located southeast of Gunnison, Colorado. Project will result in improved aquatic habitat for Colorado River cutthroat by eliminating livestock access in the stream. \$10,408

Environmental Learning for Kids

Denver Youth Naturally — Climate Change and Citizen Science
Fifteen hundred students will design and lead outdoor classroom experiences at Rocky Mountain Arsenal National Wildlife Refuge and community stewardship projects, building awareness of climate change. \$10,000

Environmental Learning for Kids

Denver Youth Naturally-Climate Change and Citizen Science - II
Expand initial efforts to engage youth in climate change and community stewardship. Project outcomes will include an increased knowledge of climate change and environmental education, an increased number of community members knowledgeable about climatic changes, and citizen science programs designed to engage community leaders who identify Denver Youth Naturally as a facilitator in learning. \$5,000

Montezuma Land Conservancy

Gunnison Sage-Grouse Habitat Protection and Outreach
Acquire 1,380 acres of perpetual conservation easements within critical habitat for Gunnison Sage-grouse and conduct landowner outreach in western Dolores County, Colorado. \$140,000

National Wild Turkey Federation, Inc.

Gunnison Sage-Grouse Habitat Improvement and Enhancement
Improve and enhance critical habitat for the Crawford population of Gunnison Sage-grouse through meadow and grassland restoration. \$199,998

Pisces Molecular, LLC

Resolving the Taxonomic Status of Colorado Cutthroat Trout
Gather specimens from across the range of Colorado's native trout in the Southern Rocky Mountains to determine if differences in DNA can predict phenotype and whether those phenotypes are distinct and recognizable. This project will help guide the decision process for future cutthroat trout recovery and for determining whether these distinct genetic lineages deserve subspecies designation. \$18,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Rio Grande Watershed Conservation & Education Initiative

San Luis Valley Area Wide Noxious Weed Management Program
Initiate a cooperative effort to establish early detection rapid response to contain invasive plant species, integrated control of weeds invading wildlife habitat, and public education on weed wise behavior. Project will result in reduced weed populations and a more weed wise public. \$120,000

Rocky Mountain Bird Observatory

Gunnison Sage-Grouse Conservation on Private Lands in Colorado
Hire a biologist for two years in the Gunnison Natural Resources Conservation Service office who will provide technical assistance and deliver Farm Bill and other habitat enhancement programs for the benefit of Gunnison Sage-grouse. \$200,000

U.S. Forest Service

Elkhead Creek Riparian Fencing
Improve a boreal toad breeding site near Routt National Forest in northwestern Colorado. Project will construct a fence around the boreal toad breeding site and riparian area to eliminate trampling of the site from livestock. \$16,000

Ute Mountain Ute Tribe

Johnson Canyon Riparian Education and Restoration
Conduct restoration and educational activities to address problems associated with accumulated tamarisk biomass in a 10-acre riparian ecosystem along the Mancos River in Montezuma County, Colorado. \$20,000

Western Association of Fish and Wildlife Agencies

Supporting the Bureau of Land Management's National Sage-Grouse Planning Strategy
Work with the western state fish and wildlife agencies to ensure that operational needs for the Bureau of Land Management's National Sage-grouse Planning Strategy are met. \$20,000

CONNECTICUT

Avalonia Land Conservancy, Inc.

Anguilla Brook Fish Passage Restoration
Design simple pool and weir fishway at the Wequetequoque boulder dam at head-of-tide. Project will remove the Rutan dam located a mile upstream to restore access to 13 miles of diadromous fish habitat. \$75,000

City of Norwalk Harbor Management Commission

Norwalk Harbor Interpretive Signage
Prepare and install three wayside signs in prominent locations in Norwalk Harbor providing information on the natural environment of Norwalk and the Long Island Sound. Project will result in 2 x 3 foot signs to educate residents on the ecological relationships between Norwalk Harbor and the greater Norwalk River watershed. \$9,480

City of Norwich Harbor Management Commission

Thames River Interpretive Signage at Norwich Harbor
Prepare and install wayside signs depicting environmental themes concerning the Thames River watershed and Norwich Harbor. Project will design these signs to provide educational benefits in an urban setting. \$9,480

City of Stamford, Connecticut

Mill River Stormwater Retention and Treatment Infrastructure
Improve water quality and restore and protect degraded riparian areas on the lower Rippowam (Mill) River watershed which drains 37.5 square miles from the New York border to Long Island Sound. \$500,000

Clean Up Stonington Harbors, Inc.

Water Quality Monitoring Data Used to Implement Pollution Solutions
Collect water quality information and integrate the information into a water-quality database to identify pollution from multiple sources. Project will highlight areas of concern and implement solutions to the problems. \$24,481

Zoological Society, Inc.

Beardsley Zoo's Trout in the Classroom
Engage students and the public to learn about the interrelationship between Long Island Sound and the lower Pequonnock River through the raising and release of brook and brown trout. Project will result in two signs at the Zoo, e-newsletters, partner websites, and public access cable. \$7,000

Cornell Cooperative Extension Association of Suffolk County

Long Island Sound Eelgrass Restoration
Restore 1.5 acres of historic eelgrass beds at seven sites in New York and Connecticut with the aim of ensuring survival of this important marine habitat in the face of climate change, sea-level rise and other threats. \$100,214

Earthplace — The Nature Discovery Center, Inc.

Environmental Education and Scientific Internship Program
Train and engage 50-60 high school students in the scientific study of water quality. Project will supplement program with full scientific testing on rivers/harbors in a state-certified lab with Quality Assurance Project Plans. \$34,123

Eastern Connecticut Conservation District, Inc.

Poquetanuck Cove Action Plan in Preston and Ledyard
Work with public officials and the community to develop an Intermunicipal Agreement with a goal of adopting a Poquetanuck Cove Action Plan. Project will engage 40 local officials, 50 landowners, 100 citizens and 90 volunteers in workshops, surveys and hands-on events to list the important resources, anticipate the threats to those resources, and develop achievable strategies to address those threats. \$60,000

Eastern Connecticut Resource Conservation & Development Area, Inc.

Stormwater Management Priorities: Roadmap for Rural Towns
Conduct a comprehensive review of the stormwater infrastructure and current management practices in the three towns to develop an enhanced stormwater outlet map and a priority retrofit matrix list linking existing land-uses and sensitive natural resources with infrastructure condition and potential for stormwater retrofits. \$37,926

Farmington River Watershed Association, Inc.

Fish Passage Improvement on the Farmington River
Finalize engineering, bids and permitting with the overall goal of restoring access to ~50 miles of upstream spawning habitat for native fisheries including river herring and shad. This project will set the stage for broader spawning opportunities for diadromous fish. \$60,000

Friends of Outer Island, Inc.

Scoping Out the Birds — A Digital Approach
Introduce birding to student and adult visitors to the Refuge by providing digital camera spotting scopes, supporting equipment, and a birding checklist. Project will expand educational opportunities by adding birding activities. \$5,000

Friends of the Hockanum River Linear Park of Vernon, Inc.

Tankerhoosen Watershed Management - III
Draft Low Impact Development green infrastructure regulations and create a stormwater design manual for incorporation into local land use regulations to detain runoff close to its source within the Tankerhoosen Watershed. \$26,000

Housatonic Valley Association

Low Impact Development in the Lower Housatonic River Valley
Expand Low Impact Development green infrastructure activities in 10 coastal communities to reduce pollution flowing into the Housatonic River and Long Island Sound. \$34,863

Land Trust of Darien, Inc.

Celebration of Our Woods and Streams: Links to Long Island Sound
Hold an educational celebration attracting 500 participants at their 50-acre preserve with a focus on raising awareness of non-point source pollution in Long Island Sound and how residents can solve the problem. Project will emphasize the role of the community in reducing water pollution by creating a 3-mile trail system with seven different habitats represented, a watershed exhibit, habitat story boards, activities for all ages, and a field guide. \$3,000

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites. \$647,861

National Audubon Society, Inc.

Audubon Alliance for Coastal Waterbird Stewardship
Reduce threats to priority coastal waterbird species and their habitats by deploying 50 beach stewards to protect nest sites and reach out to beachgoers and boaters, effectively doubling the number of volunteer stewards currently engaged in coastal bird stewardship activities. Project will primarily target Piping Plover, American Oystercatcher and Least Tern. \$117,708

New Haven Ecology Project, Inc. / Common Ground

Diving Deeper: Children's Sound Programs at Common Ground
Engage 1000 children and 500 families and community members about the Long Island Sound and watershed protection, through direct experience and facilitated activities that will lead them to understand how their own actions and the waterways in their backyards connect directly to Long Island Sound. Project will reach children, both during the school year and over the summer, so they will experience their piece of the Long Island Sound watershed first-hand through hands-on, minds-on exploration of Wintergreen Brook and Lake Wintergreen, the parts of this watershed closest to their own lives and neighborhoods. \$15,024

Penobscot East Resource Center, Inc.

Catch Share New Entry System: Permit Bank and Sector Synergy
Develop a process to allow new entrants into the New England groundfish fishery through a permit network, business planning, and conservation or geographic permit covenants. \$185,000

Sacred Heart University, Inc.

Restoration of a Coastal Shoreline at Stratford Point
Develop a management plan for the restoration of 23 acres of coastal habitat, including 20 acres of grassland, .5 acres of dunes, and 1.4 acres of intertidal marsh at Stratford Point. Project will be used to engage hands-on restoration of neighboring natural areas and help guide future restoration activities. \$54,854

Sea Research Foundation, Inc.

Long Island Sound Curricula Outreach to Connecticut’s Inner Cities

Provide direct, hands-on experiences with the Long Island Sound environment and its inhabitants with the goal of inspiring a cadre of young people to become environmentally responsible citizens who will act to protect and conserve the Sound and its watershed. Project will turn Long Island Sound into a living laboratory for learning, and is a year-long conservation science curriculum based on state and national science standards. \$28,949

Sea Research Foundation, Inc.

Estuary Celebration Weekends

Host National Estuary Day and Long Island Sound Day events over a weekend attracting 2,700 visitors. \$9,911

Sea Research Foundation, Inc.

Estuary Health Program

Host the National Estuary Day and Long Island Sound Day celebration weekends, including beach clean-ups and horseshoe crab walks to increase public awareness about threats facing Long Island Sound. Project will engage 500 participants in the two celebrations at the Aquarium, 150 participants in the coastal cleanup, 50 participants engaged in crab monitoring, and 300 educators attending the educator open house, along with 3,000 visiting students. \$7,166

Solar Youth, Inc.

Solar Youth’s Leaders in Training Program

Create opportunities for 10 urban youth to develop their leadership skills through engagement in environmental exploration and community service. \$10,000

Solar Youth, Inc.

Solar Youth’s Neighborhood Steward Teams Program

Deliver an after-school program engaging 62 youth to investigate the local ecology of their community, identify environmental issues that affect the health of people and the natural environment, and seek solutions through a process of problem-solving and youth led action, then teach what they have learned and accomplished to others through a public education project. \$35,000

SoundWaters, Inc.

SoundWaters Public Engagement Sails on Long Island Sound

Lead 30 hands-on educational sails stopping in 10 ports aboard the schooner SoundWaters and discussing the impacts of floatables (plastic bags, bottles, etc.) and other pollution on the Sound. \$34,486

Southwest Conservation District

Improving Equine Operation Nutrient Management

Deliver a voluntary project designed to assist 15 or more horse farm owners, operators and managers to address water quality challenges at their operations by implementing manure management, other best management practices, and technical and financial assistance. Project will address nutrient loading into Long Island Sound. \$131,250

The Connecticut Agricultural Experiment Station

Lord Cove Coastal Forest and Stream Restoration

Restore 32 acres of coastal forest and a 4,000-foot stream corridor adjacent to Lord Cove on the lower Connecticut River. Project will improve wildlife habitat and reduce erosion by eradicating invasive plants. \$40,091

The Connecticut Fund for the Environment, Inc.

Pequonnock River Apron Fish Passage

Install a step pool fish ladder through an existing concrete erosion apron installed in the Pequonnock River which is impeding upstream fish passage. Project will restore five miles of upstream river passage for migrating and spawning native fish including alewife and blueback herring. \$32,834

The Connecticut Fund for the Environment, Inc.

Wallace Dam Fishway

Install a Denil fishway across Wallace Dam on the Quinnipiac River in Wallingford. Project will open eight miles of breeding habitat for migratory fish that have been blocked for the last 100 years. \$95,700

The Connecticut Fund for the Environment, Inc.

Save the Sound Coastal Cleanup Program

Schedule and coordinate 70 cleanup events along 70 miles of Connecticut shoreline engaging 1,750 volunteers around International Coastal Cleanup and National Estuaries Day. \$10,000

The Connecticut Fund for the Environment, Inc.

Save the Sound Coastal Cleanup Program

Coordinate cleanups year-round on Connecticut’s inland and coastal shores by actively engaging and educating a diverse group of volunteers, holding 50 events on or around International Coastal and National Estuaries Day. Project will include 70 cleanup events cleaning 70 miles of shoreline, using up to 2,700 volunteers, and recruiting 70 volunteer Cleanup Captains to recruit businesses and corporations to form partnerships and solicit sponsorships of our cleanup events. \$10,000

The Connecticut Fund for the Environment, Inc.

Pequonnock River Apron Fish Passage

Install a step pool fish ladder through an existing concrete erosion apron installed in the Pequonnock River which is impeding upstream fish passage. Project will remedy the problem and restore five miles of upstream river passage for migrating and spawning native fish, including alewife and blueback herring. \$59,172

The Maritime Aquarium at Norwalk, Inc.

Creature Encounters

The Maritime Aquarium will continue its live animal series, Creature Encounters, which will address the issue of nonpoint source pollution and its effects on the animals and habitats of Long Island Sound. Project will present live animals as hosts and protagonists to engage children and adults, while educators ask visitors to adopt simple changes in their lives to protect habitat and wildlife, with a goal of engaging 35,000 visitors in pledges to make those changes. \$34,890

The Trust for Public Land

Acquisition of Former Griswold Airport in Madison

Purchase a conservation easement to permanently protect 20.58 acres of the 42-acre former Griswold Airport land, which contains tidal wetlands, grasslands, and coastal forest. \$260,000

Town of Greenwich, Connecticut

Byram River Eel Passage and Volunteer Eel Restoration

Install an eel pass below the first dam on the Byram River and volunteers will collect eels and reintroduce the eels to their native habitat upstream of multiple dams on the Byram River. Project will reintroduce eels to 10 miles of historic habitat and 200 Greenwich High School students will be educated on the importance of eels. \$3,498

Town of Guilford, Connecticut

Long Cove Tidal Marsh Restoration

Restore 60 acres of tidal marsh by increasing the size of the culvert to increase the flow of water, cause the die-off of invasive phragmites plants, and allow for re-establishment of marsh grasses providing habitat to animals and large birds such as ducks, shorebirds, and wading birds. Project will provide opportunities for fish to swim into the marsh environment and renewed flooding of the marsh in some areas will lead to conversion to shallow pools, intertidal flats and ponds. \$49,250

Town of Stratford, Connecticut

Long Beach West Invasive Species Control

Prepare a management plan and implement invasives control at a 35-acre barrier beach in Stratford, Connecticut that includes dunes, tidal wetlands and sand flats. Project will restore critical habitat for Least Tern and Piping Plover. \$56,100

Town of Woodbridge, Connecticut

Pond Lily Dam Removal Planning and Design

Complete the planning and design work needed to remove Pond Lily Dam in the West River, New Haven, CT. Project will expand river herring passage to 1.7 river miles and to 60 acres of spawning habitat for native fish. \$60,000

Tri State Fishing Sector

Simple Communication System for Sector Vessels and Managers

Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers. \$68,500

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast. \$48,977

U.S. Fish and Wildlife Service

Migration and Survival of Connecticut River American Shad

Complete a study that will provide critical management data essential to restoration efforts relating to American adult shad movements, including both up and downstream migrations, and survival at hydropower dams on the mainstem of the Connecticut River from estuary (Old Lyme, Connecticut) to Vernon Dam (Vermont). Project outcomes will be used by management agencies to update current shad plans and identify and address passage issues in order to improve shad populations. \$60,000

University of Connecticut

Habitat Management Planning for 3 LISS Stewardship Areas

Develop habitat management plans for three Long Island Sound Study Stewardship areas to protect the diverse plants and animals that make their home in or near the estuary. \$32,903

University of Connecticut

Riparian Corridors and the Pequonnock River Watershed

Develop and conduct workshops presenting the value of riparian corridors in three Pequonnock River Watershed towns. Project will have a goal of restoring and protecting critical stream and estuarine habitats, water quality, and stream integrity. \$34,999

University of Connecticut

Bioextraction of Nutrients from Long Island Sound

Pilot the use of seaweed to bio extract pollution and then measure reductions in pollution in New York at the mouth of the Bronx River and Connecticut off the coast of Fairfield. \$110,211

University of Connecticut

Curbing Invasion Pathways through Aquatic Invasive Species Awareness

Create and implement a social marketing campaign to educate marine boaters and anglers about aquatic invasives and to change behavior to minimize their potential role in causing new introductions. \$33,123

University of Connecticut

Guide to the Phytoplankton of Long Island Sound

Prepare an online guide showing photos and descriptions of common phytoplankton of Long Island Sound. Project will produce a guide that provides information about harmful algal bloom organisms and descriptions of ecology, importance, and physiology of phytoplankton. \$6,982

University of Connecticut

Online Guide to Responding to Impervious Cover Regulation

Create a multimedia website to provide guidance to local governments responding to water regulatory programs based on impervious surface. Website will have interactive maps, video clips and examples. \$60,000

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first adromous fish catch share in the United States. Project will gather existing information to design a river herring catch share. \$142,700

Valley Council of Governments

Not a Bridge Over Troubled Waters – A Superswale for Derby

Construct a one-half-acre rain garden and bioremedial swale to treat highway, bridge, boat ramp and parking lot runoff at O’Sullivan’s Peninsula on the Housatonic River. Project will develop educational signs and programs about the water quality problems the project is designed to address. \$39,074

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

Wildlife Management Institute

Shrubland Habitat Technical Assistance Program

Partner with the Connecticut Department of Environmental Protection and the Natural Resources Conservation Service to expand capacity to restore 200 acres of early successional habitat. \$199,800

Yale University

Raising Awareness of Rising Sea Levels in Coastal Marshes

Involve 25 high school students and five student interns from urban schools in an interdisciplinary research project investigating marshes along the Connecticut coast of Long Island Sound. Project will include experiments to determine how salt marshes respond to warming, geological reconstructions of past salt marsh accretion, and coastal resilience planning, and students will use resulting knowledge to help create a museum exhibit to educate the public about Connecticut salt marshes and sea level rise. \$35,000

DELAWARE

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region. \$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership – II

Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 hours of training. \$500,000

Defenders of Wildlife

Land Trust Capacity Building
Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes.
\$75,000

Delaware Department of Natural Resources Targeted Watershed Restoration

Work with federal, state, and local partners to reduce nutrients and sediment from urban and rural nonpoint sources in the Delaware portion of the Chesapeake Bay watershed. Project will provide outreach and technical assistance to landowners in targeted sub-watersheds of the Nanticoke, Chester, and Choptank Rivers, restore up to 10 acres of freshwater wetlands, and validate reduction efficiencies for implemented conservation practices.
\$100,000

Farm Pilot Project Coordination, Inc.

Reducing Phosphorus with Thermochemical Conversion
Demonstrate the water quality and economic benefits of manure-to-energy conversion technologies on three farms. This project will demonstrate variations of thermochemical conversion at three different poultry farms in the Chesapeake Bay Watershed.
\$650,000

Manomet, Inc.

American Oystercatcher Recovery – II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

University of New Hampshire

Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

University of Tennessee

Southeast Grassland Birds Initiative – II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands, implementation of management practices that reduce spread of invasive plants, and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

DISTRICT OF COLUMBIA

Anacostia Watershed Society

Rice Rangers
Engage 440 District of Columbia and Maryland youth in meaningful watershed education by empowering them to grow and propagate native wetland species in the tidal marshes of the Anacostia River. Project will propagate 2,200 emergent wetland plants to restore 3,850 square feet of functional wetland habitat.
\$25,000

Anacostia Watershed Society

Watershed Stewards Academy
Lead a partnership of local watershed organizations to increase the number of citizen stewards in the Potomac, Anacostia, and Patuxent River watersheds. Academy graduates will design, implement, and monitor 30–40 conservation and restoration projects.
\$146,060

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative
Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region.
\$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership – II
Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person hours of training.
\$500,000

Community Resources, Inc.

dba DC Greenworks
Capitol Hill Schools Stormwater Management
Design and implement low impact development practices at seven elementary and middle schools in the Capitol Hill community of Washington, D.C. Project will reduce pollution loads to the Anacostia River and educate students about the importance of managing stormwater.
\$225,000

Defenders of Wildlife

Land Trust Capacity Building
Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes.
\$75,000

District of Columbia Department of the Environment

Water Quality Promise of Regenerative Stormwater Conveyance
Install and monitor the efficacy of Regenerative Stormwater Conveyance in an ultra-urban watershed in order to establish this stormwater management technique as a Bay Program Best Management Practice.
\$700,000

District of Columbia Fire and Emergency Medical Services Department

Stormwater, Foam, Energy and Fire: A Rooftop Solution
Transform four fire station roofs, comprising approximately 54,000 square feet, into model stormwater management systems for the District of Columbia Fire and Emergency Medical Services Department.
\$300,000

The Ocean Foundation

Marine Ecosystem Services Partnership Conference
Convene the second meeting of partners for the Marine Ecosystems Services Partnership to assess accomplishments to date and expand base of partners.
\$13,500

University of New Hampshire

Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

FLORIDA

Alabama Forestry Commission

Longleaf Pine Restoration on Alabama State Forests
Restore longleaf pine to a total of 667 acres on four state forests through site preparation, burning, and replanting approximately 363,515 containerized longleaf pine seedlings.
\$197,960

American Bird Conservancy

Beach-Nesting Bird Conservation in the Gulf of Mexico
Build a lasting conservation network of volunteers and conservation organizations to protect vulnerable beach-nesting birds along the Gulf coast.
\$270,000

Avian Research and Conservation Institute, Inc.

Southeastern American Kestrel Strategic Plan and Management
Produce a strategic recovery plan for the Southeastern American Kestrel. Project will prioritize treatment sites, advise and coordinate habitat and nest-box management, measure success, perform and evaluate translocations, and select reintroduction sites.
\$66,015

Bradford Soil and Water Conservation District

North Central Florida Cooperative Species Management Area
Form a Cooperative Invasive Species Management Area in North Central Florida. Project will incorporate 13 counties and invasive plant control will be continued in Bradford County as a model system.
\$20,000

Conservian, Inc.

Restoration of Gulf Coast Shorebirds and Habitats
Restore and protect Gulf coast shorebird populations and coastal habitats impacted by Deepwater Horizon oil spill and clean-up.
\$200,000

Conservian, Inc.

U.S. Gulf Shorebird Assessment and Management Plan
Conduct a Gulf-wide assessment of the conservation status of select, high priority beach-nesting shorebirds and summarize best management practices for conservation of those species through development of a management manual.
\$125,000

Earth Ethics, Inc.

Yellow River Aquatic Preserve Shoreline Restoration
Restore 0.3 miles of oyster reef and enhance shoreline within the Yellow River Aquatic Preserve.
\$397,120

Ecosystem Restoration Support Organization, Inc.

Oyster Restoration in the Pensacola Bay System
Restore 15 acres of oyster reef and essential fish habitat along 2.4 miles of shoreline in the Pensacola Bay system.
\$309,152

Everglades Coalition

Everglades Restoration
Coordinate the work of 53 non-profit entities with state, federal, and local governments to create strategies for restoration work in the Everglades. Project will review Everglades restoration projects from the past three years, which have generated 10,500 jobs.
\$5,000

Florida Fish and Wildlife

Conservation Commission
American Oystercatcher Habitat Restoration Fish and Wildlife Conservation Commission
Determine habitat features biologically important to wintering American Oystercatchers (AMOY). Produce an integrated habitat conservation plan that maximizes resilience and benefit of oyster habitat for the AMOY.
\$47,308

Friends of Florida State Forests

Longleaf Reforestation in Blackwater River State Forest
Plant approximately 1,016,400 longleaf seedlings in the Eglin/Blackwater/Conecuh Significant Landscape Area. This project will result in the restoration of 1,400 acres of clearcut sand, loblolly, and slash pine plantations to longleaf.
\$250,000

Friends of Rookery Bay, Inc.

Implementing the Gulf of Mexico Regional Marine Protected Area Plan – II
Implement three key elements of the Gulf of Mexico Regional Marine Protected Area Plan focusing on managing for climate change, catastrophic event response, and outreach and training.
\$35,000

Friends of the Chassahowitzka National Wildlife Refuge Complex, Inc.

Co-operative Elementary School Eco-System Education Program
Work with local school system science programs to introduce the refuge system and its importance to the future of our wildlife and environment. Students will learn about the importance and benefits of the salt marsh system and what effects climate change has on this system and the refuge system.
\$10,000

Gulf of Mexico Reef Fish Shareholders' Alliance

Comprehensive Reef Fish and Headboat Individual Fishing Quotas within the Gulf
Protect reef fish through implementation of individual fishing quota systems and establish a pilot individual fishing quota program for recreational head boat operators.
\$200,002

International Union for Conservation of Nature and Natural Resources — U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti
Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery – II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

Multiple Recipients

Weak Hook Distribution Program
Reduce accidental bycatch of spawning Atlantic bluefin tuna by providing incentives to Gulf fishermen to replace long-lines with weak hooks.
\$23,000

Museum of Science, Inc. dba Miami Science Museum

Oleta River Tropical Hardwood Hammock Restoration
Restore 1.5 acres of tropical hardwood hammock in Oleta River State Park. Project will engage community volunteers to plant native saplings, improving habitat for federally-listed flora and fauna.
\$24,991

National Audubon Society, Inc.

Lanark Reef Shorebird Protection
Complete land acquisition on Lanark Reef in the Florida Panhandle, an area of critical importance to shorebirds, seabirds, and other species.
\$50,000

National Oceanic & Atmospheric Administration

U.S. Coral Reef Task Force Fall 2011 Meeting
Support the fall 2011 U.S. Coral Reef Task Force meeting in Florida. Funds will support some of the logistical expenses like transportation of members to event sites for the overall meeting.
\$15,000

Nova Southeastern University

Accuracy Assessment and Monitoring of Benthic Habitat in the Florida Keys
Perform an independent accuracy assessment of Florida Keys shallow water benthic habitat map east of Islamorada in the middle-Florida Keys.
\$45,000

Nova Southeastern University

Reef Fish Monitoring from Broward County to Martin County

Train biologists to inventory biological and physical data, for a reef fishery-independent monitoring program. \$18,000

Ocean Conservancy, Inc.

Electronic Fishery Monitoring for Gulf of Mexico Reef Fish

Test electronic monitoring in the Gulf of Mexico fishery as a viable tool for accurately collecting data to ensure adherence to catch limits, including the region's catch-share program. \$200,000

Pensacola Escambia Clean Community Commission, Inc.

