



**NATIONAL FISH AND WILDLIFE FOUNDATION** 2010 Conservation Investments

**NATIONAL HEADQUARTERS**

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The National Fish and Wildlife Foundation (NFWF) protects and restores our nation's wildlife and habitats. Created by Congress in 1984, NFWF directs public conservation dollars to pressing environmental needs and matches those investments with private contributions. The Foundation works with individuals, foundations, government agencies, non-profits, and corporations to identify and address conservation challenges.

In FY2010, NFWF supported 417 projects in the United States and abroad for fish, wildlife and plant conservation. The Foundation leveraged \$40 million in federal funds for a total on-the-ground investment of \$179 million.

Through its Impact-Directed Environmental Accounts (IDEA), NFWF contractually obligated \$16.7 million to 147 additional conservation projects.

## UNITED STATES

### ALABAMA

**Alabama Conservation and Natural Resources Foundation, Inc.**  
Alabama Wetland Enhancement  
Manipulate habitat in five wetland areas of Alabama. Project will include establishment and retention of wetland areas for wetland/aquatic migratory birds.  
\$206,000

**Alabama Wildlife Federation**  
Migratory Bird Habitat Development in Coastal Alabama Counties  
Develop a projected minimum of 1,500 acres of migratory shorebird and waterfowl habitat on private lands in Baldwin and Mobile Counties in Alabama.  
\$368,500

**Botanic Gardens Conservation International (U.S.), Inc.**  
Ex Situ Conservation of Four Imperiled Oak Species  
Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols.  
\$15,000

**Freshwater Land Trust**  
Tapawingo Springs Wetlands Restoration  
Conduct riparian wetland habitat restoration of abandoned residential property. Project will focus on eradicating invasive species and re-establishing wetland hydrology and native species.  
\$14,980

**Freshwater Land Trust**  
Village Creek Trail and Restoration  
Construct and maintain a trail system along the Village Creek head waters. Project will include invasive plant removal, wetland enhancement, and bioswale construction.  
\$20,620

### Multiple Local Fishermen

Turtle Exclusion Devices for the Skimmer Trawl Fishery  
Produce and distribute, free of charge, Turtle Exclusion Devices to Skimmer Trawl Fishermen in the Gulf of Mexico. This incentive for voluntary conversion to turtle safe gear will reduce mortality of sea turtle populations.  
\$350,000

**National Wild Turkey Federation, Inc.**  
Longleaf Restoration Partnership – II  
Restore 8,305 acres of longleaf pine in its natural range on private and public lands in Georgia, Alabama, Mississippi and Florida. Project is part of a continued effort to help facilitate the restoration of longleaf pine across its native range in the Southeast.  
\$1,000,000

**U.S. Fish and Wildlife Service**  
Reforestation of Longleaf Pine at Eufaula National Wildlife Refuge  
Restore longleaf pine forest habitat on approximately 834 acres through site preparation, prescribed burning, and reforestation with containerized longleaf pine seedlings. Project will benefit migratory and resident avian species including northern bobwhite, brown-headed nuthatch, eastern wild turkey, and bachman's sparrow.  
\$78,000

**University of Tennessee**  
Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

### ALASKA

**Alaska Bird Observatory**  
Songbird Ecology in Shrub-Tundra Habitats of Central Alaska  
Gather baseline breeding information of the avian community using shrub-tundra habitat. Project will measure data in relation to climate-induced habitat change.  
\$74,933

**Alaska Department of Fish and Game**  
Reducing Conflicts Between Grizzly Bears and Oil Development – II  
Identify grizzly bear denning habitat, develop den detection methods, and study food conditioning mechanisms in order to reduce or eliminate conflicts between bears and North Slope oil development.  
\$113,400

**Alaska Department of Natural Resources**  
Canada Thistle Control  
Partner with the Anchorage Cooperative Weed Management Area to control Canada thistle infestations. Project will focus on eradicating the weed from a 35 acre area that supports moose, bear, dall sheep, salmon, and other valuable resources.  
\$85,000

**Bureau of Land Management**  
Arctic Beaded Stream Ecosystem Studies  
Study the form and function of stream ecosystems that are critical habitat for fish. Project will develop an effective long-term monitoring strategy.  
\$75,000

**Bureau of Land Management**  
Avian Habitat and Nesting Use in the Northeast National Petroleum Reserve  
Determine the habitat use and nesting patterns of tundra birds at two sites in the National Petroleum Reserve-Alaska and compare with similar data obtained from oilfields. Project will guide the Bureau of Land Management's management of these habitats.  
\$25,068

**Island Conservation**  
Monitoring Eradication Success and Recovery on Rat Island  
Monitor ecosystem recovery on Rat Island and confirm success of the 2008 rat eradication. Project will provide important data to understand the impacts of predator eradication.  
\$40,000

**Kawerak, Inc.**  
Ice Seal and Walrus  
Community Mapping

Document and map traditional knowledge of ice seals and walrus, including habitat and ecological information and subsistence use areas, in nine Bering Strait region communities.  
\$100,000

**LGL Alaska Research Associates, Inc.**  
Photo-Identification of Beluga  
Whales in Upper Cook Inlet - IV

Use photo-identification to assess and monitor individual and population characteristics of Cook Inlet beluga whales, which have been listed under the Endangered Species Act.  
\$300,000

**North Slope Borough**

Satellite Tracking of  
Eastern Chukchi Sea Beluga Whales  
Satellite track eastern Chukchi Sea beluga whales to better understand distribution, habitat use, population size, and impacts from anthropogenic sounds.  
\$42,500

**Nushagak-Mulchatna/  
Wood-Tikchik Land Trust**  
Nushagak River Native Lands and  
Salmon Habitat Protection

Purchase Alaska Native allotment parcels on the Nushagak River identified as high priority acquisitions to protect salmon habitat.  
\$56,000

**Origin Institute**

Outdoor Education and Guide  
Training for Rural Alaskans  
Train and mentor youth from rural communities in developing the skills needed to become professional wilderness guides and outdoor educators. Project will provide training in the skills required by guide services and other organizations for wilderness leaders, including technical skills, safety awareness, and first aid.  
\$10,000

**Seward Association for the  
Advancement of Marine Science**  
Pacific Walrus Haulout Attendance  
and Disturbance

Monitor historic and newly established walrus terrestrial haulout sites to record walrus attendance, duration, and level of disturbance and provide baseline site specific animal counts.  
\$69,263

**The Great Land Trust, Inc.**  
Campbell Creek Estuary Conservation

Preserve Campbell Creek Estuary in Anchorage, Alaska to protect critical estuarine habitat for all five species of North Pacific Salmon and the federally endangered population of the Beluga Whale.  
\$100,000

**The Nature Conservancy**

Bristol Bay Anadromous Waters  
Protection - II  
Secure legal protections for salmon and collect baseline water quality and flow data in Bristol Bay watersheds threatened by planned mineral development.  
\$100,000

**Trout Unlimited, Inc.**  
Improving Escapement Management  
for Salmon Recovery

Develop a model approach for establishing science-based Pacific salmon and steelhead escapement goals, which are essential to sound fishery management and the success of restoration efforts.  
\$59,960

**U.S. Fish and Wildlife Service**  
Traditional Knowledge and Satellite  
Tracking of Polar Bears in the  
Chukchi Sea

Collect telemetry data and Native knowledge on the distribution, habitat use, and ecology of polar bears in the Chukchi Sea to inform mitigation plans, and critical habitat and harvest management.  
\$74,972

**U.S. Fish and Wildlife Service**  
Steller's Eider Conservation - III

Conserve Steller's eiders through research, monitoring, and community outreach. The data collected will

facilitate the development of new, and evaluation of existing, management strategies.  
\$84,250

**USDA Forest Service**  
Coastal Cutthroat Trout Assessment

Develop science-based tools to assist state, federal, and tribal agencies assess the status of coastal cutthroat trout. Project will help agencies prioritize on the ground actions.  
\$50,250

**ARIZONA**

**Altar Valley Conservation Alliance**  
Altar Valley Fire Management for  
Grassland Restoration

Hire two certified Burn Plan consultants and a Fire Management Coordinator to research and implement five Burn Plans in three years and to coordinate long-term collaborative fire planning in Altar Valley.  
\$150,000

**Arizona Game and Fish Department**  
Apache Trout Initiative - II

Expand, connect, and improve Apache trout habitat. Project will increase trout abundance, maintain genetic diversity within populations, and promote resiliency of populations to climate change.  
\$515,260

**Arizona Game and Fish Department**  
Black-Tailed Prairie Dog Restoration  
and Monitoring

Reestablish and restore black-tailed prairie dogs in Sky Island grasslands of southeastern Arizona. Project will monitor, maintain, and enhance grasslands habitats by reestablishing this species.  
\$71,511

**Bureau of Land Management**  
Aravaipa Ecosystem Grassland  
Restoration

Enhance and restore 7,357 acres of historic grasslands with prescribed fire and erosion control measures.  
\$115,085

**Cienega Watershed Partnership**  
Restoring Leopard Frogs and  
Habitat in Sky Island Grasslands

Restore populations and habitat of imperiled frogs and fish in creeks and ponds on public and private lands in the Cienega Watershed, and eliminate exotic species that threaten aquatics.  
\$390,500

**Ecosystem Economics, LLC**  
Sustainable Water Management  
in Arizona

Develop the rationale and integrated framework to design and implement market-oriented strategies and capacities for achieving freshwater conservation and sustainable water management outcomes in Arizona and the Lower Colorado River.  
\$66,924

**Freedom to Roam**

Wildlife Corridor Communications  
and Marketing  
Build broad constituencies for wildlife corridors through far-reaching marketing strategies and increased communications capacity.  
\$40,000

**Friends of KOFA National  
Wildlife Refuge**

On-Site Learning for Children at  
Kofa National Wildlife Refuge  
Engage area children with a junior birding program, an insect rally, a special needs rally, and an orienteering rally. Project will promote the benefits of the local refuges to the community through these public events.  
\$5,000

**Paula and Cabot Sedgwick  
Family Foundation**

Santa Fe Ranch Bird Sanctuary  
and Nature Trail  
Teach students about birds and their habitat by bringing students to the Buenos Aires National Wildlife Refuge. Students will help build a sanctuary using best practices learned from the Refuge.  
\$9,974

**ARKANSAS**

**Arkansas Game and Fish Commission**  
Table Rock Lake and Tributary  
Habitat Improvement - III

Continue to improve and restore fish habitat in southern reaches of Table Rock Lake. Project will add fish habitat structures designed to increase spawning and nursery habitats, particularly focused on bass populations.  
\$150,000

**Botanic Gardens Conservation  
International (U.S.), Inc.**

Ex Situ Conservation of  
Four Imperiled Oak Species  
Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols.  
\$15,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**CALIFORNIA**

**American Land Conservancy**  
Cow Creek Chinook Habitat  
Planning and Protection

Draft a plan to improve irrigation efficiency to benefit habitat for spring-run Chinook and steelhead trout, and protect 5,975 acres and 6.33 miles of stream channel in Cow Creek Watershed.  
\$60,000

**American Rivers, Inc.**  
Evaluating and Prioritizing Meadow  
Restoration in the Sierra

Promote Sierra meadow restoration via health assessments, prioritization of restoration efforts, analysis of restoration methods, and through standard data collection and reporting.  
\$157,000

**Amy Scarpignato**

Study of Breeding Common Ravens in  
Redwood National and State Parks  
Conduct field studies and research to increase understanding of common raven space and habitat use to assist implementation of management changes for enhanced nesting success of Marbled Murrelets.  
\$2,000

**Amy Teeters**

Widow White Creek Watershed  
Work with agencies and landowners to implement riparian habitat restoration for improved native fish habitat and watershed conditions of an urban watershed in Humboldt County.  
\$1,000

**Anthony Zuniga**

Studies in Natural Resources Forestry  
Support for an Associate Degree in Forestry in fall 2010.  
\$500

**Bolsa Chica Conservancy**

Salt Marsh Education and Restoration  
Implement wetland science education and habitat restoration at the Bolsa Chica Wetlands. Project will engage youth and the general public in removing invasive plants and planting of native vegetation.  
\$25,000

**Bureau of Land Management -  
Bishop Field Office**

Fish Slough Area of Critical  
Environmental Concern Weed  
Control and Spring Restoration  
Work to restore Fish Slough, a rare desert wetland system that contains isolated stands of perennial pepperweed. Project will identify and treat weed infestations, implement wetland restoration tasks such as design and construction of a spring enclosure, and propagation and outplanting of native riparian and alkali meadow species.  
\$25,000

**California Department of Parks and Recreation**

**California Marine Protected Area Interpretive Panel Design and Installation**

Design and install interpretive panels and regulatory signage for newly established Marine Protected Areas offshore from California State Park units.  
\$20,325

**California Invasive Plant Council**  
**Invasive Plant Risk Mapping in the Sierra Nevada**

Implement an Early Detection Rapid Response program in the Sierra Nevada. Project will produce regional maps for thirty high-priority invasive plant species, overlays showing climatic suitability for each species, watch lists for each county prioritizing the species for detection efforts, and an overall strategic plan for the region.  
\$57,829

**California Native Plant Society**  
**Rare Plant Surveys on Bureau of Land Management Lands**

Update rare plant and vegetation data on Bureau of Land Management lands using trained volunteers. Project will provide data to land managers to help inform decisions.  
\$65,000

**Center for Ecosystem Management and Restoration**  
**Russian River Coho Salmon Partnership**

Pair scientific and legal strategies with outreach and on-the-ground projects to reduce water diversions in spring and summer, improving coho habitat and viability in the Russian River basin.  
\$696,358

**City of East Palo Alto**  
**Coolley Landing Restoration and Education**

Restore nine acres of upland habitat for endangered clapper rail and salt marsh harvest mouse. Project will create a new passive recreation park and environmental and history education center.  
\$40,000

**Claire Stone**

Studies in the Biological Sciences  
Support for undergraduate course work with a focus on the biological sciences and the use of plants in natural medicine.  
\$500

**Coevolution Institute**

**Pollinator Field Guide, Posters, Book, and Monitoring Protocol**  
Develop and distribute to government employees and the public information about bumblebees on public lands. Project will also develop a monitoring protocol and identification scheme for bumblebees.  
\$65,000

**EarthTeam**

**Sausal Creek Eco-Stewards**  
Provide teens with classroom and field experiences in restoration activities at local watersheds. Project will help students discover how their collective actions can improve the health of these sites.  
\$40,000

**Environmental Defense Fund, Inc.**  
**Sierra-Wide Solutions for Private Meadow Restoration**  
Work with private ranchers to alleviate barriers to Sierra meadow restoration, and design restoration and monitoring templates for Sierra-wide use.  
\$218,575

**Feather River Land Trust**  
**Learning Landscapes Restoration, Upper Feather River**  
Train 15 K-12 teachers in meadow and riparian restoration. Each teacher will plan and implement a restoration project, engaging 840 students on seven outdoor classroom sites in the Upper Feather River.  
\$25,000

**Friends of California Condors Wild and Free**  
**Outreach and Education Program on Hopper Mountain National Wildlife Refuge**  
Educate the community about the California condor recovery work taking place on Hopper Mountain National Wildlife Refuge. Project will include educational volunteer

nest watching outings and micro-trash cleanup trips.  
\$3,210

**Friends of Deer Creek**  
**Legacy Sediments and the Next Generation**

Restore a floodplain and link school children to river restoration and cultural history. Project will explore the nexus between mining, culture, and the environment.  
\$22,180

**Friends of the Dunes**  
**Coastal Habitats Education and Stewardship**

Develop new program options for schools at the northern dunes units of the Humboldt Bay National Wildlife Refuge. Potential projects include using salt marsh, beach and dune environments as outdoor classrooms, hands-on experiential learning opportunities and habitat restoration activities.  
\$9,923

**Friends of the Los Angeles River**  
**River School Days Outdoor Education Festival and Cleanup**  
Host a half-day event for 4th-12th grade students. The festival will include a river cleanup with hands-on watershed education activities.  
\$25,000

**Golden Gate Audubon Society, Inc.**  
**Golden Gate Audubon Eco-Education Programs**  
Provide a year-round, hands-on, bi-lingual, environmental education program for inner-city youth and families in East Oakland and North Richmond. Project will benefit the California clapper rail.  
\$25,000

**Golden Gate Audubon Society, Inc.**  
**Alameda Environmental Education Program**  
Enhance wildlife habitat and protection efforts of the proposed Alameda National Wildlife Refuge. Project will strengthen elementary school-based programs on the refuge and produce teaching tools focused on the endangered California least tern population.  
\$5,000

**Golden Gate National Parks Conservancy**  
**Presidio Nursery Seed Lab**

Replace a condemned warehouse with a new, subdivided modular classroom-type building. The new building will contain the Seed Lab for propagation, native seed processing, storage, and treatment.  
\$25,000

**Golden Gate National Parks Conservancy**  
**Presidio Coastal Bluffs Restoration and Community Engagement**

Conduct restoration activities along the Presidio's coastal bluffs within Oceanside watershed, at the mouth of the San Francisco's Golden Gate. Project will help educate and involve the community and improve habitat.  
\$40,000

**Karuk Tribe of California**  
**Seiad Creek Channel Restoration**  
Remove push-up levees along Seiad Creek and restore natural channel function while improving habitat for ESA listed coho salmon.  
\$30,000

**Kristin Brzeski**  
**Understanding River Otter Demographics and Ecology**

Examine sociality, movement, and abundance of North American river otters in Humboldt Bay, California and establish baseline data and protocol for future comparisons.  
\$2,000

**Marine Conservation Biology Institute**  
**Marine Protected Area Management Plan for Pacific Remote Islands Marine National Monument**

Develop a strong ecosystem-based management plan and assess law enforcement needs for the Pacific Remote Islands Marine National Monument by facilitating meetings and workshops with scientists and government officials.  
\$50,000

**Mid-peninsula Regional Open Space District**  
**Pond Restoration and Education**

Repair a failing earthen berm and prevent erosion and downstream sedimentation to a fish bearing creek. Project will improve California red-legged frog habitat and remove invasive plant species.  
\$40,000

**National Audubon Society, Inc.**  
**Audubon Bobcat Ranch Oak Woodland Corridor - III**  
Create an ecological connection between the Dry Creek tributaries and the main channel of Putah Creek in Yolo County. Project will create a wild-way managed by landowners.  
\$40,000

**National Park Service**  
**Desert Tortoise Information and Outreach - III**  
Continue efforts to improve the survivability of the threatened desert tortoise across its range in California. Project will conduct outreach and education through wayside and traveling exhibits, teacher workshops, activities that engage young people, and podcasts, public service announcements, and printed materials.  
\$125,014

**Pit Resource Conservation District**  
**Lower Ash Creek Meadow Restoration**  
Reconnect the lower portion of Ash Creek within the Ash Creek Wildlife Area to its historic floodplain. The meadow component of this project encompasses approximately 3,500 acres.  
\$100,000

**Plumas Corporation**  
**Last Chance Creek Watershed Restoration - II**  
Restore eight miles of mainstem channel using the pond and plug technique to reconnect the channel with its naturally-evolved 800 acre floodplain as well as provide outreach and technical assistance.  
\$800,000

**River Partners**  
**Lower Calaveras Demonstration Native Grass Planting**

Engage the community in the installation of three acres of native grasses along the Calaveras River. Project will involve Central Valley residents in river restoration in downtown Stockton.  
\$40,000

**River Partners**  
**Panorama Vista Riparian Restoration and Education**  
Create a community education and riparian habitat restoration project on the Kern River. Project will be held at the Panorama Vista Preserve, the only outdoor education venue in the under-served city of Bakersfield.  
\$40,000

**Sotoyome Resource Conservation District**  
**Cresta Riparian Habitat Enhancement and Education**  
Enhance 0.4 acre of riparian habitat for threatened and endangered salmon in the Russian River watershed of Northern California. Project will involve local residents and high school students.  
\$20,000

**The Bay Institute of San Francisco, Inc.**  
**Sonoma Baylands Environmental Science and Restoration**  
Educate 250 students on restoration science and conduct professionally-designed wetland restoration with students and their teachers.  
\$39,999

**The Institute for Bird Populations**  
**Standardizing Bird Surveys at Meadow Restoration Sites**  
Develop and disseminate a standardized bird survey protocol for Sierra meadows, and conduct pre-restoration surveys at approximately 20 high-priority project sites and 20 paired control sites.  
\$92,822

**The Nature Conservancy**

Shasta Big Springs Ranch Acquisition  
Acquire the 4,136-acre Shasta Big Springs Ranch. The Shasta Big Springs Ranch includes nearly six miles of anadromous fish streams.  
\$750,000