Bayview Park Oyster Restoration

Collect oyster shell from partner restaurants and use the shell as substrate to create oyster habitat in Bayou Texar. Project will serve as a living shoreline demonstration site for the community. \$27,150

Reef Environmental Education Foundation

Building Capacity for Management of Invasive Lionfish in the Caribbean

Translate and disseminate a best practices manual and organize and conduct hands-on training workshops for marine protected area/resource managers to address invasive lionfish in the Wider Caribbean. \$37,600

Sea Turtle Conservancy

Predation Control to Maximize Sea Turtle Nesting Success

Reduce predation of sea turtle nests from non-native or human enhanced predation. Project will target 3-4 beaches each year experiencing unsustainable predation on a rotating basis and work to increase hatching success. \$200,015

Sea Turtle Conservancy

Maximizing Florida Sea Turtle Nesting Success Increase sea turtle nesting success on Florida beaches by solving artificial lighting problems that disorient thousands of hatchlings each year. \$556,718

Tampa Baywatch, Inc.

Schultz Nature Preserve Oyster Reef Creation Facilitate a community-based oyster creation project to install 1,850 linear feet (188 tons) of new oyster shell communities on the shoreline of the Schultz Nature Preserve. \$60,350

The Longleaf Alliance, Inc.

Eglin/Conecuh/Blackwater Longleaf Conservation and Partnership Development

Continue the Gulf Coastal Plain Ecosystem Partnership to restore 5,185 acres of longleaf pine and use the partnership as a model to expand to include the Eglin Air Force Base/Blackwater State Forest/Conecuh National Forest Significant Geographic Area as identified by the Range-Wide Conservation Plan for Longleaf Pine. \$196,708

The Longleaf Alliance, Inc.

Longleaf Pine Conservation in the East Gulf Coastal Plain

Integrate landowner outreach, natural resource professional training, and Longleaf Delivery Specialists to conserve longleaf pine in priority areas of Alabama, Mississippi, and Florida. \$189,000

The Nature Conservancy

Apalachicola Longleaf Conservation Initiative Plant 600 acres of longleaf (150,000 trees) on Torreya State Park, provide fire assistance on 10,800 acres, and plant 1,080 pounds of wiregrass seed mix. These activities directly support the Range-Wide Conservation Plan for Longleaf Pine. \$150,000

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico

Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling. \$137,613

University of Florida

Marine Debris Identification and Removal in Biscayne Bay

Develop marine debris database for the south Florida reef tract and implement marine debris recovery and outreach efforts in sensitive and impacted areas of Biscayne Bay, Florida. \$14,775

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share. \$142,700

University of South Florida

Chassahowitzka Estuary Submerged Aquatic Vegetation Conservation Plan

Map occurrence and distribution of four submerged aquatic vegetation seagrass species and cypress in the Chassahowitzka National Wildlife Refuge estuary. Project will produce

bird and animal population data and use geographic information system to assess climate change risk. \$50,000

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

Wildlife Foundation of Florida, Inc.

Mobile Aquarium for Sea Turtle Housing

Acquire tanks, pumps, and other supplies for holding and treating sea turtles impacted by episodic events in Florida's coastal waters. A mobile unit of supplies will be transported as needed to impact sites allowing for increased response capacity, even in remote areas. \$172,883

GEORGIA

Alabama Forestry Commission

Longleaf Pine Restoration on Alabama State Forests

Restore longleaf pine to a total of 667 acres on four state forests through site preparation, burning, and replanting approximately 363,515 containerized longleaf pine seedlings. \$197,960

Avian Research and Conservation Institute, Inc.

Southeastern American Kestrel Strategic Plan and Management

Produce a strategic recovery plan for the Southeastern American Kestrel. Project will prioritize treatment sites, advise and coordinate habitat and nest-box management, measure success, perform and evaluate translocations, and select reintroduction sites. \$66,015

Cherokee National Forest

Southern Appalachian Brook Trout Hatchery

Operate a hatchery to produce Southern Appalachian brook trout in order for the population to recover to stable levels that provide the public with angling opportunities. Project will produce up to 18,000 fingerlings of Southern Appalachian brook trout per year. \$34,000

Georgia Department of Natural Resources

Georgia Longleaf Pine Ecosystem Restoration

Station two new wildlife biologists will in NRCS field offices in priority locations. The biologists will work closely with NRCS staff to promote and implement appropriate beneficial practices. \$220,000

International Union for Conservation of Nature and Natural Resources – U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti

Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts. \$30,000

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance. \$218,952

National Wild Turkey Federation, Inc.

Golden-Winged Warbler Habitat Enhancement

Provide suitable habitat conditions on 500 acres in the Martin Branch area within the Chattahoochee Wildlife Management Area and the Chattahoochee National Forest for the golden-winged warbler, a migratory songbird whose populations have severely declined over much of its range in recent decades. \$30,770

Quality Deer Management Association

Legacy Lands Program

Launch the Legacy Lands Program, a property certification program designed to encourage landowners to meet specified standards for wildlife management and conservation. The program will be formally launched at the Quality Deer Management Association National Convention in Nashville, Tennessee. \$50,000

The Atlanta Botanical Garden, Inc.

Urban Habitat Restoration in Atlanta

Remove invasive species and restore native habitats on 10 acres. Project will be conducted in a public garden, county parks, school yards, and a national park within the metro-Atlanta area. \$38,379

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico

Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling. \$137,613

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share. \$142,700

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

HAWAII

American Bird Conservancy

Saving Hawaii's Imperiled Forest Birds – III

Complete establishment of a new population of the endangered Nihoa Millerbird on Laysan island; help eradicate invasive mammals within the critical habitat of the endangered Palila; and continue restoration of key habitat for the endangered Maui Parrotbill. \$302,920

Friends of Hakalau Forest National Wildlife Refuge

Youth Conservation Education at Hakalau Forest National Wildlife Refuge

Partner with a local environmental education program to promote youth conservation education. Project will implement a long-term climate change project in a citizen science framework by developing and implementing a climate change and phenology education curriculum for local youth using the Hakalau Forest National Wildlife Refuge as an outdoor classroom. \$8,125

Hawaii Department of Land and Natural Resources

Ahihi-Kinaiu Marine Protected Area Management

Employ an Outreach and Education Coordinator to reduce human threats to coral reefs at Ahihi-Kinaiu. Threats to be addressed include illegal harvesting of marine resources and recreational impacts. \$70,404

Jamie Sziklay

Comparisons of Coral Disease Outbreak Risk Product Metrics

Validate a coral disease risk model for the Hawaiian Archipelago. Project will use satellite-derived products to enable Coral Reef Watch to forecast disease occurrences 3-6 months in advance. \$6,300

Malama Kahalawai, Inc.

Mitigation of Upland Impacts on Coral in West Maui Watersheds

Finish a 0.6 mile portion of a 1.8 mile ungulate fence to mitigate disturbance to soils in upland watershed areas. Project will protect downstream priority coral ecosystems from harmful runoff and sedimentation. \$64,167

The Kohala Center

Pelekane Bay Watershed Restoration

Implement biological and physical management practices in the Pelekane Bay Watershed to reduce land-based sediment inputs to the bay. \$68,373

U.S. Fish and Wildlife Service

Bringing Back the Albatross to Midway Atoll

Initiate a multi-year effort to permanently eradicate the invasive plant, golden crownbeard, from Midway Atoll. Midway Atoll is home to the world's largest breeding colonies of Laysan and Black-footed albatrosses and crownbeard prevents those and other seabirds from nesting. \$900,000

University of Hawaii

New Species Descriptions of Deep-Sea Bamboo Corals

Describe and name several new species of bamboo corals currently housed at the University of Hawaii at Manoa and the University of Maine Darling Marine Center. The corals are from the New England Seamounts, the deep sea off the Bahamas Islands, and from seamounts south of Tasmania. \$24,992

IDAHO

Bureau of Land Management

Great Basin Forb and Pollinator Habitat Increase

Increase the availability of native Great Basin forb and pollinator obligate species. Project will diversify extant sagebrush steppe and monotypic stands of non-native post-fire seedlings. \$30,000

Federation of Fly Fishers, Inc.

Identifying Upper Snake River Basin Native Fish Conservation Areas

Identify and prioritize potential Native Fish Conservation Areas in the Upper Snake River basin and its tributaries above Hells Canyon Dam, which lie mostly in Idaho and Wyoming. Project will focus on native fish assemblages, particularly redband trout, bull trout, and Yellowstone cutthroat trout, as well as other native fish, amphibian, and mollusk species. \$45,000

UNITED STATES

Friends of Kootenai National Wildlife Refuge

EagleCam at Kootenai National Wildlife Refuge

Install weatherproof, night vision capable camera for 24 hours per day to capture eagle images during nesting season. Project will enhance opportunities for local community outreach, engage more refuge visitors, and increase levels of active Friends membership. \$4,974

Friends of the Teton River, Inc.

Reconnecting Trail Creek Yellowstone Cutthroat Trout Habitat

Stabilize 1,000 feet of stream banks and increase stream flows through water use agreements on Trail Creek, a headwater tributary to the Teton River in southeast Idaho. Project will result in restored connectivity of Yellowstone cutthroat trout habitat. \$42,350

Idaho Department of Water Resources

Tributary Water Conservation in Idaho - 2012

Work with water right holders in the Upper Salmon River to improve tributary flows for the benefit of fish species. Project will identify and assess new transaction opportunities. \$209,127

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Teton Regional Land Trust, Inc.

Teton River Yellowstone Cutthroat Trout Restoration

Restore 1,175 linear feet of Idaho's Teton River streambank to improve habitat for Yellowstone cutthroat trout. Project will increase protective riparian cover for Yellowstone cutthroat trout, reduce sedimentation into the Teton River, help maintain more optimal temperature conditions for fish, and increase the availability of macro-invertebrate prey species. \$35,000

The Henry's Fork Foundation, Inc.

Chester Dam Fish Ladder and Fish Passage Monitoring

Build a fish ladder at Chester Dam on the Henrys Fork of the Snake River in Idaho to provide upstream fish passage for migratory fishes, including Yellowstone cutthroat trout. Project will reconnect fish passage with about 100 miles of rivers and streams above the dam that contain important spawning and rearing habitat for fishes. \$30,000

Trout Unlimited, Inc.

Blackfoot Watershed Restoration for Yellowstone Cutthroat

Restore fish passage and riparian habitats, augment in-stream flows, and improve water quality in Idaho's Blackfoot River watershed to benefit native Yellowstone cutthroat trout. \$100,000

Trout Unlimited, Inc.

Yellowstone Cutthroat Trout Assessment and Priority Actions

Develop a spatially explicit habitat assessment and identify priority actions to guide conservation and recovery efforts for Yellowstone cutthroat Trout and Snake River fine spotted cutthroat trout in Idaho, Wyoming, and Montana. Over the next five years, the project will track the representation, resilience and redundancy of these two fish populations. \$15,000

Western Association of Fish and Wildlife Agencies

Supporting the Bureau of Land Management's National Sage-Grouse Planning Strategy

Work with the western state fish and wildlife agencies to ensure that operational needs for the Bureau of Land Management's National Sage-grouse Planning Strategy are met. \$20,000

ILLINOIS

Alliance for the Great Lakes

Northeast Illinois Ravine Restoration and Monitoring Program

Work with partners to control invasive species and plant native vegetation to enhance 28 acres of terrestrial and aquatic habitat associated with unique ravine systems along the length of Lake Michigan in northeastern Illinois. \$150,000

City of Chicago

Hegewisch Marsh Restoration

Restore 30 acres in Hegewisch Marsh to establish habitats for native species. Project will engage volunteers, students, and job trainees in restoration and educational training. \$100,000

Field Museum of Natural History

Eggers Grove Marsh and Swale Restoration

Work with partners to enhance 85 acres of marsh, dune, and swale habitat at Eggers Grove along the southern rim of Lake Michigan through prescribed burning, invasive species control, and native seeding. \$56,350

Friends of the Forest Preserves

Chicago Lakeplain Wetland Restoration Partnership

Work with partners to conduct prescribed burns and invasive species control. Project will restore 605 wetland acres and 100 upland acres of lakeplain habitat at nine sites in the Calumet region. \$500,000

Friends of the Forest Preserves

Calumet Student Wetland Restoration Program

Engage 10 high school students from diverse communities to restore 30 acres of wetland in high-quality natural areas in Chicago. Project will provide students with hands-on training, summer employment, and environmental education while meeting community restoration needs. \$24,886

University of Tennessee

Southeast Grassland Birds Initiative - II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

INDIANA

Big Oaks Conservation Society

Establishing a Birding Trail at Big Oaks National Wildlife Refuge

Provide a birder-friendly experience for visitors to the Refuge by creating a bird checklist, self guided trail and guided tours for school groups, beginning and experienced birders. Project will promote high visitor numbers and a higher quality experience. \$4,990

Blue Heron Ministries, Inc.

Michiana Kettle and Kame Stewardship Initiative

Work with partners to establish a roving field crew that will control invasive species to improve at least 641 acres of habitat in portions of southern Michigan and northern Indiana. \$200,000

Friends of the Forest Preserves

Chicago Lakeplain Wetland Restoration Partnership

Work with partners to conduct prescribed burns and invasive species control. Project will restore 605 wetland acres and 100 upland acres of lakeplain habitat at nine sites in the Calumet region. \$500,000

Shirley Heinze Land Trust, Inc.

Boreal Flatwoods Watershed Restoration

Work with partners to control invasive species, plant native vegetation, and remove abandoned home structures to improve habitat quality on 60 acres of boreal flatwoods habitat at the Ambler Flatwoods Nature Preserve in northwestern Indiana. \$34,900

Southern Indiana Cooperative Weed Management Area, Inc.

Southern Indiana Early Detection Rapid Response Process

Extend and enhance Indiana early detection rapid response process through 2012 with expanded awareness programs, web-based support, and additional control options. \$76,000

University of Tennessee

Southeast Grassland Birds Initiative - II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

IOWA

Friends of Port Louisa National Wildlife Refuge

Friends of Port Louisa Start-up

Obtain the resources needed to recruit and engage members. A membership drive will be held using direct mail, events, and an online presence. \$5,000

Resource Conservation and Development for Northeast Iowa, Inc.

Quasqueton Rock Arch Rapids

Implement Rock Arch Rapids on the Wapsipinicon River in Quasqueton, Iowa. Project will connect 25 river miles, increase habitat for native fish, and allow upstream expansion of the federally- listed Higgins' eye pearly mussel. \$24,915

KENTUCKY

Kentucky Department of Fish and Wildlife Resources

Wildlife Biologist in Eastern Kentucky

Fund the salary of a wildlife biologist who will work with farmers and tobacco growers, focusing on Eastern Kentucky. Project will encourage farmers and growers to incorporate farm bill programs. \$88,000

University of Tennessee

Southeast Grassland Birds Initiative - II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests. \$421,999

LOUISIANA

American Bird Conservancy

Beach-Nesting Bird Conservation in the Gulf of Mexico

Build a lasting conservation network of volunteers and conservation organizations to protect vulnerable beach-nesting birds along the Gulf coast. \$270,000

College of William and Mary, Virginia Institute of Marine Science

Shell Budgets as a Tool in Oyster Restoration

Develop shell habitat budgets for the Primary Public Oyster Seed Grounds of the State of Louisiana, a tool for restoration and maintenance of native oyster populations. \$196,576

Conservian, Inc.

Restoration of Gulf Coast Shorebirds and Habitats

Restore and protect Gulf coast shorebird populations and coastal habitats impacted by Deepwater Horizon oil spill and clean-up. \$200,000

Conservian, Inc.

U.S. Gulf Shorebird Assessment and Management Plan

Conduct a Gulf-wide assessment of the conservation status of select, high priority beach-nesting shorebirds and summarize best management practices for conservation of those species through development of a management manual. \$125,000

Delta Waterfowl Foundation

Priority Waterfowl Research

Conduct waterfowl research across the United States. Project will research survival and movements of mottled ducks, develop a Scaup population model, and evaluate factors influencing nest success. \$47,000

Environmental Defense Fund, Inc.

Evaluation and Creation of Alternative Gulf Oyster Habitat

Map and identify natural oyster reefs in Louisiana and restore 15 acres through oyster cultch planting. \$291,800

Friends of City Park

Invasive Species Removal in New Orleans City Park

Remove post-Katrina invasive species throughout City Park's 1,300 acres, including the 60-acre Couturie Urban Forest and 22 miles of shoreline. Project will remove the vast majority of problematic plants that appeared after Hurricane Katrina, replant native species to overtake the Park's ecosystems, and establish policies that provide for spot management of invasives as necessary. \$25,000

Friends of Louisiana Wildlife Refuges, Inc.

Capacity Building Through On-site Education and Outreach

Develop a Friends of Louisiana Wildlife Refuges photography club and interpretive canoe adventure program. Project will increase volunteer capacity and Friends membership by 30 percent. \$2,400

Friends of Rookery Bay, Inc.

Implementing the Gulf of Mexico Regional Marine Protected Area Plan - II

Implement three key elements of the Gulf of Mexico Regional Marine Protected Area Plan focusing on managing for climate change, catastrophic event response, and outreach and training. \$35,000

Friends of the Red River National Wildlife Refuge, Inc.

Red River NWR Visitor Center Nature Store

Set up and operate a nature store at the Red River National Wildlife Refuge Visitor Center. Proceeds from the store will support the Refuge and the Friends group's environmental education outreach programs. \$4,200

Friends of the Red River National Wildlife Refuge, Inc.

Using Bird Study to Foster a Conservation Ethic

Lead students on four trips to the Red River National Wildlife Refuge to learn bird identification techniques, bird behavior, bird ecology, and migration patterns. Project will teach students about the changes that take place each season of the year and how birds respond to those changes. \$4,999

Greater New Orleans Foundation

Louisiana Wetland Assessment: Present and Future

Bring together the U.S. Geological Survey and U.S. Fish and Wildlife Service to develop maps for the Louisiana Wetland Assessment: Present and Future presentation at the DELTAS2010 conference. The maps will be used to outline the current status of fish and wildlife supported by the Mississippi River Delta and prospects and forecasts for the future. \$25,000

UNITED STATES

Gulf of Mexico Reef Fish

Shareholders' Alliance

Comprehensive Reef Fish and Headboat Individual Fishing Quotas within the Gulf
Protect reef fish through implementation of individual fishing quota systems and establish a pilot individual fishing quota program for recreational head boat operators.
\$200,002

International Union for Conservation of Nature and Natural Resources – U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti

Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

Lacombe Heritage Center

Outdoor Classroom at Branch Marsh National Wildlife Refuge

Using Branch Marsh National Wildlife Refuge as an outdoor classroom, develop a variety of educational sites for regular observation of climate-oriented changes in the cycles of marine, reptilian, avian, and mammalian reproduction, growth, and migration. Project will impact 60,000 students.
\$9,878

Louisiana Association of Conservation Districts

Louisiana Deltaic Wetland Habitat Restoration & Enhancement

Use an experimental and innovative approach, floating islands, to restore more than 4,800 acres of wetland habitat in Louisiana's deltaic plain.
\$350,000

Louisiana Department of Wildlife and Fisheries

Reintroduction of Whooping Cranes in Southwest Louisiana

Establish a self-sustaining whooping crane population on and around White Lake Wetlands Conservation Area in southwest Louisiana.
\$100,000

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

The Nature Conservancy

Oyster Restoration in the Gulf of Mexico

Enhance oyster restoration in Louisiana and Alabama by building one mile of new oyster reefs.
\$1,100,000

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico

Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling.
\$137,613

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

MAINE

Atlantic Salmon Federation (U.S.), Inc.

East Branch Penobscot River Habitat Connectivity

Prioritize stream barrier removals and work with large private landowners to implement properly designed road-stream crossing projects in the East Branch Penobscot River watershed.
\$40,000

Blue Ocean Society for Marine Conservation

Derelict Gear Assessment and Clean-up in the Gulf of Maine

Detect and remove marine debris from the waters of Maine and New Hampshire. Project will focus on a major in-water lobster trap clean-up and accumulated debris at the Isles of Shoals and nearby beaches.
\$40,217

Ecotrust

Community-based Fisheries Trust Network
Support the national emergence of effective community fishing organizations, through the development of their quota acquisition strategies, sustainability standards, and business plans for community-based seafood.
\$200,000

Friends of Maine Seabird Islands

Exhibits for Visitor Center at the Maine Coastal Islands National Wildlife Refuge Complex

Engage in partnerships to begin construction of exhibits and educational displays to complete the visitor center. Project will produce materials, such as a portfolio of individual projects to be developed, for outreach targeting local individuals, businesses, and foundations.
\$4,375

Gulf of Maine Lobster Foundation

Maine Derelict Trap Prevention and At-Sea Recovery

Conduct four at-sea derelict trap recovery days involving 20 fishing vessels and captains, targeting submerged lost gear. Project will offer four additional voluntary gear collection opportunities to on-going effort.
\$63,450

Gulf of Maine Research Institute

Otolith Analyses to Classify Alewife Stock Structure

Use otolith metrics to define, quantify, and classify alewife stock structure within and among Maine watersheds. Project will develop a population dynamics-habitat supply model for alewife.
\$136,325

Penobscot East Resource Center, Inc.

Catch Share New Entry System: Permit Bank and Sector Synergy

Develop a process to allow new entrants into the New England groundfish fishery through a permit network, business planning, and conservation or geographic permit covenants.
\$185,000

Sustainable Harvest Sector

Tracking Catch in a New England Groundfish Sector

Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis.
\$30,000

Tri State Fishing Sector

Simple Communication System for Sector Vessels and Managers

Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers.
\$68,500

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast.
\$48,977

U.S. Fish and Wildlife Service – Rachel Carson National Wildlife Refuge

Community and Landscape Connections for New England Cottontail

Assist landowners in restoration of New England cottontail habitat. Project will improve habitat along utility right of ways and roadsides to increase connectivity between cottontail populations.
\$61,118

U.S. Fish and Wildlife Service – Rachel Carson National Wildlife Refuge

Uniting Northern New England to Stop Perennial Pepperweed

Unite invasive plant and New England Cottontail communities to protect New England Cottontail habitat. Project will result in the management of perennial pepperweed in Maine, NH and MA.
\$65,332

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

Wildlife Management Institute

Fast-tracking Farm Bill Funds for New England Cottontail Recovery in Maine

Create a joint position to work exclusively on New England cottontail projects in Maine. Project will result in the enrollment of at least 300 acres in Farm Bill programs to benefit the New England cottontail.
\$104,122

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute

Restoration of New England Cottontail
Protect 325 acres and restore 380 acres of critical New England cottontail habitat. Project will also advance captive rearing and translocation protocols and capacity.
\$322,880

MARYLAND

Anacostia Watershed Society

Rice Rangers

Engage 440 District of Columbia and Maryland youth in meaningful watershed education by empowering them to grow and propagate native wetland species in the tidal marshes of the Anacostia River. Project will propagate 2,200 emergent wetland plants to restore 3,850 square feet of functional wetland habitat.
\$25,000

Anacostia Watershed Society

Watershed Stewards Academy

Lead a partnership of local watershed organizations to increase the number of citizen stewards in the Potomac, Anacostia, and Patuxent River watersheds. Academy graduates will design, implement, and monitor 30–40 conservation and restoration projects.
\$146,060

Baltimore County Department of Environmental Protection and Sustainability

Baltimore County Urban Tree Canopy Campaign

Promote tree planting as an efficient and cost-effective way to manage urban stormwater. Project will educate and motivate citizens to plant trees in private yards and tree-deficient neighborhoods.
\$50,000

Biohabitats, Inc.

Oyster Harbor Natural Drainage Assessment and Planning

Provide assessment and planning services for natural drainage retrofits on private lots and common areas including roadways in the Oyster Harbor community in Anne Arundel County, Maryland.
\$9,950

Chesapeake Bay Foundation, Inc.

Upper Potomac Farmer-to-Farmer Grazing Network Program

Increase the outreach to dairy and beef producers in the Upper Potomac region and provide comprehensive assistance to help these producers transition from traditional confinement operations to Managed Intensive Grazing. Project will reduce nutrient and sediment loads from agricultural cropland and animal operations, focusing on Natural Resources Conservation Service priority locations.
\$200,000

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative

Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region.
\$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership – II

Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person hours of training.
\$500,000

City of Baltimore Department of Public Works

Smart Growth Offset Bank

Develop guidelines for implementing a stormwater offset and banking system that can be used as a template for other urban areas within the Chesapeake Bay area.
\$210,000

Defenders of Wildlife

Land Trust Capacity Building

Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes.
\$75,000

Environmental Defense Fund, Inc.

Alternative Management for Chesapeake Bay Blue Crab Fishery

Support the development of an alternative management program that benefits watermen and results in sustainable harvest levels for the Chesapeake Bay blue crab.
\$100,000

Farm Pilot Project Coordination, Inc.

Reducing Phosphorus with Thermochemical Conversion

Demonstrate the water quality and economic benefits of manure-to-energy conversion technologies on three farms. This project will demonstrate variations of thermochemical conversion at three different poultry farms in the Chesapeake Bay Watershed.
\$650,000

Foundation for Community Partnerships, Inc.

Corsica River Watershed Rain Gardens

Work with the Maryland Department of Natural Resources, Queen Anne's County Master Gardeners, and local property owners to reduce nitrogen and phosphorus loads entering the Corsica River. Project will install 30 rain gardens to manage stormwater runoff and expand wildlife habitat in developed settings.
\$50,000

Frederick County, Maryland

Neighborhood Green
Convert 50 acres of turf into upland and riparian forest and remove 35 acres of invasive species. Technical assistance from forestry partners will be provided to 50 people to convert turf to forest.
\$200,000

Manomet, Inc.

American Oystercatcher Recovery – II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

Maryland Association of Soil Conservation Districts

Maryland Farm Stewardship Certification and Assessment Program
Improve water quality in the Chesapeake Bay watershed by certifying farmers that adhere to the highest standards of nutrient management and conservation best management practices. Project will evaluate 250 farms in priority watersheds to determine their compliance with pollution targets for a total of 400 farms by 2014.
\$335,202

Maryland Department of Agriculture

Maryland Farm Bill Technical Assistance
Work with partners to provide two conservation planners for two years to deliver and accomplish Farm Bill conservation programs and high priority brook trout conservation needs.
\$126,000

Maryland Watermen's Association

Maryland Commercial Waterman-Led Catch Shares Design Effort
Extend and enhance the current efforts between Maryland's commercial fishing industry and its partners to design a catch share program for Maryland's blue crab fishery.
\$100,000

National Aquarium in Baltimore, Inc.

Sea Level Rise-Effects on the Chesapeake Bay
One hundred forty middle and high school students in Baltimore City, Baltimore County, and Kent County, Maryland will study terrapins and plant wetland grasses at Eastern Neck National Wildlife Refuge. The project will teach the students about the impact of climate change and sea level rise in the Chesapeake Bay.
\$10,000

National Aquarium in Baltimore, Inc.

Sea Level Rise — Effects on the Chesapeake Bay Coastline
Lead students from four schools in raising terrapins in the classroom and monitoring wetland grasses they planted at Eastern Neck National Wildlife Refuge. Project will facilitate understanding of the impact of climate change and sea level rise.
\$5,000

Prince George's County, Maryland

Minimizing Nutrients in the Anacostia River Tidal Wetland
Demonstrate the capability of three innovative Stormwater Control Measures to increase the nutrient removal efficiency from a non-tidal offline wetland in the Anacostia watershed.
\$291,000

Sassafras River Association, Inc.

Nutrient and Sediment Reduction in the Sassafras River Watershed
Partner with farmers and homeowners to reduce nutrient and sediment loads in the Sassafras River watershed. Project will construct a 2-acre treatment wetland, plant 2,500 acres of cover crops, perform septic upgrades, and reduce pollution loads by 24,981 pounds of nitrogen, 2,839 pounds of phosphorus, and 44.5 tons of sediment.
\$200,000

Scenic Rivers Land Trust, Inc.

South River Greenway II
Permanently protect 750 acres of land in the South River watershed as part of the ongoing South River Greenway Initiative. The project will engage 350 volunteers in conservation activities, complete nine habitat restoration projects, investigate the conservation potential of 20 target properties, and begin a similar land preservation effort in the West/Rhode River watershed.
\$65,858

Spa Creek Conservancy, Inc.

Rich Morton Lincoln-Mercury Stormwater Retrofit
Partner with Rich Morton Lincoln-Mercury in Annapolis, Maryland to manage polluted stormwater runoff in an ultra-urban environment. Project will capture and treat stormwater from the property using rain gardens, sand filters, and flow-through filtration planters.
\$141,648

The Anne Arundel County Watershed Stewards Academy, Inc.

New Neighborhood Norm: Master Watershed Stewards in Action
Support certified stewards to lead communities in quantifiable pollutant load reduction. Project will certify and support Master Watershed Stewards to create a paradigm shift in behavior and land use.
\$500,000

Town of Forest Heights

Forest Heights Stormwater Management
Implement low impact development practices to improve water quality in the Oxon Creek watershed. Project will conduct community education and outreach campaigns and retrofit existing facilities to retain stormwater on-site using bioretention cells, porous paving, and riparian conservation landscaping.
\$120,000

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities
Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast.
\$48,977

Trout Unlimited, Inc.

Accelerating Land Protection of Priority Brook Trout Streams
Provide transaction grants to land trusts and partnering Trout Unlimited chapters for donated conservation easements on critical brook trout streams.
\$100,000

University of Maryland

Implementing Best Management Practices to Reduce Runoff and Lawn Fertilizer Use
Institutionalize the use of practices that will greatly reduce runoff and lawn fertilizer use. Several disparate stakeholder groups are targeted to alter attitudes about lawn care and appearance.
\$400,000

University of Maryland

Stormwater Capacity Program
Pilot a process to assess and expand the capacity of local governments to finance stormwater activities in a way that maximizes environmental, economic, and social return on investment.
\$400,000

University of New Hampshire

Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

University of Tennessee

Southeast Grassland Birds Initiative – II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

Versar, Inc.

Chesapeake Bay Environmental Center Strategic Plan
Develop a five-year strategic plan for the Chesapeake Bay Environmental Center.
\$9,799

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds – III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

Wings Over America

Little Patuxent Green Building Demonstration and Education
Preserve and protect the Little Patuxent River watershed by demonstrating green building and low impact development practices at the former site of Fort Meade in Laurel, Maryland. Project will partner with the DC Department of Youth Rehabilitation Services to engage inmates in conservation landscaping and building restoration.
\$50,000

MASSACHUSETTS

Blue Ocean Society for Marine Conservation

Derelict Gear Assessment and Clean-up in the Gulf of Maine
Detect and remove marine debris from the waters of Maine and New Hampshire. Project will focus on a major in-water lobster trap clean-up and accumulated debris at the Isles of Shoals and nearby beaches.
\$40,217

Cape Cod Commercial Hook Fishermen's Association, Inc.

A Sustainable Fishing Community Model: Cape Cod Fisheries Trust and Loan Fund
Implement the Cape Cod Fisheries Loan Fund to empower fishermen to invest in their own fishing quotas. Project will also develop a fisheries management data hub, which will be a comprehensive source of models, tools, and data for stakeholders.
\$185,000

Ecotrust

Community-based Fisheries Trust Network
Support the national emergence of effective community fishing organizations, through the development of their quota acquisition strategies, sustainability standards, and business plans for community-based seafood.
\$200,000

Gulf of Maine Research Institute

Otolith Analyses to Classify Alewife Stock Structure
Use otolith metrics to define, quantify, and classify alewife stock structure within and among Maine watersheds. Project will develop a population dynamics-habitat supply model for alewife.
\$136,325

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery – II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

Massachusetts Audubon Society, Inc.

Wetland Invasive Plant Education – Great Marsh II
Work with students and teachers at River Valley Charter School in Newburyport and Sparhawk School in Salisbury, Massachusetts to build upon the existing Salt Marsh Science Project. Project will continue to increase the health of north shore wetlands by reducing the impact of invasive plant species.
\$5,000

Mystic River Watershed Association, Inc.

Mystic River Restoration
Install rain gardens to reduce pollutant loads and increase urban wildlife habitat in the cities of Arlington and Everett, Massachusetts. Project will introduce local leaders to low-impact stormwater solutions that may play a significant role in future municipal efforts to treat runoff.
\$25,000

Penobscot East Resource Center, Inc.

Catch Share New Entry System: Permit Bank and Sector Synergy
Develop a process to allow new entrants into the New England groundfish fishery through a permit network, business planning, and conservation or geographic permit covenants.
\$185,000

Provincetown Center for Coastal Studies

Evaluating the Effects of Satellite Tagging on Humpback Whales
Perform satellite tagging and regular follow-up monitoring on a well-known population of humpback whales in the Gulf of Maine to evaluate tag performance and potential health effects.
\$594,000

Sustainable Harvest Sector

Tracking Catch in a New England Groundfish Sector
Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis.
\$30,000

Tri State Fishing Sector

Simple Communication System for Sector Vessels and Managers
Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers.
\$68,500

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities
Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast.
\$48,977

Trout Unlimited, Inc.

Conserving Salter Brook Trout
Conduct a regional assessment of all Northeastern salter brook trout streams and conduct on-the-ground restoration activities on two Massachusetts streams that support salter brook trout populations.
\$85,000

U.S. Fish and Wildlife Service

Migration and Survival of Connecticut River American Shad
Complete a study that will provide critical management data essential to restoration efforts relating to American adult shad movements, including both up and downstream migrations, and survival at hydropower dams on the mainstem of the Connecticut River from estuary (Old Lyme, Connecticut) to Vernon Dam (Vermont). Project outcomes will be used by management agencies to update current shad plans and identify and address passage issues in order to improve shad populations.
\$60,000

UNITED STATES

U.S. Fish and Wildlife Service – Rachel Carson National Wildlife Refuge Uniting Northern New England to Stop Perennial Pepperweed

Unite invasive plant and New England Cottontail communities to protect New England Cottontail habitat. Project will result in the management of perennial pepperweed in Maine, NH and MA.
\$65,332

University of New Hampshire Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

Wildlife Management Institute
Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute
Recovery of Eastern Shrubland-Dependent Birds - III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

Wildlife Management Institute
Shrubland Habitat Technical Assistance Program
Partner with the Connecticut Department of Environmental Protection and the Natural Resources Conservation Service to expand capacity to restore 200 acres of early successional habitat.
\$199,800

MICHIGAN

Blue Heron Ministries, Inc.
Michiana Kettle and Kame Stewardship Initiative
Work with partners to establish a roving field crew that will control invasive species to improve at least 641 acres of habitat in portions of southern Michigan and northern Indiana.
\$200,000

Conservation Resource Alliance
Boardman River Fish Passage Restoration
Work with partners to restore aquatic connectivity and fish passage to 160 miles of the Boardman River, 20 miles of river habitat, and 253 acres of riparian wetlands.
\$1,000,000

Downriver Community Conference
Coastal Restoration at the Refuge Gateway and Humbug Marsh
Restore habitat at the Refuge Gateway, a former industrial site, and Humbug Marsh, a high-quality wetland. Project will restore 91 acres and 2.5 miles of coastal, wetland and buffer habitat.
\$500,000

Ducks Unlimited, Inc.
Restoring Wetlands and Fish Passage in the Shiawassee Flats
Work with the U.S. Fish and Wildlife Service to install water control structures to restore the quality and aquatic connectivity of 940 contiguous acres of emergent wetlands adjacent to the Shiawassee River at Shiawassee National Wildlife Refuge.
\$1,500,000

Huron Pines Resource Conservation & Development Area Council, Inc.
Stream Enhancement of the Pigeon and Sturgeon Rivers
Work with partners to replace three poorly performing road/stream crossings and install in-stream woody debris to restore 14 miles of fish passage, reduce sediment loading, and improve 10,000 feet of Blue Ribbon Trout stream.
\$112,000

Huron Pines Resource Conservation & Development Area Council, Inc.
Improving Thunder Bay River Road/ Stream Crossings
Replace 10 road/stream crossings in the Thunder Bay River watershed to restore 124 miles of fish passage and reduce sediment loading to the river by 113 tons per year.
\$420,000

Lake Superior State University
Multifaceted Conservation of Great Lakes Piping Plover-II
Work with partners to conduct surveys, monitoring, nest protection, captive rearing and invasive species control to improve reproductive success and nesting habitat for the endangered Great Lakes piping plover.
\$152,227

Michigan Technological University
Salmon Trout River Coaster Brook Trout Restoration
Restore the critical spawning habitat and monitor population responses of the remaining south shore Lake Superior population of coaster brook trout in Salmon Trout River in Marquette County, Michigan. Project will install an instream sediment collector to reduce fine sediments, increase area and quality of spawning habitat, and quantify fine bedload transport.
\$60,000

Muskegon River Watershed Assembly
Cedar Creek Stream Habitat Restoration and Riparian Forestation
Work with partners to stabilize banks and re-establish native tree canopy and understory to improve 7,892 feet of coldwater trout stream and 11 acres of riparian buffer along Cedar Creek.
\$28,400

Stewardship Network
Community Collaboration to Protect Important Wetland Habitat
Work with partners to control invasive species on 148 acres within the River Raisin and Shiawassee River headwaters in southeastern Michigan to improve habitat for many species of conservation concern.
\$124,840

Superior Watershed Partnership
Sustainable and Cooperative Weed Management in the Great Lakes
Provide a collaborative framework for managing invasive plants across ownership boundaries. Project will treat invasive plant infestations to improve habitat and native plant communities.
\$45,000

The Nature Conservancy
Full Scale Invasive Plant Control in Eastern Lake Michigan
Work with partners to restore the quality of coastal dunes and wetlands along the 505-mile shoreline of eastern Lake Michigan through early detection and control of 14 invasive plant species.
\$1,020,432

The Nature Conservancy
Oak Openings Interagency Restoration Team
Work with partners to conduct prescribed burns and invasive species control to restore 400 acres of wetlands and 100 acres of associated uplands on public and private lands within the Lakeplain Oak Openings region of the western Lake Erie basin.
\$869,189

The Regents of the University of Michigan
Eastern Massasauga Habitat Restoration and Public Education
Work with partners to enhance 200 acres of floodplain, fen, and adjacent uplands along Fleming Creek in southeastern Michigan to improve habitat for massasauga and other rare plants and wildlife.
\$74,213

U.S. Fish and Wildlife Service
Status and Distribution of Lake Superior Basin Brook Trout
Examine and summarize brook trout status, distribution, and land use characteristics across the Lake Superior basin of northern Wisconsin and the upper peninsula of Michigan. Project will help direct future conservation actions related to brook trout.
\$45,000

Upper Peninsula Resource Conservation and Development Council
Eradication of Garlic Mustard in Michigan's Upper Peninsula
Work with partners to remove invasive garlic mustard from 350 acres as part of a long-term strategy to eliminate it from Michigan's Upper Peninsula.
\$150,000

Wildlife Management Institute
Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute
Recovery of Eastern Shrubland-Dependent Birds - III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

MINNESOTA

Friends of Rice Lake Refuge, Inc.
Bog and Birding Boardwalk Experience
Construct a 600-foot free-floating boardwalk to provide access to the bog and enhance birding opportunities. Project will increase visitation to the refuge, provide education opportunities, and strengthen associations with local organizations through stewardship efforts.
\$4,836

Friends of Sherburne National Wildlife Refuge, Inc.
Invasive Earthworm Study at Sherburne National Wildlife Refuge
Partner with the Sherburne National Wildlife Refuge, the Great Lakes Worm Watch, and others to add to an earthworm database. Project will provide refuge biologists with new information about invasive earthworm presence, abundance, distribution, and impacts of on refuge lands.
\$9,997

Friends of Tamarac National Wildlife Refuge, Inc.
Getting the Picture of Conservation Issues at Tamarac National Wildlife Refuge - II
Coordinate new activity development with refuge biological management needs through a citizen science program. Project will lead various community members in data collection activities.
\$5,000

Friends of the Detroit Lakes Wetland Management District
Hamden Slough National Wildlife Refuge Ecological Learning Laboratory
Develop an ecological laboratory at Hamden Slough National Wildlife Refuge where students will use active learning to conduct scientific research to better understand wetland and grassland ecology. Project will engage students in collection of data on the refuge and integrating the data into science, technology, engineering, and mathematics lessons.
\$10,000

Minnesota Trout Unlimited
Sucker River Fish Habitat Enhancement
Work with partners to enhance the quality of stream and riparian habitat along 4,500 feet of the Sucker River. Project will install in-stream woody debris and rock veins, control invasive plants, stabilize banks, and restore native vegetation.
\$100,000

Prairie Ecology Bus Center
Phenology Studies of Southwest Minnesota's Refuge Sites
Engage 400 Minnesota 5th graders in phenological studies of local environments and field trips to nearby refuges for hands on studies and awareness building of flora, fauna, and climate. Project will utilize existing phenology based curriculum materials and adapt them for specific site and classroom needs and facilitate eight field trips.
\$10,000

Wildlife Management Institute
Recovery of Eastern Shrubland-Dependent Birds - III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

Wildlife Management Institute
Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

MISSISSIPPI

American Bird Conservancy
Beach-Nesting Bird Conservation in the Gulf of Mexico
Build a lasting conservation network of volunteers and conservation organizations to protect vulnerable beach-nesting birds along the Gulf coast.
\$270,000

Avian Research and Conservation Institute, Inc.
Southeastern American Kestrel Strategic Plan and Management
Produce a strategic recovery plan for the Southeastern American Kestrel. Project will prioritize treatment sites, advise and coordinate habitat and nest-box management, measure success, perform and evaluate translocations, and select reintroduction sites.
\$66,015

Conservian, Inc.
Restoration of Gulf Coast Shorebirds and Habitats
Restore and protect Gulf coast shorebird populations and coastal habitats impacted by Deepwater Horizon oil spill and clean-up.
\$200,000

Conservian, Inc.
U.S. Gulf Shorebird Assessment and Management Plan
Conduct a Gulf-wide assessment of the conservation status of select, high priority beach-nesting shorebirds and summarize best management practices for conservation of those species through development of a management manual.
\$125,000

Friends of Louisiana Wildlife Refuges, Inc.
Capacity Building Through On-site Education and Outreach
Develop a Friends of Louisiana Wildlife Refuges photography club and interpretive canoe adventure program. Project will increase volunteer capacity and Friends membership by 30 percent.
\$2,400

Friends of Noxubee Refuge
Sam Hamilton Scholarship
Contribute \$25,000 to The Friends of Noxubee scholarship fund, in memory of Sam Hamilton.
\$25,000

Friends of Rookery Bay, Inc.
Implementing the Gulf of Mexico Regional Marine Protected Area Plan - II
Implement three key elements of the Gulf of Mexico Regional Marine Protected Area Plan focusing on managing for climate change, catastrophic event response, and outreach and training.
\$35,000

Gulf of Mexico Reef Fish Shareholders' Alliance
Comprehensive Reef Fish and Headboat Individual Fishing Quotas within the Gulf
Protect reef fish through implementation of individual fishing quota systems and establish a pilot individual fishing quota program for recreational head boat operators.
\$200,002

UNITED STATES

International Union for Conservation of Nature and Natural Resources – U.S. Extinction Risk and Climate Change Vulnerability of U.S. Cacti

Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

Land Trust for the Mississippi Coastal Plain Old Fort Bayou Connection

Restore 11.17 acres of coastal wetlands and forested uplands. Project will include the removal of invasive species and the restoration of an existing road bed as a footpath.
\$11,750

Lower Mississippi Valley Joint Venture Yazoo Basin Restoration

Support the development of a detailed digital map of the Potential Natural Vegetation of the Yazoo Basin portion of the Mississippi Alluvial Valley. Project will provide a site-specific guide for reforestation approaches for agricultural lands in the basin.
\$250,000

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery – II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

The Crosby Arboretum Foundation Crosby Arboretum Swamp Forest Educational Exhibit

Create a swamp forest wetland exhibit and environmental education program to serve as an outdoor classroom for area schools and the visiting public.
\$38,870

The Longleaf Alliance, Inc.

Longleaf Pine Conservation in the East Gulf Coastal Plain
Integrate landowner outreach, natural resource professional training, and Longleaf Delivery Specialists to conserve longleaf pine in priority areas of Alabama, Mississippi, and Florida.
\$189,000

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico
Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling.
\$137,613

University of Tennessee

Southeast Grassland Birds Initiative – II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

MISSOURI

Center for Plant Conservation, Inc. Pollinator Information Update on Plant Profiles

Collect information on pollinators from peer reviewed journals, gray literature and unpublished reports. Project will update the Center’s online plant profiles and database.
\$30,000

University of Tennessee

Southeast Grassland Birds Initiative – II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

MONTANA

Bureau of Land Management – **Dillon Field Office**

Madison River Watershed Integrated Weed Management
Continue and expand ongoing treatment project on the Madison River, including aquatic weed education. Project will contain larger and eradicate smaller infestations before they become established.
\$75,000

Center for Aquatic Nuisance Species

Biocontrol Management of Yellowstone River Riparian Weeds
Survey for the presence or absence of biocontrol agents in the riparian areas of the Yellowstone River. Project will result in insects being released as needed to develop sustainable populations to control invasive species.
\$32,500

Clark Fork Coalition

Community Water Marketing Program – X
Identify, implement and monitor water transactions in the Clark Fork basin of Montana.
\$159,417

Ducks Unlimited, Inc.

Protection of Prairie Pothole Habitat in North-central Montana
Protect a 2,158-acre property which includes over 200 acres of pothole wetlands. Property will be protected with a perpetual conservation easement.
\$5,000

Helena School District No. 1

Bison and Beyond
Lead more than 140 students in a study of bison and their management in Montana. Students will learn through hands-on experiences with experts at the National Bison Range, The Confederated Salish and Kootenai Tribes of the Flathead Nation, Montana Fish, Wildlife and Parks, and the Flying D Ranch.
\$10,000

Missoula County Weed District

Upper Clark Fork River Weed Working Group
Improve, restore, and protect the vegetation along the Upper Clark Fork River by managing newly invading noxious weed species, specifically perennial pepperweed. Project will improve riparian habitat and prevent spread further down river.
\$20,000

Montana State University Foundation, Inc.

Restoring Rare Arctic Grayling Habitat
Lead students of the Bozeman School District in assisting with the restoration and monitoring of a creek. Project will expand the Arctic grayling’s habitat.
\$10,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
\$82,700

Rocky Mountain Elk Foundation

Tenderfoot Lands Protection
Secure 8,200 acres of land in the Smith Watershed in the Lewis and Clark National Forest. Project will maintain lands in a natural state, allow for public access, and provide recreational opportunities.
\$54,958

Sanders County, Montana

Eurasian Watermilfoil Control
Implement education, boat inspections and a rapid response network to control the spread of Eurasian watermilfoil in the Lower Clark Fork River in Montana. Project will protect fish, native plants, water uses and water quality, and will reduce the risk of spreading the invasive to other waterways.
\$30,000

Trout Unlimited, Inc.

Yellowstone Cutthroat Trout Assessment and Priority Actions
Develop a spatially explicit habitat assessment and identify priority actions to guide conservation and recovery efforts for Yellowstone cutthroat Trout and Snake River fine spotted cutthroat trout in Idaho, Wyoming, and Montana. Over the next five years, the project will track the representation, resilience and redundancy of these two fish populations.
\$15,000

Trout Unlimited, Inc.

Montana Water Project – X
Develop and complete instream flow water rights transfers in the Columbia Basin portion of Montana. Project will monitor flows in order to assure delivery of water in the protected reach.
\$44,560

USDA Forest Service

Environmental Flow Standards for Native Trout
Develop regional environmental flow standards for rivers and streams in northwest Montana to support the development of site-specific instream flow metrics for bull and westlope cutthroat trout. Project will establish regional environmental flow standards employing the Ecological Limits of Hydrologic Alteration framework to facilitate current and future habitat restoration work in the Upper Clark Fork, Bitterroot, Blackfoot and Clearwater Rivers.
\$35,000

Western Association of Fish and Wildlife Agencies

Supporting the Bureau of Land Management’s National Sage-Grouse Planning Strategy
Work with the western state fish and wildlife agencies to ensure that operational needs for the Bureau of Land Management’s National Sage-grouse Planning Strategy are met.
\$20,000

Yellowstone National Park

Creation of a Westslope Cutthroat Trout Brood in Yellowstone
Develop a wild, self-sustaining, and abundant brood source of westslope cutthroat trout in the Goose Lake chain, located in west-central Yellowstone National Park, to support west-slope cutthroat trout restoration throughout the region and bring public awareness to the

species. Project will remove non-native rainbow trout from the lakes followed by the introduction of westslope cutthroat trout to ensure a healthy population.
\$29,500

NEBRASKA

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
\$82,700

NEVADA

Bureau of Land Management – **Elko Field Office**

Maggie Creek Fish Barrier
Construct a fish barrier to prevent further invasion of nonnative fish and protect Lahontan cutthroat trout in Maggie Creek in Northeastern Nevada. Project will ensure future habitat restoration efforts to promote population recovery or expansion are successful.
\$100,002

Sediment Removal and Long-term Management in Yerington

City of Yerington
Dredge 48,000 tons of excess sediment from the Walker River outside of the City of Yerington to improve flow to Walker Lake.
\$1,216,917

Federation of Fly Fishers, Inc.

Identifying Upper Snake River Basin Native Fish Conservation Areas
Identify and prioritize potential Native Fish Conservation Areas in the Upper Snake River basin and its tributaries above Hells Canyon Dam, which lie mostly in Idaho and Wyoming. Project will focus on native fish assemblages, particularly redband trout, bull trout, and Yellowstone cutthroat trout, as well as other native fish, amphibian, and mollusk species.
\$45,000

Mason Valley Conservation District

Restoration of Retired Farmland in Mason Valley, Nevada
Conduct conservation, stewardship, restoration, rehabilitation, education, and outreach tasks associated with the Walker Basin Restoration Program.
\$352,258

Smith Valley Conservation District

Retired Farmland Revegetation in Smith Valley, Nevada
Revegetate approximately 180 acres of retired farmland to prevent erosion and weed infestation as a result of a Walker Basin Restoration Program water acquisition.
\$180,972

Trout Unlimited, Inc.

Lahontan Cutthroat Trout Establishment and Protection
Establish and protect two Lahontan cutthroat trout meta-populations and conduct comprehensive monitoring in the Willow/Whitehorse watershed.
\$167,213

U.S. Geological Survey

Simulation of the Lower Walker Hydrologic System, Phase 2
Complete the lower Walker River basin model and develop realistic scenarios that will assist development and evaluation of a water-conveyance agreement between NFWF and Walker River Paiute Tribe.
\$470,299

Walker River Irrigation District

Water Leasing Demonstration Program in the Walker River Basin
Administer and manage a three-year water leasing demonstration program in the Walker River Basin to increase Walker Lake inflows and for use in obtaining information regarding the establishment, budget, and scope of a longer-term leasing program.
\$2,051,328

Walker River Paiute Tribe

Conveyance of Water through Walker River Paiute Reservation
Develop criteria and draft agreement for the conveyance of leased and acquired water through the Walker River Paiute Indian Reservation. Project is inclusive of interaction with other entities within the watershed.
\$200,000

NEW HAMPSHIRE

Blue Ocean Society for Marine Conservation

Derelict Gear Assessment and Clean-up in the Gulf of Maine
Detect and remove marine debris from the waters of Maine and New Hampshire. Project will focus on a major in-water lobster trap clean-up and accumulated debris at the Isles of Shoals and nearby beaches.
\$40,217

Gulf of Maine Research Institute

Otolith Analyses to Classify Alewife Stock Structure
Use otolith metrics to define, quantify, and classify alewife stock structure within and among Maine watersheds. Project will develop a population dynamics-habitat supply model for alewife.
\$136,325

UNITED STATES

Penobscot East Resource Center, Inc.

Catch Share New Entry System:
Permit Bank and Sector Synergy

Develop a process to allow new entrants into the New England groundfish fishery through a permit network, business planning, and conservation or geographic permit covenants. \$185,000

Sustainable Harvest Sector

Tracking Catch in a New England Groundfish Sector

Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis. \$30,000

Tri State Fishing Sector

Simple Communication System for Sector Vessels and Managers

Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers. \$68,500

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast. \$48,977

Trout Unlimited, Inc.

Restoring Eastern Brook Trout to the Upper Connecticut River

Restore native eastern brook trout in the Upper Connecticut River and its tributaries in New Hampshire and Vermont. Project will restore instream habitat and open passage on nursery streams. \$55,240

U.S. Fish and Wildlife Service

Migration and Survival of Connecticut River American Shad

Complete a study that will provide critical management data essential to restoration efforts relating to American adult shad movements, including both up and downstream migrations, and survival at hydropower dams on the mainstem of the Connecticut River from estuary (Old Lyme, Connecticut) to Vernon Dam (Vermont). Project outcomes will be used by management agencies to update current shad plans and identify and address passage issues in order to improve shad populations. \$60,000

U.S. Fish and Wildlife Service—

Rachel Carson National Wildlife Refuge
Uniting Northern New England to Stop Perennial Pepperweed

Unite invasive plant and New England Cottontail communities to protect New England Cottontail habitat. Project will result in the management of perennial pepperweed in Maine, New Hampshire, and Massachusetts. \$65,332

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share. \$142,700

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds – III

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$100,000

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

Wildlife Management Institute

Restoration of New England Cottontail

Protect 325 acres and restore 380 acres of critical New England cottontail habitat. Project will also advance captive rearing and translocation protocols and capacity. \$322,880

NEW JERSEY

Branch Brook Park Alliance, Inc.

Planting the Park, Saving the Streams

Engage at least 300 volunteers to restore 2.6 acres of riparian buffer on Branch Brook Park Lake in Newark, New Jersey. Project will remove invasive plants and propagate native species. \$22,165

Conserve Wildlife Foundation of New Jersey, Inc.

Coordinated Statewide NJ American Oystercatcher Conservation

Develop a coordinated statewide conservation program for American oystercatchers. Will include management of human disturbance, predators, monitoring of populations, and enhanced education of public. \$120,000

Friends of Wallkill River National

Wildlife Refuge

Friends of Wallkill River National Wildlife Refuge Community Outreach

Facilitate growth of the refuge by expanding educational programs and broadening community awareness. Project will obtain revenue, increase membership, and foster volunteerism from the community. \$3,382

Friends of Wallkill River National

Wildlife Refuge

Wallkill Optics and Field Guide Project

Promote the use and preservation of Wallkill, Shawangunk, and Cherry Valley National Wildlife Refuges through an optics and field guide loan program as well as an environmental education program. \$2,500

Gulf of Maine Research Institute

Otolith Analyses to Classify Alewife Stock Structure

Use otolith metrics to define, quantify, and classify alewife stock structure within and among Maine watersheds. Project will develop a population dynamics-habitat supply model for alewife. \$136,325

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region

Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites. \$647,861

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance. \$218,952

Sustainable Harvest Sector

Tracking Catch in a New England Groundfish Sector

Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis. \$30,000

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast. \$48,977

Trout Unlimited, Inc.