**The Pacific Forest Trust**

Jamison Ranch Conservation Easement  
Acquire a conservation easement over one of the highest-priority ranches for conservation in California's Sierra Valley. The Jamison Ranch, consisting of ten legal parcels totaling 2,416 acres, is 95% mapped wetlands and is surrounded by conserved land.  
\$1,000,000

**The Regents of the University of California**

Assessment of Restoration Actions in Big Springs Creek

Determine efficacy of passive and active restoration on hydrologic/ water quality parameters and food web ecology (including anadromous fish) in Big Springs Creek and downstream Shasta River reaches.  
\$130,000

**The Sierra Fund**

Bear Valley Meadow Restoration  
Restore both the cultural and ecological integrity of this critical Sierra system in the context of climate change.  
\$75,000

**Trout Unlimited, Inc.**

Meadow Restoration to Sustain Stream Flows and Native Trout

Identify priority meadow restoration sites and restoration techniques that are most effective for trout. Project will also identify cost-effective monitoring protocols to evaluate the success of meadow restoration for trout.  
\$125,000

**Trout Unlimited, Inc.**

Improving Escapement Management for Salmon Recovery

Develop a model approach for establishing science-based Pacific salmon and steelhead escapement goals, which are essential to sound fishery management and the success of restoration efforts.  
\$59,960

**Trout Unlimited, Inc.**

Securing Key Lahontan Cutthroat Trout Watersheds

Develop a strategy for restoring interconnected stream and lake systems while managing threats from non-native species to ensure resilience of Lahontan cutthroat trout populations during rapid climate change.  
\$47,303

**Tuolumne River Preservation Trust**

Supporting the Tuolumne River Preservation Trust  
Support the work of the Tuolumne River Preservation Trust.  
\$5,000

**U.S. Forest Service Sierra Nevada Research Center**

Vulnerability Assessment of California Golden Trout

Evaluate the vulnerability of California Golden Trout habitat to increased water temperatures associated with climate change.  
\$49,990

**U.S. Geological Survey**

Conserving and Enhancing San Francisco Bay Scoter Habitats

Identify and promote conservation of critical foraging areas for sea ducks in the highly urbanized San Francisco Bay. Project will document the importance of restoring eelgrass beds.  
\$189,270

**University of California — Davis**

Hydrological Vulnerability of Sierra Nevada Montane Meadows

Analyze the hydrologic vulnerability of montane meadows of the west-slope Sierra Nevada using a rainfall runoff model with climate warming scenarios.  
\$78,038

**USDA Forest Service**

Coastal Cutthroat Trout Assessment

Develop science-based tools to assist state, federal, and tribal agencies assess the status of coastal cutthroat trout. Project will help agencies prioritize on the ground actions.  
\$50,250

**COLORADO****Chicago Horticultural Society**

Testing Restoration Effectiveness Under a Changing Climate

Evaluate genetic, functional, plant community, and pollinator outcomes of degraded and restored habitats under expected climate change.  
\$45,000

**Colorado Trout Unlimited**

Parachute Creek Cutthroat Restoration

Construct a barrier to allow restoration of three stream miles for Colorado River cutthroat trout. Project will involve planting, fencing, volunteer education, and habitat improvement to protect and enhance existing occupied habitat.  
\$20,000

**Friends of the Front Range Wildlife Refuges**

Educational Summer Camp at the Rocky Mountain Arsenal National Wildlife Refuge

Provide scholarships for 100 under-served public school students from greater Denver communities to attend a Refuge-based, environmental education summer day camp. The outdoor camp will provide inner-city youth with an integrated opportunity to learn about and appreciate the ecology of prairie and wetlands, engage in environmental stewardship projects and recreate in nature.  
\$10,000

**Painted Sky Resource Conservation and Development (RC&D) Council, Inc.**

Improving Habitat and Safety at the Hartland Diversion Dam

Design and construct a fish passage modification to an existing irrigation dam. Project will eliminate the last major remaining impediment to migration of three native Colorado species of concern in the lower Gunnison River.  
\$110,001

**Rocky Mountain Bird Observatory**

Enhancing Lesser Prairie-Chicken Habitat in Colorado

Raise awareness and implement habitat enhancement projects on private lands in Colorado to benefit

the Lesser Prairie-chicken. Project will reach a minimum of 50 private landowners and enhance over 10,000 acres.  
\$150,000

**State of Colorado**

Gunnison Sage Grouse Conservation Implementation

Work towards the protection and enhancement of habitat for the Gunnison sage grouse. Project will involve high-priority research and trap and transplant operations.  
\$400,140

**The Nature Conservancy**

Colorado Plant Conservation Strategy Implementation-II

The Nature Conservancy and partners will implement priority actions from the 2009 Rare Plant Conservation Strategy emphasizing climate change impacts, adaptation, and protection of imperiled plants.  
\$90,000

**Trout Unlimited, Inc.**

South Fork Little Snake River Riparian Fencing

Restore stream habitat along 1.5 miles of Colorado River cutthroat trout and mountain sucker habitat. Project will install fencing along both sides to eliminate impacts from cattle.  
\$56,000

**U.S. Forest Service**

Trout Creek Fish Barrier for Cutthroat Trout

Construct a fish barrier to protect Colorado River cutthroat trout from an imminent threat from whirling disease.  
\$60,000

**Uncompahgre/ Com, Inc.**

Uncompahgre Plateau North Rim Weed Management and Treatment

Develop and implement a North Rim Landscape Collaborative Weed Management Plan and Treatment Program, including both public and private land, encompassing approximately 220,679 acres. Project will improve wildlife habitat for the Gunnison sage grouse, facilitate a better understanding of weed invasion and resource impacts, and develop and implement best management

practices for early detection and prevention of non-native species.  
\$28,175

**CONNECTICUT****Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Norwalk Seaport Association, Inc.**

Norwalk Islands, Long Island Sound Nature of Learning

Initiate the Nature of Learning framework at the Stewart B. McKinney National Wildlife Refuge, Norwalk Islands unit with 25 fourth grade students. Project will include two field trips to the refuge and a bird watching cruise around the Norwalk Islands.  
\$8,260

**Wildlife Management Institute**

Recovery of Eastern Shrubland-Dependent Birds - II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**DELAWARE****Delaware Department of Natural Resources**

Red Knot Roost Habitat Management Plan and Implementation

Develop and implement an adaptive resource management plan for coastal impoundments in Delaware to improve roosting opportunities for Red Knots.  
\$36,460

**Delaware Department of Natural Resources**

Monitoring and Managing American Oystercatchers

Conduct oystercatcher surveys and monitor nests to determine productivity. Key nest sites will be protected, with landowner's permission, by signage or fencing.  
\$25,000

**Delaware State University**

Improving Golf Course Habitats to Facilitate Bat Conservation  
Determine what specific habitat features attract bats on a sample of golf courses in the Delmarva Peninsula portion of Maryland and Delaware, using results to guide management by superintendents. Project will examine the effects of tree-lined corridors and ponds, among other landscape features, in providing foraging opportunities for bats, which consume large numbers of pest insects.  
\$59,934

**Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**The Nature Conservancy**

Delaware River Basin Riverine and Wetland Areas Prioritization

Prepare a conservation plan prioritizing places for riverine and wetland protection and restoration across the four-state Delaware River Basin watersheds. This project will improve understanding about those places and strategic opportunities that address multiple threats and are most in need of conservation action or promise the greatest conservation return in the Basin Watersheds.  
\$75,544

**University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**Water Stewardship, Inc.****Nutrient Load Estimator (NLE)**

Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool. \$93,629

**Wildlife Management Institute****Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**DISTRICT OF COLUMBIA****Alice Ferguson Foundation****Trash-Free Potomac Watershed Initiative**

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys. \$75,000

**Center City Public Charter Schools, Inc.****Center City Public Charter Schoolyard Greening**

Partner with the District Department of the Environment to create a conservation site at Center City's Trinidad campus. Project will serve as a model conservation site. \$50,000

**Center for Urban Environmental Research and Education****Restoring Hydrologic Function in the Urban Landscape**

Advance the use of subsoiling, soil amendment practices, and pervious concrete to reduce urban runoff and restore infiltration in highly disturbed soils. Project will demonstrate design and implementation, perform consistent monitoring, and conduct targeted outreach, education, and technology transfer to regulatory, management, and practitioner communities throughout the Bay watershed. \$450,000

**Forest Trends Association****Payment for Ecosystem Services to Finance Marine Protected Areas**

Develop a demonstration project testing the applicability of marine payment for ecosystem services in San Andres Archipelago as a sustainable financing mechanism for Marine Protected Area management. \$50,000

**Friends of the John Smith Chesapeake Trail****Chesapeake Treasured Landscape Initiative (CTLI)**

Build and strengthen a lasting partnership of federal, state, local and private organizations to expand and fully leverage funding appropriate to the region's circumstances and conservation needs. Project will target grant funds to lands that are part of a regional conservation strategy and defined as ecologically and culturally significant; leverage funding with private and other public funds so that public resources are maximized; partner with federal, state and local agencies, non-profit groups and businesses to ensure cooperative conservation of these landscapes; and, promote public engagement and enjoyment of natural and cultural assets of the Chesapeake. \$20,000

**Marine Conservation Biology Institute****Marine Protected Area Management Plan for Pacific Remote Islands Marine National Monument**

Develop a strong ecosystem-based management plan and assess law

enforcement needs for the Pacific Remote Islands Marine National Monument by facilitating meetings and workshops with scientists and government officials. \$50,000

**National Wildlife Federation****Chesapeake Bay Choose Clean Water Conference**

Support for the first annual Choose Clean Water Chesapeake Bay restoration conference. The conference will bring together the larger Chesapeake Bay community including leaders of non-governmental organizations, the philanthropic community, green industry, as well as elected officials, and federal and state partners in three days of discussion to explore the best strategies to restore the hundreds of streams and rivers that flow into the Chesapeake Bay. \$20,000

**The Ocean Foundation Marine Ecosystem Service Values Partnership**

Develop a publicly available database of coral reef economic valuation studies from around the world and a facilitated community of practice for data producers and users. \$14,850

**The Outdoor Foundation****Birding Optics/ Backpack Loan Program**

Loan backpacks to visitors to the National Wildlife Refuge System for use on trails, boardwalks and other viewing areas. The project will help birders appreciate the importance of refuges in the lives of their favorite wildlife species and strengthen quality wildlife-dependent recreation on refuges. \$10,460

**Theodore Roosevelt Conservation Partnership Public Education on Energy Development in the West**

Restore a multiple-use management commitment to energy policy that allows a responsible and balanced approach to development and minimizes harm to fish and wildlife. \$50,000

**Water Stewardship, Inc.****Nutrient Load Estimator (NLE)**

Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool. \$93,629

**World Resources Institute****Reefs at Risk Revisited - II**

Work with partners to conduct a global, map-based analysis of threats to the world's coral reefs called Reefs at Risk Revisited. Project will examine human pressures on coral reefs, implications for reef condition, and projections of associated socioeconomic impacts in coastal communities. \$27,000

**FLORIDA****Apalachee Audubon Society St. Marks Pollinator Gardens**

Create two butterfly gardens with interpretive displays describing the environmental importance of pollinators. Youth volunteers from high schools will plant native host and nectar plants to enhance over 2,675 square feet of habitat on the refuge. \$4,941

**Botanic Gardens Conservation International (U.S.), Inc.****Ex Situ Conservation of Four Imperiled Oak Species**

Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols. \$15,000

**Sea Turtle Conservancy****Maximizing Turtle Nesting Success and Increasing Rehabilitation**

Reduce predation and disorientation on Florida nesting beaches, and expand capacity at rehabilitation facilities. Project will enact predator controls, private lighting replacements, and rehabilitation expansion around Florida. \$1,574,154

**Escambia County****Sea Turtle Habitat Light Pollution Reduction**

Reduce the impacts of artificial lighting on loggerhead sea turtle nesting habitat on Santa Rosa Island in the Florida Panhandle. Core problem areas will be targeted around Pensacola Beach, covering a total of 3.25 miles of linear beach. \$50,000

**Florida Department of Environmental Protection Oyster Restoration in the Pensacola Bay System**

Restore 12 acres of oyster reef habitat along two miles of shoreline in the Pensacola Bay System in Florida. Project also will benefit an additional 10 acres of oyster habitat adjacent to the site and will help reduce shoreline erosion. \$70,000

**Florida Park Service****Shorebird Management in Florida Panhandle State Parks**

Implement priority management actions for the conservation of shorebirds and seabirds including the expansion of existing monitoring, predator control, and educational programs at five Florida Panhandle coastal state parks. Project will provide long-term protection of shorebirds and seabirds and their habitat. \$72,704

**Florida Wildlife Federation, Inc. Migratory Bird Habitat Development in Coastal Florida Counties**

Develop at least 1,000 acres of migratory shorebird and waterfowl habitat on private lands in northwest Florida. \$88,500

**Friends of Rookery Bay, Inc.****Developing a Regional Plan for Marine Protected Areas in the Southeast**

Develop a regional Marine Protected Area plan and a functional network within coastal states of the Gulf of Mexico and Southeast region. Plan will highlight priority actions and common interests. \$35,000

**Manomet, Inc.****American Oystercatcher Recovery**

Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance. \$241,274

**Manomet, Inc.****Recovering Rufa Red Knots**

Employ science-driven, site-based conservation and rigorous success measures to recover the populations of the Rufa subspecies of Red Knots. \$314,713

**Merritt Island Wildlife Association Student Research at Merritt Island Refuge - II**

Teach the basics of scientific field research to 950 high school students by monitoring changes in vegetation, hydrology and wildlife on Merritt Island National Wildlife Refuge. Students will develop interactive workshops about their field data and present them to approximately 600 students at James Madison Middle School during science days. \$4,914

**Multiple Local Fishermen****Turtle Exclusion Devices for the Flynet Fishery**

Turtle Exclusion Devices will be produced and made available free of charge to Flynet Fishermen along the southeastern U.S. This incentive for voluntary conversion to turtle safe gear will reduce mortality of migrating sea turtle populations. \$110,000

**Multiple Organizations**

Cold Stunned Turtle Rehabilitation in the Southeast U.S.

Defray costs for rescue facilities that cared for turtles affected by a massive cold-stunning event in the southeastern U.S. in January 2010. \$56,000

**National Audubon Society, Inc.**  
Deepwater Horizon Response: Florida Beach Bird Stewardship

Use volunteer bird stewards to protect Florida shorebirds and seabirds from disturbance, and to assist with monitoring and management of coastal habitat. \$117,852

**National Park Service**

Sea Turtle Nest Protection and Habitat Restoration

Improve nesting sea turtle success through habitat restoration and predator control activities. \$80,000

**National Wild Turkey Federation, Inc.**

Longleaf Restoration Partnership - II Restore 8,305 acres of longleaf pine in its natural range on private and public lands in Georgia, Alabama, Mississippi and Florida. Project is part of a continued effort to help facilitate the restoration of longleaf pine across its native range in the Southeast. \$1,000,000

**Suncoast Seabird Sanctuary, Inc.**  
Response & Critical Care Capacity/ Injured Sea Birds

Provide for the rescue, recovery and/or release of injured, malnourished or oiled birds on the west coast of Florida. \$250,000

**The Conservancy of Southwest Florida**  
Structure and Diversity of Fish, Frog, and Invertebrate Assemblages in Golf Course Ponds

Assess the structure and diversity of fish, frog, and invertebrate assemblages in ten golf course ponds in southwest Florida. Data from two ponds of different age and configuration from each of five golf courses will be

compared to determine viability of golf course ponds as refuges for these populations.

\$44,802

**U.S. Fish and Wildlife Service**

Atlantic Coast Sea Turtle Recovery Increase sea turtle nesting and hatching success along Florida's Atlantic Coast. Project will include predator control, habitat improvement, and education and outreach. \$220,000

**University of Florida, Archie Carr Center**

Distribution and Resource Use by Loggerheads in Florida

Assess distribution and resource use by loggerheads in Florida through stable isotope signatures to identify hot spots where Marine Protected Areas or time/area closures can be established. \$10,000

**University of Tennessee**

Eastern Grassland Bird Initiative Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Wildlife Foundation of Florida**

Tallahassee Area Lakes Waterfowl Habitat Creation

Create useable habitat for migrating and wintering waterfowl on Tallahassee-area lakes. Habitat will be created using herbicides and mechanical vegetation shredding. \$299,825

**Wildlife Foundation of Florida**

Reduce Hatchling Disorientation on Priority Beaches

Coordinate lighting fixture replacement on public lands that boarder priority sea turtle nesting beaches. Safer lighting fixtures will reduce hatchling mortality. \$500,000

**GEORGIA****Botanic Gardens Conservation International (U.S.), Inc.**

Ex Situ Conservation of Four Imperiled Oak Species Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols. \$15,000

**Ducks Unlimited, Inc.**

Arrowhead Environmental Education Center Wetland Enhancement

Enhance a 7-acre wetland that will be managed for waterfowl while providing long-term outdoor education. Partners will plant trees in a riparian area, restoring function to streams. \$39,998

**Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers. \$310,902

**Friends of Rookery Bay, Inc.**

Developing a Regional Plan for Marine Protected Areas in the Southeast

Develop a regional Marine Protected Area plan and a functional network within coastal states of the Gulf of Mexico and Southeast region. Plan will highlight priority actions and common interests. \$35,000

**Manomet, Inc.**

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**Multiple Organizations**

Cold Stunned Turtle Rehabilitation in the Southeast U.S.

Defray costs for rescue facilities that cared for turtles affected by a massive cold-stunning event in the southeastern U.S. in January 2010. \$56,000

**National Wild Turkey Federation, Inc.**

Red-cockaded Woodpecker Habitat Enhancement - II

Accelerate recovery of Red-cockaded Woodpecker (RCW) populations through wildlife corridors and enhance approximately 10,000 acres through prescribed burning and mid-story removal. \$69,125

**National Wild Turkey Federation, Inc.**

Longleaf Restoration Partnership - II

Restore 8,305 acres of longleaf pine in its natural range on private and public lands in Georgia, Alabama, Mississippi and Florida. Project is part of a continued effort to help facilitate the restoration of longleaf pine across its native range in the Southeast. \$1,000,000

**Piedmont Park Conservancy, Inc.**

Wetland Restoration in Piedmont Park

Restore a 3.4 acre wetland, including unearthing six streams that comprise headwaters of Clear Creek. Project will create a rare wetland habitat in the center of the City of Atlanta. \$40,000

**Quality Deer Management Association**  
REACH Program

Support Quality Deer Management Association's REACH Program. \$5,000

**St. Catherines Island Foundation, Inc.**

Alleviating Predator and Tidal Stress on American Oystercatcher

Determine if artificially incubating American Oystercatcher eggs is a practical and effective management tool for increasing hatching and fledging success. Project will evaluate the hatching and fledging success of manipulated versus natural nests, learn the return on investment of such a management technique and its applicability in other locations, and increase annual fecundity of local populations of American Oystercatcher over the short-term while long-term habitat solutions are being resolved. \$77,625

**Trees Atlanta, Inc.**

Trees Atlanta and BeltLine Clear Creek Restoration

Restore and stabilize 400 feet of Clear Creek by removing invasive plants and planting of native species. Partnership efforts will demonstrate standards for restoration in the BeltLine Arboretum. \$35,000

**University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**HAWAII****American Bird Conservancy**

Saving Hawaii's Imperiled Forest Birds - II

Coordinate with partners to implement projects and attract new public and private support for Hawaiian bird conservation as part of a long-term initiative to save Hawaii's threatened native birds. \$194,471

**American Bird Conservancy**

Science Support for the Hawaiian Forest Birds Keystone

Provide program-wide coordination and implementation for the Hawaiian Forest Bird Keystone Initiative.