Restoring Cresskill Brook Native Brook Trout Habitat

Reconnect and restore fragmented native brook trout populations in Cresskill Brook, located in Bergen County, New Jersey, as part of the Eastern Brook Trout Joint Venture. Project will involve riparian plantings, habitat enhancement, and the restoration of upstream brook trout passage. \$50,000

U.S. Fish and Wildlife Service

Removal of Structures from Little Beach Island

Restore 10 acres of wilderness saltmarsh. Project will remove abandoned telephone poles, piers, boardwalks, and structures and restore marsh/maritime forest to pristine condition. \$46,000

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share. \$142,700

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds – III

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$100,000

NEW MEXICO

Carlsbad Soil and Water Conservation District

Eddy County Coordinated Invasive/Noxious Plant Management

Treat 110 acres of African rue in southeastern New Mexico to improve the Aplomado falcon and Lesser Prairie Chicken habitat. Promote public awareness through 2,000 newsletters and 400 brochures. \$35,000

Friends of the Bosque del Apache

National Wildlife Refuge, Inc.

Bosque del Apache National Wildlife Refuge Visitor Center Interactive Display

Install an interactive display in the Refuge Visitor Center for use by staff and volunteers. The display will allow access to maps, live video, bird counts, and other current information. \$5,000

Friends of the Bosque del Apache

National Wildlife Refuge, Inc.

ECOLAB—Every Child Outdoors Learning About Bosque

Develop and implement a 12-week, curriculum-based environmental education program for 40 students focused on ecosystems of the Bosque del Apache National Wildlife Refuge. Project will result in increased awareness and understanding of the diverse ecosystems of the Refuge as well as an appreciation for the role of public lands. \$10,000

Grant Soil & Water Conservation District

Sky Island Region Initiative for Invasive Plant Management

Unite various agencies, private landowners, and others to promote and enhance an integrated invasive plant management program through an early detection and rapid response effort. Project will result in the development of a multi-agency process to carry-out early detection rapid response to new occurrences of state listed noxious weeds within the Sky Island Region. \$140,000

Pheasants Forever, Inc.

Private Lands Wildlife Biologist Partnership for New Mexico

Hire a private lands wildlife biologist to provide landowner technical assistance in the lesser prairie chicken range of New Mexico. Project will also hire a science advisor to provide biological planning tools to conservation partners and to coordinate training in lesser prairie chicken biology, outcome-based evaluations, and landscape conservation. \$296,125

Pisces Molecular, LLC

Resolving the Taxonomic Status of Colorado Cutthroat Trout

Gather specimens from across the range of Colorado's native trout in the Southern Rocky Mountains to determine if differences in DNA can predict phenotype and whether those phenotypes are distinct and recognizable. This project will help guide the decision process for future cutthroat trout recovery and for determining whether these distinct genetic lineages deserve subspecies designation. \$18,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

NEW YORK

Alley Pond Environmental Center, Inc.

Festival of Little Neck Bay and Long Island Sound – IV

Plan and conduct a National Estuaries Day and a Little Neck Bay/Long Island Sound Festival engaging 1,500 participants. Project will feature boat tours about Long Island Sound natural resources, exhibitions, and conservation activities designed to raise awareness about the value of estuaries in communities. \$5,000

American Farmland Trust

Engaging Sweet Corn Farmers to Reduce Nitrogen in Long Island Sound

Promote adoption of controlled release nitrogen fertilizer, an innovative conservation practice which aims to reduce conventional nitrogen fertilizer application rates from 140–150 pounds-per-acre to no more than 95 pounds-per-acre. Project will focus on eight sweet corn operations to demonstrate that it is possible to reduce nitrogen pollution into Long Island Sound from specialty crops, while still maintaining crop yields and economic returns for farmers. \$150,000

American Littoral Society

Coastal Cleanup at Long Island Sound

Coordinate the 2010 International Coastal Cleanup event along 130 miles of beaches on the Long Island Sound involving 2,570 volunteers. Project will use data compiled for 70 sites to develop strategies for combating marine pollution and to educate the public about floatable pollution and prevention. \$6,000

Bronx River Alliance, Inc.

Bronx River Invasives Plant Management

Establish a standard protocol for invasives management maximizing limited resources. Monitor and maintain test plots, establish management areas, and develop a standardized approach. \$50,021

Buffalo Audubon Society, Inc.

Iroquois Observations – III

Lead 200 elementary school students in environmental education and field trips to Iroquois National Wildlife Refuge to learn about migratory and resident waterfowl. Project will teach the students about the global importance of the refuge and provide a hands-on environmental experience. \$5,000

Buffalo Audubon Society, Inc.

Avian Restoration at Joseph Davis State Park
Work to control invasive species and establish native vegetation to restore and enhance 85 acres of critical bird habitat at Joseph Davis State Park along the Upper Niagara River Corridor.
\$197,585

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative
Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region.
\$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership -II
Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person-hours of training.
\$500,000

Citizens Campaign Fund for the Environment, Inc.

Reducing Plastic Pollution in Waterways through Bring Your Own Bag Campaign
Implement a pilot campaign to reduce plastic pollution into waterways by encouraging 500 residents to use reusable bags instead of throw-a-way disposable plastic bags in two communities in the Long Island Sound Watershed. The project will produce a short video PSA, distribute 2,500 brochures in targeted areas, work with local businesses to ensure prompts are displayed in local shops, and encourage residents to pledge to stop using plastic bags.
\$25,000

City of New York Parks and Recreation

Rodman's Neck Coastal Forest Restoration
Restore approximately 65 acres of parkland in Pelham Bay Park, replacing invasive exotic vegetation with native forest.
\$100,000

City Parks Foundation

Coastal Classroom on the Queens Waterfront
Offer hands-on lessons to schools and local residents along the Queens waterfront, introducing concepts of river ecology, water quality, and waterfront restoration and preservation.
\$10,000

City Parks Foundation

Coastal Classroom on the East River
Offer approximately 100 lessons to schools and local residents along the Queens waterfront, introducing concepts of river ecology, water quality, and waterfront restoration and preservation. Project will also host a National Estuaries Day celebration.
\$10,000

Cornell Cooperative Extension Association of Suffolk County

Long Island Sound Eelgrass Restoration
Restore 1.5 acres of historic eelgrass beds at seven sites in New York and Connecticut with the aim of ensuring survival of this important marine habitat in the face of climate change, sea-level rise and other threats.
\$100,214

Cornell Cooperative Extension Association of Suffolk County

Removing Ghost Fishing Gear to Restore the Sound for Long Island Fisheries
Reduce the decline of and restore 25,600 acres of marine habitat for American lobster, blue crab, horseshoe crab and other marine fisheries. Project will remove 180,000 ghost fishing lobster traps and one ton of ropes, buoys and other marine debris, using Long Island lobstermen in Northport, Huntington and Oyster Bay.
\$98,556

Cornell Cooperative Extension Association of Suffolk County

Derelict Lobster Gear Assessment, Removal, and Prevention - II
Expand pilot project's at-sea removal of derelict lobster traps by employing commercial lobstermen and operating out of two new ports. The expanded geography of project will also increase awareness on the issue to the broader commercial fishing community.
\$49,969

Cornell University

Sound Experiences: From Ship-to-Shore - IV
Provide 24 groups of 575 students (grades 4-8), from schools in underserved communities in Suffolk and Nassau County, with direct educational experiences about the Long Island Sound. Project will engage students through field investigations on the beach, in the salt marsh, and aboard a restored oyster sloop.
\$35,000

Cornell University

Bioacoustic Research to Study New Approaches for Detection, Classification and Localization for Marine Mammals
Apply and study sophisticated new approaches in marine mammal detection technology, based on past experiences, to advance efforts to locate and classify marine mammals. Project will demonstrate the improvement of machine learning in accurately tracing marine mammals.
\$285,000

Defenders of Wildlife

Land Trust Capacity Building
Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes.
\$75,000

Friends of the Bay, Inc.

WQM Report for OB/CSH Estuary
Monitoring results will be organized in a report form for dissemination to the public, municipal officials and government agencies, assisting in a better understanding of Long Island Sound dynamics.
\$6,440

Friends of the Bay, Inc.

Mill River-Beekman Creek Restoration
Develop a restoration and stewardship plan for the Mill River sub-watershed from the outflow at Beekman Beach to Glen Cove Road. Project will focus on fish and wildlife habitat, diadromous fish passage, water quality, public access, education, invasive species removal and stormwater control, with the aim of reconnecting and restoring fragmented segments of Mill River and Beekman Creek.
\$40,000

Friends of the Bay, Inc.

Bird and Mammal Checklist for Oyster Bay National Wildlife Refuge
Develop a checklist for bird and mammal species within the Oyster Bay National Wildlife Refuge. Project would increase visitorship by attracting birders and improve Refuge experience.
\$2,500

Friends of the Montezuma Wetlands Complex, Inc.

Montezuma National Wildlife Refuge Habitat Restoration Project
Restore 38 acres of fallow land to forested land, replacing invasive species with native shrubs and trees. Project will increase connectivity for bird migration and breeding, teach volunteers about habitat restoration, and allow citizen scientists to monitor and evaluate progress of restoration.
\$5,000

Friends of Wallkill River National Wildlife Refuge

Wallkill Optics and Field Guide Project
Promote the use and preservation of Wallkill, Shawangunk, and Cherry Valley National Wildlife Refuges through an optics and field guide loan program as well as an environmental education program.
\$2,500

Groundwork Hudson Valley, Inc.

Dealing with the Effects of Climate Change: Invasive Plants
Create an educational partnership between the Green Team and Wallkill Wildlife Refuge to introduce 30 youth to the Refuge System. Project activities will include three trips to Wallkill, lessons about climate change and its connection to invasive plants, and invasive plant projects at Wallkill.
\$9,887

Group for the East End, Inc.

Goldsmith Waterwash Stormwater Remediation and Outreach
Design a retention wetland using native plants to reduce nonpoint source stormwater pollution and restore wildlife habitat into Goldsmith Inlet.
\$30,340

Hofstra University

Adopt-a-Trout: Promoting Community-Based Stewardship
Engage students from 15 schools to raise 230 mature and juvenile brook trout, a native fishery of Long Island, and release tagged fish into Shu Swamp Preserve, their only known spawning ground in Nassau County. Project will monitor the trout life cycle, using telemetry to understand their habitat needs and migration patterns into fresh and brackish water, making the students citizen scientists.
\$34,978

Hutchinson River Restoration Project

Hutchinson River / Thomas Pell Wildlife Refuge Cleanup
Organize, advertise and run a canoe-borne expedition by volunteers to clean up floatable debris from the shore of the Thomas Pell Wildlife Refuge in Pelham Bay Park, New York City.
\$2,884

Incorporated Village of Sea Cliff, New York

Hempstead Harbor Citizen Water Monitoring - V
Continue a water quality monitoring program to collect data at 18 locations and to track 13 different sources of pollution in order to gauge progress and to pinpoint deteriorating water quality trends. The project will be used to monitor water quality at newly opened shellfish beds.
\$40,000

KCI Technologies, Inc.

Carr's Creek Hydrologic and Hydraulic Modeling
Perform hydrologic and hydraulic modeling of the Carr's Creek watershed in Delaware County, New York. Project will partially inform a watershed management plan being developed by the Sidney Center Improvement Group.
\$9,983

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery - II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

National Audubon Society, Inc.

Beach-nesting Bird Stewardship on Eastern Long Island
Address beach-nesting bird monitoring and stewardship needs for remote yet critical breeding sites for the Piping Plover and Least Tern on eastern Long Island.
\$25,833

National Audubon Society, Inc.

Restoration of Forests at Audubon's First Bird Sanctuary
Remove non-native plants and restore a rare 14-acre old growth coastal forest comprised of American Tulip Tree, Oak, Red Maple, Beech, and Hickory trees. Project will use native plantings to restore successional forest, forest edge/meadows, and shaded understory/ woodland floor areas within the sanctuary for birds and other wildlife.
\$34,977

National Audubon Society, Inc./ Audubon New York

Long Island Sound Day
Host Long Island Sound Day at the Theodore Roosevelt Audubon Sanctuary and Center attracting 400 participants and focusing on the threats related to the Sound. Project will also engage 100 volunteers in conservation projects around the Sound.
\$9,995

New York Botanical Garden

New York Botanical Garden Lower Portage Trail Restoration Botanical Garden
Restore the Lower Portage Trail along the Bronx River by treating 180 linear feet of shoreline and upland slope to remove invasive species and then replanting with native species. Project will remove impermeable asphalt pavement and install 1,100 square foot of permeable pavement to detain and reduce the flow of pollution into the river, while improving public access to the site with 1,000 square foot of canoe portage attracting 100 boaters annually.
\$100,000

New York City Department of Environmental Protection

Blackwall and Ruler's Bar Salt Marsh Restoration
Restore 30 acres of salt marsh island in Jamaica Bay using dredged sand to re-establish the historic footprint of two islands (Blackwall and Ruler's Bar) and by planting seeds and plugs of native high and low marsh grasses.
\$114,300

New York City Parks and Recreation Urban Park Rangers

Long Island Sound Urban Waterfront Education Program
Provide 120 education and 60 outdoor recreation programs involving 3,000 students and 1,800 adults in four community service days in Fort Totten and Pelham Bay parks to increase public awareness/appreciation of and access to the Long Island Sound.
\$33,673

New York State Department of Parks, Recreation, and Historic Preservation

Coastal Grasslands Restoration at Caumsett State Park
Remove non-native plants and restore 25 acres of native grassland habitat. The project will provide habitat for breeding and wintering grassland birds, install three interpretive signs at the restoration site, and offer education programs for park visitors.
\$39,466

New York State Department of Parks, Recreation, and Historic Preservation

Engineering Design of Sunken Meadow Creek
Finalize a plan to restore salt marsh and underwater habitat for anadromous and resident fish in Sunken Meadow Creek by reintroducing tidal flow across the current dike to provide access for fish. Project will reconnect approximately 73 acres of vegetated wetland and 38 acres of underwater wetland to daily tidal flushing that will also help improve water quality in Long Island Sound.
\$60,000

Panthera Corporation

Investing in Tiger Conservation
Invest in select tiger landscapes to conserve core populations of wild tigers. Project will achieve meaningful conservation outcomes for wild tiger populations in the face of increasing threats from poaching and related activities.
\$1,000,000

Regional Plan Association, Inc.

Street Swale Infrastructure Initiative
Planning and coordination required to install two bioretention basins that detain and filter 7,700 gallons of polluted stormwater annually flowing into Long Island Sound.
\$59,935

Research Foundation of the City University of New York
 Planning/Design of Storm Water Management Practices at Queensborough Community College
 Assess the feasibility of implementing green infrastructure at parking lots on the campus of Queensborough Community College to improve the quality of Little Neck Bay and the Long Island Sound by reducing storm water flow and improving storm water quality.
 \$34,150

Rocking the Boat, Inc.
 Water Quality Monitoring on the Bronx River
 Engage 32 students in performing weekly water quality tests on the Bronx River. Project will educate youth and give the information to the Bronx River Alliance for analysis and use within a comprehensive database of water quality.
 \$35,000

Rocking the Boat, Inc.
 Great Egret Foraging Science Education
 Train 64 high school students to conduct regular surveys of the wading bird population, particularly herons and egrets, at six different sites along the Bronx River. Project will teach hands-on science methods, using the foraging habits of the birds, and the data collected are used to determine sites for future restoration of habitat for waterbirds in New York City.
 \$20,000

Scuba Sports Club
 Beach and Sound Clean-up at Orchard and Davenport Beaches
 Coordinate four separate cleanup efforts, two on the beaches and two in the waters off Orchard and Davenport Beaches. Project will focus on removing trash from the beach area and marine debris from the ocean.
 \$5,000

Sidney Center Improvement Group, Inc.
 Carr’s Creek Comprehensive Watershed Management
 Develop a plan for restoring and sustaining the Carr’s Creek watershed in Delaware County, New York. Project will produce a comprehensive watershed management plan that includes a financing strategy, priority lands for restoration and protection, and proposed revisions of local codes and ordinances.
 \$92,996

Sustainable Harvest Sector
 Tracking Catch in a New England Groundfish Sector
 Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis.
 \$30,000

The Point Community Development Corporation
 The Point’s South Bronx Community Green Roof
 Convert the main roof of a community center to an extensive green roof and convert a smaller portion of its roof to an intensive green roof to reduce polluted stormwater and function as a demonstration area and outdoor classroom. The green roof will reduce storm-water runoff by 150,475 gallons annually.
 \$69,206

Tioga County Soil and Water Conservation District
 Enhanced Nutrient Management Initiative
 Implement enhanced nutrient management on 40 dairy farms in the New York head-waters of the Susquehanna River. Project will perform precision feed benchmarking and nitrogen testing to determine specific nutrient problems.
 \$200,000

Tioga County Soil and Water Conservation District
 Integrating Nutrient Reduction Tools and Programs in NY
 Demonstrate impacts of nutrient management strategies on farm mass balance. Project will integrate nutrient reduction programs to perform benchmark analysis and adaptive nitrogen tests to and promote nutrient reduction strategies.
 \$700,000

Town of Huntington, New York
 Crab Meadow Watershed Hydrology Study and Stewardship Plan
 Prepare a watershed and stewardship action plan to restore and protect Crab Meadow, comprised of 300 acres of high salt marsh, 30 acres of beach and tidal flat, barrier beach and woodlands. Project will provide habitat for rare bird species including the federally listed Piping Plover, Least Tern and Clapper Rail, and is also a productive area for finfish, shellfish, and crustaceans.
 \$58,000

Town of Mamaroneck
 Town of Mamaroneck Stormwater Quality Control
 Retrofit 50 catch basins to remove or reduce 75 percent of sediment, suspended solids, oil and grease, trash, hydrocarbons, bacteria, nitrogen and other pollutants from storm drains before pollutants enter the Long Island Sound. Project will result in over 12 million gallons of stormwater being treated annually.
 \$63,000

Town of North Hempstead
 Manhasset Bay Boater Pollution Prevention
 Conduct a comprehensive pollution prevention program targeted towards boaters using educational materials and pollution prevention devices.
 \$21,350

Town of Oyster Bay
 Oyster Bay/Cold Spring Harbor Protection Committee Creation
 Create an Oyster Bay/ Cold Spring Harbor Protection Committee consisting of the 18 municipal entities in this 40 square mile watershed to help protect and enhance the water quality of these harbors.
 \$60,000

Town of West Seneca Conservation Commission
 Building Capacity to Conserve Wetlands near the Buffalo River
 Work with partners to restore a 30-acre oxbow wetland on Buffalo Creek and train volunteers to strengthen its capacity to manage its Buffalo River tributary corridors.
 \$60,670

Trout Unlimited, Inc.
 Identifying and Securing Key Diadromous Fish Communities
 Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast.
 \$48,977

U.S. Fish and Wildlife Service
 Eastern Brook Trout Restoration in the Batten Kill Watershed
 Restore half a mile of in-stream habitat and restore access to two miles of habitat in the Batten Kill Watershed between Salem, New York and West Rupert, Vermont. Project will benefit Eastern Brook Trout in White Creek.
 \$30,000

University of Connecticut
 Bioextraction of Nutrients from Long Island Sound
 Pilot the use of seaweed to bio extract pollution and then measure reductions in pollution in New York at the mouth of the Bronx River and Connecticut off the coast of Fairfield.
 \$110,211

University of Connecticut
 Curbing Invasion Pathways through Aquatic Invasive Species Awareness
 Create and implement a social marketing campaign to educate marine boaters and anglers about aquatic invasives and to change behavior to minimize their potential role in causing new introductions.
 \$33,123

University of Connecticut
 Guide to the Phytoplankton of Long Island Sound
 Prepare an online guide showing photos and descriptions of common phytoplankton of Long Island Sound. Project will produce a guide that provides information about harmful algal bloom organisms and descriptions of ecology, importance, and physiology of phytoplankton.
 \$6,982

University of Connecticut
 Online Guide to Responding to Impervious Cover Regulation
 Create a multimedia website to provide guidance to local governments responding to water regulatory programs based on impervious surface. Website will have interactive maps, video clips and examples.
 \$60,000

University of New Hampshire
 Designing a River Herring Catch Share for the East Coast
 Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
 \$142,700

Village of Old Field
 Conscience Bay Stormwater Control & Buffer Enhancement
 Design a suite of green infrastructure practices and enhance upland buffer habitat to reduce polluted stormwater runoff from Old Field Road which currently discharges directly into Conscience Bay and the Long Island Sound.
 \$60,000

Westchester County Department of Planning
 Mamaroneck River Corridor Buffer Restoration
 Develop plans and technical specifications for a segment of the Mamaroneck River corridor at Saxon Woods Park. The plans will document existing conditions and restoration activities.
 \$41,000

Wildlife Management Institute
 Restoration of Eastern Shrubland Birds - IV
 Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
 \$450,000

Wildlife Management Institute
 Recovery of Eastern Shrubland-Dependent Birds - III
 Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
 \$100,000

NORTH CAROLINA
Cherokee National Forest
 Southern Appalachian Brook Trout Hatchery
 Operate a hatchery to produce Southern Appalachian brook trout in order for the population to recover to stable levels that provide the public with angling opportunities. Project will produce up to 18,000 fingerlings of Southern Appalachian brook trout per year.
 \$34,000

Friends of the North Carolina State Museum of Natural Sciences
 Silvering the Roanoke
 Students from 10 schools in the Roanoke River Basin will raise American Shad from egg to releasable fry. Project will teach students about the life cycle of American Shad, and allow them to participate in a measurable conservation project.
 \$5,000

Manomet, Inc.
 American Oystercatcher Recovery - II
 Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
 \$218,952

Tri State Fishing Sector
 Simple Communication System for Sector Vessels and Managers
 Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers.
 \$68,500

University of New Hampshire
 Designing a River Herring Catch Share for the East Coast
 Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
 \$142,700

University of Tennessee
 Southeast Grassland Birds Initiative - II
 Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
 \$421,999

NORTH DAKOTA
Audubon Refuge Partners, Inc.
 Wildlife Education Materials for Refuge Visitors
 Purchase wildlife education and conservation materials to be sold in the Audubon Refuge Prairie Pond Store. Project will bolster influx of visitors to the Refuge, while improving the visitor experience.
 \$5,000

Birding Drives Dakota
 Arrowwood National Wildlife Refuge Mobile Birding and Photography Blinds
 Purchase materials and assist refuge staff and the Youth Conservation Corp with the construction of two wheeled blinds that can be towed to various locations on the refuge. Blinds will be placed on sharp-tailed grouse leks in the spring and be moved to wetland habitats to allow waterfowl and shorebirds viewing in the summer and fall, improving the quality and expand the opportunity to bird on the refuge.
 \$4,794

Delta Waterfowl Foundation
 Priority Waterfowl Research
 Conduct waterfowl research across the United States. Project will research survival and movements of mottled ducks, develop a scaup population model, and evaluate factors influencing nest success.
 \$47,000

Ducks Unlimited, Inc.
 Native Prairie Protection in the Missouri Coteau
 Protect native prairie in the Missouri Coteau via easement. One of the greatest threats to populations of migratory birds in the Great Plains is conversion of native prairie to cropland.
 \$47,209

Pollinator Partnership
 Pollinator Field Guides, Education, and Monitoring Protocols
 Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
 \$82,700

OHIO
Cleveland Museum of Natural History
 Geneva Swamp Forest Restoration
 Restore Lake Plain Swamp Forest habitat. Project will map and remove invasive species, plant native shrubs, and restore ephemeral pools and palustrine sand plain habitat.
 \$85,390

Conservancy for Cuyahoga Valley National Park
 Cuyahoga River Invasive Plants Control and Riparian Restoration
 Work with parters to control invasive species and plant native seed to improve 50 acres of habitat along the Cuyahoga River in northern Ohio.
 \$40,000

UNITED STATES

Lake Metroparks

Lake Metroparks Arcola Creek Estuary Restoration Project

Control invasive species on 22 acres of the Arcola Creek Estuary, 31 acres of upstream wetland habitat, and additional private lands along a 3.5-mile unit within the Arcola Creek watershed in northern Ohio. \$48,653

National Wild Turkey Federation, Inc.

Iron Furnace Cooperative Weed Management Area

Develop an early detection/rapid response program in early successional habitat in the Iron Furnace Cooperative Weed Management Area and provide two landowner right-of-way manager educational workshops. \$50,000

The Nature Conservancy

Oak Openings Interagency Restoration Team

Work with partners to conduct prescribed burns and invasive species control to restore 400 acres of wetlands and 100 acres of associated uplands on public and private lands within the Lakeplain Oak Openings region of the western Lake Erie basin. \$869,189

Wildlife Management Institute

Restoration of Eastern Shrubland Birds - IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds - III

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$100,000

OREGON

Buccaneer Fishing

Reducing Halibut Bycatch through Gear Modifications

Conduct the first systematic evaluation of a halibut bycatch reduction device for the Pacific coast trawl fleet and make recommendations on its applicability to the fleet's fishing operations. \$72,600

Columbia Gorge Ecology Institute

Columbia Gorge Conservation Education Collaborative

Five hundred junior high school students will lead citizen science research on area species of concern, and raise salmon in the classroom to be released in the Klickitat River. The project will engage students in stewardship projects at Conboy Lake National Wildlife Refuge and collect baseline data of amphibian populations for post-wetland restoration. \$10,000

Confederated Tribes of the Umatilla Indian Reservation

Water Rights Accord III

Assist and coordinate with local landowners and water trusts in the purchase or lease of water rights. \$11,288

Deschutes River Conservancy

Deschutes Water Exchange - BPA-X

Restore stream flows throughout the Deschutes River Basin, Oregon, through associated uplands on public and private lands within the Lakeplain Oak Openings region of the western Lake Erie basin. \$249,214

Ecotrust

Community-based Fisheries Trust Network

Support the national emergence of effective community fishing organizations, through the development of their quota acquisition strategies, sustainability standards, and business plans for community-based seafood. \$200,000

Fishermen's Marketing Association, Inc.

Electronic Monitoring to Facilitate Affordable Catch Shares on the Pacific Coast

Test whether video can accurately determine fish species. Success of the west coast groundfish trawl Individual Fishing Quota program depends on finding an affordable monitoring alternative to human observers. \$200,000

Hood River Soil and Water Conservation District

Columbia Gorge Cooperative Weed Management Area Early Detection Rapid Response

Protect habitats on state and federal lands in the Columbia Gorge and build Cooperative Weed Management Area capacity through early detection and rapid response. Project will result in new reporting tools, a 40-site inventory, and public outreach. \$32,330

Institute for Applied Ecology

An Ecoregionally-Based Native Plant Curriculum for Oregon

Develop a native plant curriculum that offers hands-on activities and service learning opportunities for K-12 students. \$55,000

Institute for Applied Ecology

Passionate about Prairies - Restoration Stewardship

Enhance prairie remnants while engaging students and training teachers in restoration activities and citizen science projects on their school grounds and Finley Wildlife Refuge. \$5,000

Klamath Watershed Partnership

Restoring Key Fisheries in the Upper Klamath Basin - II

Further restore habitat for listed suckers and trout, conduct research to help target restoration activities, and assist landowners' transition to water conserving agricultural practices. \$500,000

McKenzie Watershed Alliance

Middle McKenzie River Side Channel Enhancement

Enhance bull trout and Chinook salmon habitat in the McKenzie River. Project will add 250 pieces of wood to seven side channels and four backwater ponds, enhancing a total of three miles and 13 acres of habitat. \$25,000

Oregon Water Resources Department

Catherine Creek Seepage Study

Perform an in-depth seepage analysis on Catherine Creek. The results will provide necessary information on how to protect an additional 10 cubic feet per second in Catherine Creek. \$61,806

Oregon Water Resources Department

Water Transaction Coordination and Monitoring - VII

Assist Oregon qualified local entities with review and coordination on water transactions. \$51,347

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Port Orford Ocean Resource Team

Preparing for Catch Shares Management in Port Orford, Oregon

Prepare the Port Orford, Oregon fishing community for catch shares management by facilitating the design and creation of a Community Fishing Association to enable the community to access quota, providing for resilient opportunity and economic stability. \$75,000

The Freshwater Trust

Flow Restoration in the Umatilla Basin - III

Implement voluntary, cooperative, and market-based instream flow transactions in the Umatilla and Upper Grande Ronde watersheds in Oregon. \$149,266

The Freshwater Trust

Innovative Transactions to Restore Flows - IX

Implement voluntary, cooperative, and market-based instream flow transactions throughout the Columbia River Basin in Oregon. \$190,051

Tri-County Cooperative Weed Management Area

Hells Canyon Weed Management

Inventory, treat, and monitor noxious weeds in Hells Canyon. Project will target species including rush skeletonweed, spotted knapweed, yellow iris, and Himalayan blackberry. \$40,000

Trout Unlimited, Inc.

Oregon Coast Native Salmonid Passage Improvements

Utilize a private timber and federal land partnership to improve the habitat and fish passage of native salmonids in three small to mid-scale coastal watersheds on the Oregon North Coast. \$70,000

Trout Unlimited, Inc.

Lahontan Cutthroat Trout Establishment and Protection

Establish and protect two Lahontan cutthroat trout meta-populations and conduct comprehensive monitoring in the Willow/Whitehorse watershed. \$167,213

USDA-Forest Service—

Wallowa-Whitman National Forest

South Fork Catherine Creek Floodplain Restoration

Restore 4.3 miles of floodplain along South Fork Catherine Creek, a tributary to the Grande Ronde River in Northeastern Oregon. Project will complete the floodplain restoration project utilizing overflow channel construction, drift fence construction, road re-contouring, strategic wood placement, and riparian planting. \$12,500

Western Rivers Conservancy

West Fork Indian Creek Protection

Acquire a 478-acre land purchase in Siuslaw River basin to protect an Oregon coast coho stream in Lane County, OR. This project will improve connectivity along three miles of critical coho habitat. \$80,000

PENNSYLVANIA

Adams County Conservation District

Adams County Streamside Property Evaluations

Provide technical monitoring assistance to 150 streamside landowners in Adams County, Pennsylvania. Project will evaluate impaired watersheds using GIS, aerial photos, and in-field assessments and develop 75 plans for reducing nutrient and sediment export. \$39,420

Alliance for the Chesapeake Bay, Inc.

Brightbill Park Stream Restoration

Stabilize and restore 640 feet of eroded stream channel on an unnamed tributary of Paxton Creek in Harrisburg, Pennsylvania. Project will partner with local organizations to educate Brightbill Park visitors about watershed ecology. \$150,000

American Rivers, Inc.

Yellow Breeches Creek Fish Passage Restoration

Restore fish passage at the Rosegarden Dam on Yellow Breeches Creek in Cumberland County, Pennsylvania. Project will reconnect and restore approximately 5,000 feet of degraded riverine habitat. \$172,000

Center for Watershed Protection, Inc.

Lancaster County Stormwater Retrofits

Conduct a stormwater retrofit assessment in Lancaster County, Pennsylvania. Project will provide training to local professionals and design two retrofits for implementation. \$100,000

Chesapeake Bay Foundation, Inc.

Upper Potomac Farmer-to-Farmer Grazing Network Program

Increase the outreach to dairy and beef producers in the Upper Potomac region and provide comprehensive assistance to help these producers transition from traditional confinement operations to Managed Intensive Grazing. Project will reduce nutrient and sediment loads from agricultural cropland and animal operations, focusing on Natural Resources Conservation Service priority locations. \$200,000

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative

Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region. \$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership - II

Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person hours of training. \$500,000

City of Lancaster

Institutionalizing Green Infrastructure in Lancaster City

Institutionalize green infrastructure by revising ordinances and developing a dedicated, sustainable funding stream through the creation of the first stormwater utility in Pennsylvania's portion of the Chesapeake Bay watershed. \$200,000

Ducks Unlimited, Inc.

Southern Lake Erie Wetland Restoration

Conduct prescribed burns and control invasive species to restore and enhance 392 acres of wetland and upland habitat at four locations within the Lake Erie watershed of Pennsylvania. \$632,603

Farm Pilot Project Coordination, Inc.

Reducing Phosphorus with Thermochemical Conversion

Demonstrate the water quality and economic benefits of manure-to-energy conversion technologies on three farms. This project will demonstrate variations of thermochemical conversion at three different poultry farms in the Chesapeake Bay Watershed. \$650,000

Fledging Birders Institute, Inc.

Focus on Diversity:

Changing the Face of American Birding

Fund a conference for naturalists, refuge staff, and other stakeholders in the birding and conservation community to address and improve the participation of diverse audiences in birding. \$2,500

Foundation for Pennsylvania Watersheds

Insight Tool for Chesapeake Bay Funders Network

Partner with NFWF to engage Rhiza Labs of Pittsburgh, Pennsylvania for the purpose of deploying a custom-branded Rhiza Insight website for the Chesapeake Bay Funders Network. The work performed by Rhiza Labs will include website design and user training. \$200,000

Friends of the Heinz Refuge at Tinicum, Inc.
Kindergarten Pollinator Interpretive Garden
Sixty kindergarten through 6th-grade students will create an interpretive landscape for pollinators on a half-acre plot at the Heinz National Wildlife Refuge. The project will include eight refuge field trips during which students will work on the garden according to Master Gardener plans, and will incorporate Project Budburst.
\$9,908

Friends of the Heinz Refuge at Tinicum, Inc.
Widener Partnership Charter School
Outdoor Classroom
Create a schoolyard habitat for students to grow and study plants, compost, and donate food grown to charities. Students will work with Project Budburst and conduct service learning projects at the John Heinz National Wildlife Refuge at Tinicum.
\$9,988

Friends of the Pittsburgh Urban Forest
South Side Trail Tree Planting and Stewardship Campaign
Improve the size, structure, and condition of the riparian zone along the South Side Riverfront Trail in Pittsburgh, Pennsylvania. Project will partner with Friends of the Riverfront to lead a tree planting and stewardship campaign.
\$12,610

Friends of Wallkill River National Wildlife Refuge
Wallkill Optics and Field Guide Project
Promote the use and preservation of Wallkill, Shawangunk, and Cherry Valley National Wildlife Refuges through an optics and field guide loan program as well as an environmental education program.
\$2,500

Indiana University of Pennsylvania Research Institute
Implementing NRCS Practices to Benefit the Golden-winged Warbler
Prepare/create early successional habitat on private lands suitable for breeding Golden-winged Warblers. Project will meet objectives by implementing existing Natural Resources Conservation Service conservation practices.
\$191,381

Lancaster County Conservancy
The Little Conestoga Partnership:
A Community Approach
Offer Pennsylvania townships and landowners innovative approaches to achieve reductions in stormwater pollution. Project will create a model for using a watershed approach to stormwater in Pennsylvania to achieve local and Chesapeake Bay water quality goals.
\$400,000

Lancaster Farmland Trust
Streambank Fencing on Amish Farms in Lancaster County
Implement and evaluate streambank fencing on seven preserved Amish farms in the Mill Creek watershed in Lancaster County, Pennsylvania. Project will identify barriers to implementation of best management practices on Amish farms and install 25,200 linear feet of streambank fencing, 10 livestock crossings, and alternative watering systems as needed.
\$100,000

Natural Lands Trust, Inc.
Protecting a Bog Turtle Site in Eastern Pennsylvania
Acquire the critical Green Hills site and create a management plan. Project will permanently protect the site, which supports over 40 bog turtles and is threatened by large-scale development.
\$48,000

Partnership for the Delaware Estuary, Inc.
Schuylkill Action Student Riparian Buffer Program
Work with six local schools to restore streamside areas on school campuses. Project will involve the Schuylkill Action Students Program, a buffer project for schools in the Schuylkill basin.
\$26,173

Pennsylvania State University
Watersheds Nutrient Management
Target reductions of sediment, nitrogen and phosphorus loading, and ammonia emissions from animal operations in the Upper Kishacoquillas Creek and the West Branch, Little Conestoga Creek watersheds.
\$700,000

Trout Unlimited, Inc.
Accelerating Land Protection of Priority Brook Trout Streams
Provide transaction grants to land trusts and partnering Trout Unlimited chapters for donated conservation easements on critical brook trout streams.
\$100,000

Trout Unlimited, Inc.
Brook Trout Recovery Through Abandoned Mine Drainage Abatement
Continue restoration of Kettle Creek's abandoned mine drainage-impaired brook trout streams that includes three abandoned mine drainage abatement projects, reclamation funding/implementation strategy, monitoring, and education/outreach.
\$303,052

University of Maryland
Implementing Best Management Practices to Reduce Runoff and Lawn Fertilizer Use
Institutionalize the use of practices that will greatly reduce runoff and lawn fertilizer use.

Several disparate stakeholder groups are targeted to alter attitudes about lawn care and appearance.
\$400,000

University of New Hampshire
Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

Western Pennsylvania Conservancy
Protecting Golden-winged Warbler Habitat in Pennsylvania
Promote and facilitate protection of Golden-winged Warbler breeding habitat in western Pennsylvania through conservation easements that allow for implementation of sustainable best management practices.
\$53,650

Western Pennsylvania Conservancy
Securing the Eastern Brook Trout Population of Kettle Creek
Protect 1,000 acres of key private lands in the Kettle Creek watershed through conservation easements and fee acquisitions. Project will connect 75 priority landowners with land conservation options.
\$40,000

Western Pennsylvania Conservancy
Addressing Agricultural Impacts in Kishacoquillas Creek
Work with state and local partners to reduce nutrient and sediment loads in the Kishacoquillas Creek watershed in Mifflin County, Pennsylvania. Project will implement agricultural best management practices, establish riparian buffers, install streambank stabilization devices, and monitor water quality response to conservation practices.
\$50,000

Wildlife Management Institute
Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

PUERTO RICO
CORALations, Inc.
Educational Products in Support of Culebra's No Take Marine Protected Area in Puerto Rico
Update interpretive signs along the park with new results from ongoing research inside the marine protected area and results from management actions.
\$10,140

International Union for Conservation of Nature and Natural Resources - U.S.
Extinction Risk and Climate Change Vulnerability of U.S. Cacti
Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

University of Puerto Rico - Mayaguez
Sedimentation at Reefs Adjacent to the Guanica Bay Watershed
Determine the composition and accumulation rates of terrigenous materials reaching reefs adjacent to Guanica Bay, resulting in an important baseline assessment of sediment stress.
\$41,999

University of Puerto Rico - Mayaguez
Improved Reserve Management through Community Participation
Improve marine reserve management by engaging community in a newly incorporated local non-governmental organization. Project will facilitate training for a volunteer ranger program.
\$18,641

RHODE ISLAND

Gulf of Maine Research Institute
Otolith Analyses to Classify Alewife Stock Structure
Use otolith metrics to define, quantify, and classify alewife stock structure within and among Maine watersheds. Project will develop a population dynamics-habitat supply model for alewife.
\$136,325

Manomet, Inc.
Conservation of Shorebirds in the Gulf Region
Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.
American Oystercatcher Recovery - II
Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

Penobscot East Resource Center, Inc.
Catch Share New Entry System:
Permit Bank and Sector Synergy
Develop a process to allow new entrants into the New England groundfish fishery through a permit network, business planning, and conservation or geographic permit covenants.
\$185,000

Rhode Island Natural History Survey
Forest Health Works Student Corps
Mile-a-Minute Initiative
Eradicate mile-a-minute vine at all known sites in Rhode Island using a previously developed student conservation corps model. Project will utilize an existing state-private partnership.
\$27,366

Rhode Island Party and Charter Boat Association
Rhode Island Party and Charter Boat Association Pilot Sector
Design and implement the first charter and party boat catch share program in the United States.
\$86,200

Save The Bay, Inc.
Climate Adaptations: Marine Science for Newport Schools
Implement a marine science program for elementary schools in Newport, Rhode Island consisting of in-class lessons and field experiences at Sachuest Point National Wildlife Refuge. Project will result in three curriculum-based science classes focusing on the effects of climate change on coastal communities for one grade level throughout all Newport elementary schools, two field experiences, and a student-led demonstration planting of native grasses at the Refuge.
\$10,000

Sustainable Harvest Sector
Tracking Catch in a New England Groundfish Sector
Develop and implement a harvest and quota trading system in the New England groundfish fishery for fishing year 2011. The program will be web-based, allowing quota holders and captains to view catch and trade data on a near real-time basis.
\$30,000

The University of Mississippi
Bycatch Reduction Device Testing in the Gulf of Mexico
Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling.
\$137,613

Tri State Fishing Sector
Simple Communication System for Sector Vessels and Managers
Develop software with user-friendly interface for vessel operators to enter all information required by various departments within the National Marine Fisheries Service and by sector managers.
\$68,500

Trout Unlimited, Inc.
Identifying and Securing Key Diadromous Fish Communities
Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast.
\$48,977

University of New Hampshire
Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

Wildlife Management Institute
Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute
Shrubland Habitat Technical Assistance Program
Partner with the Connecticut Department of Environmental Protection and the Natural Resources Conservation Service to expand capacity to restore 200 acres of early successional habitat.
\$199,800

SOUTH DAKOTA

Pollinator Partnership
Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
\$82,700

Quality Deer Management Association
Reproductive Ecology of Male White-tailed Deer
Evaluate hypotheses regarding the effects of mature males on the timing and degree of reproductive effort of young males. Results will address populations with biased sex and age ratios.
\$21,200

SOUTH CAROLINA

Cherokee National Forest
Southern Appalachian Brook Trout Hatchery
Operate a hatchery to produce Southern Appalachian brook trout in order for the population to recover to stable levels that provide the public with angling opportunities. Project will produce up to 18,000 fingerlings of Southern Appalachian brook trout per year.
\$34,000

Coastal Carolina University

Dream a Dream: Environmental Education and Stewardship

One hundred elementary school children will participate in an after school program to focus on climate change, pollution, and the impact of development on biodiversity and ecosystems relevant to the Coastal Carolina region. Project will result in the development of an environmental education curriculum that combines in-class learning and outdoor educational experiences.
\$10,000

Coastal Carolina University

Dream a Dream: Environmental Education and Stewardship – II

Promote environmental awareness and stewardship among disadvantaged and minority youth in South Carolina by incorporating traditional education, field experiences, and citizen science. Project will foster an understanding of global issues and their relationship to our region, develop a community-based curriculum, and engage youth in a stewardship project to serve as a living laboratory.
\$5,000

International Union for Conservation of Nature and Natural Resources – U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti
Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

SEWEE Association, Inc.

Waccamaw Earth Stewards Educational Program

Involve 1,150 kindergarten through 12th-grade students in a water quality testing project to gauge the impacts of climate change on freshwater marsh habitats at the Waccamaw National Wildlife Refuge. Project will incorporate a multi-week curriculum, one-day nature studies, and a hands-on project to introduce the children and their families to the refuge and conservation issues.
\$10,000

SEWEE Association, Inc.

Waccamaw Earth Stewards Educational Program – II

Continue student water quality project that monitors salt water intrusion at Waccamaw National Wildlife Refuge. Project will expand education programs including a multi-week curriculum on freshwater wetlands with four elementary schools and a one-day nature study for under-served students.
\$5,000

South Carolina Department of Natural Resources

Oyster Habitat Restoration in the Cape Romain National Wildlife Refuge

Implement habitat restoration of the Eastern oyster in Cape Romain National Wildlife Refuge through a community-based restoration program.
\$30,658

The University of Mississippi

Bycatch Reduction Device Testing in the Gulf of Mexico

Evaluate, modify and further refine bycatch reduction devices developed for reducing the catch of unwanted fish during bottom trawling.
\$137,613

University of New Hampshire

Designing a River Herring Catch Share for the East Coast

Develop a conceptual model for the first anomalous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

TENNESSEE

Cherokee National Forest

Southern Appalachian Brook Trout Hatchery

Operate a hatchery to produce Southern Appalachian brook trout in order for the population to recover to stable levels that provide the public with angling opportunities. Project will produce up to 18,000 fingerlings of Southern Appalachian brook trout per year.
\$34,000

Hull-York Lakeland RC&D

Strategic Plan to Address Cogongrass in Tennessee

Implement phase two of the Strategic Plan for the Tennessee Invasive Plant Species Steering Committee. Project will provide educational workshops, and treatment of potential Cogongrass sitings.
\$5,400

Quality Deer Management Association

Effects of Seasonality of Fire in Mixed Upland Hardwoods

Determine the long-term and seasonal effects of prescribed fire on white-tailed deer habitat in mixed hardwood forests in eastern Tennessee.
\$26,000

Shelby Farms Park Conservancy

Shelby Farms Beaver Lake Watershed Restoration

Reduce polluted runoff from the Shelby Farms horse stable and pastures by restoring the wetland environment near Beaver Lake in Memphis, Tennessee.
\$40,000

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

USDA-Forest Service –

Cherokee National Forest

Shady Valley Southern Bog Turtle Habitat Restoration

Restore four acres of Southern bog turtle habitat and inventory/monitor populations in the Cherokee National Forest Shady Valley, Tennessee. Project will restore bog habitat for bog turtle recolonization.
\$33,580

Texas

American Bird Conservancy

Beach-Nesting Bird Conservation in the Gulf of Mexico

Build a lasting conservation network of volunteers and conservation organizations to protect vulnerable beach-nesting birds along the Gulf coast.
\$270,000

Conservian, Inc.

U.S. Gulf Shorebird Assessment and Management Plan

Conduct a Gulf-wide assessment of the conservation status of select, high priority beach-nesting shorebirds and summarize best management practices for conservation of those species through development of a management manual.
\$125,000

Friends of Anahuac Refuge

Habitat Restoration on Anahuac National Wildlife Refuge

Restore 12 acres of habitat destroyed by Hurricane Ike. Project accomplishments will include planting 400 trees, shrubs, and vines to provide shelter, food, and nesting sites for migratory and resident birds.
\$4,444

Friends of Attwater Prairie-Chicken Refuge

Establishing the Friends of Attwater Prairie-Chicken Refuge

Identify and develop activities to enhance habitat for the Attwater's prairie-chicken and other wildlife, and provide conservation education to the local community about the endangered prairie-chicken and the imperiled coastal prairie ecosystem. Project will enhance and promote the Attwater Prairie Chicken National Wildlife Refuge's goal of recovering the prairie-chicken and restoring native Texas coastal prairie.
\$5,000

Friends of Balcones Canyonlands National Wildlife Refuge

Saving the Native Texas Warbler: Building Capacity

Educate and train several board of directors, members, and volunteers to develop partnerships, to include direct mail, email, and phone calls, personalized to each member. Project will create an ongoing method for sustaining and increasing low cost and personalized partnership outreach, and train directors in basic capacity building principles.
\$5,000

Friends of Brazoria Wildlife Refuges

Brazoria National Wildlife Refuge Birding Initiative

Improve, support, and increase public birding at Brazoria National Wildlife Refuge through birding facilities, updated resources, events, and publicity.
\$5,000

Friends of Rookery Bay, Inc.

Implementing the Gulf of Mexico Regional Marine Protected Area Plan – II

Implement three key elements of the Gulf of Mexico Regional Marine Protected Area Plan focusing on managing for climate change, catastrophic event response, and outreach and training.
\$35,000

Gulf Coast Bird Observatory

American Oystercatcher Stewardship in Texas – II

Gain an understanding of where sub-adult oystercatchers go between fledging and breeding at three years of age and to understand how they are using the coast during this time.
\$24,094

Gulf of Mexico Reef Fish Shareholders' Alliance

Comprehensive Reef Fish and Headboat Individual Fishing Quotas within the Gulf

Protect reef fish through implementation of individual fishing quota systems and establish a pilot an individual fishing quota program for recreational head boat operators.
\$200,002

John Bunker Sands Wetlands Center

Researching Delta Waterfowl

Research Delta waterfowl. The John Bunker Sands Wetland Center facility provides opportunities for research, education, wildlife observation, and community gatherings.
\$5,000

Manomet, Inc.

Conservation of Shorebirds in the Gulf Region

Restore and protect Gulf coast shorebird populations and habitats along the Atlantic coast and implement protective measures on American Oystercatcher and Piping Plover nesting sites.
\$647,861

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance.
\$218,952

National Park Service

Kemp's Ridley Sea Turtle Conservation – X

Conduct conservation research and environmental education efforts to help restore and enhance a nesting population of endangered Kemp's ridley sea turtles in Texas.
\$100,000

Ocean Conservancy, Inc.

Electronic Fishery Monitoring for Gulf of Mexico Reef Fish

Test electronic monitoring in the Gulf of Mexico fishery as a viable tool for accurately collecting data to ensure adherence to catch limits, including the region's catch-share program.
\$200,000

Texas Parks and Wildlife Department

Guadalupe Bass Restoration Initiative

Restore Guadalupe bass populations by addressing factors leading to their decline, including flow alteration, loss of watershed connectivity, habitat degradation, and hybridization.
\$300,000

Texas Parks and Wildlife Department

Restoration of Guadalupe Bass in the James River Watershed

Expand Guadalupe bass restoration efforts into the James River Watershed. Project will address factors leading to their decline, including flow alteration, loss of watershed connectivity, habitat degradation, and hybridization.
\$100,000

The Artist Boat, Inc.

Upper Texas Coast Dune Restoration and Outreach

Partner with Brazoria County, USFWS Coastal Program, adult service organizations, and area schools to plant 14 acres, or 10 miles of sand dunes through an outreach program with 4th grade to Gray (Texas Master Naturalists and other volunteer organizations) participants.
\$70,994

University of Tennessee

Southeast Grassland Birds Initiative – II

Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

UTAH

Bureau of Land Management

San Rafael River Restoration

Develop a restoration and monitoring plan for the San Rafael River in central Utah to benefit native desert fishes, including the bluehead sucker, flannelmouth sucker, and roundtail chub. Project will combine existing research with fluvial geomorphology and hydrologic analysis.
\$75,000

State of Utah, Division of Wildlife Resources Ferron Wildlife Habitat Fund

Conduct waterfowl research across the United States. Project will research survival and movements of mottled ducks, develop a scaup population model, and evaluate factors influencing nest success.
\$47,000

UNITED STATES

Pisces Molecular, LLC

Resolving the Taxonomic Status of Colorado Cutthroat Trout

Gather specimens from across the range of Colorado's native trout in the Southern Rocky Mountains to determine if differences in DNA can predict phenotype and whether those phenotypes are distinct and recognizable. This project will help guide the decision process for future cutthroat trout recovery and for determining whether these distinct genetic lineages deserve subspecies designation. \$18,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

Salt Lake City Corporation

Pulling Together for the Jordan River

Create a strategy for public and private partnerships to improve local control of invasive plant species threatening the Jordan River. Project will produce an Integrated Pest Management Plan, native plant restoration guides, public training programs, and will ultimately result in improved riparian habitat. \$25,000

Western Association of Fish and Wildlife Agencies

Supporting the Bureau of Land Management's National Sage-Grouse Planning Strategy

Work with the western state fish and wildlife agencies to ensure that operational needs for the Bureau of Land Management's National Sage-grouse Planning Strategy are met. \$20,000

VERMONT

NorthWoods Stewardship Center

Nulhegan Watershed Conservation and Education Initiative

Engage local students in a watershed study, tracking long-term water temperature change and its impact on endangered Atlantic salmon habitat. Students will participate in fish stocking, electro-shocking, and a stewardship project to improve riparian habitat. \$7,025

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast. \$48,977

Trout Unlimited, Inc.

Restoring Eastern Brook Trout to the Upper Connecticut River

Restore native eastern brook trout in the Upper Connecticut River and its tributaries in New Hampshire and Vermont. Project will restore instream habitat and open passage on nursery streams. \$55,240

U.S. Fish and Wildlife Service

Migration and Survival of Connecticut River American Shad

Complete a study that will provide critical management data essential to restoration efforts relating to American adult shad movements, including both up and downstream migrations, and survival at hydropower dams on the mainstem of the Connecticut River from estuary (Old Lyme, Connecticut) to Vernon Dam (Vermont). Project outcomes will be used by management agencies to update current shad plans and identify and address passage issues in order to improve shad populations. \$60,000

U.S. Fish and Wildlife Service

Eastern Brook Trout Restoration in the Batten Kill Watershed

Restore half a mile of in-stream habitat and restore access to two miles of habitat in the Batten Kill Watershed between Salem, New York and West Rupert, Vermont. Project will benefit Eastern Brook Trout in White Creek. \$30,000

Vermont Institute of Natural Science, Inc.

Ottawaquechee Cooperative Weed Management Area: A Watershed Approach

Create a model Cooperative Weed Management Area for the state of Vermont. Project priorities include invasive plant management, education, and early detection rapid response. \$45,000

Wildlife Management Institute

Restoration of Eastern Shrubland Birds – IV

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds – III

Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$100,000

VIRGINIA

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative

Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region. \$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership – II

Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person hours of training. \$500,000

College of William and Mary, Virginia Institute of Marine Science

Effects of Ghost Crab Pots in the Chesapeake – II

Continue testing of biodegradable escape panel that would allow crabs to escape after a period of time on lost pots. Prior testing confirmed no loss of catch on active gear; this project will now test for a full season with commercial fishermen in the blue crab fishery. \$4,961

Conservation International

Fisheries Bycatch Impacts on Sea Turtle Regional Management Units

Produce and incorporate crucial information on fisheries bycatch for priority sea turtle Regional Management Units to facilitate comparison of impacts of different fisheries globally. \$61,174

County of Loudoun, Virginia

Big Spring Branch Watershed Restoration

Educate and engage the local community to restore the Big Spring Branch watershed in Loudoun County, Virginia. Project will conduct outreach to schools and landowners, restore 600 linear feet of stream and 11.5 acres of riparian buffer, create a 1.1-acre wetland, perform downspout disconnections, and monitor changes in water quality. \$80,000

Culpeper Soil and Water Conservation District

Eastern View High School Outdoor Classroom

Work with state and local partners to design, build, and maintain an accessible outdoor classroom at Eastern View High School in Culpeper, Virginia. Project will restore a 1.5-acre wetland, establish 1,900 feet of riparian buffers, and install a 6,000-foot interpretive trail. \$33,150

Defenders of Wildlife

Land Trust Capacity Building

Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes. \$75,000

Earth Sangha

Mason Neck Meadow Inventory and Restoration Program

Create a meadow restoration program and web-based inventory for Bureau of Land Management property in northern Virginia. Project will address loss of meadows and fragmented native-plant inventories. \$25,000

Ecology and Environment, Inc.

Extreme Stream Makeover Educational Signs

Ecology and Environment will design and install permanent educational signage at three finished rain gardens in Lynchburg and Newport News, Virginia. \$8,000

Environmental Defense Fund, Inc.

Alternative Management for Chesapeake Bay Blue Crab Fishery

Support the development of an alternative management program that benefits watermen and results in sustainable harvest levels for the Chesapeake Bay blue crab. \$100,000

Farm Pilot Project Coordination, Inc.