Purchase fence materials for Maui Parrotbill trial restoration area. \$111,849

**Conservation Council for Hawaii**  
Control of Incipient Invasive Species on Oahu

Work to prevent, contain, and eradicate the most serious incipient invasive plant species threatening the island of Oahu, on both public and private lands. \$89,351

**Garden Island Resource Conservation and Development, Inc.**  
Invasive Species Control on Northwest Kauai

Remove invasive species from 80 acres of native watershed on northwest Kauai. Project will help preserve one of the largest contiguous tracts of intact native montane wet forest and bog communities. \$43,000

**Marine Conservation Biology Institute**  
Marine Protected Area Management Plan for Pacific Remote Islands Marine National Monument

Develop a strong ecosystem-based management plan and assess law enforcement needs for the Pacific Remote Islands Marine National Monument by facilitating meetings and workshops with scientists and government officials. \$50,000

**Maui Nui Marine Resources Council**  
Coral Reef Recovery Team for Maui, Hawaii

Establish a Coral Reef Recovery Team for Maui, Hawaii to provide local, science-based solutions for coral reef protection and recovery. \$50,000

**Napili Bay and Beach Foundation, Inc.**  
Storm Runoff Remediation in Napili Bay

Decrease or eliminate storm runoff events from Napili basin 4-5 in Maui. Project will install a functional outlet drain, rain garden, and educational signage about stream and reef care. \$18,000

**The Nature Conservancy**

Strengthening Marine Protections in Puako, Hawaii Island

Coordinate collaboration among federal, state, and non-government agencies and community members to identify and prioritize management actions to conserve marine resources in Puako, Hawaii.  
\$44,280

**The Regents of the University of California**

Generation of Acoustical Tags for Use in Observing False Killer Whales in the Hawaii Longline Fishery

Fabricate autonomous acoustic recorders to observe commercial longline gear for interactions with false killer whales and identify sounds of gear setting, soaking, and hauling potentially correlated with cetacean interaction.  
\$90,100

**IDAHO****American Wildlands**

Conserving Critical Wildlife Corridors in Northwest Montana and Idaho

Conserve vital wildlife corridors by facilitating development and implementation of conservation strategies in the Cabinet-Yaak and Crown of the Continent ecosystems.  
\$100,000

**Clearwater Resource Conservation and Development Council, Inc.**

Frank Church Wilderness Weed Management Strategy  
Implement integrated weed management, with emphasis on early detection and rapid response, in the Frank Church-River of No Return Wilderness, Cooperative Weed Management Area. Project will incorporate prevention, detection, treatment, and monitoring of invasive weeds; raise public awareness about the threats of invasive weed expansion, weed identification, and ways to eradicate and reduce invasive weeds.  
\$45,000

**Freedom to Roam**

Wildlife Corridor Communications and Marketing

Build broad constituencies for wildlife corridors through far-reaching marketing strategies and increased communications capacity.  
\$40,000

**Friends of Kootenai National Wildlife Refuge**

Website for Friends of Kootenai National Wildlife Refuge

Create a professional website for their organization and affiliated birding group. Project will connect the Friends group with the local community and visitors, promote refuge activities, and create easier access to refuge information.  
\$1,500

**Friends of the Teton River, Inc.**

Teton River Tributary Yellowstone Cutthroat Trout Population Study

Survey Teton River tributaries to identify trends in trout population. Project will facilitate study of native Yellowstone cutthroat trout.  
\$9,800

**Idaho Department of Water Resources**

Tributary Water Conservation in Idaho - IX

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.  
\$209,128

**The Henry's Fork Foundation, Inc.**

Yellowstone Cutthroat Trout Restoration and Enhancement

Conduct Yellowstone cutthroat trout restoration, enhancement, and evaluation on 53 kilometers of 10 streams.  
\$10,500

**The Nature Conservancy**

McArthur Lake Wildlife Corridor

Acquire a conservation easement on 3,727 acres to connect a million acres of public lands and secure the most viable linkage between the Selkirk and Cabinet-Yaak Mountain ecosystems in Idaho.  
\$500,000

**The Nature Conservancy**

Silver Creek Program

Support work at Silver Creek in south central Idaho.  
\$5,000

**The Vital Ground Foundation, Inc.**

Selkirk-Cabinet-Purcell Linkage Zone Initiative

Maintain a land conservation specialist in the Selkirk-Cabinet-Purcell region of Idaho and Montana to identify and pursue conservation opportunities in linkage areas crucial for grizzly bears and other wildlife.  
\$50,000

**Trout Unlimited, Inc.**

Bear River Native Trout Restoration

Restore and reconnect 210 miles of migration corridors and stream habitat to benefit Bonneville cutthroat trout and other native fish in the Bear River.  
\$90,000

**ILLINOIS****Alliance for the Great Lakes**

Adopt a Beach Program

Expand the Adopt-A-Beach (AAB) program in Illinois. Through this program, communities learn to become stewards for the Great Lakes while cleaning up 10,000 pounds of garbage off 45 beaches.  
\$10,000

**American Land Conservancy**

Protecting Native Forests in the Cache River Wetlands

Protect 40 acres of forested wetlands in the Cache River wetlands complex, including a section of the Cache River, through acquisition and conveyance to the Cache River State Natural Area, creating a larger, contiguous protected area and ensuring the parcel is not fragmented, cleared, or converted to agricultural use in the future.  
\$21,500

**Botanic Gardens Conservation International (U.S.), Inc.**

Assessment Towards Evolution of the Plant Conservation Alliance's National Framework

Provide a mechanism for Plant Conservation Alliance members to report their current and anticipated future contributions to the National Framework. Project will help coordinate plant conservation efforts in light of growing environmental challenges such as renewable energy expansion and climate change.  
\$30,000

**Botanic Gardens Conservation International (U.S.), Inc.**

Ex Situ Conservation of Four Imperiled Oak Species

Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols.  
\$15,000

**Chicago Horticultural Society**

Seeds of Success National Coordination

Provide assistance, management, and training to over 65 Seeds of Success collecting teams to increase the quantity and quality of native plant materials available for restoration.  
\$75,000

**Lake County Forest Preserve District**

Chiwaukee Illinois Beach Lake Plain Restoration

Work with partners to control invasive plants across 509 acres and restore hydrology on 1,889 feet of swales and waterways. Benefits include restored coastal habitat, reconnection of wetlands, and improved hydrology.  
\$998,557

**Shawnee Resource Conservation & Development Area, Inc.**

Controlling Invasive Plants in Right-of-Ways

Restore grasslands in right-of-ways to support rare and declining species, increase resistance to future invasive plant invasions, and remove pathways of spread for invasive plants.  
\$100,000

**Stewardship Network**

Field Workshop Kit for the Great Lakes Region

Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events.  
\$15,000

**Stewardship Network**

Garlic Mustard Challenge in the Great Lakes Basin

Protect 500,000 acres while restoring impacted sites by pulling 150,000 pounds of garlic mustard. Project will raise awareness and enthusiasm for ecosystem restoration across the Great Lakes Basin.  
\$15,000

**Trout Unlimited, Inc.**

Driftless Brook Trout and Nongame Species Stream Restoration

Restore and enhance stream and riparian habitat for native brook trout and nongame species. Project will train conservation staff and strengthen community partnerships in the Driftless Area Fish Habitat Partnership of the Midwest.  
\$95,000

**University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**INDIANA****Keep Indianapolis Beautiful, Inc.**

Pogue's Run Conservation Corridor

Create a community-based riparian habitat restoration by engaging multiple partners through outreach, education, and planting projects in the Pogue's Run watershed.  
\$25,000

**Save the Dunes Conservation Fund, Inc.**

LaPorte County Stockwell Woods Forested Foredune Restoration (IN)

Restore approximately 14 acres of remnant foredune and savanna habitat in the Lake Michigan basin. Project will incorporate community-based stewardship and green collar training to remove invasive species.  
\$39,100

**Shirley Heinze Land Trust, Inc.**

Interdunal Wetland Restoration in the Indiana Dunes Region

Help correct the effects of fire suppression and invasive plant infestations on privately-owned interdunal wetlands in the Indiana Dunes region in Lake and Porter Counties, Indiana.  
\$31,378

**Southern Indiana Cooperative Weed Management Area, Inc.**

Southern Indiana Early Detection and Rapid Response for Invasive Species

Develop an Early Detection Rapid Response process for new, high priority invasive species infestations. Project will result in an effective process for detecting and responding to new invasive species infestations across nine million acres of Southern Indiana.  
\$59,850

**Stewardship Network**

Field Workshop Kit for the Great Lakes Region

Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events.  
\$15,000

**Stewardship Network**

Garlic Mustard Challenge in the Great Lakes Basin

Protect 500,000 acres while restoring impacted sites by pulling 150,000 pounds of garlic mustard. Project will raise awareness and enthusiasm for ecosystem restoration across the Great Lakes Basin.  
\$15,000

**The Nature Conservancy**

Holden Property Restoration in Northeast Indiana

Reforest approximately 500 acres of agricultural land. Project will connect over 1,500 acres of restored wetland and forests.  
\$382,210

**University of Tennessee**

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\$442,500

**IOWA****National Audubon Society**

Floodplain Forest Bird Habitat Conservation on Private Lands

Identify potential private lands that alone, or combined with adjacent public lands, can be managed to create one or more 1,700-acre lowland floodplain forest interiors in Important Bird Areas. Project will launch a pilot project to promote healthy floodplain forest management to private land-owners in and adjacent to highest-priority Important Bird Areas along the Upper Mississippi River.  
\$62,607

**National Wild Turkey Federation, Inc.**  
Oak Woodland and Savanna Restoration

To conduct oak woodland and savanna restoration on public and private land within the Stephens State Forest Bird Conservation Area (SSFBCA).  
\$49,450

**Trout Unlimited, Inc.**

Driftless Brook Trout and Nongame Species Stream Restoration

Restore and enhance stream and riparian habitat for native brook trout and nongame species. Project will train conservation staff and strengthen community partnerships in the Driftless Area Fish Habitat Partnership of the Midwest.  
\$95,000

**University of Tennessee**

Eastern Grassland Bird Initiative

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\$442,500

**KANSAS****University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**KENTUCKY****Cornell University**

Golden-Winged Warbler Conservation Initiative – IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds.  
\$168,310

**University of Tennessee**

Eastern Grassland Bird Initiative

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\$442,500

**LOUISIANA****Bayou Land Resource Conservation and Development Council**

New Orleans Watershed and Service on the Bayou Restoration  
Improve the quality of the storm water that drains into New Orleans area bayous, canals, and catchment basins.  
\$20,070

**Botanic Gardens Conservation International (U.S.), Inc.**

Ex Situ Conservation of Four Imperiled Oak Species

Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols.  
\$15,000

**Ducks Unlimited, Inc.**

White Lake Conservation Area Enhancement

Work with White Lake Conservation Area to provide seasonal water and alternative habitat for shorebirds, waterbirds, waterfowl, and other species including the whooping crane.  
\$620,000

**Ducks Unlimited, Inc.**

Coastal Wetland Restoration on Private Lands

Restore 17,500 acres of coastal wetlands by installing/repairing six to ten water-control structures and repairing 25,000–35,000 feet of levee on private lands in Cameron Parish, Louisiana.  
\$991,268

**Ducks Unlimited, Inc.**

Gulf Coast Migratory Waterfowl Habitat Enhancement

Provide at least 20,000 acres of suitable alternative shorebird, wading bird, waterfowl, and secretive marsh bird habitat for fall migrant shorebirds, with maximum flooded acreage achieved during peak fall migration and winter periods in

agricultural habitats in the Chenier Plain of Louisiana and Texas.  
\$2,500,000

**Friends Of Bayou Teche National Wildlife Refuge**

Palmetto Trail – Bayou Teche National Wildlife Refuge

Improve a wildlife-viewing trail located in a bottomland hardwood area subject to rising water. Project will elevate the walkway and construct two bridges, improving accessibility and birding opportunities.  
\$5,000

**Friends of Louisiana Wildlife Refuges, Inc.**

Exercise Stations at the Southeast Louisiana Refuge Complex

Develop eight exercise stations throughout the Southeast Louisiana Refuge Complex to promote exercise and learning with visitors of the refuge. The stations will be designed, developed, and constructed by volunteers with help from the refuge staff.  
\$5,000

**Friends of Red River National Wildlife Refuge, Inc**

Backpacks-for-Birding Loaner Program

Provide training and up to 35 backpacks equipped with binoculars and laminated, Refuge-specific field guides and checklists at the Red River National Wildlife Refuge. Project will offer new opportunities for birding and environmental education.  
\$4,999

**Louisiana Wildlife and Fisheries Foundation**

Louisiana Delta Plantation Wetland Habitat Expansion

Create and/or enhance approximately 930 acres of waterbird habitat. Project activities will include dirt work, water control structure installation, and water delivery.  
\$157,000

**National Audubon Society, Inc.**  
Refurbishment of Critical Coastal Marsh Impoundments

Protect existing brackish marsh habitat through the repair of a system of levees in a critical complex of private lands in coastal Louisiana.  
\$729,393

**Multiple Local Fishermen**

Turtle Exclusion Devices for the Skimmer Trawl Fishery

Produce and distribute, free of charge, Turtle Exclusion Devices to Skimmer Trawl Fishermen in the Gulf of Mexico. This incentive for voluntary conversion to turtle safe gear will reduce mortality of sea turtle populations.  
\$350,000

**University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**MAINE****DeLorme, Inc.**

GPS Loan Program at National Wildlife Refuges

Loan GPS units to refuge visitors for use on trails, boardwalks, and other viewing areas. Some of the GPS units will be included in backpack loaner kits which also include binoculars, refuge maps, and bird checklists.  
\$51,000

**Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Friends of Maine Seabird Islands Outreach to Introduce Seabirds to Visitors**

Provide visitors on ferries, wind-jammers, kayaks, and tour boats with outreach materials to introduce them to seabirds, the Refuge, the Friends group, and conservation messages.

Project will help protect nesting sites as well as establish working relationships with boat captains, nature guides, and outfitters.  
\$5,000

**Maine Council of the Atlantic Salmon Federation**  
Sea-Run Fish Restoration in Two Maine Streams

Remove the Little River Dam, a major obstruction to upstream fish passage, to open up 43 miles of riverine habitat for three species of diadromous fish (Atlantic salmon, American eel, and sea lamprey) and native brook trout on a tributary of the Androscoggin River.  
\$30,000

**Maine Department of Marine Resources**

Assessing Sustainability of Maine River Herring Runs

Collect herring population data on numerous rivers that will be used to create management and harvest models to help ensure the sustainability of the fishery. Project will also hire an education specialist to work with inland communities to help gain acceptance for reintroduction of river herring.  
\$400,483

**Stellwagen Alive**

Marine Debris Removal in the Stellwagen Bank National Marine Sanctuary

Continue an at-sea marine debris retrieval and shore-side removal program in the Gulf of Maine.  
\$73,785

**U.S. Fish and Wildlife Service**  
Promoting Native Shrublands for New England Cottontail

Create and encourage native shrublands where competition with invasive plants occurs. Project will eradicate garlic mustard and improve habitat for New England cottontail across southern Maine.  
\$37,998

**U.S. Fish and Wildlife Service – Gulf of Maine Coastal Ecosystems Program**  
Gulf of Maine Diadromous Fish Habitat Fund – II

Develop information and datasets on diadromous fish habitat and undertake GIS mapping and analysis to prioritize barrier removals in the Gulf of Maine watershed. Project will provide information to local and state agencies so that they can strategically remove fish passage barriers.  
\$72,680

**U.S. Fish and Wildlife Service – Gulf of Maine Coastal Ecosystems Program**  
FWS-Strategic Habitat Conservation

Undertake biological planning in FWS Region 5. Project will organize the Region's priority species lists, analyze and group regional habitat classifications for grouping of species, develop a database to associate species with habitat types, and compile base layers for use in species-habitat models.  
\$92,000

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds – II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**Wildlife Management Institute**  
Gulf of Maine New England Cottontail Initiative

Work to recover the New England Cottontail prior to endangered species listing by the U.S. Fish and Wildlife Service. Landowner agreements and habitat management will abate habitat loss and achieve habitat restoration and population growth.  
\$300,000

**MARYLAND**

**Alice Ferguson Foundation**  
Trash-Free Potomac Watershed Initiative

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys.  
\$75,000

**American Bird Conservancy**  
Forestland Best Management Practices for Golden-Winged Warblers

Develop best management practices for enhancing early successional forestland for Golden-winged Warblers, distribute recommendations to a broad suite of state and private land managers, and hold techniques workshops for more than 30 land managers. Project will create at least 1,000 new acres of habitat based upon those best management practices and assess warbler response to management actions.  
\$133,686

**Biohabitats, Inc.**  
Izaak Walton League Site Assessment and Plan

Perform a one day site reconnaissance to make observations on existing conditions including land use, hydrology/drainage patterns (slope or drainage conveyance erosion and sedimentation), surface soil conditions and vegetation, including non-native invasive plant species, to guide future management of the property.  
\$5,895

**Center for Urban Environmental Research and Education**  
Restoring Hydrologic Function in the Urban Landscape

Advance the use of subsoiling, soil amendment practices, and pervious concrete to reduce urban runoff and restore infiltration in highly disturbed soils. Project will demonstrate design and implementation, perform

consistent monitoring, and conduct targeted outreach, education, and technology transfer to regulatory, management, and practitioner communities throughout the Bay watershed.  
\$450,000

**Chester River Association, Inc.**  
Upper Chester River Conservation Initiative

Lead a comprehensive strategy to reduce nutrient and sediment loadings in the Upper Chester River watershed. Project will work with a multi-stakeholder partnership to implement priority conservation practices, provide outreach and technical assistance, and monitor environmental outcomes.  
\$200,000

**Cornell University**  
Golden-Winged Warbler Conservation Initiative – IV  
Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds.  
\$168,310

**Delaware State University**  
Improving Golf Course Habitats to Facilitate Bat Conservation

Determine what specific habitat features attract bats on a sample of golf courses in the Delmarva Peninsula portion of Maryland and Delaware, using results to guide management by superintendents. Project will examine the effects of tree-lined corridors and ponds, among other landscape features, in providing foraging opportunities for bats, which consume large numbers of pest insects.  
\$59,934

**Duke University**  
Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Friends of Blackwater National Wildlife Refuge, Inc.**  
Outdoor Science Program at Blackwater NWR

Provide hands-on experiences for all Dorchester County Public School 4th and 6th grade students. Activities planned by school staff involve invasive species locating, planting native species, and investigating wetland species.  
\$3,430

**Friends of the John Smith Chesapeake Trail**  
Chesapeake Treasured Landscape Initiative (CTLI)

Build and strengthen a lasting partnership of federal, state, local and private organizations to expand and fully leverage funding appropriate to the region's circumstances and conservation needs. Project will target grant funds to lands that are part of a regional conservation strategy and defined as ecologically and culturally significant; leverage funding with private and other public funds so that public resources are maximized; partner with federal, state and local agencies, non-profit groups and businesses to ensure cooperative conservation of these landscapes; and, promote public engagement and enjoyment of natural and cultural assets of the Chesapeake.  
\$20,000

**Herring Run Watershed Association**  
Creating Blue Neighborhoods and Alleys in Baltimore City

Install stormwater retrofits in the streets and alleyways of a highly urbanized neighborhood in Baltimore, Maryland. Project will capture and treat runoff using bioretention, permeable pavement, rain barrels, downspout disconnection, and other green infrastructure.  
\$600,000

**Manomet, Inc.**  
American Oystercatcher Recovery

Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance.  
\$241,274

**Maryland Department of Agriculture**  
Adaptive Cover Crop Management Tools

Apply adaptive management tools to accurately assess the performance of cover crop implementation within three targeted watersheds in Maryland, Virginia and Pennsylvania. Project will provide tools to measure large-scale winter cover crop productivity and nutrient uptake and create a web-based framework for sharing geospatial data sets that can be used to effectively manage winter cover crop programs for water quality protection.  
\$600,000

**Prince George's County, Maryland**  
Nutrient and Sediment Reduction at University of Maryland

Reduce stormwater runoff volumes and nutrient loads from the University of Maryland campus in College Park, Maryland. Project will retrofit an existing bioretention cell, incorporate anoxic storage beneath a porous parking area, and install a cistern to collect treated effluent.  
\$325,000

**South River Federation**  
Regenerative Stormwater Conveyance Demonstration

Demonstrate the use of regenerative stormwater conveyances on two tributaries in the Severn and South River watersheds. Project will establish 5.58 acres of forested wetlands, restore 3,253 linear feet of stream, and reduce annual pollution loads by 4,292 pounds of nitrogen, 1,299 pounds of phosphorus, and 200 tons of sediment.  
\$900,000

**University of Tennessee**  
Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**Virginia Polytechnic Institute and State University**  
Reducing Poultry House Emissions and Broiler Litter Runoff

Work with farmers to decrease nitrogen and phosphorus pollution from poultry house emissions and litter application. Project will install ammonia scrubbers on poultry house exhaust fans, add alum to litter before land application, and demonstrate the effects of these treatments on crop yields.  
\$700,000

**Water Stewardship, Inc.**  
Nutrient Load Estimator (NLE)

Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool.  
\$93,629

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds – II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**MASSACHUSETTS**

**Duke University**  
Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Manomet, Inc.**

American Oystercatcher Recovery  
Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance. \$241,274

**Manomet, Inc.**

Recovering Rufa Red Knots  
Employ science-driven, site-based conservation and rigorous success measures to recover the populations of the Rufa subspecies of Red Knots. \$314,713