Reducing Phosphorus with Thermochemical Conversion

Demonstrate the water quality and economic benefits of manure-to-energy conversion technologies on three farms. This project will demonstrate variations of thermochemical conversion at three different poultry farms in the Chesapeake Bay Watershed. \$650,000

Friends of the Rappahannock

City of Fredericksburg Stormwater Market

Develop a market mechanism to augment the City of Fredericksburg's new low impact development code. Project will implement a model off-site stormwater trading system. \$30,000

James River Association

Newport News Extreme Stream Makeover

Partner with local stakeholders to identify a degraded stream in Newport News and design specific mitigation and restoration projects for the watershed. Project will engage several hundred volunteers in hands-on conservation work. \$43,861

Longfellow Middle School PTA

Longfellow Middle School Water Conservation Garden

Partner with Fairfax County to install a rainwater harvest system and rain gardens at Longfellow Middle School. Project will increase public understanding of low impact development, provide experiential science education, and reduce pollution loads to Pimmit Run. \$20,000

Manomet, Inc.

American Oystercatcher Recovery – II

Unite the major organizations working on oystercatcher conservation along Atlantic and Gulf coasts to improve nesting success through control of predation and disturbance. \$218,952

Mary Baldwin College

Lewis Creek Zero-Runoff Campaign

Implement a targeted stormwater retrofit and social marketing campaign to reduce runoff in a in 29-acre subwatershed of Lewis Creek in Staunton, Virginia. Project will remove 3,750 square feet of impervious asphalt, plant a riparian buffer, and treat 34,000 square feet of parking lot with pervious pavement and bioretention systems. \$75,000

Northern Neck Land Conservancy, Inc.

Cat Point Creek Conservation Easements

Partner with the Virginia Outdoors Foundation and other organizations to facilitate the placement of conservation easements on priority land in the Northern Neck. Project will protect at least 2,108 acres of wildlife habitat by providing education and technical assistance to landowners and local governments. \$78,284

The Elizabeth River Project

Paradise Creek Riparian Buffer Restoration

Remove invasive species from 10 acres of forested riparian buffer at Paradise Creek Nature Park on the Elizabeth River in Portsmouth, Virginia. Project will demonstrate how to reclaim urban lands for public access. \$150,000

The Elizabeth River Project

Eliminating Massive Algal Blooms in the Lafayette River

Partner with the City of Norfolk and the Hampton Roads Sanitation District to develop River Star Homes into an effective model for fostering citizen behaviors that reduce nutrients and sediments. The River Star model for motivating behavior change will be expanded from businesses and schools to a new sector, residents. \$301,900

Three Rivers Soil and Water

Conservation District

Introducing Nitrogen Injection Technology on Coastal Farms

Expand the use of nitrogen injection technology in the lower Potomac, Rappahannock, and York watersheds. Project will educate farmers, conduct field demonstrations, monitor test plots, and reduce annual nitrogen application by approximately 60,000 pounds. \$100,000

Trout Unlimited, Inc.

Identifying and Securing Key Diadromous Fish Communities

Identify and prioritize opportunities to restore and protect coastal watersheds for native diadromous fish communities along the U.S. Atlantic coast. \$48,977

Trout Unlimited, Inc.

Accelerating Land Protection of Priority Brook Trout Streams

Provide transaction grants to land trusts and partnering Trout Unlimited chapters for donated conservation easements on critical brook trout streams. \$100,000

Trout Unlimited, Inc.

Mossy Creek Brook Trout Restoration in the Shenandoah Valley

Reintroduce native brook trout to Mossy Creek in the Shenandoah Valley of Virginia. The project will complete the reconnection of 5.4 miles to the mainstem Mossy Creek and restore 2,500 linear feet of stream and riparian habitat using natural channel design. \$147,930

Trout Unlimited, Inc.

Accelerating Brook Trout Restoration- Shenandoah Valley

Increase technical assistance available to private landowners in the Shenandoah Valley of Virginia for designing and implementing brook trout restoration projects through NRCS cost share programs. \$115,600

University of Maryland

Implementing Best Management Practices to Reduce Runoff and Lawn Fertilizer Use

Institutionalize the use of practices that will greatly reduce runoff and lawn fertilizer use. Several disparate stakeholder groups are targeted to alter attitudes about lawn care and appearance. \$400,000

University of Maryland
Stormwater Capacity Program
Pilot a process to assess and expand the capacity of local governments to finance stormwater activities in a way that maximizes environmental, economic, and social return on investment.
\$400,000

University of New Hampshire
Designing a River Herring Catch Share for the East Coast
Develop a conceptual model for the first anadromous fish catch share in the United States. Project will gather existing information to design a river herring catch share.
\$142,700

University of Tennessee
Southeast Grassland Birds Initiative – II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

Virginia Polytechnic Institute
Transitioning Small Dairies to Phosphorus Balance
Implement on-farm technical assistance, financial incentives and continuous improvement plans to achieve phosphorus balance over time on 35 small dairy farms in priority watersheds in the Shenandoah Valley.
\$600,000

Water Stewardship, Inc.
Evaluation of Verified Continuous Improvement Program
Evaluate verified continuous improvement program as reasonable assurance for agriculture in the Chesapeake Bay. Project will reduce nutrient loads on 20 farms in three regions to meet Virginia’s Total Maximum Daily Load Watershed Implementation Plan goals.
\$600,000

Wildlife Management Institute
Restoration of Eastern Shrubland Birds – IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Williamsburg Environmental Group, Inc.
Randolph-Macon College Regenerative Stormwater Conveyance Planning
Build stakeholder consensus and produce a report that assesses the feasibility and cost-benefit dynamics of a proposed regenerative stormwater conveyance project on Mechumps Creek in Ashland, Virginia.
\$5,537

WASHINGTON
Benton Conservation District
Community Harvesting of Water Stargrass in Yakima River – II
Mobilize community to maintain two acres of restored salmon habitat in the Yakima River and remove invasive water stargrass to improve salmon migration and spawning. Project will release salmon into sites with the assistance of local students.
\$39,140

Buccaneer Fishing
Reducing Halibut Bycatch through Gear Modifications
Conduct the first systematic evaluation of a halibut bycatch reduction device for the Pacific coast trawl fleet and make recommendations on its applicability to the fleet’s fishing operations.
\$72,600

Chelan County Natural Resource Department
Wenatchee Watershed Adopt-A-River
Host clean-ups throughout the Wenatchee watershed using trained stewards. Project will educate 10,000 adults and students, and conduct restoration with volunteers to improve coho salmon habitat.
\$24,848

Chelan County Natural Resource Department
Upper Chumstick Fish Passage Improvement
Improve fish passage to 1.8 miles of spawning habitat of coho and steelhead salmon on Chumstick Creek. Project will remove rock structures and culverts, and install over 2,000 native plants.
\$75,000

City of Kirkland
Community Salmon Fund: Puget Sound Central Juanita Creek Salmon Habitat Restoration
Install seven demonstration restoration sites along Juanita Creek to improve salmonid habitat, reduce bank erosion, and improve riparian vegetation.
\$39,000

City of Puyallup
Clarks Creek Riparian Planting
Improve habitat for coho salmon along Clarks Creek. Project will replace an impervious road with a pervious paving system away from the creek, amend soils, and plant natives in former roadway.
\$48,394

Clallam County Public Works
Fuhrman Road Culvert Replacement
Replace a culvert to allow coho salmon access to 2,500 feet of habitat and five acres of ponds. Project will be a future salmon release site on the Bogachiel River with local school groups.
\$40,882

Clark Public Utilities
Salmon Creek Japanese Knotweed Eradication Survey and eradicate Japanese knotweed along 40 miles of Salmon Creek to improve salmon habitat. Project will establish a network of community volunteers for identification and treatment.
\$74,374

Columbia Conservation District
West End Irrigation District Lateral Piping
Complete the fourth and final phase of a lateral piping project along a railroad crossing. The overall project will place 1.22 cubic feet per second of water in trust by converting an open ditch conveyance system to an enclosed pipeline system.
\$20,700

Columbia River Estuary Study Taskforce
School to River – II
Improve habitat in the Grays River watershed. Project will include 10 acres of riparian plantings engaging 35–50 students, two teachers and 300 landowners.
\$39,455

Confederated Tribes of the Umatilla Indian Reservation
Water Rights Accord – III
Assist and coordinate with local landowners and water trusts in the purchase or lease of water rights.
\$11,288

EarthCorps
Thornton Creek Maple Leaf Reach Restoration – II
Steward and maintain a demonstration site on private property along Thornton Creek in an urban watershed. Project will engage 150 new community members through outreach and education.
\$13,932

EarthCorps
Dumas Bay Park Restoration
Restore Dumas Bay Park, a 19-acre preserve in the City of Federal Way, Washington. Project will engage over 200 volunteers to remove invasive species, plant native conifers and understory species, and enhance 0.5 acres of wetland to improve salmon habitat in the lower Puget Sound watershed.
\$24,880

Fishermen’s Marketing Association, Inc.
Electronic Monitoring to Facilitate Affordable Catch Shares on the Pacific Coast
Test whether video can accurately determine fish species. Success of the west coast groundfish trawl Individual Fishing Quota program depends on finding an affordable monitoring alternative to human observers.
\$200,000

Friends of Ridgefield National Wildlife Refuge
Ridgefield Columbia River Floodplain Weed Management Area WA
Create a Columbia River floodplain Cooperative Weed Management Area. Conduct invasive plant survey, treatment, and revegetation on the Ridgefield National Wildlife Refuge, private and public lands.
\$50,000

Hood Canal Salmon Enhancement Group
The Health of Hood Canal (WA): A Dual Approach to Monitoring
Sustain a marine monitoring program tracking variables related to the development of low oxygen fish kill events. The information serves corrective action planning, research, and education.
\$299,509

Hood River Soil and Water Conservation District
Columbia Gorge Cooperative Weed Management Area Early Detection Rapid Response
Protect habitats on state and federal lands in the Columbia Gorge and build Cooperative Weed Management Area capacity through early detection and rapid response. Project will result in new reporting tools, a 40-site inventory, and public outreach.
\$32,330

Illwaco Fishermen and Marketing Cooperative
Collective Tools for Bycatch Management on the Pacific Coast
Establish a series of innovative collective arrangements in the Pacific coast trawl Individual Fishing Quota fishery with the purpose of managing bycatch of depleted groundfish species.
\$100,000

Inland Empire Action Coalition
Yellowhawk Barriers Assessment and Education
Assess debris jams blocking steelhead and bull trout along Yellowhawk Creek. Project will educate landowners and develop conceptual designs for removing confirmed barriers.
\$14,700

Jamestown S’Kallam Tribe
Siebert Creek Large Wood Recovery
Restore degraded coho salmon habitat along 1.5 miles of Siebert Creek. Project will install large woody debris, remove invasive species, and replant native conifers on private property.
\$50,000

King County Department of Natural Resources
Newaukum Creek Riparian Restoration
Restore Chinook salmon habitat and improve water quality on seven agricultural properties on Newaukum Creek. Project will engage landowners, exclude livestock, and install native plants.
\$60,000

King County Noxious Weed Control Program
Green River Healthy Headwaters
Control invasive knotweed in the Green River Watershed to improve Chinook salmon habitat. Project will remove 11 acres of invasive knotweed and train landowners on treatment techniques.
\$35,513

King County Noxious Weed Control Program
Cedar River Invasive Knotweed Control – II
Control invasive knotweed in the Cedar River Watershed to improve and protect Chinook salmon habitat. Project will remove 45 acres of invasive knotweed and train landowners on treatment techniques.
\$49,670

Kittitas Environmental Education Network
Wilson Creek Habitat Restoration
Restore a 6-acre restoration site along Wilson Creek for Chinook, coho, and steelhead rearing habitat. Project will develop management & monitoring plan and engage over 1,000 landowners and volunteer.
\$15,000

Kooskooskie Commons
Yellowhawk Creek Restoration and Streamkeepers Network
Form a Streamkeepers Network to improve habitat for threatened steelhead and bull trout along Yellowhawk Creek. Project will to remove invasive vegetation and install 1,300 native plants.
\$40,000

Kwiah: Center for the Historical Ecology of the Salish Sea
Restoring Wetland Inputs to Fisherman Bay
Conduct a pilot project restoring 1,000 linear feet of the largest riparian corridor of Fisherman Bay on Lopez Island for salmon habitat. Project will extend technical assistance to local landowners.
\$47,934

Kwiah: Center for the Historical Ecology of the Salish Sea
Conserving Island Flora and Pollinators in a Rising Sea
Identify remnant Native American gardens/ rare plants on BLM owned islands in Washington state. Provide recommendations and outreach material to support conservation in the face of rising sea level.
\$15,000

Lincoln County Conservation District
Lincoln-Spokane Cooperative Weed Management Area: Controlling Leafy Spurge
Evaluate the best integrated approach for controlling leafy spurge, and provide outreach to small landowners. Project will develop a Cooperative Weed Management Area in Lincoln and Spokane counties in Washington.
\$18,052

Long Live the Kings
Marine Survival of Salmon of Salish Sea
Develop a research plan on factors limiting coho, Chinook and steelhead in the Salish Sea. Project will study how salmon are affected by physical, chemical, and biological characteristics.
\$49,972

Long Live the Kings
San Juan Islands Coastal Cutthroat Trout Recovery Assessment
Determine the status and composition of San Juan coastal cutthroat trout inhabiting Washington’s San Juan Islands archipelago in order to establish appropriate recovery efforts. This project will investigate the composition, status, and population potential of the San Juan Islands spawning aggregate, as well as five streams in the San Juan Islands where cutthroat have been identified.
\$18,525

Lower Columbia Fish Enhancement Group
Pleasant Valley Springs Restoration — Salmon Creek
Restore riparian habitat and create protected off-channel refuge habitat in Salmon Creek as the first of many identified projects in the watershed. Project will restore two acres of riparian habitat, create 10,000 square feet of cold water ponded habitat, and 300 feet of protected spawning habitat.
\$21,667

Lower Columbia Fish Enhancement Group
Lawton Creek Community Restoration
Restore two acres of riparian habitat and install 40-60 whole trees to increase habitat complexity in Lawton creek. Project will increase the quantity and quality of pool habitat for salmonids and engage the local community through volunteer and educational opportunities.
\$29,767

Lower Columbia Fish Enhancement Group
Nutrient Enhancement in Water Resource Inventory Areas 26, 27, 28
Engage volunteers in nutrient enhancement activities in the Cowlitz, Kalama, Lewis and Washougal River watersheds. Project staff will coordinate and educate volunteers in dispersing 40,000–60,000 hatchery salmon carcasses back to their respective watersheds to restore the marine-derived nutrients needed for natural watershed function.
\$20,000

Lower Columbia Fish Enhancement Group
Woodard Creek Riparian Restoration
Vegetate land with hundreds of potted plant and willow cuttings with hundreds of local volunteers.
\$16,360

Lower Columbia River Estuary Partnership

Ridgefield National Wildlife Refuge Stewardship - II

Four hundred students will participate in classroom lessons in environmental sciences to prepare for in-river experiences and stewardship activities on the Ridgefield National Wildlife Refuge. Project outcomes will include students collecting and contributing water quality monitoring and habitat data to update Refuge records, as well as being involved in habitat restoration activities.

\$5,000

Lummi Indian Business Council

Lummi Youth Restoring Smugglers Slough

Restore Smugglers Slough to improve habitat for all five Pacific salmon species. Project will engage Lummi students to remove invasive spartina and install native trees in a 15-acre parcel.

\$37,914

Marine Conservation Biology Institute

Optimizing Monitoring and Surveillance in MPAs

Identify capacity, needs, and technologies to unite scientific monitoring with increased surveillance and enforcement in Marine Protected Areas. Project deliverables will include a workshop.

\$26,033

Methow Salmon Recovery Foundation

Methow Sub-basin Small Restoration Projects

Restore 1,500 linear feet of Chinook and steelhead habitat in the Methow Basin. Project will engage landowners to install large woody debris and native plants restoring habitat at three sites.

\$65,670

Mid-Columbia Fisheries Enhancement Group

Bull Trout Task Force

Restore bull trout access to upstream spawning areas and assist with bull trout population monitoring. Project will educate the public via sign postings, presentations at campgrounds, direct contact with fishermen, and creel surveys.

\$47,039

Mid-Columbia Fisheries Enhancement Group

Restoration of Yakima River Tributary Habitat Along Reecer Creek

Enhance valuable Yakima River tributary habitat. Project will involve the planting of trees and shrubs on Reecer Creek with the help of volunteers.

\$44,750

Mountains to Sound Greenway Trust

Issaquah Creek Restoration at Lake

Sammamish State Park 2011

Restore six acres of riparian habitat along an additional 1,600 feet of Issaquah Creek. Project will emphasize controlling invasive weeds and re-establishing native plant communities.

\$75,000

Nisqually Indian Tribe

Ohop Creek and Mashel River Revegetation Project

Re-vegetate the riparian zone along the Ohop Creek and Mashel River channels outside of Eatonville, Washington. Project will encompass 5.5 acres and will include several volunteer planting events.

\$38,509

Nisqually Land Trust

Nisqually Riparian Restoration Maintenance

Restore more than 10 acres of riparian forest in the Nisqually Basin for all five species of Pacific salmon. Project will improve three high priority restoration project sites and install native plants.

\$24,417

Nisqually River Foundation

Eatonville Rain Garden Cluster Installation

Install four demonstration rain gardens in an adjacent cluster. Project will address stormwater pollution and protects downstream salmon habitat.

\$20,000

Nisqually River Foundation

Climate Change Education in the Nisqually Estuary

Five hundred 3rd through 10th graders will learn about climate change and estuary restoration through trips to Nisqually National Wildlife Refuge. Students will actively participate in the re-vegetation of riparian habitats, learn about climate change, and contribute data to Nature Mapping to aid in tracking the changing phenology of species found at the Refuge.

\$4,996

Nooksack Salmon Enhancement Association

Water Resource Inventory Area 1 Fish Passage and Habitat Restoration

Improve over 4,500 linear feet of instream and riparian habitat through channel modification, installation of large woody debris, riparian plantings and a culvert removal to improve fish access to over three miles of upstream habitat.

\$41,392

Nooksack Salmon Enhancement Association

Salmon Habitat Restoration in the Nooksack Basin

Restore 2,500 feet of habitat along the Nooksack River for all five species of Pacific salmon. Project will use volunteers to install large woody debris and native riparian plants at four sites.

\$61,820

North Olympic Peninsula Resource

Conservation & Development Council

Service Learning for the Students at the Dungeness National Wildlife Refuge

Twenty-seven high school students will participate in skills-oriented, hands-on field

science educational opportunities through a Natural Resources program conducted by the North Olympic Peninsula Skills Center. The project will result in service learning projects at the Dungeness National Wildlife Refuge.

\$9,990

Northwest Straits Marine

Conservation Foundation

North Puget Sound Olympia Oyster

Research and Outplanting

Restore Olympia oysters in North Puget Sound through research, enhancing habitats for oyster reproduction and survival; developing restoration grade oyster seed; and planting out cultured seed to selected sites.

\$78,698

Northwest Straits Marine

Conservation Foundation

Derelict Fishing Net Removal in Puget Sound

Remove 90 derelict fishing nets from marine waters of north Puget Sound in habitats where birds have been known to die in derelict nets. Ten acres of marine habitat will be restored.

\$99,977

Pacific Conservation District

North River Knotweed Control

Control Japanese knotweed from the highest point of infestation on the North River downstream using a top-down watershed-scale approach. Project will engage the 42 landowners in the watershed to educate them on knotweed invasions and treat infestations using the least toxic but effective herbicide in a foliar application.

\$27,778

Pacific County Anglers

Al Wighton Fish Barrier Removal

Remove two fish barriers on Mill Creek, a tributary of the Willapa River. The removal will ultimately result in the improvement of 1.08 miles of habitat in a reach where culvert improvements have been made upstream.

\$5,556

People For Puget Sound

Maury Island Marine Park Re-vegetation

and Monitoring

Install native plants to rehabilitate Maury Island Marine Park riparian zone. Project will implement a forage fish monitoring program to engage the community.

\$32,881

People For Puget Sound

Union Slough Saltmarsh Riparian

Corridor Restoration

Establish native riparian vegetation on one-acre of Union Slough in the Snohomish River estuary. Project will involve 500 volunteers in determining the most effective means of salt marsh restoration.

\$36,885

People For Puget Sound

Codiga Restoration Site Maintenance and Monitoring

Improve riparian corridor of Codiga Park along the Duwamish River for Chinook salmon habitat. Project will engage 300 volunteers and create an adaptive management for the site.

\$26,545

Pierce Conservation District

Nisqually/Puyallup Knotweed Eradication

Recruit and involve citizens in the identification and eradication of Japanese Knotweed in riparian areas in high salmon recovery priority reaches of the Puyallup and Nisqually Rivers.

\$15,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols

Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.

\$82,700

Salmon Creek Watershed Council

Salmon Creek Typing

Assess 45 miles of headwater streams in Salmon Creek to improve salmon distribution maps. Project will conduct watershed education with landowners and identify fish passage barriers.

\$29,915

Salmon-Safe, Inc.

Salmon-Safe Yakima

Engage at least 150 growers in the Yakima Watershed to protect habitat through Salmon-Safe certification. Project will reduce pesticides and improve water quality on specialty crop farms.

\$55,440

Skagit Fisheries Enhancement Group

Upper Skagit Knotweed Control

Control knotweed and restore riparian area in the Upper Skagit watershed as part of a top-down, watershed-scale approach. Project is a continuation of a nine year effort which has involved over 100 private landowners and over 15 organizations to improve habitat in a high priority watershed for all five species of Pacific salmon plus steelhead, cutthroat and bull trout.

\$31,158

Skagit Fisheries Enhancement Group

Upper Skagit Knotweed Control Project

Control invasive knotweed in the Upper Skagit watershed in a top-down, watershed-scale approach. Project will use collaboration between partners to control invasive knotweed through survey, treatment and restoration of native plants in a prioritized manner, while adding in public education and outreach to ensure long term project success.

\$44,979

Skamania County Noxious Weed Department

Knotweed Eradication Sustainability Effort

Continue successful knotweed eradication on affected water bodies in Skamania County Water Resource Inventory Areas 28 and 29. Project will transition sites to landowner maintenance in order to reach program sustainability.

\$33,774

Snohomish Conservation District

City of Brier Creating Urban Riparian Buffers

Restore three acres of Chinook salmon on Scriber Creek. Project will engage landowners to increase conifer cover, and reduce invasive species with the Creating Urban Riparian Buffer program.

\$35,166

Snohomish County

Pilchuck Creek Partners in Habitat Restoration

Install four large woody debris jams to improve habitat diversity on Pilchuck Creek for Chinook salmon. Project will include outreach and education events to local stakeholders.

\$45,263

Snohomish County Noxious Weed

Control Board

Knotweed Control in the South Fork Stillaguamish River

Control invasive knotweed along 20 miles of the South Fork Stillaguamish River. Project will conduct community education to improve and protect habitat for Chinook, coho and chum salmon.

\$25,136

South Puget Sound Salmon

Enhancement Group

Schoolhouse Creek Restoration

Restore a 700-foot reach of spawning and rearing habitat for coho salmon along Schoolhouse Creek. Project will restore the natural channel, install woody structures, and improve riparian function.

\$38,509

Stewardship Partners

Puget Sound Rain Gardens — Longfellow Creek

Install rain gardens with landowners in the Longfellow Creek watershed to improve water quality for salmon. Project will be part of a local stormwater reduction campaign.

\$38,820

Stillaguamish Tribe of Indians

Stillaguamish Riparian Restoration Crew -II

Improve 20 acres of coho salmon habitat in the Stillaguamish Basin. Project will use a restoration crew, local schools, and a prison program to control invasive species and install native conifers.

\$57,500

Stillwaters Environmental Education Center

Carpenter Creek Estuary Monitoring

Monitor water quality in Carpenter Creek Estuary as part of a salmon passage project. Project will utilize volunteers to install over 200 native plants and monitor site before and after project.

\$9,963

Stilly-Snohomish Fisheries Enhancement

Task Force dba Sound Salmon Solutions

Whitehorse Creek Cooperative

Riparian Restoration

Improve degraded riparian habitat along ~1,000 feet of Whitehorse Creek, a tributary to the North Fork Stillaguamish River, on private agricultural land. Project will add 1.25 acres of invasive species removal and riparian planting adjacent to an existing three-acre restoration project.

\$12,972

The Adopt-A-Stream Foundation

Puget Sound Coastal Streamkeepers

Improve habitat on private property for Chinook salmon in three small Puget Sound watersheds. Project will install 1,000 native conifers, create large woody debris jams, and remove invasive vegetation.

\$39,003

The Nature Conservancy

eCatch: Web-based Monitoring for

Cooperative Fishing

Develop a modern fisheries information system that allows fishermen ready access to their data thus facilitating cooperative fishing arrangements forming under catch share management.

\$150,000

The Nature Conservancy

Chehalis Watershed Knotweed Control

and Education

Control knotweed in priority watersheds and continue the implementation of a comprehensive control strategy that includes restoration, outreach, and education for the Chehalis River Basin. Work will be focused on public and private degraded sites totaling 46,000 square feet of riparian corridor in five sub-basins.

\$21,044

The Nature Consortium

Duwamish Alive — Restore our River

Restore and improve Chinook salmon habitat at 26 sites along the Duwamish River. Project will engage hundreds of volunteers to remove invasive plants and install native plants in an urban corridor.

\$17,950

UNITED STATES

Trout Unlimited, Inc.

Okanogan Basin Water Transactions
Develop water transactions in the Okanogan Basin.
\$43,995

Trout Unlimited, Inc.

Columbia Cascade Water Transaction Strategy - VI
Identify, prioritize and develop strategies for water transactions in the Methow, Entiat, Yakima, Wenatchee, and Snake subbasins of Washington.
\$204,951

Walla Walla County Conservation District

G.A. Smith Farms Sediment Retention Demonstration
Develop a demonstration project featuring techniques to minimize sediment delivery from dirt roads and adjacent uplands, including the installation of water bars, gravel and check dams. Project will ultimately retain 30–50 tons of sediment annually from depositing into Coppei Creek and serve as a demonstration for other agricultural landowners in the area.
\$10,834

Walla Walla Watershed Management Partnership

Advancing Basin Flow Restoration Efforts in the Walla Walla Basin
Advance flow restoration efforts in the Walla Walla basin of Washington state through development and implementation of innovative water transactions under the Columbia Basin Water Transactions Program.
\$82,656

Washington Department of Ecology Transaction Processing and Monitoring Program - VIII

Assist in the selection, assessment, coordination, and management of water right acquisitions by Washington Water Trust and Trout Unlimited, and Ecology within the Columbia Basin in Washington State.
\$136,813

Washington State University

Voluntary Agricultural Stewardship
Implement a state-wide voluntary stewardship program and engage farmers in conservation actions in two priority watersheds.
\$300,000

Washington Water Trust

Washington Water Trust—Okanogan Basin
Perform water transactions work in the Okanogan Basin of Washington.
\$49,785

Washington Water Trust

Washington Water Trust—Walla Walla Basin III
Identify, develop and implement water transactions focused in the Walla Walla River basin.
\$111,647

Washington Water Trust

Columbia Basin Strategic Plan - X
Identify, develop, and implement water transactions, focused in the Wenatchee and Yakima basins. Project will work collaboratively with willing landowners, community groups, tribes, and businesses.
\$177,029

Whatcom Conservation District

Lake Terrell Fish Passage for Salmonids
Restore habitat in Terrell Creek for coho and chum salmon. Project will restore 900 linear feet by improving passage, adding spawning gravels and large woody debris, and installing native plants.
\$75,000

WEST VIRGINIA

Alliance for the Chesapeake Bay, Inc.

Chesapeake Forum and Networking
Continue to develop and grow a network of watershed organizations and local governments within the Chesapeake Bay watershed for the purposes of sharing information and identifying areas of common concern and need. Networking activities will target Chesapeake Bay Stewardship Fund grantees for participation in conferences and an on-line forum.
\$210,000

Chesapeake Bay Foundation, Inc.

Upper Potomac Farmer-to-Farmer Grazing Network Program
Increase the outreach to dairy and beef producers in the Upper Potomac region and provide comprehensive assistance to help these producers transition from traditional confinement operations to Managed Intensive Grazing. Project will reduce nutrient and sediment loads from agricultural cropland and animal operations, focusing on Natural Resources Conservation Service priority locations.
\$200,000

Chesapeake Bay Trust

Chesapeake Bay Capacity Building Initiative
Strengthen the organizational and programmatic capacity of watershed organizations throughout the Chesapeake region.
\$300,000

Chesapeake Stormwater Network, Inc.

Chesapeake Bay Stormwater Training Partnership - II
Expand on the first phase of the Chesapeake Bay Stormwater Training Partnership. Project will include webcasts, design workshops, field training, on-line training modules and master stormwater practitioner certificates to provide an aggregate of 15,000 person hours of training.
\$500,000

Defenders of Wildlife

Land Trust Capacity Building
Use a partnership-driven, landscape-scale model for conservation planning to build the capacity of two to three land trusts working in the most vulnerable and ecologically important areas of the watershed. Project will conduct workshops and monitor conservation outcomes.
\$75,000

Pinchot Institute for Conservation

Eastern Brook Trout Habitat Credits
Partner with private landowners to enhance eastern brook trout habitat in the Cacapon/Lost Rivers watersheds. Project will protect 1.5 miles of priority eastern brook trout habitat and 300 acres of transitional old-growth forest, test and refine the Bay Bank marketplace, and solicit credit purchases from conservation buyers.
\$120,000

The Mountain Institute, Inc.

Appalachian Watershed and Stream Monitors
Restore 19,250 linear feet of riparian forest buffers at various sites across the Potomac headwaters region of West Virginia. Project will foster environmental stewardship and engage 175 local youth in conservation action through a hands-on, inquiry-based science curriculum.
\$75,000

Trout Unlimited, Inc.

Accelerating Land Protection of Priority Brook Trout Streams
Provide transaction grants to land trusts and partnering Trout Unlimited chapters for donated conservation easements on critical brook trout streams.
\$100,000

University of Tennessee

Southeast Grassland Birds Initiative - II
Continue development of effective solutions to widespread barriers that inhibit recovery of grassland birds in southeastern U.S. Activities include creation of market-based solutions in agricultural lands; implementation of management practices that reduce spread of invasive plants; and outreach that promotes use of prescribed fire in longleaf pine forests.
\$421,999

Wallace Roberts & Todd

Cacapon Water Trail Planning and Design
Assist the Cacapon and Lost Rivers Land Trust with its water trail designation project for the Cacapon and Lost Rivers.
\$13,000

Wildlife Management Institute

Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds - III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

WISCONSIN

Bad River Watershed Association

Restoring Fish Passage and Habitat in the Bad River Watershed
Work with partners and replace two poorly performing culverts to restore 1.5 miles of upstream fish passage and improve 1,000 feet of in-stream habitat in the Bad River watershed.
\$79,280

Friends of the St. Croix Wetland Management District, Inc.

Friends of the St. Croix Wetland Management District Start-up and Auto Tour Guide
Develop a birding and habitat auto tour guide to identify birding locations by season and associated habitat types found within southern Polk and St. Croix counties. Project will increase membership and promote management goals of St. Croix Wetland Management District.
\$5,000

Riveredge Nature Center, Inc.

Riveredge State Natural Area Restoration
Work with nearly 300 volunteers to control invasive species. Project will enhance 90 acres and 1.3 miles of stream within Riveredge Nature Center, a 379-acre environmental learning center in southeastern Wisconsin.
\$31,803

U.S. Fish and Wildlife Service

Status and Distribution of Lake Superior Basin Brook Trout
Examine and summarize brook trout status, distribution, and land use characteristics across the Lake Superior basin of northern Wisconsin and the upper peninsula of Michigan. Project will help direct future conservation actions related to brook trout.
\$45,000

Wildlife Management Institute

Restoration of Eastern Shrubland Birds - IV
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$450,000

Wildlife Management Institute

Recovery of Eastern Shrubland-Dependent Birds - III
Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands.
\$100,000

Wisconsin Department of Natural Resources

Aders Creek Restoration and Wetland Enhancement
Work with partners to restore natural channel meander, plant native vegetation, and install in-stream woody debris to restore and enhance 5,000 feet of stream and four wetlands on the Brillion Wildlife Area.
\$49,985

WYOMING

Federation of Fly Fishers, Inc.

Identifying Upper Snake River Basin Native Fish Conservation Areas
Identify and prioritize potential Native Fish Conservation Areas in the Upper Snake River basin and its tributaries above Hells Canyon Dam, which lie mostly in Idaho and Wyoming. Project will focus on native fish assemblages, particularly redband trout, bull trout, and Yellowstone cutthroat trout, as well as other native fish, amphibian, and mollusk species.
\$45,000

Pisces Molecular, LLC

Resolving the Taxonomic Status of Colorado Cutthroat Trout
Gather specimens from across the range of Colorado's native trout in the Southern Rocky Mountains to determine if differences in DNA can predict phenotype and whether those phenotypes are distinct and recognizable. This project will help guide the decision process for future cutthroat trout recovery and for determining whether these distinct genetic lineages deserve subspecies designation.
\$18,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
\$82,700

Teton Science Schools, Inc.

Teton Ten Program in Snake River Watershed
Connect kids to healthy outdoor activities across the Snake River headwaters in Bridger-Teton National Forest in Wyoming while engaging them in the conservation and management of native western trout.
\$10,000

The Curators of the University of Missouri

Ecology of Greater Sage-Grouse in Relation to Wind Energy Development
Investigate and quantify construction and operational effects of wind energy development to male Sage-grouse through study of survival, movements and habitat use.
\$64,037

The Henry's Fork Foundation, Inc.

Chester Dam Fish Ladder and Fish Passage Monitoring
Build a fish ladder at Chester Dam on the Henrys Fork of the Snake River in Idaho to provide upstream fish passage for migratory fishes, including Yellowstone cutthroat trout. Project will reconnect fish passage with about 100 miles of rivers and streams above the dam that contain important spawning and rearing habitat for fishes.
\$30,000

Trout Unlimited, Inc.

Yellowstone Cutthroat Trout Assessment and Priority Actions
Develop a spatially explicit habitat assessment and identify priority actions to guide conservation and recovery efforts for Yellowstone cutthroat Trout and Snake River fine spotted cutthroat trout in Idaho, Wyoming, and Montana. Over the next five years, the project will track the representation, resilience and redundancy of these two fish populations.
\$15,000

Trout Unlimited, Inc.

BQ Diversion Fish Passage and Screening
Replace a current decrepit diversion structure and install a screen to prevent the entrainment of Bonneville cutthroat trout and other native fish on Twin Creek, located west of Kemmerer, Wyoming. Project will provide upstream fish passage, more efficiently divert water for irrigation purposes, and improve stream flows throughout the year.
\$30,000

Trout Unlimited, Inc.

Upper Greybull River Fish Passage Improvement
Install a fish ladder on a diversion structure within the mainstem Greybull River, located 25 miles west of Meeteetse, Wyoming. Project will provide fish passage for all native fish, including Yellowstone cutthroat trout, to over 60 miles of habitat including historical spawning and rearing tributaries.
\$30,000

Trout Unlimited, Inc.

Gros Ventre Fish Passage Improvement Enhance native fish passage to over 42 miles of the Gros Ventre River in Kelly, Wyoming and restoring the river gradient at the site. Project will restore upstream fish passage to native trout and non-game species. \$20,000

U.S. Geological Survey

Evaluating Fish Use and Movement on Spread Creek Utilize various sampling methods to evaluate Yellowstone cutthroat trout and other native and non-native fish use and movement following the removal of a fish passage barrier in Spread Creek, a tributary to the Upper Snake River north of Jackson, Wyoming. The project will use a combination of fish sampling and recapture methods to quantify fish movement and habitat use in Spread Creek. \$31,579

Western Association of Fish and Wildlife Agencies

Supporting the Bureau of Land Management’s National Sage-Grouse Planning Strategy Work with the western state fish and wildlife agencies to ensure that operational needs for the Bureau of Land Management’s National Sage-Grouse Planning Strategy are met. \$20,000

Wyoming Land Trust

Upper Green River Fencing and Statewide Conservation Help alleviate fencing barriers along a key big game corridor in the Upper Green keystone area. Project will expand conservation efforts throughout Wyoming. \$200,000

Wyoming Wildlife Consultants, LLC

Studying the Impacts of Wind Energy Development on Greater Sage-Grouse Populations in Southeastern Wyoming Study the impacts of wind energy development on Greater Sage-grouse populations in southeastern Wyoming. \$200,000

Yellowstone National Park

Creation of a Westslope Cutthroat Trout Brood in Yellowstone Develop a wild, self-sustaining, and abundant brood source of westslope cutthroat trout in the Goose Lake chain, located in west-central Yellowstone National Park, to support westslope cutthroat trout restoration throughout the region and bring public awareness to the species. Project will remove non-native rainbow trout from the lakes followed by the introduction of westslope cutthroat trout to ensure a healthy population. \$29,500

INTERNATIONAL

ASIA, INDIA, AND THE PACIFIC

ARC Centre of Excellence for Coral Reef Studies, James Cook University

International Coral Reef Symposium in Australia Host the International Coral Reef Symposium, a quadrennial meeting of coral reef scientists, managers and conservation planners. The symposium will be held in Cairns, Australia in July 2012. \$108,000

Centre for Marinelife Conservation and Community Development

Improving National Coral Reef Management in Vietnam Improve coral reef management in Vietnam by training coastal resource managers and community members on the methodology and implementation of socioeconomic monitoring. \$40,000

Conservation International

Enforcement in the Marine Protected Areas of Bird’s Head Seascape in Indonesia Patrol for four months the Kawe and Teluk Mayalibit Marine Protected Areas within the Bird’s Head Seascape. Community members and local police will patrol the area three to four days per week using speedboats and a floating ranger station. \$50,000

Conservation International Foundation

Socioeconomic Monitoring in Verde Island Passage, Philippines Institute a socioeconomic monitoring protocol and generate baselines to correlate marine protected area management effectiveness with human well-being. Project will inform management and sustainable development. \$29,987

Conservation International Foundation

Improving Coral Conservation Management Capacity in Samoa Build local management and monitoring capacity in Samoa’s Aleipata and Safata Marine Protected Areas. Project will enhance local employment options and build capacity for sustainable financing. \$69,430

Fauna & Flora International, Inc.

Long-term Tiger Survival in Ulu Masen, Aceh Apply best management practices to reduce tiger habitat loss and conflicts with humans through a community ranger program and by incorporating project outputs within Aceh government policy. \$65,000

Fauna & Flora International, Inc.

Conservation of Sumatran Tigers in Kerinci Seblat - VI Reduce threats to Sumatran tiger, particularly those related to poaching and trade, habitat loss, and human-tiger conflict, to allow tiger populations to stabilize and recover. \$45,000

Indonesia Locally Managed Marine Area Foundation

Enhancing Coral Reef Resilience in Indonesia and Timor-Leste Support a growing network of locally managed marine protected areas. Project will strengthen capacity-building and socioeconomic monitoring. \$41,000

Lazovsky State Nature Reserve

Anti-poaching and Conflict Resolution in Lazovsky Reserve Increase anti-poaching effectiveness and resolve tiger-human conflicts. Project aims to reduce Amur tiger poaching in the Lazovsky area which is a key tiger habitat in the Russian Far East. \$30,000

Malaysian Nature Society

Collaboration for Improved Tiger and Prey Protection Work with enforcement agencies to facilitate better protection of tiger-prey-habitat in and around Taman Negara and reduction of trade and consumption in selected hotspots. \$50,000

Marine Conservation Biology Institute

Predictive Modelling of Marine Areas in South Pacific Ocean Develop vulnerable marine ecosystem predictive models for the South Pacific Ocean and use the models to identify areas that most warrant protection from the impacts of fishing activities. \$49,500

Municipal Agriculturists Office

Improving Law Enforcement and Coral Reef Systems Management in the Philippines Improve fishery law enforcement and coral reef management. Project will include community education, an eco-friendly guard station, and increased monitoring capacity. \$19,389

Phoenix Fund

Supporting Protected Areas for Amur Tiger Recovery in Russia Provide support for anti-poaching patrols in protected areas of Russian Far East. Project will improve the effectiveness of anti-poaching teams by providing incentives, fuel, equipment, and by entering patrol data from all protected areas into a central database. \$67,000

U.S. Fish and Wildlife Service

Chick Translocation for Short-tailed Albatross Recovery - III Conduct the final year of translocation of endangered short-tailed chicks from an eroding slope on a volcanic island to a protected site on Mukojima, an island in the Bonin chain. This effort was initiated in 2005 and the long term outcome of this project is the recovery of the short-tailed albatross. \$100,000

University of Western Australia

Abundance and Size Structure of Reef Fish at Galvez Bank in Guam Determine species richness, relative abundance, biomass, and size structure of fishery-targeted species at Galvez Bank, Guam using stereo video imagery. \$9,000

Wildlife Conservation Society

Amur Tiger Monitoring Program 2011 Monitor status of Russia’s Amur tigers and their prey across their range, together with other government and non-governmental organization partners, and provide an indication of conservation impact. \$50,000

Wildlife Conservation Society

Conserving Tigers in Russian Far East Protected Areas Provide tiger status data, improve conservation, and work with government and non-government partners to set up a patrol and law enforcement system in key tiger source population protected areas in the Russian Far East. \$95,000

Wildlife Conservation Society

Tiger Conservation in Thung Yai East, Thailand Ensure robust law enforcement in Thung Yai East for two years. Project will also obtain an estimate on tiger density in Thung Yai East for one field season. \$119,000

Wildlife Conservation Society

Endau-Rompin Tiger Conservation in Malaysia Conserve an important tiger population in southern Peninsular Malaysia. Law enforcement is a core component of this overall project. \$30,000

World Wide Fund for Nature — India

Antipoaching Measures in the Proposed Pilibhit Tiger Reserve, India Strengthen anti-poaching measures and establish a peer-reviewed tiger and prey population monitoring system to curb poaching of tiger and prey species in the proposed Pilibhit Tiger Reserve, Uttar Pradesh. \$47,000

CANADA

Bay Area Restoration Council

Restoration of Hamilton Harbour Coastal Wetland and Watershed in Ontario Work with partners to restore wetlands and 4.6 miles of stream associated with Cootes Paradise Marsh and Hamilton Harbour through volunteer-based Adopt-a-Creek and Marsh Planting programs. \$30,000

Ducks Unlimited, Inc.

Protection of Prairie Pothole Habitat in North-central Montana Protect a 2,158-acre property which includes over 200 acres of pothole wetlands. Property will be protected with a perpetual conservation easement. \$5,000

Grand River Conservation Authority

Riparian/Wetland Restoration in the Grand River Watershed of Ontario Work with partners to convert 600 acres of erodible farmland to native riparian forest and grassland habitat. Project will control invasives on 72 acres of adjacent lands to prevent infestation of the restored areas. \$150,000

Long Live the Kings

Marine Survival of Salmon of Salish Sea Develop a research plan on factors limiting coho, Chinook and steelhead in the Salish Sea. Project will study how salmon are affected by physical, chemical, and biological characteristics. \$49,972

Long Point World Biosphere Reserve Foundation

Rehabilitation of Long Point Wetland Complex in Ontario Install a culvert to improve aquatic connectivity and fish passage between Big Creek Marsh and Long Point Bay, and continue restoration of nearby Crown Marsh. \$110,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land. \$82,700

U.S. Fish and Wildlife Service — Region 7

Bird Responses Assessment in the Boreal-Arctic Zone Use a bioclimatic envelope approach to predict how the distribution and abundance of boreal forest birds will respond to changing habitats across North America’s boreal-Arctic transition zone. Project will map and quantify potential range expansions of boreal bird species into Arctic and subarctic regions across Alaska and Canada. \$78,707

Wildlife Management Institute

Restoration of Eastern Shrubland Birds - IV Continue to restore populations of shrubland-dependent birds through a large-scale, collaborative program of technical assistance and land management activities on public and private lands. \$450,000

LATIN AMERICA AND THE CARIBBEAN

American Bird Conservancy

Eliminating Threats to Priority Seabirds - III Protect priority seabirds, including the endangered Pink-footed Shearwater, on their Chilean breeding islands; and examine ways to reduce potential fisheries bycatch while shearwaters are at sea. \$188,666

American Bird Conservancy

Bird Conservation in Allpahuayo-Mishana National Reserve - II Consolidate Allpahuayo Mishana National Reserve in Peru to protect endangered and migratory birds. Project will include acquisition of threatened private inholdings and local capacity building. \$110,000

Bahamas National Trust

Restoring Allen Cay for Shearwaters Restore Allen Cay (Bahamas) as a critical nesting habitat for Audubon’s Shearwaters, a seabird species adversely affected by the oil spill. \$148,487

Centre for Resource Management and Environmental Studies (CERMES), The University of the West Indies

Socio-economic Monitoring by Caribbean Challenge Marine Protected Area Managers Build capacity for improved and effective marine protected area management among Caribbean Challenge countries through the use of social and economic monitoring data. Project will train and provide seed-funds to managers to conduct and incorporate socioeconomic monitoring data. \$63,186

Coral Bay Community Council, Inc.

Riparian Restoration and Wetlands Protection in Coral Bay, St. John Restore and protect vegetation in an extremely degraded riparian area in Coral Bay, St. John. Project will engage the local community in habitat restoration. \$20,464

Fauna & Flora International, Inc.

Dog Island Restoration – Anguilla
Build local capacity to remove non-native rats and goats from Dog Island, an important seabird breeding site in the Caribbean, and protect the island against re-invasions by invasive animals while seabird populations recover.
\$205,000

Fauna & Flora International, Inc.

Hawksbill Conservation Along Pacific Nicaragua – II
Continue the second season of a hawksbill conservation project in the Estero Padre Ramos estuary in Nicaragua. Project will work towards long-term sustainability and permanent protection of primary hawksbill nesting areas.
\$50,000

Grupo de Ecología y Conservación de Islas, A.C.

Ecological Restoration of Priority Seabird Nesting Islands
Restore critical nesting habitat for more than a dozen priority seabird species through eradication of invasive species on Arrecife Alacranes (Gulf of Mexico) and Banco Chinchorro (Caribbean) archipelagos.
\$545,200

International Union for Conservation of Nature and Natural Resources – U.S.

Extinction Risk and Climate Change Vulnerability of U.S. Cacti
Compile conservation status data and assess climate change vulnerability for southeastern cacti for status review and Red List Assessment. Project will prioritize cacti conservation efforts.
\$30,000

Island Conservation

Restoring Pink-footed Shearwater Populations in Chile
Complete plan for restoring the native flora and fauna on Robinson Crusoe and Mocha islands in Chile. Project will initiate protection of the threatened Pink-footed Shearwater within the world’s only known breeding sites.
\$350,000

Mesoamerican Reef Fund

Mesoamerican Reef Grants Program
The Mesoamerican Reef Fund will administer a grants program for eight priority marine protected areas to increase coral cover.
\$209,000

The Nature Conservancy

Development of Marine Protected Area Coordination Framework in the U.S. Virgin Islands
Create a formal framework of shared priorities and resources for monitoring and collaboration across jurisdictions and the geographic extent of the islands.
\$30,075

The Ocean Foundation

Eastern Pacific Hawksbill Initiative – III
Follow-up on empirical data to map hawksbill activity in the Gulf of Fonseca. Raise awareness, improve management and promote multiscale hawksbill conservation throughout the eastern Pacific.
\$114,450

VU University Amsterdam, Institute for Environmental Studies

Economic Valuation of Coral Reefs for U.S. Virgin Islands – II
Increase local awareness about the role of coral reefs in the U.S. Virgin Island economy by applying total economic value results in the context of financing and damage assessment to policy making.
\$18,000

WIDECAST: Wider Caribbean Sea Turtle Conservation Network, Inc.

Protecting Leatherbacks with Time-Area Closures
Establish the boundaries of time-area closures around leatherback hotspots off Trinidad’s coasts using vessel monitoring systems on artisanal gillnet fishing boats.
\$47,864

Wildlife Conservation Society

Business Plan for Caribbean Hawksbill
Prepare a conservation business plan including priority actions, population goals and estimated budget needs for the Caribbean Hawksbill based on current literature and expert opinion.
\$15,000

MEXICO**American Bird Conservancy**

Providing Critical Habitat for Birds in the Gulf of Mexico
Protect and restore key island and coastal habitats for wintering and breeding shorebirds, waterbirds, and waterfowl in the Laguna Madre ecosystem complex.
\$218,107

American Bird Conservancy

Protecting Townsend’s Shearwaters on Socorro Island, Mexico
Develop strategic plan and take initial steps to remove invasive mammals from the sole breeding island for endangered Townsend’s Shearwater and other endangered species.
\$190,900

El Colegio de la Frontera Sur

Applying Bio-physical Monitoring and Capacity Assessments to Mesoamerican Reefs
Assist managers in evaluating source/sink dynamics of larval reef fish production and associated transport and its management importance for reef fish conservation.
\$38,745

Grupo de Ecología y Conservación de Islas, A.C.

Ecological Restoration of Priority Seabird Nesting Islands
Restore critical nesting habitat for more than a dozen priority seabird species through eradication of invasive species on Arrecife Alacranes (Gulf of Mexico) and Banco Chinchorro (Caribbean) archipelagos.
\$545,200

Mesoamerican Reef Fund

Mesoamerican Reef Grants Program
The Mesoamerican Reef Fund will administer a grants program for eight priority marine protected areas to increase coral cover.
\$209,000

Pollinator Partnership

Pollinator Field Guides, Education, and Monitoring Protocols
Develop and distribute educational materials relating to bumblebees and native plants for use on public and private land.
\$82,700

Sea Turtle Conservancy

Enforcing Mexican Turtle Exclusion Device Regulations to Protect Kemp’s Ridleys
Increase capacity for enforcing the proper use of Turtle Excluder Devices along the coasts of critical nesting beaches for the Kemp’s ridley sea turtle population.
\$263,858

Sky Island Alliance

Restoration of the Greater Huachuca Grassland Complex in Arizona and Mexico
Plan and implement riparian restoration in the Ciénega Creek and Las Nutrias Headwaters Watersheds. Project will involve the training of volunteers and community members and implementation of techniques developed by experts.
\$177,485

Society for the Conservation and Study of Caribbean Birds, Inc.

Building International Capacity for Seabird Conservation
Train local natural resource managers and fund start-up conservation projects in the Gulf of Mexico and the Caribbean to enhance seabird populations.
\$299,680

**NATIONAL FISH AND WILDLIFE FOUNDATION
IMPACT-DIRECTED ENVIRONMENTAL ACCOUNTS
(IDEA) PROJECT COMMITMENTS**

NFWF’s IDEA program receives, manages, and disburses funds that originate from court orders, settlements of legal cases, regulatory permits, licenses, and restoration and mitigation plans. Through the IDEA program, NFWF acts as a neutral third-party fiduciary to governmental entities and others to manage funds for specific conservation purposes.

ALASKA**State Landscape Conservation Cooperative Coordination**

Alaska Department of Fish and Game
Build state capacity to address Landscape Conservation Cooperative projects and goals. Closely collaborate on other areas of mutual cooperation like the North Slope Science Initiative.
\$82,870, *Federal Criminal Case*

Biodiversity Research Institute

North Slope Yellow-billed Loon Breeding Ecology
Determine factors that may account for Yellow-billed loon breeding distribution in the National Petroleum Reserve on the North Slope of Alaska. Project will result in a model to be used by the Bureau of Land Management to identify high quality breeding habitats to be conserved.
\$41,000, *Federal Criminal Case*

Bristol Bay Native Association

Bristol Bay Summer Youth Stewardship Program
Provide Alaska Native students with the opportunity to experience the science and research of natural resource management.
\$13,392, *Federal Criminal Case*

CALIFORNIA**American Land Conservancy**

Wild Cherry Canyon Long-Term Leasehold Interest Acquisition
Provide a portion of the funds needed for long-term preservation of approximately 2,400 acres of property in the Central Coast Region of California, known as Wild Cherry Canyon, through the acquisition of long-term leasehold and fee interests, which will benefit water quality and protect the beneficial uses of the area, including wildlife habitat, aquatic habitat and compatible recreational uses.
\$950,000, *State Civil Case*

APHIS Wildlife Service

APHIS WS- May 2011
Remove offending ravens in and around Ivanpah Valley in California in order to help decrease raven predation on the desert tortoise.
\$5,000, *Mitigation*

California District Attorneys Association

Environmental Prosecution Fund
Create a fund to aid in the prosecution of environmental criminal cases with the Long Beach City Prosecutor.
\$50,000, *Federal Criminal Case*

California State Parks

McGrath Lake Trust
Provide oversight and monitoring of restoration activities to ensure successful completion of the restoration projects identified in the McGrath Lake Restoration Plan.
\$40,000, *State Civil Case*

Dr. Monte Sanford

Carson Wandering Skipper Surveys and Habitat Mapping
Survey and map the habitat of the Carson Wandering Skipper butterfly.
\$15,000, *Species Recovery Funds*

Gary Black

Grenada Irrigation District — Huseman Relocation Instream Phase
Complete a fish passage and fish screening project on the Shasta River at Huseman Ditch to enhance critical coho spawning and rearing by the addition of flow. This project will result in the removal of the Grenada Irrigation District diversion dam and replacement with an engineered natural fish-way and fish screen.
\$110,000, *Mitigation*

Karuk Tribe

Seiad Creek Channel Restoration – II
Begin the project planning process to remove push-up levees and restore natural channel function on Seiad Creek. This phase of the project will include the re-connection of flood plain to open off-channel habitat to SONCC, riparian planting along stream, and streambank stabilization.
\$58,104, *Mitigation*

Mid Klamath Watershed Council

Middle Klamath Restoration Implementation Planning Project
Facilitate the creation of a prioritization strategy that identifies and prioritizes restoration actions in the subbasin to complement the Mid Klamath Subbasin Fisheries Resource Recovery Plan and other existing planning documents. A restoration implementation plan will be created from this collaborative planning effort to provide a framework for allocating restoration funds to identified high priority projects.
\$44,430, *Mitigation*

Mid Klamath Watershed Council

Middle Klamath Coho Rearing Habitat Enhancement
Increase cover complexity at off-channel coho refugia sites in Mid Klamath tributaries. Biological assessments will determine juvenile coho relative abundance and project efficacy. The project will increase the amount of cover by 50 percent using on-site brush bundles, and large woody debris.
\$37,660, *Mitigation*

NOAA — Gulf of the Farallones National Marine Sanctuary

Protecting Critical Wildlife Populations in Sanctuaries
Protect marine wildlife by conducting a comprehensive boater education program and increase coordination among resource managers to ensure compliance with wildlife disturbance laws and regulations.
\$99,724, *Federal Criminal Case*

Pacific Coast Fish, Wildlife and Wetlands Restoration Association

Salmon Creek Delta, Phase II Implementation
Restore 12.9 acres of native salmonid estuarine habitat in Salmon Creek, re-establish tidal marsh, re-construct meandering channel and off-channel ponds, restore fish passage, and educate on methods used.
\$86,706, *Federal Criminal Case*

Point Millerton Ranch, LLC*

Fresno County Tract 4870 Endowment
Provide long-term funding in perpetuity for land management activities that will protect and manage for conservation purposes the property in Fresno County, California commonly known as Tract 4870 or the Point Millerton Conservation Easement.
\$416,710, *Mitigation*

Point Millerton Ranch, LLC

Fresno County Tract 4870 Initial and Capital
Provide funding for three years of land management activities that will protect and manage for conservation purposes the property in Fresno County, California commonly known as Tract 4870 or the Point Millerton Conservation Easement.
\$43,505, *Mitigation*

Recon, Environmental Inc.