**Massachusetts Audubon Society, Inc.**  
Wetland Invasive Plant Education - Great Marsh

Create a curriculum for students and teachers on wetlands, invasives, and the importance of environmental stewardship. Students will help remove invasive plants in coastal northeastern Massachusetts. \$10,000

**Massachusetts Audubon Society, Inc.**  
Sudbury-Assabet-Concord Cooperative Invasive Species Management Area - II

Manage invasive species in eastern Massachusetts. Project will allow for the hiring of a coordinator to implement the Strategic Plan and Annual Priority Actions with a focus on developing an Early Detection Rapid Response program to prevent the establishment of new invasive species within the watershed. \$50,000

**Multiple Organizations**

Fishing for Energy Port Capacity Grants  
Build port capacity to allow for increased collection of retired and derelict fishing gear for fishing communities across the country. \$5,213

**Provincetown Harbormaster**  
Clean-Up of Provincetown Harbor Seabed

Increase capacity to efficiently capture and transfer marine debris, specifically targeting the federal channel between Long Point and the

breakwater in Provincetown Harbor. Project will involve a partnership with commercial fishing fleet to bring in the marine debris. \$35,600

**Stellwagen Alive**  
Marine Debris Removal in the Stellwagen Bank National Marine Sanctuary

Continue an at-sea marine debris retrieval and shore-side removal program in the Gulf of Maine. \$73,785

**The Student Conservation Association, Inc.**

Boston Education and Restoration  
Restore plant and wildlife habitat at Allendale Woods in the Charles River Watershed. Teenagers will be educated on area wildlife and the importance of preserving natural habitat. \$26,000

**U.S. Fish and Wildlife Service**

Birding/Nature Field Guides for Lending Libraries at National Wildlife Refuges

Provide field guides for inclusion in National Wildlife Refuge lending libraries. Field guides will be loaned to refuge visitors for use on trails, boardwalks, and other viewing areas. \$43,132

**University of Massachusetts**  
River Herring Bycatch Avoidance in Small Mesh Fisheries

Collaborate with the Sustainable Fisheries Coalition and the Massachusetts Department of Marine Fisheries to develop bycatch avoidance incentive systems to minimize bycatch of river herring. \$305,640

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds - II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**MICHIGAN****Anglers of the Au Sable**

Au Sable North Branch Restoration  
Place large woody debris in the Au Sable North Branch stream channel to restore stream characteristics that will help to increase stream volume, prevent erosion, and provide shelter and increased food sources for juvenile brook trout. \$10,000

**City of Frankemuth**

Fish Passage at the Frankenmuth Dam  
Develop a rock ramp style fish passage sequence at the site of the Frankenmuth Dam in Michigan's Saginaw Bay Watershed. \$200,000

**Conservation Resource Alliance**  
Upper Manistee Riparian Corridor Restoration

Remove twelve dams, improve a road crossing, and implement conservation practices. Project will restore fish passage and improve degraded riparian corridor habitat. \$625,791

**Cornell University**

Golden-Winged Warbler Conservation Initiative - IV  
Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Ducks Unlimited, Inc.**

Arcadia Marsh/Bowens Creek Restoration and Fish Passage  
Restore 10 miles of fish passage, one mile of channelized stream, and 75 acres of coastal marsh. \$783,823

**Huron Pines Resource Conservation & Development Area Council, Inc.**  
Silver Creek Protection

Implement a suite of protection, restoration, and enhancement techniques in Silver Creek, a brook trout nursery stream. Project will address the most significant pollutant sources through locally led collaboration. \$133,510

**Lake Superior State University**

Conservation of Great Lakes Piping Plover  
Implement a suite of activities aimed at increasing the reproductive success, quality of nesting habitat, and outreach efforts for the endangered Great Lakes piping plover. \$150,000

**Michigan State University**  
Early Detection and Treatment of Great Lakes Phragmites

Assess, prioritize, and build long-term regional capacity to detect and treat non-native phragmites before widespread establishment. \$115,199

**River Alliance of Wisconsin, Inc.**  
Clearing a Path: Revitalizing Lake Michigan's Sturgeon

Construct a fish bypass around two dams on the Menominee River. Project will remove two barriers to downstream sturgeon migration and improve lake sturgeon population growth in Lake Michigan. \$1,500,000

**Stewardship Network**

Field Workshop Kit for the Great Lakes Region  
Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events. \$15,000

**Stewardship Network**

Garlic Mustard Challenge in the Great Lakes Basin  
Protect 500,000 acres while restoring impacted sites by pulling 150,000 pounds of garlic mustard. Project will raise awareness and enthusiasm for ecosystem restoration across the Great Lakes Basin. \$15,000

**The Nature Conservancy**

Controlling Invasive Plants throughout Eastern Lake Michigan  
Coordinate surveys, eradication, and monitoring for seven major invasive plants threatening dunes along the full eastern Lake Michigan coast. \$748,188

**Trout Unlimited, Inc.**

Trout Habitat Improvement in Coldwater River  
Reduce bank erosion and improve over 2,500 feet of instream trout habitat in the Coldwater River. Project will include educational opportunities and monitoring relating to post-construction ecological assessment. \$40,750

**University of Notre Dame**

Enhancing Upper Great Lakes Native Brook Trout Populations  
Assess outcomes of Michigan and Wisconsin stream habitat enhancement efforts aimed at restoring brook trout populations. \$20,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Upper Peninsula Resource Conservation and Development Council**  
Rapid Response Invasive Plant Team for Upper Peninsula

Work with partners to establish an area-wide network for the purpose of identification, monitoring, and managing invasive plants. \$150,000

**USDA-Forest Service — Hiawatha National Forest**

Brook Trout Spawning Habitat Enhancement  
Rehabilitate or expand spawning habitat for brook trout in ground-water influence zones of four Michigan streams with a history of brook trout reproduction. \$10,000

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds - II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**MINNESOTA****Cornell University**

Golden-Winged Warbler Conservation Initiative - IV  
Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Friends of the Detroit Lakes**

**Wetland District**  
Nature and Technology Outdoor Classroom at Hamden Slough National Wildlife Refuge

Build an outdoor classroom shelter at Hamden Slough National Wildlife Refuge to host conservation education activities. Project will be built in partnership with a local youth build program and incorporate sustainable design and technology for learning. \$5,000

**Friends of the Mississippi River**

Forest Enhancement at Hastings Scientific and Natural Area  
Enhance the Maple-Basswood and floodplain forest by controlling the exotic invasive plants, mainly buckthorn and honeysuckle, within the Scientific and Natural Area unit. Project will update an outdated weed management plan, identify and conserve native plant populations, and result in a completed bird survey to use as baseline data. \$21,443

**Friends of the Refuge Headwaters**

Friends of the Refuge Headwaters Outreach and Conservation  
Develop community involvement in the Upper Mississippi River National Wildlife and Fish Refuge and increase outdoor activity of area children. Project will protect fish and wildlife and develop and awareness of the refuge. \$3,464

**Great River Greening**

Anoka Sandplain Forest/  
Savanna Conservation

Restore high quality forests within the Rum River Watershed of the Anoka Sandplain Ecoregion, focusing on private lands and landowners. Project will elevate forest management across 100 acres of private and public lands within the Rum River watershed, reach 250 individuals via hands-on volunteer events, landowner outreach, and education programs, and document restoration projects and program methods for expansion to other geographies.  
\$75,000

**Marshall County Soil and Water Conservation District  
Marshall-Beltrami Weed Management**

Organize the Weed Management Board to identify and prioritize noxious invasive species sites including Leafy Spurge, Spotted Knapweed, and Purple Loosestrife. Project will control noxious weeds across 599,040 acres of private and public lands, improving wildlife habitat.  
\$60,000

**National Audubon Society  
Floodplain Forest Bird Habitat Conservation on Private Lands**

Identify potential private lands that alone, or combined with adjacent public lands, can be managed to create one or more 1,700-acre lowland floodplain forest interiors in Important Bird Areas. Project will launch a pilot project to promote healthy floodplain forest management to private landowners in and adjacent to highest-priority Important Bird Areas along the Upper Mississippi River.  
\$62,607

**Sugarloaf: The North Shore Stewardship Association  
Restoring Lake Superior's Lost Coastal Forest**

Provide hands-on coastal forest restoration assistance and stewardship training for coastal landowners. Project will restore 500 acres of ecologically significant coastal forest.  
\$64,982

**The Conservation Fund**

Upper Mississippi Forestland Easement  
Protect 186,443 acres of forestland from development by securing a perpetual conservation easement. Project will protect vast working forests, key wildlife habitat, and outdoor recreation areas.  
\$750,000

**Trout Unlimited, Inc.**

Driftless Brook Trout and Nongame Species Stream Restoration  
Restore and enhance stream and riparian habitat for native brook trout and nongame species. Project will train conservation staff and strengthen community partnerships in the Driftless Area Fish Habitat Partnership of the Midwest.  
\$95,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**Wildlife Forever, Inc.**

Wildlife Forever Invasive Species - ESA Outreach  
Develop and publish an invasive species outreach and education campaign in the Western United States with a particular focus on the impacts of invasives on endangered species.  
\$66,500

**Wildlife Management Institute  
Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**MISSISSIPPI****Friends of Dahomey National Wildlife Refuge, Inc.**

Teacher Training at Dahomey National Wildlife Refuge  
Organize teacher training workshops at two high schools and science education activities at Dahomey National Wildlife Refuge. Project will take 150 high school students on five trips to the refuge to learn about protecting wetlands and migratory species.  
\$10,000

**Mississippi Department of Marine Resources**

Reducing Interactions Between Fishermen and Gulf Sea Turtles  
Distribute turtle exclusion devices to Mississippi skimmer trawlers in order to protect sea turtles. Project will also educate fishermen in case of sea turtle encounters and provide observers to collect information.  
\$107,084

**Mississippi Land Trust**

Bird Habitat Creation in the Lower Mississippi River Valley  
Develop a program that provides quality habitat for migratory birds in the heart of the Mississippi Flyway, primarily utilizing the conservation provisions of the 2008 Farm Bill.  
\$500,000

**Mississippi State University**

The Bayou by You  
Enhance 7.5 acres of urbanized wetlands in Biloxi. Public school students will volunteer with others for cleanup, native marsh grass planting, and monitoring as part of their science education.  
\$23,879

**Mississippi Wildlife, Fisheries and Parks Foundation**

Cumbest Bluff Restoration  
Implement a comprehensive habitat restoration and reforestation initiative to preserve and protect the Cumbest Bluff wetlands, a 200-acre tract of hardwoods, bogs, and cypress swamp in Jackson County Mississippi.  
\$20,000

**Mississippi Wildlife, Fisheries and Parks Foundation**

Shorebird Habitat Management on Mississippi WMAs.  
Mississippi Department of Wildlife, Fisheries and Parks (MDWFP) will provide high-quality migration and wintering habitat for migratory shorebirds, wading birds, and early migrant waterfowl on public lands owned and managed by MDWFP.  
\$169,850

**Multiple Local Fishermen**

Turtle Exclusion Devices for the Skimmer Trawl Fishery  
Produce and distribute, free of charge, Turtle Exclusion Devices to Skimmer Trawl Fishermen in the Gulf of Mexico. This incentive for voluntary conversion to turtle safe gear will reduce mortality of sea turtle populations.  
\$350,000

**National Wild Turkey Federation, Inc.**

Longleaf Restoration Partnership - II  
Restore 8,305 acres of longleaf pine in its natural range on private and public lands in Georgia, Alabama, Mississippi and Florida. Project is part of a continued effort to help facilitate the restoration of longleaf pine across its native range in the Southeast.  
\$1,000,000

**U.S. Fish and Wildlife Service**

Shorebird Habitat Enhancement at Theodore Roosevelt Complex  
Enhance 250 acres of shorebird habitat. Project will provide increased area and migration/wintering resources for over 25,000 migrating shorebirds north of the Gulf of Mexico oil spill area.  
\$45,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**MISSOURI****Center for Plant Conservation, Inc.**

Ex Situ Plant Conservation on Forest Service Lands  
Determine existing U.S. Forest Service priority species ex situ coverage through extensive queries of Center for Plant Conservation institutions and partners engaged in seed-banking work. Project will result in a report that will summarize and recommend future priorities.  
\$15,000

**Missouri Department of Conservation**

Fish Habitat Improvement in Table Rock Lake - IV  
Restore and improve habitat for bass in Table Rock Lake and trout in Lake Tanneycomo, as well as stabilize banks and control erosion with riparian plantings of the tributary creeks and rivers.  
\$450,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**MONTANA****American Wildlands**

Conserving Critical Wildlife Corridors in Northwest Montana and Idaho  
Conserve vital wildlife corridors by facilitating development and implementation of conservation strategies in the Cabinet-Yaak and Crown of the Continent ecosystems.  
\$100,000

**Big Blackfoot Chapter of Trout Unlimited, Inc.**

Chamberlain / Bear Creek Riparian Forest Recovery  
Restore the riparian health and aquatic habitats in high priority westslope cutthroat streams by de-constructing roads, removing barriers, and revegetating disturbed areas.  
\$32,800

**Bureau of Land Management**

Southwest Montana Non-Native Trout Removal  
Work in conjunction with Montana Fish, Wildlife, and Parks and the U.S. Forest Service to conduct between three and five removal efforts on four west-slope cutthroat trout streams in southwest Montana.  
\$11,900

**Clark Fork Coalition**

Upper Clark Fork River Restoration - III  
Plan and implement native fish habitat improvement projects on tributaries to the Clark Fork and build landowner participation.  
\$80,040

**Clark Fork Coalition**

Community Water Marketing Program - CBWTP  
Identify, implement and monitor water transactions in the Bitterroot, Blackfoot, and Clark Fork subbasins of Montana.  
\$159,418

**Freedom to Roam**

Wildlife Corridor Communications and Marketing  
Build broad constituencies for wildlife corridors through far-reaching marketing strategies and increased communications capacity.  
\$40,000

**Lower Clark Fork Watershed Group**

Vermilion River Native Fish Habitat Restoration  
Restore three miles of native bull trout and westslope cutthroat trout habitat in the Vermilion River. Project will stabilize the single largest sediment source (700 tons/year) in the drainage.  
\$28,000

**Montana Department of Fish, Wildlife and Parks**

Bear Conflict Management in the Cabinet-Yaak Region  
Reduce human-caused grizzly bear mortalities through human-bear conflict prevention and increasing public awareness and tolerance of grizzly bears throughout the Cabinet-Yaak region.  
\$105,000

**Montana Department of Fish, Wildlife and Parks****Crucial Areas and Connectivity Assessment and Training**

Identify crucial wildlife habitats and corridors, and provide opportunities for stakeholder feedback, public education, and local government training to support conservation and planning efforts.  
\$100,200

**Montana Department of Fish, Wildlife and Parks****Lower Deer Creek Yellowstone Cutthroat Trout Conservation**

Construct a barrier to protect a pure population of Yellowstone cutthroat trout from an imminent, dire threat of hybridization.  
\$40,940

**Park County****Park County Fleshman Creek Urban Restoration**

Restore a two-mile reach of Fleshman Creek, tributary to the Yellowstone River and an important habitat area for Yellowstone cutthroat trout, a Montana Fish of Special Concern.  
\$53,075

**Powell County Weed District****Powell County Cooperative Weed Management - V**

Continue the cooperative integrated vegetation management program to enhance, restore, protect, and conserve natural resources inherent to the Clark Fork and Blackfoot watershed ecosystems. Project will monitor and eradicate 20 state listed noxious weeds.  
\$30,550

**Ravalli County Weed District****Central Valley Weed Partnership in the Bitterroot Valley**

Strengthen the Central Valley Weed Partnership, created in 2008, through education and weed treatment. Project will eradicate 28 state listed noxious weeds over 7,500 acres, educate 20 landowners about weed identification and eradication, and restore habitat for fish and wildlife.  
\$50,000

**Rocky Mountain Elk Foundation****Protecting the Tenderfoot Lands**

Acquire 8,200 acres of high-quality terrestrial, riparian, and fisheries habitat in the Tenderfoot Creek Drainage of the Smith River Watershed in Montana. Project will assure these lands continue to provide high-quality habitat for wildlife, such as elk, moose, mule deer and lynx, as well as fish, including a genetically pure strain of cutthroat trout.  
\$58,511

**The Vital Ground Foundation, Inc.****Selkirk-Cabinet-Purcell Linkage Zone Initiative**

Maintain a land conservation specialist in the Selkirk-Cabinet-Purcell region of Idaho and Montana to identify and pursue conservation opportunities in linkage areas crucial for grizzly bears and other wildlife.  
\$50,000

**Trout Unlimited, Inc.****Clark Fork River Restoration**

Expand successful Middle Clark Fork River project to include Upper Clark Fork River. Project will improve fish passage and native fish habitat through mine reclamation and integrated watershed restoration projects.  
\$175,000

**Trout Unlimited, Inc.****Montana Water Project - IX**

Develop and complete instream flow water rights transfers in the Columbia Basin. Project will monitor flows in order to assure delivery of water in the protected reach.  
\$44,561

**U.S. Forest Service, Northern Region****Northern Montana Water Rights Acquisition**

Collect instream flow data needed to analyze and assemble water rights applications for instream flow reservations under the joint Forest Service and Montana Water Rights Compact.  
\$15,000

**NEBRASKA****University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**NEVADA****Death Valley Natural History Association****Ash Meadows Ed-Ventures Program**

Implement the Ash Meadows Ed-Ventures Program to introduce local students to the ecosystem and endemic species on the refuge. Students receive classroom visits and a day trip to the refuge.  
\$5,000

**Friends of Desert National Wildlife Refuge Complex****Increasing Membership of Friends of Desert National Wildlife Refuge Complex**

Create and produce a newsletter, brochure, rack card, website, and logo to use on marketing materials. Project will increase membership for the newly established Friends of Desert National Wildlife Refuge Complex.  
\$5,000

**Nevada Department of Wildlife****Mason Valley Wildlife Area Water Conservation and Release**

Provide funding for plans of numerous water conservation and release activities from the Mason Valley WMA into the Walker River for use downstream into Walker Lake.  
\$50,000

**Nevada Division of Conservation Districts****Alternative/Specialty Crop Marketing and Enhancement Program**

Try new methods of cultivating specialty crops. New methods may be less water intensive, may extend the growing season, and could produce higher earnings potential on smaller acreages.  
\$67,000

**Nevada Division of Water Resources****Walker River Basin Water Rights Administration**

Conduct water rights administration, water use analyses, and hydrologic monitoring.  
\$616,043

**Trout Unlimited, Inc.****Securing Key Lahontan****Cutthroat Trout Watersheds**

Develop a strategy for restoring interconnected stream and lake systems while managing threats from non-native species to ensure resilience of Lahontan cutthroat trout populations during rapid climate change.  
\$47,303

**University of Nevada****Las Vegas Foundation****Refuges Inspiring Wonder**

Conduct an immersive refuge experience on the Desert National Wildlife Refuge Complex with 55 students using multiple trips to the refuge. Some of the potential projects students will work on are species monitoring, habitat restoration and community education.  
\$10,000

**University of Nevada Reno****Walker Basin Research**

Evaluate the effectiveness of potential water right acquisitions in the Walker River Basin. Research projects will focus on the health of the Walker River aquatic life, incremental changes in river management, and further investigation of the use of alternative agriculture and irrigation scheduling technology for water conservation in the Walker Basin, along with socioeconomic research that links water conservation in agricultural practices and other opportunities associated with water conservation in the Walker Basin.  
\$4,000,000

**Eastern Nevada Landscape Coalition****Eastern Nevada/Western Utah Invasive Weed Control**

Continue the treatment and monitoring of invasive weeds across 4,410,750 acres within four Cooperative Weed Management Areas in eastern Nevada and western Utah. Project will target knapweed, pepperweed, tamarisk, Russian olive, thistle, hoary cress, and non-native thistles.  
\$83,075

**NEW HAMPSHIRE****Duke University****Determining the Origins of River Herring Bycatch**

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Stellwagen Alive****Marine Debris Removal in the Stellwagen Bank National Marine Sanctuary**

Continue an at-sea marine debris retrieval and shore-side removal program in the Gulf of Maine.  
\$73,785

**Wildlife Management Institute****Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**Wildlife Management Institute****Gulf of Maine New England Cottontail Initiative**

Work to recover the New England Cottontail prior to endangered species listing by the U.S. Fish and Wildlife Service. Landowner agreements and habitat management will abate habitat loss and achieve habitat restoration and population growth.  
\$300,000

**NEW JERSEY****Cornell University****Golden-Winged Warbler Conservation Initiative - IV**

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds.  
\$168,310

**Duke University****Determining the Origins of River Herring Bycatch**

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Friends of Cape May****National Wildlife Refuge****Friends of Cape May National Wildlife Refuge Launch**

Build awareness and foster public support of the Cape May National Wildlife Refuge by creating an appealing, identifiable Friends organization that engages in meaningful projects and programs. Project will provide support for Friends activities, including the design of a trail/habitat map for guided refuge hikes, and an interpretive sign and botanical ID markers for the Friends Butterfly Garden.  
\$5,000

**Friends of Cape May****National Wildlife Refuge****Connecting People and Birds at Cape May National Wildlife Refuge**

Develop birding programs and resources to increase birding opportunities for visitors to Cape May National Wildlife Refuge. Project will encourage public and partner support and awareness of the refuge through optics and field guides loans, bird walks, and interpretive signs.  
\$4,985

**Friends of Forsythe National Wildlife Refuge, Inc.**  
Birding Photography Contest for Kids at Edwin B. Forsythe National Wildlife Refuge

Teach birding and photography to 30 children and families at the Edwin B. Forsythe National Wildlife Refuge in Oceanville, New Jersey. Project will create a sustainable program for teaching birding and photography, increasing Friends membership. \$1,710

**Manomet, Inc.**  
American Oystercatcher Recovery  
Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance. \$241,274

**Manomet, Inc.**  
Recovering Rufa Red Knots  
Employ science-driven, site-based conservation and rigorous success measures to recover the populations of the Rufa subspecies of Red Knots. \$314,713

**New Jersey Audubon Society**  
A Monarch's Journey: Connecting One Habitat at a Time  
Engage students in a citizen participation program to identify and map milkweed patches on the school grounds, in the community, and at Cape May National Wildlife Refuge – Two Mile Beach Unit. Project will increase the community's awareness of monarch migration by having students develop educational materials for their families and others in the school community, and work with the Friends group on their butterfly garden, invasive plant removal and native plant plantings. \$8,865

**New Jersey Audubon Society**  
Coordinated Weed Management on Cape Island  
Coordinate organizations to identify and control invasive plant species on private and public lands on Cape Island. Project will benefit wildlife, including imperiled migrating birds, native vegetation, and agriculture. \$39,999

**Rutgers University**  
Use of Light Detection and Ranging Imagery in Management of Marine Protected Areas  
Pilot a new approach to create temporal and spatial information to support management of salt marsh and barrier island habitat using high horizontal and vertical resolution Light Detection and Ranging imagery. Project will apply spatial tools to direct strategies for climate change adaptation at a regional scale and for potential broader application through the national system of marine protected areas, especially with respect to rising sea level and the local drivers that influence the rate of rise. \$38,373

**The Nature Conservancy**  
Delaware River Basin Riverine and Wetland Areas Prioritization  
Prepare a conservation plan prioritizing places for riverine and wetland protection and restoration across the four-state Delaware River Basin watersheds. This project will improve understanding about those places and strategic opportunities that address multiple threats and are most in need of conservation action or promise the greatest conservation return in the Basin Watersheds. \$75,544

**Trout Unlimited, Inc.**  
Restoring Musconetcong River Brook Trout Habitat  
Reconnect and restore fragmented brook trout populations by implementing riparian plantings, habitat enhancement, and barrier removal projects in Musconetcong River tributaries as part of the Eastern Brook Trout Joint Venture. \$95,000

**University of Tennessee**  
Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Upper Raritan Watershed Association**  
Central Jersey Invasive Species Strike Team  
Strengthen New Jersey's first Cooperative Weed Management Area by broadening partnerships and providing technical support and public outreach. Project will prevent the spread of emerging invasive plants over 7,500 acres through early detection and rapid response, and will result in 25 outreach and training sessions. \$95,826

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds – II  
Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**NEW MEXICO**  
**Freedom to Roam**  
Wildlife Corridor Communications and Marketing  
Build broad constituencies for wildlife corridors through far-reaching marketing strategies and increased communications capacity. \$40,000

**Friends of Las Vegas National Wildlife Refuge**  
Environmental Education at the Las Vegas National Wildlife Refuge  
Introduce fourth and fifth graders to the diversity of wildlife and habitats on the Las Vegas National Wildlife Refuge. Project will take students through native grasslands, croplands, marshes, ponds, timbered canyons and streams looking for animal signs and observing birds. \$4,790

**Playa Lakes Joint Venture**  
Reducing Threats to Lesser Prairie-Chicken in New Mexico  
Restore Lesser Prairie-Chicken habitat and connectivity between existing protected areas. Project will identify prairie-chicken movement corridors and create several demonstration projects that highlight reduction of human-influenced habitat threats. \$199,920

**Playa Lakes Joint Venture**  
Furthering New Mexico Lesser Prairie-Chicken Conservation  
Continue the restoration of Lesser Prairie-Chicken habitat, connecting already protected areas and unfragmenting grassland habitat in southeastern New Mexico. \$249,466

**Sky Island Alliance**  
Peloncillo Mountains Ciénega Restoration – II  
Complete the final phase of restoration of a ciénega that occupies the upper Cloverdale Valley. The lower creek corridor and ciénega are the next steps in restoring this unique riparian system. \$111,416

**NEW YORK**  
**Buffalo Audubon Society**  
Iroquois Observations Educational Services – II  
Provide programming to elementary school children focused on the Iroquois National Wildlife Refuge. Project will focus on waterfowl and wetland ecosystem functions and nurture the next generation of environmental advocates. \$9,998

**Buffalo Niagara Riverkeeper, Inc.**  
Riverwatch Academy for Niagara Watershed Restoration  
Restore/enhance three degraded Niagara River tributaries. Volunteers will develop skills while replanting and monitoring 35.5 riparian acres and 3.5 miles of shoreline. \$149,956

**Cornell Cooperative Extension of Suffolk County**  
Derelict Lobster Gear Assessment, Removal, and Prevention  
Characterize the extent and distribution of derelict lobster gear in the waters of Western Long Island Sound. Project will work with commercial lobstermen to remove gear from the study site. \$52,785

**Cornell University**  
National Wildlife Refuge System Birding Education, Training, and Support Program  
Identify and evaluate the types of training and support individual refuges need in order to develop or improve bird checklists, educational materials, and community outreach. Project will assist the National Wildlife Refuge System in its efforts to create birder-friendly refuges through a program of training, support, and materials development for individual refuges. \$140,250

**Cornell University**  
Monitoring and Mapping of Noise in Stellwagen Bank National Marine Sanctuary  
Conduct a high-level, integrative study to develop tools to characterize the marine acoustic environment and health of an urbanized, highly productive ecosystem, the Stellwagen Bank National Marine Sanctuary. \$90,000

**Cornell University**  
Golden-Winged Warbler Conservation Initiative – IV  
Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Duke University**  
Determining the Origins of River Herring Bycatch  
Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers. \$310,902

**Friends of the Bay, Inc.**  
Interactive Display for Oyster Bay  
Develop an interactive display that provides information about Oyster Bay National Wildlife Refuge. The display will serve as an educational tool to help inform the public about the aquatic wildlife, maritime history, and aquaculture of the refuge. \$4,947

**Friends of the Upper Delaware River, Inc.**  
Upper Delaware River Tributary Restoration  
Prepare a fully-engineered stream and floodplain restoration plan and construct a 50-acre project to provide flood conveyance, attenuation and reduction for downstream communities such as Cadosia and Hancock, and improve and expand prime spawning habitat for wild rainbow, brown, and brook trout. \$50,000

**The Nature Conservancy**  
Delaware River Basin Riverine and Wetland Areas Prioritization  
Prepare a conservation plan prioritizing places for riverine and wetland protection and restoration across the four-state Delaware River Basin watersheds. This project will improve understanding about those places and strategic opportunities that address multiple threats and are most in need of conservation action or promise the greatest conservation return in the Basin Watersheds. \$75,544

**The Research Foundation of State University of New York**  
Restoring Lake Ontario Sedge/Grass Wetland  
Restore sedge/grass wetland on nine acres of agricultural land along Salmon Creek at Braddock Bay of Lake Ontario. Project will increase the area of the habitat type most severely impacted by lake-level regulation. \$33,546

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-Dependent Birds – II  
Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**NORTH CAROLINA****Cornell University**  
Golden-Winged Warbler  
Conservation Initiative – IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Davidson College**  
Increasing Breeding Success for  
Brown-Headed Nuthatches

Examine whether the use of paired nest boxes by the Brown-Headed Nuthatch will allow it to better compete against the Eastern Bluebird and increase its breeding success. Project will compare three options with different hole sizes and spacing to guide management recommendations for superintendents. \$8,000

**Davidson College**  
Golf Course Ponds as Suitable  
Turtle Habitat in Urbanized Areas

Collect data on the populations and movement of several semi-aquatic turtle species on golf courses in North Carolina. Project will provide practical management guidelines for enhancement of turtle habitat in and around golf course ponds. \$59,950

**Duke University**  
Determining the Origins  
of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers. \$310,902

**Friends of the North Carolina State  
Museum of Natural Sciences**  
Silvering the Roanoke

Restock the Roanoke River with American Shad, develop strong connections between students, teachers and the refuge, and provide students with experiences leading to future science careers. Students will monitor water quality from the

Roanoke River, collect eggs, watch them mature and release the fish back into the river. \$10,000

**Manomet, Inc.**  
American Oystercatcher Recovery

Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance. \$241,274

**Mountain Valleys Resource  
Conservation & Development Council**  
Support for the Southern  
Appalachian Cooperative Weed  
Management Partnership

Continue to support the Southern Appalachian Cooperative Weed Management Partnership to address invasive exotic plants. Project will employ invasive weed prevention, education, detection and control, evaluation, restoration, and cooperation in order to address invasive weed issues in the Southern Appalachian region. \$33,997

**Multiple Local Fishermen**  
Turtle Exclusion Devices  
for the Flynet Fishery

Turtle Exclusion Devices will be produced and made available free of charge to Flynet Fishermen along the southeastern U.S. This incentive for voluntary conversion to turtle safe gear will reduce mortality of migrating sea turtle populations. \$110,000

**North Carolina Coastal Federation**  
North Carolina Coastal School Rain  
Gardens for Water Quality Protection

Work with students and teachers at three schools on the coast: Tiller Elementary, Bradley Creek Elementary, and First Flight Middle, to plan and construct three rain gardens for water quality protection. \$20,000

**The Ocean Foundation**  
Marine Ecosystem Service Values  
Partnership

Develop a publicly available database of coral reef economic valuation

studies from around the world and a facilitated community of practice for data producers and users. \$14,850

**University of Tennessee**  
Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**NORTH DAKOTA****Ducks Unlimited, Inc.**  
Perpetual Native Grassland  
Protection in the Missouri Coteau

Expand efforts to protect native grassland and wetland habitat critical for the conservation of native bird populations. Project will involve the purchase of conservation easements on approximately 300 acres of native grasslands and wetlands in the Missouri Coteau. \$58,588

**Girl Scouts — Dakota Horizons, Inc.**  
Girl Scouts Go Back to Nature

Educate over 80 Girl Scouts to develop and implement stewardship projects on Long Lake and Audubon National Wildlife Refuges. The project will continue the work of a start-up grant and educate the Girl Scouts on the importance of maintaining and managing wildlife refuges. \$5,000

**OHIO****Bird Watcher's Digest Magazine**  
Bird Watcher's Digest Magazine  
at National Wildlife Refuges

Supply refuge visitor centers, visitor contact stations, or staffed administrative offices with birding magazines for three years. Providing three-year Bird Watcher's Digest Magazine subscriptions to refuges will help refuge staff and volunteers stay up-to-date on issues of interest to birders in the United States, and the back issues will be kept as reference materials for staff to access in the future. \$6,737

**Stewardship Network**  
Field Workshop Kit for the  
Great Lakes Region

Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events. \$15,000

**Stewardship Network**  
Garlic Mustard Challenge in the  
Great Lakes Basin

Protect 500,000 acres while restoring impacted sites by pulling 150,000 pounds of garlic mustard. Project will raise awareness and enthusiasm for ecosystem restoration across the Great Lakes Basin. \$15,000

**The Nature Conservancy**  
Mending Meadows: Restoring  
Wet Prairies in the Oak Openings

Restore and preserve approximately 35 acres of wetlands and upland buffer within the Oak Openings Region of Ohio. \$72,664

**University of Tennessee**  
Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-  
Dependent Birds – II

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**OKLAHOMA****Association of Friends of the Wichitas**  
Nature Quest Environmental  
Education Camp

Facilitate a week-long environmental education camp focused on middle school students and purchase birding equipment to loan out. Project will build Friends' capacity and provide environmental education to local middle school students. \$3,460

**University of Tennessee**  
Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**USDA Forest Service**  
Glover River Passage for  
Leopard Darters

Remove a failed low-water crossing to connect fish passage for 26 miles on the Glover River. Project will benefit leopard darters (federally threatened), which occur immediately downstream of the crossing. \$65,000

**OREGON**  
**Cascade Pacific Resource  
Conservation and Development  
Area, Inc.**

Stout to Valentine Creeks Weed Inventory and Control

Inventory and control upland and riparian weeds using an Early Detection Rapid Response approach in Stout, Alder, and Valentine Creek watersheds through a coordinated program of public and private ownerships. Project will restore native grasses, shrubs, and trees, and improve habitat for many species, including Chinook and steelhead fish. \$27,005

**Clatsop Soil and  
Water Conservation District**  
Clatsop Invasive Plant Early Detection  
and Rapid Response Initiative

Provide needed capacity to respond to new invasive plant species coming to Clatsop County. Project will

coordinate invasives surveying, documentation, and treatment, as well as workshops for the identifications and reporting of new infestations of 13 specific species. \$11,400

**Coquille Watershed Association**  
North Fork Coquille  
Watershed Restoration – II

Improve approximately 13 miles of instream habitat on Oregon's North Fork Coquille River through the placement of large wood. Project will benefit Coho and Chinook salmon, cutthroat trout, steelhead trout and lamprey. \$46,210

**Deschutes River Conservancy**  
Deschutes Water Exchange – BPA – IX

Restore stream flows throughout the Deschutes River Basin, Oregon, through incentive based water rights transactions. \$249,214

**Friends of the Tualatin River  
National Wildlife Refuge**  
Friends of the Tualatin River Refuge  
Education Programs

Provide environmental education programs to 4,000 K-12 students and 90,000 visitors. Opportunities will include tours, signage, study guides, teacher trainings, and speakers. \$5,000

**Institute for Applied Ecology**  
RARE Partnership: Growing Plants  
and Stewards of Prairies

Engage 400 students in stewardship activities at Finley National Wildlife Refuge that connect them with their local environment, cultivating a sense of place and responsibility for local habitats. The project will create and restore habitat for the Fender's Blue butterfly and other prairie species while utilizing field experiences and student-led stewardship projects to connect classroom lessons to real world issues. \$10,000

**Klamath Bird Observatory**

Protecting Wetlands, Water, and Waterbirds

Teach 90 students in grades 3-5 at Chiliquin Elementary about science, birds, and habitats at Upper Klamath National Wildlife Refuge. Students will monitor water quality and aquatic birds alongside biologists and also take time to explore and experience the natural area during two all day field trips to the refuge. \$5,001

**Lake County Resources Initiative**

Drews Valley Ranch Fish Passage and Screening

Restore fish passage and build screens at four irrigation diversions. Project will keep state sensitive fish out of irrigation systems and restore fish access to spawning grounds. \$81,687

**Malheur Wildlife Associates**

Carp Control Outreach and Education at Malheur National Wildlife Refuge

Design and construct a portable outreach and education display about invasive carp control at Malheur National Wildlife Refuge in order to educate the public about the negative impacts of carp to the refuge wetland habitats and bird populations. \$5,000

**Middle Fork Willamette Watershed Council**

Middle Fork Willamette Watershed Invasive Weed Program

Expand the existing Invasive Weed Program by initiating an Early Detection Rapid Response program, creating a strategic weed management plan across ownership boundaries, and controlling invasives on private land in the watershed. Project will protect and restore native riparian and upland habitats through the reduction of high priority noxious weeds. \$54,147

**Multiple Organizations**

Fishing for Energy Port Capacity Grants

Build port capacity to allow for increased collection of retired and derelict fishing gear for fishing communities across the country. \$5,213

**Oregon State University**

Populations of Hector's Dolphins in Time and Space

Compare available boat and aerial sighting surveys to photo-identification and genotype capture-recapture estimates and genetic effective size in a local population of Hector's dolphins. \$70,870

**Oregon State University - Hatfield Marine Science Center**

Passive Acoustic Monitoring of the Arctic

Monitor changes in the Arctic ambient sound field associated with the melting of Arctic ice and evaluate the impact the anticipated increased sound levels will have on marine mammals. \$25,021

**Oregon Water Resources Department**

Water Transaction Coordination and Monitoring - VI

Assist Oregon qualified local entities with review and coordination on water transactions. Project will also provide monitoring for a three-year transaction on the Lostine River. \$49,771

**The Freshwater Trust**

Rudio Creek Basin Restoration Project

Restore habitat to 2.4 miles of Rudio Creek, establish a basin-wide monitoring program, and conduct outreach for future restoration. Project will benefit listed summer steelhead and spring Chinook. \$60,000

**The Freshwater Trust**

Innovative Transactions to Restore Flows - VIII

Work to restore instream flow in the John Day, Wallowa County of Grande Ronde, Hood, and Willamette Basins by implementing water rights transactions. \$230,640

**The Freshwater Trust**

Flow Restoration in the Umatilla Basin

Work to restore flow in the Umatilla Basin and in Union County in the Grande Ronde Basin through innovative water transactions. \$177,825

**Trout Unlimited, Inc.**

Improving Escapement Management for Salmon Recovery

Develop a model approach for establishing science-based Pacific salmon and steelhead escapement goals, which are essential to sound fishery management and the success of restoration efforts. \$59,960

**Trout Unlimited, Inc.**

Securing Key Lahontan Cutthroat Trout Watersheds

Develop a strategy for restoring interconnected stream and lake systems while managing threats from non-native species to ensure resilience of Lahontan cutthroat trout populations during rapid climate change. \$47,303

**Tualatin Soil and Water Conservation District**

Noxious Weed Control in Rural Watersheds of Washington County

Work to control two invasive weeds, garlic mustard and knotweed, within two rural Washington County watersheds. Project will improve watershed health for fish and wildlife, initiate and establish an Early Detection Rapid Response program, and increase the public's awareness of noxious weeds. \$49,927

**USDA Forest Service**

Coastal Cutthroat Trout Assessment

Develop science-based tools to assist state, federal, and tribal agencies assess the status of coastal cutthroat trout. Project will help agencies prioritize on the ground actions. \$50,250

**PENNSYLVANIA****Alice Ferguson Foundation**

Trash-Free Potomac Watershed Initiative

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys. \$75,000

**American Bird Conservancy**

Forestland Best Management Practices for Golden-Winged Warblers

Develop best management practices for enhancing early successional forestland for Golden-winged Warblers, distribute recommendations to a broad suite of state and private land managers, and hold techniques workshops for more than 30 land managers. Project will create at least 1,000 new acres of habitat based upon those best management practices and assess warbler response to management actions. \$133,686

**Audubon Society of Western Pennsylvania**

Rain Garden Alliance-Pine Creek Implementation

Reduce storm water runoff and combined sewage overflow through the installation of Rain Gardens and determine the best approach for wider implementation. \$25,000

**Center for Urban Environmental Research and Education**

Restoring Hydrologic Function in the Urban Landscape

Advance the use of subsoiling, soil amendment practices, and pervious concrete to reduce urban runoff and restore infiltration in highly disturbed soils. Project will demonstrate design and implementation, perform consistent monitoring, and conduct targeted outreach, education, and technology transfer to regulatory,

management, and practitioner communities throughout the Bay watershed. \$450,000

**City of Lancaster**

Lancaster City Stormwater Demonstrations

Implement five highly visible green infrastructure demonstrations in Lancaster, Pennsylvania. Project will reduce pollution loads to the Conestoga River by 1,546 pounds of nitrogen, 229 pounds of phosphorus, and 119,500 pounds of sediment while serving as a basin-wide model for stormwater management. \$400,000

**Cornell University**

Golden-Winged Warbler Conservation Initiative - IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Delaware River City Corporation**

Shoreline Restoration at Lardner's Point Park

Remove legacy millstone rubble and restore tidal, inter-tidal and riparian habitat along the Delaware River creating the 64th park in the Fairmount Park system by opening new shoreline for people and for native fish including American shad and striped bass. \$133,844

**Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers. \$310,902

**Earth Force, Inc.**

Widener Watershed Awareness Program

Work with Widener University, the John Heinz National Wildlife Refuge and a Chester elementary school to provide a service-learning program, focused at solving watershed issues. Approximately 20 pre-service educators from Widener University will be trained and work with local elementary students to implement youth-driven watershed projects. \$10,000

**Maryland Department of Agriculture**

Adaptive Cover Crop Management Tools

Apply adaptive management tools to accurately assess the performance of cover crop implementation within three targeted watersheds in Maryland, Virginia and Pennsylvania. Project will provide tools to measure large-scale winter cover crop productivity and nutrient uptake and create a web-based framework for sharing geospatial data sets that can be used to effectively manage winter cover crop programs for water quality protection. \$600,000

**Pennsylvania Department of Agriculture**

Raccoon Mountain Cooperative Weed Management Area

Work to restore early successional shrub habitat in Pennsylvania State Gamelands 252 and the surrounding area through the formation of a Cooperative Weed Management Area. Project will address non-native plants such as tree of heaven, exotic bush honeysuckle, and autumn olive, thus restoring woodcock and golden-winged warbler habitat. \$15,000

**Pennsylvania Fish and Boat Commission**

Bog Turtle Recovery and Habitat Restoration

Advance bog turtle habitat management and assessment, monitor metapopulations, and enhance coordination and collaboration among partners, for recovery of the species in Pennsylvania. \$297,000

**Temple University****Forest Restoration in Philadelphia's Fairmount Park**

Restore three acres of degraded urban forest in Philadelphia and educate youths about carbon offsets. College and urban students will nurture 600 seedlings and join community volunteers to plant them.  
\$25,000

**The ClearWater Conservancy of Central Pennsylvania, Inc.****Brook Trout Habitat Conservation and Restoration**

Purchase a 152-acre parcel with 2,400 feet of a forested wild brook trout stream and restore two state-owned wild brook trout streams by removing two dams and reforesting the affected riparian areas.  
\$100,000

**The Nature Conservancy****Delaware River Basin Riverine and Wetland Areas Prioritization**

Prepare a conservation plan prioritizing places for riverine and wetland protection and restoration across the four-state Delaware River Basin watersheds. This project will improve understanding about those places and strategic opportunities that address multiple threats and are most in need of conservation action or promise the greatest conservation return in the Basin Watersheds.  
\$75,544

**University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**Water Stewardship, Inc.****Nutrient Load Estimator (NLE)**

Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of

NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool.  
\$93,629

**Western Pennsylvania Conservancy TreeVitalize Pittsburgh**

Plant 3,200 trees in communities throughout Pittsburgh in 2010.  
\$25,000

**Wildlands Conservancy, Inc.****Native Habitat Restoration and Education in an Urban Park**

Restore 1.5 miles of brook trout habitat and 10 acres of upland habitat within a city park. Project will implement restoration techniques in partnership with volunteers and state and local organizations.  
\$23,020

**Wildlife Management Institute****Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**PUERTO RICO****Caribbean Maritime Educational Center, Inc.****Guanica Estuary and Coral Reef Education**

Educate local communities on the stressors to coral reefs by experiential learning and cleanups. Project will work with partners to educate and train contractors on proper erosion practices.  
\$25,000

**Center for Watershed Protection, Inc.****Addressing Stormwater Runoff Impacts to Coral Reefs in La Parguera, Puerto Rico**

Implement a stormwater plan and demonstration project in a coastal town where coral reefs are impacted by runoff. Capacity will be built by incorporating university students and the public into the design.  
\$75,000

**Center for Watershed Protection, Inc.****Restoration of Guánica Lagoon and Wetlands in Puerto Rico**

Work to restore the historic Guánica lagoon and wetlands to further remove nitrogen at the Guánica Sewage Treatment plant in Puerto Rico. Project activities will include advancing the conceptual design of the treatment wetlands, conducting outreach with the local farming community to advance lagoon restoration, and the continuation of efforts to reduce erosion in high mountain coffee areas.  
\$35,000

**Conservation Trust of Puerto Rico Education and Clean-Up at Punta Ballenas, Puerto Rico**

Implement a two-tiered 18-month program that seeks to provide on-going educational training on the importance of the Guanica/Rio Loco watershed and lead continuous clean-up activities at the project site.  
\$24,999

**Gulf and Caribbean Fisheries Institute, Inc.****Development of Sustainable Aquaculture Practices for the U.S.**

Hold a workshop at the Gulf and Caribbean Fisheries Institute in November 2010 to examine aquaculture conflicts in coral-reef environments. A panel of experts will be convened.  
\$15,300

**Island Conservation****Restoring Seabird Populations by Removing Invasive Species**

Initiate planning and feasibility studies for non-native mammal eradication on Navassa Island in the Caribbean and the Juan Fernandez Islands and Isla Mocha in Chile.  
\$352,628

**Joaquin Chong****Coffee Pulp Composting Demonstration and Utilization**

Conduct composting lectures to coffee processors at Maricao, following compost demonstrations and on farm compost use.  
\$25,000

**Ticatove, Inc****Plastic Bag Education in Puerto Rico**

Educate the community near Vieques National Wildlife Refuge on the impact of plastic bag contamination on marine ecosystems. Project will conduct a recycling education campaign for schools and refuge visitors.  
\$5,000

**University of Miami, Rosenstiel School of Marine and Atmospheric Science****Sustaining Coral Reef Fisheries in Puerto Rico**

Establish fishery management goals, including appropriate fishing level and minimum population sizes, for fish that are important to ensuring healthy coral reefs. These goals will guide conservation efforts of state and federal managers to build sustainable reef fisheries in Puerto Rico.  
\$100,000

**University of Puerto Rico****Rio Loco Watershed Conservation Buffers, Puerto Rico**

Implement a capacity-building program on conservation buffers for farmers in the Rio Loco Watershed. Two permanent demonstrations of conservation buffers in farms will be implemented.  
\$24,918

**University of Puerto Rico - Mayaguez Hydrodynamics of Guánica Bay, Puerto Rico**

Conduct the first Lagrangian velocity measurements and numerical simulations of the hydrodynamics of Guánica Bay to support efforts aimed at improving water quality. Project will take place in Guánica Bay and the adjacent waters directly impacted by pollution from the Guánica watershed.  
\$16,432

**University of Puerto Rico - Mayaguez Nutrient Management and Sediment Source Identification in Puerto Rico**

Further on-farm nutrient management improvement and sediment control that will reduce potential nutrient and sediment loads to coral reefs in Guánica Bay. Project

activities will be coordinated with local community groups and state and federal agencies.  
\$25,000

**RHODE ISLAND****Duke University Determining the Origins of River Herring Bycatch**

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Wildlife Management Institute Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.  
\$265,706

**SOUTH CAROLINA****Clemson University Enhancing Productivity of Oystercatchers in Cape Romain**

Increase nesting success rates of American Oystercatchers by experimentally evaluating the effects of two shorebird management techniques: predator control and artificial incubation or headstarting. Project will evaluate and compare the efficacy and cost-effectiveness of each technique to help guide future management.  
\$96,408

**Duke University Determining the Origins of River Herring Bycatch**

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.  
\$310,902

**Manomet, Inc. American Oystercatcher Recovery**

Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance.  
\$241,274

**Multiple Local Fishermen****Turtle Exclusion Devices for the Flynet Fishery**

Turtle Exclusion Devices will be produced and made available free of charge to Flynet Fishermen along the southeastern U.S. This incentive for voluntary conversion to turtle safe gear will reduce mortality of migrating sea turtle populations.  
\$110,000

**University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**SOUTH DAKOTA****Friends of Maga Ta-Hohpi Environmental Center****Interpretive Panel and Trail Signage Improvement**

Replace old interpretation panels at the existing trailhead kiosk and place new signage at the new trailhead. Project will be completed prior to the dedication ceremony of the nature trail in memory of refuge biotechs Kelson Vaillancourt and James Schneck.  
\$4,899

**University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.  
\$442,500

**TENNESSEE****Cornell University****Golden-Winged Warbler Conservation Initiative - IV**

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds.  
\$168,310

**Cumberland River Compact**

Rotary Park Wall Branch  
Creek Restoration

Restore the Rotary Park Wall Branch Creek through tree plantings, a wildflower meadow, a pervious concrete trail, stabilizing the stream bank, and removing noxious plants. \$20,823

**Living Lands & Waters**

Memphis Reforestation and  
Mississippi River Restoration

Conduct a series of three community-based reforestation, restoration, and education projects in the Memphis metropolitan area. \$25,000

**Mountain Valleys Resource Conservation & Development Council**

Support for the Southern Appalachian Cooperative Weed Management Partnership  
Continue to support the Southern Appalachian Cooperative Weed Management Partnership to address invasive exotic plants. Project will employ invasive weed prevention, education, detection and control, evaluation, restoration, and cooperation in order to address invasive weed issues in the Southern Appalachian region. \$33,997

**University of Tennessee**

Eastern Grassland Bird Initiative

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Wolf River Conservancy**

Wolf River Greenway  
Five Star Partnership

Engage five city schools and other partners in restoring two key properties within the urban portion of the Memphis Wolf River Greenway. \$25,000

**TEXAS****Botanic Gardens Conservation International (U.S.), Inc.**

Ex Situ Conservation of Four Imperiled Oak Species  
Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols. \$15,000

**Ducks Unlimited, Inc.**

Gulf Coast Migratory Waterfowl Habitat Enhancement  
Provide at least 20,000 acres of suitable alternative shorebird, wading bird, waterfowl, and secretive marsh bird habitat for fall migrant shorebirds, with maximum flooded acreage achieved during peak fall migration and winter periods in agricultural habitats in the Chenier Plain of Louisiana and Texas. \$2,500,000

**Friends of Rookery Bay, Inc.**

Developing a Regional Plan for Marine Protected Areas in the Southeast  
Develop a regional Marine Protected Area plan and a functional network within coastal states of the Gulf of Mexico and Southeast region. Plan will highlight priority actions and common interests. \$35,000

**Gulf Coast Bird Observatory**

American Oystercatcher Stewardship in Texas  
Reduce gaps in knowledge of the American Oystercatcher population status and breeding parameters on the Texas Gulf Coast. Project will enable the implementation of conservation strategies. \$100,000

**Playa Lakes Joint Venture**

Furthering New Mexico Lesser Prairie-Chicken Conservation  
Continue the restoration of Lesser Prairie-Chicken habitat, connecting already protected areas and

unfragmenting grassland habitat in southeastern New Mexico. \$249,466

**Society Tympanuchus Cupido Pinnatus, Ltd.**

Brood Survival of Attwater's Prairie Chickens  
Evaluate the effects of red imported fire ants on abundance of insect prey for Attwater's Prairie-Chickens. \$364,350

**Texas Parks and Wildlife Department**

North Shore Eagle Point Oyster Restoration  
Restore oyster reefs along the north shore of Eagle Point in Galveston Bay, Texas, as part of a multi-phase oyster restoration project. Project will restore a total of five acres of oyster habitat by placing reef patches in close proximity to privately owned piers and by involving citizen volunteers in stewardship of the reefs. \$47,999

**Texas Rice Industry Coalition for the Environment**

Private Lands Moist Soil Initiative — Texas Chenier Plain  
Create 1,395 acres of moist soil/wetland units in rice farmland and abandoned rice farmland on private lands in the area east of Galveston Bay in Chambers and Jefferson County, Texas. \$527,050

**Texas Rice Industry Coalition for the Environment**

Brazoria National Wildlife Refuge Wetlands and Prairie Restoration  
Restore, enhance, and create approximately 1,200 acres of wetland/moist soil unit habitat and restore approximately 15,000 acres of native prairie on the Brazoria National Wildlife Refuge. Project will implement numerous joint ventures and conservation programs, including the Texas Mottled Duck Conservation Plan, the International Shorebird Initiative, the Gulf Coast Joint Venture, the North American Waterfowl Plan, and many other initiatives for wading birds and grassland and upland bird species. \$125,000

**The Nature Conservancy**

Wetland Enhancement and Early Flood Up, Coastal Texas  
Provide flood water and wetland enhancements to offer productive habitat for migratory waterfowl and shorebirds to dissuade them from going to oil spill affected areas. \$136,762

**Trinity Commons Foundation**

Trinity River Wetland Restoration  
Establish wetland vegetation along Trinity River banks to provide stabilization and a natural habitat. Project staff will work closely with the Trinity Audubon Center to engage the community. \$25,000

**U.S. Fish and Wildlife Service**

Reddish Egret Conservation in Coastal Texas  
Use satellite telemetry to answer critical questions about the reddish egret's ecology including those that will determine its resilience in the face of large scale habitat loss. Long-term outcomes of this research will inform conservation needs for not only reddish egret, but other priority species using similar habitat on the Texas Gulf coast. \$81,992

**U.S. Fish and Wildlife Service**

Anahuac National Wildlife Refuge Moist Soil Management  
Increase on an annual basis the acreage of habitat available on Anahuac National Wildlife Refuge and provide increased acres of habitat this year for migrating/wintering shorebirds and waterfowl. \$362,000

**University of Tennessee**

Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**UTAH****Chicago Horticultural Society**

Testing Restoration Effectiveness Under a Changing Climate  
Evaluate genetic, functional, plant community, and pollinator outcomes of degraded and restored habitats under expected climate change. \$45,000

**Eastern Nevada Landscape Coalition**

Eastern Nevada / Western Utah Invasive Weed Control  
Continue the treatment and monitoring of invasive weeds across 4,410,750 acres within four Cooperative Weed Management Areas in eastern Nevada and western Utah. Project will target knapweed, pepperweed, tamarisk, Russian olive, thistle, hoary cress, and non-native thistles. \$83,075

**State of Colorado**

Gunnison Sage Grouse Conservation Implementation  
Work towards the protection and enhancement of habitat for the Gunnison sage grouse. Project will involve high-priority research and trap and transplant operations. \$400,140

**Trout Unlimited, Inc.**

Bear River Native Trout Restoration  
Restore and reconnect 210 miles of migration corridors and stream habitat to benefit Bonneville cutthroat trout and other native fish in the Bear River. \$90,000

**VERMONT****The Nature Conservancy**

Controlling Invasive Plants Through Forestry Management  
Provide technical resources and training to at least 1,500 private and public land managers to increase invasive weed management. Project will result in increased external capacity building. \$43,871

**Wildlife Management Institute**

Recovery of Eastern Shrubland-Dependent Birds – II  
Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

**VIRGINIA****Alice Ferguson Foundation**

Trash-Free Potomac Watershed Initiative  
Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys. \$75,000

**Center for Urban Environmental Research and Education**

Restoring Hydrologic Function in the Urban Landscape  
Advance the use of subsoiling, soil amendment practices, and pervious concrete to reduce urban runoff and restore infiltration in highly disturbed soils. Project will demonstrate design and implementation, perform consistent monitoring, and conduct targeted outreach, education, and technology transfer to regulatory, management, and practitioner communities throughout the Bay watershed. \$450,000

**Center for Watershed Protection, Inc.**

Rainwater Harvesting Systems in the James River Watershed  
Test and promote the benefits of rainwater harvesting in Virginia by demonstrating agricultural and urban applications at two sites in the James River watershed. Project will conduct educational and outreach activities about the conservation practice, monitor both systems, measure water use savings, and quantify the reduction in runoff affecting local streams. \$90,000

**Chesapeake Bay Foundation, Inc.**  
Onancock Creek  
Watershed Restoration

Engage farmers and watershed residents in a comprehensive effort to reduce nutrient and sediment loading to Onancock Creek. Project will implement urban stormwater management practices, restore riparian buffers, improve agricultural nitrogen use efficiency, and generate nutrient trading credits. \$500,000

**Cornell University**  
Golden-Winged Warbler  
Conservation Initiative – IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Ducks Unlimited, Inc.**  
Wetland and Upland  
Habitat Restoration  
Improve wildlife habitat and water quality through an integrated approach that includes direct habitat restoration, technical assistance on private lands, and conservation easements. Project will restore and enhance 1,009 acres of wetlands in Chincoteague National Wildlife Refuge and protect 500 acres of wetlands and uplands in other areas within the Chesapeake Bay watershed of Virginia. \$100,000

**Duke University**  
Determining the Origins  
of River Herring Bycatch  
Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers. \$310,902

**Friends of the John Smith  
Chesapeake Trail**  
Chesapeake Treasured Landscape  
Initiative (CTLI)  
Build and strengthen a lasting partnership of federal, state, local and private organizations to expand and

fully leverage funding appropriate to the region's circumstances and conservation needs. Project will target grant funds to lands that are part of a regional conservation strategy and defined as ecologically and culturally significant; leverage funding with private and other public funds so that public resources are maximized; partner with federal, state and local agencies, non-profit groups and businesses to ensure cooperative conservation of these landscapes; and, promote public engagement and enjoyment of natural and cultural assets of the Chesapeake. \$20,000

**James Madison University**  
Smith Creek Brook Trout Restoration  
Monitor the long-term recovery of ecological processes and outcomes in the Smith Creek basin's riparian forests resulting from fencing and tree planting efforts. \$78,732

**Manomet, Inc.**  
American Oystercatcher Recovery  
Unite the major organizations working on oystercatcher conservation coastwide and in Massachusetts to improve nesting success through control of predation and disturbance. \$241,274

**Maryland Department of Agriculture**  
Adaptive Cover Crop  
Management Tools  
Apply adaptive management tools statewide to accurately assess the performance of cover crop implementation within three targeted watersheds in Maryland, Virginia and Pennsylvania. Project will provide tools to measure large-scale winter cover crop productivity and nutrient uptake and create a web-based framework for sharing geospatial data sets that can be used to effectively manage winter cover crop programs for water quality protection. \$600,000

**Mountain Valleys Resource  
Conservation & Development Council**  
Support for the Southern  
Appalachian Cooperative Weed  
Management Partnership

Continue to support the Southern Appalachian Cooperative Weed Management Partnership to address invasive exotic plants. Project will employ invasive weed prevention, education, detection and control, evaluation, restoration, and cooperation in order to address invasive weed issues in the Southern Appalachian region. \$33,997

**Potomac Conservancy**  
Promoting Low Impact Development  
in Vulnerable Watersheds

Conduct a comprehensive analysis of how local policies can be improved to promote low impact development in the non-tidal portion of Virginia's Chesapeake Bay watershed. Project will assess 37 counties and cities, recommend code revisions in targeted localities, conduct outreach to local decision makers and the public, implement 30 demonstration projects, and sponsor a design competition. \$500,000

**Shenandoah Resource Conservation  
and Development Council**  
Creating a Culture of  
Conservation from Farm to Table  
Work with farmers in the Shenandoah Valley to reduce sediment pollution and optimize nitrogen and phosphorus management in food and fiber production. Project will develop whole-farm Continuous Improvement Plans, assess and verify conservation performance, and promote local food consumption as a way for the public to help farmers improve water quality. \$700,000

**The Nature Conservancy**  
Dragon Run Stewardship and  
Land Acquisition  
Partner with the Virginia Department of Forestry to protect approximately 56 miles of streams in the Dragon Run watershed. Project will add 5,400 acres to the state forest system, sell 13,350 acres to a

conservation buyer, and monitor all properties to ensure continued water quality protection. \$197,700

**The Nature Conservancy**  
Development of Cooperative  
Weed and Pest Management Area  
Develop a Cooperative Weed and Pest Management Area across jurisdictional boundaries in eastern West Virginia and Virginia. Project will help land management organizations, conservation organizations, agricultural interests, and others address the growing threat from non-native invasive species across the landscape. \$44,000

**The Piedmont Environmental  
Council, Inc.**  
Early Detection Rapid Response  
for Wavyleaf Basketgrass  
Establish a statewide steering committee to increase public awareness of wavyleaf basketgrass, coordinate mapping of new infestations, and promote rapid control actions. Project will determine the extent of wavyleaf basketgrass in Virginia, and work towards eradicating the weed statewide. \$49,700

**University of Tennessee**  
Eastern Grassland Bird Initiative  
Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species. \$442,500

**Virginia Polytechnic Institute  
and State University**  
Reducing Poultry House Emissions  
and Broiler Litter Runoff  
Work with farmers in Virginia to decrease nitrogen and phosphorus pollution from poultry house emissions and litter application. Project will install ammonia scrubbers on poultry house exhaust fans, add alum to litter before land application, and demonstrate the effects of these treatments on crop yields. \$700,000

**Water Stewardship, Inc.**  
Nutrient Load Estimator (NLE)  
Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool. \$93,629

**Wildlife Management Institute**  
Recovery of Eastern Shrubland-  
Dependent Birds - II  
Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands. \$265,706