San Diego National Wildlife Refuge Fund
Restore the habitat at the Otay Tarplant Preserve by planting native plant species appropriate to the soil, climate, topography and geography of the preserve.
\$65,344, *Mitigation*

**Please note this award amount reflects the full principal of the quasi-endowment which is intended to distribute approximately 3.5 percent of its principal per year for land.*

Riverside Land Conservancy

Delhi Sands Flower Loving Fly Conservation Fund

Provide ongoing maintenance to land in San Bernardino County containing Delhi Sands Flower-loving Fly habitat. \$229,285, *Mitigation*

Scott River Water Trust

Improving Streamflow for Coho Salmon in the Scott River

Work to create water lease agreements with farmers and ranchers for the instream benefit of coho salmon in the coho habitat of the Scott River and its tributaries. This project will remove seasonal flow barriers for coho adult and juvenile passage, improve the quality and quantity of coho salmon habitat, and protect thermal refugia for coho. \$98,600, *Mitigation*

Stewards of the Coast and Redwoods

Willow Creek 2nd Bridge Area Fish Passage Project

Complete a dewatering process for the Willow Creek 2nd Bridge and road installation which will ultimately aid in restoring fish passage at the 2nd bridge crossing along Willow Creek Road in Sonoma Coast State Park. \$75,500, *State Civil Case*

The C.R.E.W.

West Barranca Riparian Restoration Project Aid in the restoration of the Lower West Barranca Riparian Corridor of Ojai Libbey Park, using volunteers and paid youth to remove non-native invasive plants and trash, and re-vegetate with native plants. \$40,000, *Federal Criminal Case*

Transition Habitat Conservancy

Sheldon Parcels of Puma Canyon Land Acquisition

The acquisition of 20 acres of land that is along the southwestern edge of the Mojave Ecoregion in San Bernardino County, CA within the unincorporated area of Pinon Hills and is part of the headwaters of the Mojave River Watershed. The watershed has been in severe overdraft since the 1950s, is located at ground zero for renewable development in the CA desert, and has sensitive species worth preserving. \$50,000, *Federal Criminal Case*

University of California, Santa Cruz

Assessing Distribution of the Santa Cruz Rufous-Crowned Sparrow on West Anacapa Deploy a network of 12 acoustic sensors across West Anacapa Island to establish the presence of Santa Cruz Rufous-Crowned Sparrow during the breeding season. \$24,604, *State Civil Case*

COLORADO**Darryl Steele**

Upper Colorado Fish Recovery Program Fund Gain access to landowner's property in order to conduct an endangered fish survey in the Maybell Canal on the Yampa River in Colorado. \$4,000, *Mitigation*

George Smith

Upper Colorado Fish Recovery Program Fund Review and provide feedback on the USGS Geomorphology Report of 2010 as part of a larger effort to aid in the recovery of endangered fish on the Colorado River. \$500, *Mitigation*

Various Recipients

State of Colorado Agreement-San Juan Fish Recovery Program Fund Purchase equipment for the Uvalde National Fish Hatchery as part of a larger effort to aid in the recovery of endangered fish on the San Juan River. \$13,406, *Mitigation*

Various Recipients

Upper Colorado Fish Recovery Program Fund Help the recovery of endangered fish on the Colorado River by assisting the U.S. Fish and Wildlife Service with standardizing electrofishing equipment for the Upper Colorado Fish Recovery Program. \$6,450, *Mitigation*

CONNECTICUT**Avalonia Land Conservancy, Inc.**

Anguilla Brook Fish Passage Restoration Design simple pool and weir fishway at the Wequetequock boulder dam at head-of-tide. Project will remove the Rutan dam located a mile upstream to restore access to 13 miles of diadromous fish habitat. \$22,700, *Federal Criminal Case*

Cornell Cooperative Extension Association of Suffolk County

Long Island Sound Eelgrass Restoration Restore 1.5 acres of historic eelgrass beds at seven sites in New York and Connecticut with the aim of ensuring survival of this important marine habitat in the face of climate change, sea-level rise and other threats. \$49,353, *Federal Criminal Case*

The Connecticut Agricultural Experiment Station

Lord Cove Coastal Forest and Stream Restoration Restore 32 acres of coastal forest and a 4,000-foot stream corridor adjacent to Lord Cove on the lower Connecticut River. Project will improve wildlife habitat and reduce erosion by eradicating invasive plants. \$10,000, *Federal Criminal Case*

The Connecticut Fund for the Environment, Inc.

Pequonnock River Apron Fish Passage Install a step pool fish ladder through an existing concrete erosion apron installed in the Pequonnock River which is impeding upstream fish passage. Project will restore five miles of upstream river passage for migrating and spawning native fish including alewife and blueback herring. \$25,000, *Federal Criminal Case*

University of Connecticut

Bioextraction of Nutrients from Long Island Sound Pilot the use of seaweed to "bio" extract pollution and then measure reductions in pollution in New York at the mouth of the Bronx River and Connecticut off the coast of Fairfield. \$13,788, *Federal Criminal Case*

DELAWARE**Virginia Polytechnic Institute**

Horseshoe Crab Trawl Survey for 2011 Conduct horseshoe crab trawl surveys in and near Delaware Bay. Relative abundance of demographic groups will be reported to federal and state marine resources management agencies. \$199,999, *Federal Criminal Case*

FLORIDA**Sanctuaries, Refuges, and Parks of the Florida Keys**

Hammer Restitution Fund Provide equipment to aid in the location, identification, and abatement of resource violations. \$7,400, *Federal Criminal Case*

Urbanarts, Inc.

Trade in Protected Species Campaign Design, construct, and install public informational displays in the Southern District of Florida at selected international airports and international embarkation facilities for passengers departing the United States, in order to acquaint such travelers with international and domestic restrictions on the trade and transportation of protected species. \$92,000, *Federal Criminal Case*

LOUISIANA**Louisiana State University**

Louisiana Derelict Crab Trap Removal and Prevention Reduce the number of problems associated with derelict crab traps in Louisiana by removing derelict gear from the environment and providing education to lessen future impacts. \$163,992, *Federal Criminal Case*

MAINE**Maine Maritime Academy**

Environmental Regulations and Ethical Industrial Compliance Educate mariners about current and evolving environmental compliance issues. Project will assess their knowledge by using defined outcomes and testing to allow outcomes assessment. \$55,000, *Federal Criminal Case*

State of Maine, Department of Marine Resources

Kennebec River Restoration Fund Restore anadromous and catadromous fisheries to the Kennebec River. This project also aids in the removal of Edwards Dam. \$387,623, *State Criminal Case*

The Trust for Public Land

Timber Point Conservation Initiative Protect Timber Point, a 85-acre peninsula and a 13-acre island as early successional habitat to sustain New England Cottontail and other species. \$200,000, *Federal Criminal Case*

MARYLAND**Anacostia Watershed Society Watershed Stewards Academy**

Lead a partnership of local watershed organizations to increase the number of citizen stewards in the Potomac, Anacostia, and Patuxent River watersheds. Academy graduates will design, implement, and monitor 30-40 conservation and restoration projects. \$46,060, *Federal Criminal Case*

Center for Watershed Protection, Inc.

Finding and Fixing Illicit Discharges in Maryland Utilize advanced training and testing to increase the efficiencies of Illicit Discharge Detection and Elimination programs. This program is an effective Best Management Practice that can achieve significant pollutant reduction benefits in aging communities. \$155,240, *Federal Criminal Case*

Center for Watershed Protection, Inc.

St. Mary's River Watershed Plan Create a community-based watershed plan to serve as a blueprint for restoration and protection of the St. Mary's River. Project conducts extensive outreach and engages volunteers in early-action projects. \$134,149, *Federal Criminal Case*

Maryland Association of Soil Conservation Districts

Plumtree Run Headwaters Restoration Restore the headwaters of Plumtree Run in Bel Air, Maryland. Project will remove 670 feet of concrete culvert and establish a stream/wetland system within a vegetated riparian corridor. \$156,965, *Federal Criminal Case*

Maryland Department of Natural Resources

Chesapeake-Striped Bass Restitution Fund Provide equipment to aid in the location, identification, and abatement of resource violations. \$52,378, *Federal Criminal Case*

Sassafras River Association, Inc.

Nutrient and Sediment Reduction in the Sassafras River Watershed Partner with farmers and homeowners to reduce nutrient and sediment loads in the Sassafras River watershed. Project will construct a 2-acre treatment wetland, plant 2,500 acres of cover crops, perform septic upgrades, and reduce pollution loads by 24,981 pounds of nitrogen, 2,839 pounds of phosphorus, and 44.5 tons of sediment. \$40,000, *Federal Criminal Case*

Spa Creek Conservancy, Inc.

Rich Morton Lincoln-Mercury Stormwater Retrofit Partner with Rich Morton Lincoln-Mercury in Annapolis, Maryland to manage polluted stormwater runoff in an ultra-urban environment. Project will capture and treat stormwater from the property using rain gardens, sand filters, and flow-through filtration planters. \$41,648, *Federal Criminal Case*

Virginia Polytechnic Institute

Horseshoe Crab Trawl Survey for 2011 Conduct horseshoe crab trawl surveys in and near Delaware Bay. Relative abundance of demographic groups will be reported to federal and state marine resources management agencies. \$199,999, *Federal Criminal Case*

MASSACHUSETTS**BoatU.S. Foundation for Boating Safety and Clean Water**

Clean Boating Online Course The BoatU.S. Foundation will develop an online education course teaching boaters about ways to minimize the impacts of their boating activities on the environment. \$25,000, *Federal Criminal Case*

North American Marine Environment Protection Association (NAMEPA)

Marine Environment and MARPOL Compliance Education Program - MA Educate mariners about marine environment protection and MARPOL regulations and compliance through training delivered by local port chaplains. \$55,015, *Federal Criminal Case*

NEBRASKA**Various Recipients**

Platte River Recovery Fund Restore riverine habitat along the central Platte River in Nebraska by removing undesirable invasive vegetation from accretion land, river channels, and adjacent native grasslands. Project also restores riverine roosting habitat for whooping and sandhill cranes, and nesting and foraging habitat for least terns and piping plovers. \$56,106, *Mitigation*

NEVADA**Various Recipients**

Nevada National Wildlife Refuge Land and Water Acquisition Fund Acquire replacement lands, waters or interests in lands or waters for National Wildlife Refuges in the State of Nevada. \$3,317,496, *Mitigation*

NEW JERSEY**NY/NJ Baykeeper**

The Head Mistress Raritan Bayshore Pumpout Boat Use The Head Mistress sewage pumpout boat to provide free pumpouts to the heads of recreational boats in the Raritan and Sandy Hook Bays. \$22,300, *Federal Criminal Case*

SUNY Research Foundation

OCEAN DEFENDERS: A Mariner Environmental Education Program Implement an educational program teaching mariners aboard U.S. vessels about the environmental impact of chronic oil pollution, how to comply with key environmental laws, and how to report violations to the USCG. \$325,000, *Federal Criminal Case*

Virginia Polytechnic Institute

Horseshoe Crab Trawl Survey for 2011 Conduct horseshoe crab trawl surveys in and near Delaware Bay. Relative abundance of demographic groups will be reported to federal and state marine resources management agencies. \$199,999, *Federal Criminal Case*

NEW MEXICO**Various Recipients**

State of New Mexico Agreement—San Juan Fish Recovery Program Fund Purchase equipment for the Uvalde National Fish Hatchery as part of a larger effort to aid in the recovery of endangered fish on the San Juan River. \$34,031, *Mitigation*

NEW YORK

Bronx Overall Economic Development Corporation

Installation of a Green Roof at ABC Carpet
Install a 10,000 square foot green roof to retain and filter stormwater on the roof of ABC Carpet.
\$269,500, *State Criminal Case*

City of New York Parks and Recreation

Rodman's Neck Coastal Forest Restoration
Restore approximately 65 acres of parkland in Pelham Bay Park, replacing invasive exotic vegetation with native forest.
\$25,000, *Federal Criminal Case*

Cornell Cooperative Extension Association of Suffolk County

Long Island Sound Eelgrass Restoration
Restore 1.5 acres of historic eelgrass beds at seven sites in New York and Connecticut with the aim of ensuring survival of this important marine habitat in the face of climate change, sea-level rise and other threats.
\$49,353, *Federal Criminal Case*

Group for the East End, Inc.

Goldsmith Waterwash Stormwater Remediation and Outreach
Design a retention wetland using native plants to reduce nonpoint source stormwater pollution and restore wildlife habitat in Goldsmith Inlet.
\$14,657, *Federal Criminal Case*

Maine Shellfish R&D

Maine Shellfish R&D Assistance to Mollusk Restoration to Increase Habitat and dO Around a Wastewater Treatment Plant
Investigate the use of suspension feeder aquaculture and seaweed to filter water as a means to secure improvements in water clarity, removal of nitrogen and suspended particulates in the Bronx River with a goal of providing enough habitat area to filter 100 million gallons of water per day to compensate for discharges from the Hunts Point Waste Water Treatment Plant and from other point and nonpoint sources.
\$37,760, *State Criminal Case*

Montclair State University

Identification and Biodiversity Analysis of Epifouling Organisms
Perform taxonomic identification of epifouling organisms accrued on 120 samples taken over time from the Bronx River as part of the mollusc and seaweed aquaculture bioextraction project.
\$23,146, *State Criminal Case*

New York City Department of Parks and Recreation

Installation of a Green Roof at Ranaqua Administrative and Works Facility
Install a green roof to capture stormwater at the New York City Department of Parks and Recreation Ranaqua administrative and works facility.
\$350,000, *State Criminal Case*

Rocking the Boat, Inc.

Rocking the Boat Assistance to Mollusk Restoration to Increase Habitat and dO Around a Wastewater Treatment Plant
Investigate the use of suspension feeder aquaculture and seaweed to filter water as a means to secure improvements in water clarity, removal of nitrogen and suspended particulates in the Bronx River with a goal of providing enough habitat area to filter 100 million gallons of water per day to compensate for discharges from the Hunts Point Waste Water Treatment Plant and from other point and nonpoint sources.
\$62,606, *State Criminal Case*

Rocking the Boat, Inc.

Rocking the Boat Stormwater Capturing Gardens
Redirect stormwater runoff from the roof of Rocking the Boat's South Bronx building to two permeable rain gardens. Local youth will help design, construct, and maintain the highly visible gardens.
\$57,000, *State Criminal Case*

Rocking the Boat, Inc.

Stormwater Remediation and Community Education
Construct a wetland to filter storm runoff, improve habitat, and increase Bronx River public access. Project will involve educating the community about watershed issues.
\$350,000, *State Criminal Case*

SUNY Research Foundation

Monitoring the Use of Excavated Channels with PIT Tagging Monitoring System
Quantify, identify, and describe fish movements through the newly created excavated channels in Blind Bay and Club Island marshes.
\$16,275, *Mitigation*

SUNY Research Foundation

OCEAN DEFENDERS: A Mariner Environmental Education Program
Implement an educational program teaching mariners aboard U.S. vessels about the environmental impact of chronic oil pollution, how to comply with key environmental laws, and how to report violations to the USCG.
\$325,000, *Federal Criminal Case*

The Gaia Institute

Bronx River Watershed Initiative
Assist with designing and building an acre of mollusk habitat in the immediate vicinity of the Hunts Point Wastewater Treatment Plant; demonstrate how cost-effective mollusk and seaweed treatments can be.
\$5,145, *Federal Criminal Case*

The Point Community Development Corporation

The Point's South Bronx Community Green Roof
Convert the main roof of a community center to an extensive green roof and convert a smaller portion of its roof to an intensive green roof to reduce polluted stormwater and function as a demonstration area and outdoor classroom. The green roof will reduce stormwater runoff by 150,475 gallons annually.
\$50,000, *Federal Criminal Case*

Trees New York

Sidewalk Vegetative Control
Mitigate stormwater runoff by replacing 2,260 square feet of impervious surface along Bronx River Avenue with nine extra-large tree beds.
\$137,200, *State Criminal Case*

University of Connecticut

Bioextraction of Nutrients from Long Island Sound
Pilot the use of seaweed to "bio" extract pollution and then measure reductions in pollution in New York at the mouth of the Bronx River and Connecticut off the coast of Fairfield.
\$13,788, *Federal Criminal Case*

University of Massachusetts Dartmouth

Energy Content of Downstream Migrating American Eels
Evaluate the energy content of downstream migrating silver eels in the St. Lawrence River System.
\$45,000, *Mitigation*

Village of Bronxville, New York

Installation of a Stormwater Filter Catchment Basin in the Village of Bronxville
Install Drainage Catchment Basin and connect to Sanitary and Storm Sewer Systems. Wash water will be directed to sanitary system and stormwater to stormwater conveyance system.
\$53,425, *State Criminal Case*

Village of Tuckahoe, New York

Village of Tuckahoe Department of Public Works Yard Improvements
Use structural best management practices to capture pollutants and prevent them from entering the Bronx River. Project will install a hydrodynamic separator with associated stormwater catch basins, trench drain, underground conveyance system piping, and connections to existing and proposed rooftop downspouts.
\$60,000, *State Criminal Case*

NORTH CAROLINA

BoatU.S. Foundation for Boating Safety and Clean Water

Clean Boating Online Course
The BoatU.S. Foundation will develop an online education course teaching boaters about ways to minimize the impacts of their boating activities on the environment.
\$25,000, *Federal Criminal Case*

OKLAHOMA

North American Marine Environment Protection Association (NAMEPA)

Marine Environment and MARPOL Compliance Education Program — NC
Educate seafarers about MARPOL compliance and reporting using port chaplains to deliver a training program on MARPOL regulations. Seafarers will receive a brochure and contact information.
\$55,015, *Federal Criminal Case*

Playa Lakes Joint Venture

Texas and Oklahoma Waterfowl Habitat Restoration Fund
Preserve, restore, and protect migratory waterfowl habitat in the Northern District of Texas and the District of Oklahoma.
\$78,200, *Federal Criminal Case*

OREGON

Cascade Pacific Resource Conservation and Development Area, Inc.

Recruiting Landowners to Restore and Recover Watersheds
Conduct outreach to 60 percent of landowners living in Model Watershed tributaries. Project will recruit landowners to plan and participate in on-the-ground restoration.
\$47,868, *Federal Criminal Case*

Clean Water Services

Ramping up Restoration in Rural Communities
Assist small municipalities and landowners in accessing potential water quality markets in the Upper Klamath using tools developed in the Willamette Basin.
\$15,232, *Federal Criminal Case*

Mary's River Watershed Council

Shotpouch Creek Floodplain Connection Enhancement
Address limiting factors for cutthroat trout by reconnecting the stream to its floodplain and increasing in-stream habitat complexity along seven miles of Shotpouch Creek with nine landowners.
\$49,275, *Federal Criminal Case*

National Forest Foundation

Whychus Creek Streamflow Enhancement Project
Replace 6,000 feet of leaky irrigation pipeline and restore .25–.5 (cfs) in water savings to Whychus Creek. Project will partner with the Deschutes River Conservancy and private landowners.
\$25,000, *Federal Criminal Case*

North Fork John Day Watershed Council

Fox Creek USACE Channel Restoration
Abandon the USACE channel, redirect all water into the historic channel, and increase habitat on Fox Creek. Project will result in improved spawning and rearing habitat during high and low flows.
\$35,400, *Federal Criminal Case*

Salmon-Safe, Inc.

Salmon-Safe Willamette 2011
Transition a third of Willamette Valley's top acreage to Salmon-Safe practices, leveraging our success in vineyarding over 200 Willamette vineyards to fish friendly farming practices.
\$32,455, *Federal Criminal Case*

Sandy River Basin Watershed Council

Middle Sandy River Restoration Prioritization Phase I
Prioritize restoration actions in Oregon's Middle Sandy River, linking key areas now being restored. Project will combine GIS, field surveys, and limiting factors analysis.
\$50,000, *Federal Criminal Case*

The Freshwater Trust

Rudio Creek Watershed Habitat Restoration Plan and Community
Develop a comprehensive plan to restore the aquatic habitat of Rudio Creek. Project will conduct outreach to engage local stakeholders in watershed-scale habitat and flow restoration efforts.
\$38,000, *Federal Criminal Case*

Tillamook Estuaries Partnership

Tillamook Bay Watershed Culvert Prioritization
Survey stream crossings throughout Tillamook Bay Watershed and collect data to prioritize culverts for replacement based on fish passage and upstream habitats.
\$50,000, *Federal Criminal Case*

The Nature Conservancy

Upper Willamette Floodplain Restoration Design
Complete and refine final designs for 11 floodplain restoration projects identified in the U.S. Army Corps of Engineers' Willamette Floodplain Restoration Study.
\$50,000, *Federal Criminal Case*

Umatilla County Soil and Water Conservation District

Taylor Birch Creek Fish Passage Restoration Project
Restore three miles on Birch Creek by removing two abandoned irrigation dams. Project will give access to summer steelhead, redband trout, and lamprey to rearing/spawning habitat in the headwaters.
\$43,460, *Federal Criminal Case*

Western Rivers Conservancy

Lower John Day — Hay Creek Project: Phase II
Increase floodplain connectivity and channel complexity. Project will also restore riparian habitat.
\$35,000, *Federal Criminal Case*

West Multnomah Soil & Water Conservation District

Sauvie Island Pesticide Collection Event
Provide a free event for agricultural producers to dispose of old, outdated, or banned pesticides.
\$10,000, *Federal Criminal Case*

SOUTH CAROLINA

Various Recipients

Marine Organism Identification Fund
Purchase and implement database systems to track a large and diverse collection of marine species reference standards which will be used for comparison against evidence samples in law enforcement cases.
\$42,575, *Federal Criminal Case*

TEXAS

BoatU.S. Foundation for Boating Safety and Clean Water

Clean Boating Online Course
Develop an online education course teaching boaters about ways to minimize the impacts of their boating activities on the environment.
\$25,000, *Federal Criminal Case*

Dickerson-Seely & Associates, Inc.

Lower Trinity River Floodplain Habitat Mitigation Fund
Provide appraisals on two tracts of land in Liberty County, Texas as part of an effort to assist in land acquisitions that benefit the fish and wildlife of the Lower Trinity River floodplain.
\$14,400, *Mitigation*

Friends of Anahuac Refuge

Anahuac National Wildlife Refuge Moist Soil Management
Increase the acreage of habitat available on Anahuac National Wildlife Refuge on an annual basis and provide increased acres of habitat this year for migrating/wintering shorebirds and waterfowl.
\$189,290, *Federal Criminal Case*

Marina Association of Texas (MAT)

Southern District of Texas MAROL Annex V & Marine Debris Education Train Texas fishermen and recreational boaters on revisions and compliance requirements to Annex V, and provide both reception facilities and compliance incentives.

\$45,000, *Federal Criminal Case*

Playa Lakes Joint Venture

Texas and Oklahoma Waterfowl Habitat Restoration Fund

Preserve, restore, and protect migratory waterfowl habitat in the Northern District of Texas and the District of Oklahoma.

\$78,200, *Federal Criminal Case*

Tom Smith

Columbia Bottoms (Austin Woods) Fund

Provide land acquisition services including review of acquisition plans, appraisal reviews, site visits, land negotiations, and other related services associated with land acquisition preservation efforts for the Columbia Bottomlands along the Texas Mid-Gulf Coast.

\$67,694, *Mitigation*

Suzette Chapman

Columbia Bottoms (Austin Woods) Fund

Provide grant writing services associated with land acquisition preservation efforts for the Columbia Bottomlands along the Texas Mid-Gulf Coast in Brazoria, Fort Bend, Matagorda and Wharton Counties, Texas.

\$6,400, *Mitigation*

UTAH**Robert Meddock**

State of Utah Agreement — Upper Colorado Fish Recovery Program Fund

Assist in the recovery of endangered fish on the Colorado River by assisting the Bureau of Reclamation with automating several fish screens on the Upper Colorado River.

\$268, *Mitigation*

Species Recovery Funds

State of Utah, Division of Wildlife Resources

Ferron Wildlife Habitat Fund

Improve deer and elk winter range and primary habitat for sagebrush by removing 272 acres of pinyon pine and juniper trees near Orangeville, Utah.

\$23,787, *Mitigation*

VIRGINIA**Virginia Polytechnic Institute**

Horseshoe Crab Trawl Survey for 2011

Conduct horseshoe crab trawl surveys in and near Delaware Bay. Relative abundance of demographic groups will be reported to federal and state marine resources management agencies.

\$199,999, *Federal Criminal Case*

Waters & Waters Construction

Great Dismal Swamp Fund

Assist in repair and rehabilitation of the Great Dismal Swamp National Wildlife Refuge, which was damaged by the South One Fire.

\$10,725, *Federal Civil Case*

WASHINGTON, D.C.**Association of Fish and Wildlife Agencies**

National Fish Habitat Action Plan

Development Fund

Support NFHAP data system development which involves the delivery of the online delivery mechanism for disseminating data and information reported in the Status of the Fish Habitats in the United States, assessment data refinements, and information related to project implementation.

\$10,000, *Voluntary Contribution*

Community Resources, Inc.

Capitol Hill Schools Stormwater Management

Design and implement low impact development practices at seven elementary and middle schools in the Capitol Hill community of Washington, D.C. Project will reduce pollution loads to the Anacostia River and educate students about the importance of managing stormwater.

\$100,000, *Federal Criminal Case*

WISCONSIN**International Crane Foundation**

Eastern Migratory Whooping Crane Fund

Support potential breeding habitat analysis of wetlands in Wisconsin for the purpose of identifying additional release sites and ongoing monitoring of released whooping cranes.

\$6,803, *Species Recovery Funds*

WYOMING**Robert Meddock**

State of Wyoming Agreement — Upper

Colorado Fish Recovery Program Fund

Assist in the recovery of endangered fish on the Colorado River by assisting the Bureau of Reclamation with automating several fish screens on the Upper Colorado River.

\$135, *Species Recovery Funds*

Wyoming Game and Fish Department

Green River Basin Trumpeter Swan

Summer Habitat Project

Complete two Trumpeter swan habitat wetland projects that were initially constructed in 2009.

\$39,100, *Federal Criminal Case*



NFWF

NATIONAL HEADQUARTERS

1133 Fifteenth Street, N.W.
Suite 1100
Washington, D.C. 20005
202-857-0166

WESTERN PARTNERSHIP OFFICE

421 SW 6th Avenue
Suite 950
Portland, OR 97204
503-417-8700

SOUTHWESTERN PARTNERSHIP OFFICE

90 New Montgomery Street
Suite 1010
San Francisco, CA 94105
415-778-0999

CENTRAL PARTNERSHIP OFFICE

8011 34th Avenue South
Suite 444
Bloomington, MN 55425
612-564-7284