## WASHINGTON

**Adopt-A-Stream Foundation**  
Little Swamp Creek  
Riparian Reforestation  
Work with two streamside land-owners on Little Swamp Creek who have agreed to replace lawn and non-native riparian plants with native trees and shrubs. \$11,311

**Cascadia Conservation District**  
Entiat River Community Cleanup  
Engage diverse community groups and natural resource agencies in a collaborative cleanup and riparian restoration along the Entiat River. Project will include trash cleanup, weed removal, and native plantings. \$18,600

**Chelan County Natural  
Resources Department**  
Ponderosa Community  
Riparian Enhancement  
Promote education, watershed stewardship, riparian habitat enhancement, and conservation to the Ponderosa Community residents who live adjacent to the Upper Wenatchee River. \$26,708

**Evergreen Funding Consultants**  
Community Participation  
Development Program – II  
Continue to develop a public outreach and assistance program in partnership with communities across Washington State to fund salmon habitat restoration projects that benefit fish and water quality. \$171,825

**Friends of Willapa National  
Wildlife Refuge**  
Interpretive Pocket Guides for  
Willapa Refuge Visitors  
Create pocket guides to educate refuge visitors on the local plants and animals found on the refuge. The guides will also be used by school groups and as part of the guided tours conducted on the refuge. \$4,995

**Jamestown S'Klallam Tribe**  
McDonald Creek Large Wood  
Recovery  
Collaborate with local landowners to address degraded conditions along lower McDonald Creek in the Dungeness Valley. Project will include installation of large woody debris at seven locations, removal of invasive plants from the floodplain, and replanting of the riparian area with over 500 cedar trees. \$50,000

**King County**  
Miller and Walker Creeks  
Noxious Weed Control  
Continue the noxious weed control efforts that have been carried out by the King County Noxious Weed Control Program on properties along Miller and Walker Creeks since 2005. \$30,501

**Kramer Consulting**  
Protect Puget Sound Shoreline  
Ecosystems  
Design quantifiable no net loss framework to enhance mandatory regulatory updates and implementation programs. Project will build regional political leadership to address shoreline protection issues. \$179,994

**Laurelhurst Apartments LLC**

Poulsbo Village Dogfish Creek Restoration

Restore and improve 200 linear feet of salmon habitat along Dogfish Creek. Project will support a partnership with a local fish biologist and North Kitsap Trout Unlimited for stewardship and education. \$15,000

**Marine Conservation Biology Institute**

Marine Protected Area Management Plan for Pacific Remote Islands Marine National Monument

Develop a strong ecosystem-based management plan and assess law enforcement needs for the Pacific Remote Islands Marine National Monument by facilitating meetings and workshops with scientists and government officials. \$50,000

**Methow Conservancy**

Methow Beaver Restoration

Restore beavers to habitat they once occupied and create improved habitat conditions in the Methow River watershed. Project will involve landowner outreach, community education, beaver transfer, effectiveness monitoring, water temperature and flow benefit measurement, and the evaluation of future potential release sites. \$32,694

**Methow Salmon Recovery Foundation**

Methow Valley Riparian Vegetation Enhancement

Conduct noxious weed control on approximately 18 acres of riparian properties along the Twisp and Methow Rivers. Project will implement treatment plans to be monitored and used in outreach to landowners for future riparian project development. \$29,971

**Mid-Sound Fisheries**

**Enhancement Group**  
Upper Kelsey Creek Salmon Habitat Restoration

Add Chinook salmon habitat and reduce erosion to private property within the upper Kelsey Creek ravine through the addition of large wood and gravel. \$75,000

**Mountains to Sound Greenway Trust**

Issaquah Creek Restoration at Lk Sammamish State Park 2010

Restore 8.5 acres of riparian habitat along 1,000 feet of Issaquah Creek. Project will emphasize controlling invasive weeds and re-establishing native plant communities. \$50,000

**Nisqually River Foundation**

Nisqually Estuary Restoration and Field Studies

Educate 500 local students about the largest estuary restoration project in the Pacific Northwest through trips to Nisqually National Wildlife Refuge. Students will participate in the revegetation of upland forest habitats along the newly restored estuary and participate in field studies on the refuge. \$9,997

**Northwest Straits Marine Conservation Foundation**

Deepwater Derelict Fishing Net and Rockfish Impact Survey

Test sidescan sonar surveys to identify deep water rockfish habitat and towed camera or small remotely operated underwater vehicle surveys to locate possible derelict fishing gear in deepwater habitat. \$47,000

**Northwest Watershed Institute**

Tarboo Creek and Bay Knotweed and Ivy Eradication

Remove a major infestation of Japanese knotweed and English ivy on a Washington Department of Fish and Wildlife Critical Habitat Preserve at the mouth of Tarboo Creek, and at smaller dispersed sites along Tarboo Bay. \$41,480

**Pend Oreille River Tourism Alliance**

Pend Oreille River Water Trail Salmonid Recovery – II

Engage stakeholders in salmonid recovery through tourism-based economic development. Project will establish a riparian restoration demonstration site, identify opportunities for habitat protection and enhancement projects, and conduct outreach to shoreline landowners and businesses. \$47,893

**Port Townsend Marine Science Society**

INSPIRE: Involving School Partners in Refuge Education

Work with Protection Island National Wildlife Refuge, Dungeness National Wildlife Refuge, Sequim High School students, and volunteers to present lessons on marine food webs and to conduct a Refuge stewardship project. \$10,000

**Puget Sound Restoration Fund**

Olympia Oyster Recovery in Puget Sound

Augment remnant Olympia oyster populations and accelerate the recruitment process for new populations, with the goal of creating healthy oyster populations that provide ecosystem services and benefits. \$198,300

**Seattle Public Utilities**

Cedar River Salmonid Habitat Enhancement Partnership

Coordinate invasive species control work on the Cedar River to improve spawning and rearing habitat for native fish, including Chinook salmon, steelhead and cutthroat trout. \$48,996

**South Puget Sound Salmon**

**Enhancement Group**  
McLane Creek Community Outreach and Project Development

Involve the local community members in development of salmon habitat restoration projects in their watershed. \$30,000

**South Puget Sound Salmon**

**Enhancement Group**  
Kennedy Creek Salmon Trail Community Viewing Platform

Continue a community-supported and volunteer-based education program hosted by the South Puget Sound Salmon Enhancement Group, Taylor Shellfish, and the Mason Conservation District. Project will rebuild a damaged viewing platform at the popular Kennedy Creek Salmon Trail. \$15,000

**Stillwaters Environmental Center**

Carpenter Creek Community Mapping

Connect the local community to watershed restoration through creation of an interactive web-based watershed map. Project will act as an extension and complement to previously funded estuary restoration and culvert replacement work. \$9,000

**Thurston Conservation District**

Beachcrest Low Impact Development Pilot

Improve Puget Sound water quality and salmon habitat through implementation of low impact development practices to treat and reduce stormwater runoff in the Beachcrest Development. \$17,691

**Trout Unlimited, Inc.**

North Central Washington Salmon Safe

Collaborate with the Salmon-Safe certification program to recognize farms, vineyards, and other operations that have or are adopting conservation practices that help restore native salmon habitat and improve water quality in North Central Washington rivers and streams. \$30,000

**Trout Unlimited, Inc.**

Improving Escapement Management for Salmon Recovery

Develop a model approach for establishing science-based Pacific salmon and steelhead escapement goals, which are essential to sound fishery management and the success of restoration efforts. \$59,960

**Upper Columbia Regional Fish**

**Enhancement Group**

Driscoll Island Riparian Restoration Plant and maintain native riparian vegetation on Driscoll Island, an important habitat area at the confluence of the Similkameen and Okanogan Rivers. \$11,000

**USDA Forest Service**

Coastal Cutthroat Trout Assessment

Develop science-based tools to assist state, federal, and tribal agencies assess the status of coastal cutthroat trout. Project will help agencies prioritize on the ground actions. \$50,250

**USDA-Forest Service,**

**Gifford Pinchot National Forest**

Native Wind River Steelhead Habitat and Passage Improvement

Remove Martha Creek Dam and four fish passage barrier culverts on Forest Roads 3056 and 30-136 in the Upper Wind River Watershed. Project will fully decommission the roads and passage will be restored for Endangered Species Act-listed steelhead. \$30,000

**Washington Department of Ecology**

Transaction Processing and Monitoring Program – VII

Assist in the selection, assessment, coordination, and management of water right acquisitions by Washington Water Trust, Washington Rivers Conservancy, and Ecology within the Columbia Basin in Washington State. \$136,813

**Washington State Department of Agriculture**

Pulling Together to Eradicate Common Crupina – IV

Pull and backpack spray common crupina in the Lake Chelan Sawtooth Wilderness and adjacent private lands. Project will protect sensitive native plants, improve grizzly bear and gray wolf habitat, and prevent the spread of common crupina by treating 300 acres and monitoring 1,000 acres. \$50,000

**Washington Water Trust**

Columbia Basin Strategic Plan – IX Identify, develop, and implement water transactions, focused in the Okanogan, Wenatchee and Yakima basins. Project will work collaboratively with willing landowners, community groups, tribes, and businesses. \$182,631

**Washington Water Trust**

Washington Water Trust – Walla Walla Basin Identify, develop, and implement water transactions, focused in the Walla Walla river basin. \$112,006

**WEST VIRGINIA****Cornell University**

Golden-Winged Warbler Conservation Initiative – IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Quality Deer Management Association**

Effects of Deer Population Structure and Dispersal on Disease Mitigation Efforts

Coordinate a genetic study of deer to guide chronic wasting disease management efforts. Study will assess population parameters and the role of habitat features in dispersal. \$37,776

**The Nature Conservancy**

Development of Cooperative Weed and Pest Management Area

Develop a Cooperative Weed and Pest Management Area across jurisdictional boundaries in eastern West Virginia and Virginia. Project will help land management organizations, conservation organizations, agricultural interests, and others address the growing threat from non-native invasive species across the landscape. \$44,000

**University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.

\$442,500

**Water Stewardship, Inc.****Nutrient Load Estimator (NLE)**

Develop and test the Nutrient Load Estimator (NLE) that uses available land use load information from the Chesapeake Bay Program Watershed Model (WSM) and other accepted protocols to calculate the impact of best management practices at a tract or community scale. The use of NLE will provide estimates very similar to what would be obtained if the WSM could be run for all projects and will allow comparison with the use of a standard tool.

\$93,629

**Wildlife Management Institute****Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.

\$265,706

**WISCONSIN****Cornell University****Golden-Winged Warbler Conservation Initiative - IV**

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds.

\$168,310

**Eagle Optics****Binoculars and Optics Loan Program on National Wildlife Refuges**

Provide binoculars to National Wildlife Refuges. Binoculars will be loaned to refuge visitors for use on trails, boardwalks, and other viewing areas.

\$41,669

**Friends of Necedah****National Wildlife Refuge****New Book Store at Necedah National Wildlife Refuge**

Relocate and increase capacity of book store. Project will consist of updating equipment, increasing inventory, hiring one paid position, and recruiting additional volunteers. Project will result in additional financial support for the Refuge.

\$5,000

**Friends of the Refuge Headwaters****Friends of the Refuge Headwaters Outreach and Conservation**

Develop community involvement in the Upper Mississippi River National Wildlife and Fish Refuge and increase outdoor activity of area children. Project will protect fish and wildlife and develop and awareness of the refuge.

\$3,464

**Kalmbach Publishing Co.****Birder's World Magazine at National Wildlife Refuges**

Supply refuges with visitor centers, visitor contact stations, or staffed administrative offices with birding magazines for three years. Providing three-year Birder's World Magazine subscriptions to refuges is an excellent way to keep refuge staff and volunteers up to date on many issues of interest to birders in the United States and the back issues will be kept as reference materials for staff to access in the future.

\$5,925

**Lake County Forest****Preserve District****Chiwaukee Illinois Beach Lake Plain Restoration**

Work with partners to control invasive plants across 509 acres and restore hydrology on 1,889 feet of swales and waterways. Benefits include restored coastal habitat, reconnection of wetlands, and improved hydrology.

\$998,557

**Lakeshore Natural Resource****Partnership, Inc.****Centerville Creek Restoration**

Restore the Centerville Creek, a tributary of Lake Michigan in Cleveland, Wisconsin. Project will restore a natural stream channel, remove invasive plants, and improve a degraded Lake Michigan beach.

\$149,791

**National Audubon Society****Floodplain Forest Bird Habitat Conservation on Private Lands**

Identify potential private lands that alone, or combined with adjacent public lands, can be managed to create one or more 1,700-acre lowland floodplain forest interiors in Important Bird Areas. Project will launch a pilot project to promote healthy floodplain forest management to private land-owners in and adjacent to highest-priority Important Bird Areas along the Upper Mississippi River.

\$62,607

**River Alliance of Wisconsin, Inc.****Clearing a Path: Revitalizing Lake Michigan's Sturgeon**

Construct a fish bypass around two dams on the Menominee River. Project will remove two barriers to downstream sturgeon migration and improve lake sturgeon population growth in Lake Michigan.

\$1,500,000

**Stewardship Network****Field Workshop Kit for the Great Lakes Region**

Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events.

\$15,000

**Stewardship Network****Garlic Mustard Challenge in the Great Lakes Basin**

Protect 500,000 acres while restoring impacted sites by pulling 150,000 pounds of garlic mustard. Project will raise awareness and enthusiasm for ecosystem restoration across the Great Lakes Basin.

\$15,000

**Trout Unlimited, Inc.****Driftless Brook Trout and Nongame Species Stream Restoration**

Restore and enhance stream and riparian habitat for native brook trout and nongame species. Project will train conservation staff and strengthen community partnerships in the Driftless Area Fish Habitat Partnership of the Midwest.

\$95,000

**University of Notre Dame****Enhancing Upper Great Lakes Native Brook Trout Populations**

Assess outcomes of Michigan and Wisconsin stream habitat enhancement efforts aimed at restoring brook trout populations.

\$20,000

**University of Tennessee****Eastern Grassland Bird Initiative**

Establish capacity to bring additional resources, partners, strategic guidance, and greater focus to the conservation of Northern Bobwhite and other declining grassland bird species.

\$442,500

**Vortex Optics****Optics and Field Guide Loan Program**

Expand the birding optics loan program at numerous refuges in each of the Fish and Wildlife Service's eight regions. Project will promote an important component of a Birder Friendly Refuge by helping to welcome and orient birders, and improve wildlife interpretation and education on the refuge.

\$65,000

**Wildlife Management Institute****Recovery of Eastern Shrubland-Dependent Birds - II**

Restore populations of shrubland dependent birds through a program of technical assistance and land management activities on public and private lands.

\$265,706

**WYOMING****Freedom to Roam****Wildlife Corridor****Communications and Marketing**

Build broad constituencies for wildlife corridors through far-reaching marketing strategies and increased communications capacity.

\$40,000

**Friends of the Teton River, Inc.****Teton River Tributary Yellowstone Cutthroat Trout Population Study**

Survey Teton River tributaries to identify trends in trout population. Project will facilitate study of native Yellowstone cutthroat trout.

\$9,800

**Teton Conservation District****Karns Meadow Stormwater Wetland**

Work with the Town of Jackson, Teton County, and Jackson Hole Land Trust to construct a wetland-based stormwater treatment system.

\$5,000

**Teton Conservation District****Fish Creek Ecosystem Evaluation and Protection**

Improve the understanding of water quality and ecosystem health in Fish Creek as it relates to its Class 1 stream designation.

\$30,000

**The Conservation Fund****Carney Conservation Easement**

Acquire a conservation easement on 2,409 acres with high value for the continued migration of the Grand Teton/Path of the Pronghorn antelope herd.

\$709,950

**Trout Unlimited, Inc.****Stream Restoration and Fish Conservation in Muddy Creek**

Implement habitat restoration and develop an education and outreach plan that benefits both cold-water and warm-water native fishes in Muddy Creek, Wyoming.

\$299,130

**Trout Unlimited, Inc.****Fish Passage Restoration in Spread Creek - II**

Remove a dam that currently blocks access to 40 miles of habitat. Project will involve installation of new fish friendly rock structure and restoration of Spread Creek channel.

\$78,556

**Trout Unlimited, Inc.****Bear River Native Trout Restoration**

Restore and reconnect 210 miles of migration corridors and stream habitat to benefit Bonneville cutthroat trout and other native fish in the Bear River.

\$90,000

**Wildlife Conservation Society (WCS)****Protecting Winter Habitat for the Path of the Pronghorn**

Identify and work to implement best management practices to promote coexistence of wintering migratory pronghorn and natural gas development in the Upper Green River Basin, Wyoming.

\$294,479

**Wyoming Game and Fish Department****Sommers-Grindstone Conservation Easement**

Acquire a conservation easement on 19,000 acres of private lands with high wildlife values in western Wyoming.

\$1,075,000

## INTERNATIONAL

### AFRICA

#### **Centre for Dolphin Studies, Nelson Mandela Metropolitan University**

Conservation of Dugongs of the Bazaruto Archipelago in Central Mozambique

Monitor and define the dugong population in the West Indian Ocean. Project will develop alternate livelihoods for fishermen in the Bazaruto Archipelago to minimize pressure on dugong populations. \$85,000

#### **Grzimek's Help for Wildlife, Inc. Black Rhino Translocation from South Africa to Tanzania**

Translocate 32 black rhinos from South Africa to the Serengeti National Park in Tanzania. The translocated rhinos will eventually connect the three rhino population areas in Tanzania resulting in the largest free-range population of Eastern black rhinos in the wild. \$565,000

#### **Wildlife Trust, Inc.**

Status and Conservation of the West African Manatee

Identify collaborators from every country in which the West African manatee occurs, build and train a network for manatee research, and analyze genetic samples throughout the species range. \$50,000

### ASIA, INDIA AND THE PACIFIC

#### **Botanic Gardens Conservation International (U.S.), Inc.**

Ex Situ Conservation of Four Imperiled Oak Species

Safeguard genetically diverse living collections of imperiled oak species from climate change and disease threats. Project will work with the U.S. Forest Service and botanic gardens in the United States and Australia to collect material from populations of four species of imperiled oak and develop propagation protocols. \$15,000

#### **Coalition of Reef Lovers**

Nutrient Pollution Reduction in American Samoa

Reduce nutrient run-off to coral reefs by testing 100 detergents for reactive and total phosphate content. Project will create a banned product identification manual for the customs authority to use to enforce the high-phosphate detergents ban in American Samoa. \$48,646

#### **The Coral Reef Alliance**

Coral Reef Sustainable Destination Model: Advancing Resilience in Kubulau, Fiji

Improve the management and financial capacity of the Kubulau Management Resource Committee in Fiji so that they will be fully autonomous in monitoring the reserve. \$55,000

#### **Coastal Conservation and Education Foundation, Inc.**

Reef Ecosystems Improvement through Effective Fisheries Governance

Address issues of overfishing and rapid degradation of coastal ecosystems which threaten fish stocks in Central Philippines with collapse. Project will improve coral cover and reef fisheries thru Marine Protected Area networking and ecosystem-based fisheries management tools. \$75,000

#### **Department of Wildlife and Biodiversity, Cambodia**

Cambodia National Tiger Action Plan

Restore and conserve at least one source site large enough to hold 25 breeding females. The project will develop a strategy and plan endorsed by the national government and international donors. \$30,000

#### **Kevin Layne Rhodes**

Improving Stakeholder Awareness for Fisheries Management in Micronesia

Conduct stakeholder awareness seminars and workshops to enable participatory development and implementation of a comprehensive fisheries management plan in Pohnpei. \$39,850

#### **Pacific Marine Resources Institute, Inc.**

Improving Data Use for Coral Reef Management in Micronesia

Enhance the local understanding and use of coral reef monitoring data throughout Micronesia by conducting a regional hands-on data management and processing workshop. \$35,861

#### **SeaWeb**

Coral Social Marketing Campaign in Laolao Bay, Northern Marianas Islands

Work with local partners to develop a social marketing campaign for the Commonwealth of the Northern Mariana Islands to promote the conservation of coral in Laolao Bay. \$85,500

#### **Wildlife Conservation Society**

Campaign Against Illegal Wildlife Trade in Laos

Promote wildlife conservation over wildlife trade. Project will use a variety of media to send strong messages about the illegality of wildlife trade and the benefits of conservation to both domestic and regional audiences, utilizing the opportunity presented by the 25th Southeast Asian Games in Vientiane. \$14,970

#### **Wildlife Conservation Society**

Capacity-building for HarimauKita, the Indonesian Tiger Conservation Forum

Strengthen the institutional capacity of the HarimauKita Forum to enable it to become the leading independent national focal-point for promoting the conservation of tigers in Indonesia. \$75,000

### CANADA

#### **Credit River Anglers Association**

Norval Dam Fish Ladder in Ontario

Work with the Ontario Ministry of Natural Resources to construct a fish ladder to pass Atlantic salmon, American eel, salmon, and trout. Project will work towards achieving fisheries management plan objectives. \$60,000

#### **Elgin Stewardship Council**

Habitat Restoration Along Brock Creek in Ontario

Work with a private landowner, to restore and conserve natural habitat on property along Brock Creek, a cold water tributary to Lake Erie. Project will involve the community in the restoration of 105 acres of marginal farm land. \$35,000

#### **Hamilton Port Authority**

Lake Herring and Lake Whitefish Spawning Shoal Restoration in Lake Ontario

Establish a spawning shoal for herring and whitefish in western Lake Ontario. Project will grade an artificial rock island and extend the shoal with additional rock and cobble. \$150,000

#### **Mingan Island Cetacean Study, Inc.**

Risks and Impacts of Crab Fishing Gear on Minke Whales

Investigate risks to minke whales foraging near crab fishing gear in shallow water. Project will test for behavioral and acoustic responses from whales that approach and feed near ropes. \$65,000

#### **Stewardship Network**

Field Workshop Kit for the Great Lakes Region

Develop and distribute Field Workshop Kits which will enable sponsors and practitioners of in-the-field workshops and workdays to quickly and effectively plan and host science-based events. \$15,000

#### **Trout Unlimited, Inc.**

Improving Escapement Management for Salmon Recovery

Develop a model approach for establishing science-based Pacific salmon and steelhead escapement goals, which are essential to sound fishery management and the success of restoration efforts. \$59,960

#### **Wildlife Management Institute**

Recovery of Eastern Shrubland-Dependent Birds - II

Restore populations of shrubland dependent birds through a program

of technical assistance and land management activities on public and private lands. \$265,706

### LATIN AMERICA AND THE CARRIBEAN

#### **American Bird Conservancy**

Priority Seabird Conservation

Protect priority seabirds on their breeding islands and at sea, reducing the impacts of invasive species, habitat loss, fisheries bycatch, and a range of other threats. \$173,000

#### **Caribbean Conservation Corporation, Inc.**

Hawksbill and Leatherback Research and Recovery in Panama

Recover key hawksbill and leatherback nesting populations on the Caribbean coast of Panama, through monitoring and conservation conducted in partnership with indigenous communities \$20,000

#### **Cornell University**

Golden-Winged Warbler Conservation Initiative - IV

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

#### **Equilibrio Azul**

Hawksbill Conservation in Coastal Ecuador

Apply research techniques to increase knowledge about the distribution, habitat preference, threats, and migratory paths of hawksbill turtles along the coast of Ecuador. \$35,000

#### **Fauna & Flora International, Inc.**

Hawksbill Conservation along Pacific Nicaragua

Establish a sea turtle conservation project at Estero Padre Ramos in Nicaragua. Project will identify additional priority conservation areas

and raise awareness of eastern Pacific hawksbill turtles in Nicaragua. \$45,115

#### **Fauna & Flora International, Inc.**

Leatherback Conservation on the Pacific Coast of Nicaragua

Conserve critically endangered leatherback turtles on the three of the most important nesting beaches on Nicaragua's Pacific Coast during two nesting seasons. Project will create a conservation program at the new Salamina beach. \$50,310

#### **Forest Trends Association**

Payment for Ecosystem Services to Finance Marine Protected Areas

Develop a demonstration project testing the applicability of marine payment for ecosystem services in San Andres Archipelago as a sustainable financing mechanism for Marine Protected Area management. \$50,000

#### **Fundación Zoológica de El Salvador**

Hawksbill Conservation in Los Cobanos Marine Protected Area of El Salvador

Work towards the recovery of hawksbill turtles in the eastern Pacific. Project activities will include the establishment of hawksbill hatcheries, implementation of an education campaign, local workshops and training sessions, and characterization of nesting hawksbills. \$35,182

#### **Gladys Porter Zoo**

Monitoring Post-nesting Movements of Kemp's Ridley Sea Turtles

Attach fifteen satellite transmitters to post-nesting Kemp's Ridley sea turtles in order to assess turtle movement in relation to the current oil spill. \$60,181

#### **Island Conservation**

Restoring Seabird Populations by Removing Invasive Species

Initiate planning and feasibility studies for non-native mammal eradication on Navassa Island in the Caribbean and the Juan Fernandez Islands and Isla Mocha in Chile. \$352,628

**Manomet, Inc.****Recovering Rufa Red Knots**

Employ science-driven, site-based conservation and rigorous success measures to recover the populations of the Rufa subspecies of Red Knots. \$314,713

**Pro Delphinus****Gillnet Impact Assessment and Mitigation from Ecuador to Chile**

Assess the types of gillnets operating at index ports in Ecuador and Chile and their threat to turtles. Project will test mitigation measures to reduce turtle bycatch in gillnets in Peru. \$42,005

**Southern Environmental Association****Improving Management of Marine Protected Areas in Belize**

Improve management of three marine protected areas in southern Belize by increasing coordination between the enforcement and science programs to support adaptive management. \$85,450

**Sustainable Grenadines Inc.****Strengthening Reef Management in the Grenada Bank**

Build reef management capacity in the Grenada Bank by strengthening networking, monitoring and evaluation, and decision-making for sustained marine and coastal conservation. \$70,000

**United Nations Environment Program — Caribbean Environment Program****Improving Capacity in the Wider Caribbean Region**

Create a responsible and sustainable marine mammal watching industry which serves as a contributor to the collection of scientific data and development of a scientific web-based database. \$78,515

**Wider Caribbean Sea Turtle Conservation Network (WIDECAST)****Pacific Hawksbill Assessment on the Osa Peninsula of Costa Rica**

Address threats to hawksbill turtles on the southern Pacific coast of Costa Rica. Project will protect nests against

erosion, predation, and poaching, and evaluate the magnitude of other impacts like bycatch, pollution and development of coast. \$20,000

**Wider Caribbean Sea Turtle Conservation Network (WIDECAST)****Nest Protection of Southeast Caribbean Sea Turtles**

Protect gravid leatherbacks and their eggs at four critical nesting grounds in the Caribbean bi-national area between Costa Rica and Panama. Project will work with communities, NGOs, and government agencies from both countries in carrying out activities to reduce the threats facing nesting and foraging sea turtles in this area. \$25,000

**MEXICO****Cornell University****Golden-Winged Warbler Conservation Initiative - IV**

Complete a comprehensive Golden-winged Warbler conservation plan, enabling land managers to target habitat prescriptions that will benefit the Golden-winged Warbler and early successional species on breeding and wintering grounds. \$168,310

**Grupo Tortuguero de las Californias, AC****Implementing Loggerhead Turtle Bycatch Reduction Solutions**

Reduce or eliminate bycatch of loggerheads in offshore fleet by substituting zero bycatch hook for gillnet fishing and facilitating market linkages for sustainably caught fish. \$108,050

**The Nature Conservancy****Grassland and Riparian Restoration in Mexico's San Pedro Basin**

Improve habitat for grassland sparrows and prairie dogs through grassland and riparian habitat restoration. \$200,000

**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, the Foundation acts as a neutral third-party fiduciary to governmental entities and others to manage funds for specific conservation purposes.

**ALASKA****Alaska Maritime****National Wildlife Refuge****Kittlitz's Murrelet Nest Site Selection and Nest Survival**

Gather information to aid in the recovery of the Kittlitz's Murrelet. \$15,600, *Federal Criminal Case*

**Bureau of Land Management****Avian Habitat and Nesting Use in the Northeast National Petroleum Reserve**

Determine the habitat use and nesting patterns of tundra birds at two sites in the National Petroleum Reserve in Alaska and compare with similar data obtained from oilfields. Project will guide the Bureau of Land Management's management of these habitats. \$43,882, *Federal Criminal Case*

**Copper River Watershed Project****Eccles Creek Enhancement: Building Coalitions for Salmonids**

Replace the Eccles Creek & Whiskey Creek culverts to improve salmonid access to spawning/rearing habitat. \$100,000, *Federal Criminal Case*

**Marine Exchange of Alaska****Aleutian Islands Risk Assessment—AIS Data**

Provide AIS Data for the risk assessment. \$28,500, *Federal Criminal Case*

**Nuka Research and Planning Group Inc.****Vessel Source Pollution Prevention Fund: Aleutian Island Risk Assessment**

Support the Aleutian Islands Risk Assessment advisory panel in convening to collect local knowledge and expertise on issues pertinent to the risk assessment. \$28,500, *Federal Criminal Case*

**Prince William Sound Science and Technology Institute****Montague Island: Critical Surfbird and Black Turnstone Stopover**

Document population, distribution, foraging and roosting sites, and conservation needs of migrant shorebirds. Project will inform oil spill contingency planning and guide resource managers. \$40,897, *Federal Criminal Case*

**Transportation Research Board of the National Academies****Peer Review Panel Facilitator**

Facilitate the activities of the Aleutian Islands Risk Assessment Peer Review Panel. \$48,700, *Federal Criminal Case*

**U.S. Fish and Wildlife Service — Alaska Maritime NWR****M/V Citrus Oil Spill Damage Restoration Plan**

Support completion of the oil spill damage restoration plan for the M/V Citrus oil spill. \$19,328, *Federal Criminal Case*

**CALIFORNIA****American Rivers, Inc.****San Gregorio Creek Watershed: Filling Critical Flow Needs**

Support collaborative project to implement an innovative approach to securing instream flows for aquatic habitat through water transfers. \$38,000, *Federal Criminal Case*

**Bolsa Chica Land Trust****CPR (Community Promoted Restoration) for Bolsa Chica**

Implement an on-the-ground collaborative habitat restoration plan for Bolsa Chica. Project uses sustainable innovative strategies for natural resource management and to encourage public participation. \$77,233, *Federal Criminal Case*

**California Department of Fish and Game****Sierra Resources Mitigation Account**

Replace, enhance or restore natural resources impacted at Summit Creek by the Santa Fe Pacific Pipeline oil spill. \$3,287, *State Civil Case*

**California Waterfowl Association****YBWA Glide Ranch Tidal Restoration Project**

Restore 750 acres of leveled irrigated pasture to a diversified palustrine emergent marsh with an associated upland buffer at the Yolo Bypass Wildlife Area. \$33,300, *State Civil Case*

**California State University****Long Beach Foundation****Collaboration with EPA Remedial Investigations — Barred Sandbass Tracking**

Conduct research to better understand where on the Palos Verdes Shelf the Barred Sandbass is being contaminated with DDT/PCBs. \$15,687, *Federal Civil Case*

**Carter Biological Consulting****Channel Islands Seabird Surveys - III**

Conduct various seabird surveys in support of the Montrose seabird restoration projects on the Channel Islands. \$114,223, *Federal Civil Case*

**Conservation Biology Institute****California Desert Renewable Energy Conservation Plan**

Provide services as facilitator and lead advisor for the California Desert Renewable Energy Conservation Plan. \$96,700, *Mitigation*

**Desert Tortoise Preserve Committee****Desert Tortoise Habitat Restoration Project**

Support habitat improvements on a 30-acre tract of land in San Joaquin County for the benefit of desert tortoise. \$7,100, *State Civil Case*

**Ducks Unlimited, Inc.****Dwarf Eelgrass Eradication Project**

Eradicate multiple dwarf eelgrass infestations on the northern California coast, which threaten feeding grounds for migratory shorebirds. \$40,294, *Federal Criminal Case*

**Ducks Unlimited, Inc.****Eden Landing Salt Ponds Tidal Wetland Restoration Project**

Restore 630 acres of tidal marsh along San Francisco Bay by re-establishing tidal flow to former salt ponds within the the Eden Landing Ecological Reserve. \$580,000, *Federal Criminal Case*

**Ducks Unlimited, Inc.****Lake Earl Western Grebe Project**

Install fencing to reduce disturbance to nesting grebes, install kiosks to inform the public about the sensitivity of nesting western grebes, and monitor nest success and disturbances to nesting. \$81,767, *Federal Civil Case*

**Earth Island Institute, Inc.****Lion Creek Project, Ventura River Watershed**

Restore approximately 9.5 miles of steelhead habitat along Lion Creek in the Ventura River watershed. Project removes an existing concrete culvert and installs a bridge and native vegetation. \$104,883, *Federal Criminal Case*

**Ebbin Moser and Skaggs, LLP****California Desert Renewable Energy Conservation Plan**

Provide services as policy strategic advisors for the California Desert Renewable Energy Conservation Plan. \$75,000, *Mitigation*

**Golden Gate National Parks Conservancy****Redwood Creek Restoration at Muir Beach**

Restore in-stream habitat for Coho salmon and steelhead trout, and breeding habitat for the California red-legged frog. Engage local community through volunteer stewardship, education, and youth programs. \$48,000, *Federal Criminal Case*

### **Growing Solutions Restoration Education Institute**

#### **Channel Islands Seabird Habitat Restoration Work**

Provide periodic consultation on nursery planning and infrastructure, and work with Channel Islands National Park to provide a volunteer group in fall 2010 for outplanting efforts on Santa Barbara Island. \$9,706, *Federal Civil Case*

### **Hidden Valley Community Association Miner's Ravine Restoration**

Support the re-establishment of the natural stream corridor of Miner Ravine through the Hidden Valley Estates subdivision in Granite Bay. \$28,000, *State Civil Case*

### **Humboldt State University Sponsored Programs Foundation**

#### **Myxozoan Fish Disease Research and Monitoring — Humboldt State University**

Provide quantification of water hydraulics and sediment compositions that are likely to produce mortality of polychaetes to inform sediment augmentation and flow manipulations experimental control actions. \$101,803, *Mitigation*

### **Karuk Tribe**

#### **Myxozoan Fish Disease Research and Monitoring — Karuk Tribe**

Measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores. \$42,338, *Settlement*

### **Karuk Tribe**

#### **Seiad Creek Channel Restoration and Habitat Enhancement - Phase 1**

Work with key landowners along Seiad Creek, a tributary of the Klamath River identified for high densities of spawning and rearing Coho, to conduct necessary planning and permitting for Phase One of a large-scale channel restoration and habitat enhancement project located on the Durazo Property. \$100,000, *Settlement*

### **Leslie Warren**

Warren Property Riparian Restoration Prevent further dewatering in the large wetland on the Warren Property by placing four dams and two berms within the wetlands. \$35,910, *Mitigation*

### **Literacy For Environmental Justice Heron's Head Park Restoration**

Continue habitat enhancement, maintenance and monitoring of an 8-acre wetland restoration project at Heron's Head Park. \$69,112, *Federal Civil Case*

### **Mid Klamath Watershed Council Seiad Creek Off-Channel Pond Habitat Construction**

This project involves a series of activities designed to create or improve existing off-channel Coho salmon habitat along Seiad Creek. \$37,850, *Settlement*

### **The Nature Conservancy Habitat Enhancement/Restoration Benefitting Listed Species**

Treat 428 populations of 17 species of habitat-modifying weeds on the portion of Santa Cruz Island owned and managed by The Nature Conservancy to improve habitat for 12 island endemic species. \$104,883, *Federal Criminal Case*

### **Oikonos — Ecosystem Knowledge Ano Nuevo Island Seabird Habitat Restoration**

Increase the number of breeding Rhinoceros Auklets on Ano Nuevo Island by restoring and creating quality breeding habitat. \$402,706, *Federal Civil Case*

### **Oregon State University**

Myxozoan Fish Disease Research and Monitoring — Oregon State University Measure the distribution and relative density of polychaetes at established index sites with greater spatial coverage (cross sectional and longitudinal) to include different polychaete habitat types; and measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores. \$88,269, *Settlement*

### **Pavement MSRP**

**Educational Kiosk Displays** Create educational kiosks related to providing public information to restore lost fishing services in California. \$215,010, *Federal Civil Case*

### **Pomona College**

Seabird Prey and Oceanographic Conditions - II Assess seabird prey and oceanographic conditions surrounding Santa Barbara Island. \$43,175, *Federal Civil Case*

### **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. \$53,626, *Mitigation*

### **Regents of the University of California — Davis**

#### **Sea Otter Health and Recovery: Public Outreach II**

Expand and improve public outreach to encourage political, social and infrastructure changes needed to address pollution and issues that are impeding sea otter recovery. \$81,008, *Federal Civil Case*

### **Sacramento Valley Conservancy**

Cumming Stahos Riparian Restoration Acquire 43 acres of land adjacent to the Deer Creek Hills Oak Woodland Preserve. \$335,357, *Mitigation*

### **San Bernardino County Tax Collector**

Delhi Sands Flower Loving Fly Conservation Fund Provide ongoing maintenance to land in San Bernardino County containing Delhi Sands Flower-loving Fly habitat. \$7,859, *Mitigation*

### **Santa Monica Bay Restoration Foundation**

Kelp Forest Restoration Baseline Monitoring and Project Development Monitor rocky reef habitats off of Malibu and Palos Verdes to reference site defication and baseline

monitoring, and to develop an outreach program so that Montrose Settlement Restoration Program trustees can fully evaluate the current, ongoing project. \$99,733, *Federal Civil Case*

### **Simon Fraser University**

#### **Channel Islands Ashy Storm-Petrel Studies**

Investigate the behavioral effects associated with the use of social attraction techniques on the Ashy Storm-Petrel colony at Orizaba Rock near Santa Cruz Island to evaluate the degree of restoration success, and to develop recommendations for other locations. \$29,122, *Federal Civil Case*

### **Siskiyou Resource Conservation District**

#### **Denny Ditch Fish Screen Design and Build**

Design and install a fish screen on the Denny Ditch. \$145,389, *Mitigation*

### **Siskiyou Resource Conservation District**

#### **Fish Passage in the Scott River - Shackleford Creek and Etna Creek**

Re-profile the Shackleford Creek and Etna Creek diversion ditches to eliminate diversion structures which are current fish passage barriers during seasonal low-flow periods. \$160,000, *Settlement*

### **University of California — Santa Cruz**

#### **Sea Otter Health and Recovery: Public Outreach I**

Develop an informational exhibit kiosk inside the University of California, Santa Cruz's Seymour Marine Discovery Center public visitor hall and a series of public informational meetings focused on the challenges facing sea otters. \$38,000, *Federal Civil Case*

### **Urban Wildlands Group, Inc.**

#### **Lange's Metalmark Butterfly Captive Breeding Rearing Project**

Continue captive rearing of the Lange's metalmark butterfly for the 2010 and 2011 season. \$55,000, *Species Recovery Funds*

### **USDA Forest Service**

Leland Watershed Improvement Project Assist in restoring hydrologic function at Fiddlers Green Meadow. \$30,000, *Mitigation*

### **Westervelt Ecological Services**

Consumnes Bank Payment Purchase nine floodplain mosaic re-establishment wetland credits from the Cosumnes Mitigation Bank in Sacramento County. \$1,117,000, *Mitigation*

### **Westervelt Ecological Services**

Van Vleck Ranch Bank Payment Purchase two vernal pool credits from the Van Vleck Ranch Mitigation Bank in Sacramento County. \$585,750, *Mitigation*

### **Yurok Tribe**

#### **Myxozoan Fish Disease Research and Monitoring — Yurok Tribal Fisheries Program**

Measure the distribution and relative density of polychaetes at established index sites with greater spatial coverage (cross sectional and longitudinal) to include different polychaete habitat types; measure how polychaete relative density, population structure, and infection prevalence change on an annual cycle; and measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores. \$88,573, *Settlement*

## **COLORADO**

### **Cal Poly Corporation**

#### **State of Colorado Agreement — San Juan Fish Recovery Program Fund**

Provide modeling and develop automation control on the Hogback Fish Barrier as part of a larger effort to aid in the recovery of endangered fish on the San Juan River. \$42,323, *Mitigation*

### **The Phillips Studio**

#### **Upper Colorado Fish Recovery Program Fund**

Provide funding for Upper Colorado Fish Recovery Program outreach materials. \$3,928, *Mitigation*

## **DELAWARE**

### **Delaware Riverkeeper Network Restoration Assistance for the Delaware Estuary**

Host an intensive workshop and provide technical assistance to project-ready municipalities in the Delaware Estuary. Project aims to maximize ecological benefits and encourage long-term monitoring and management. \$49,872, *Federal Criminal Case*

### **The Nature Conservancy**

#### **Delaware River Basin Riverine and Wetland Areas Prioritization**

Work with partners to identify priority places to protect or restore riverine habitats across the entire Delaware River Basin. \$396,016, *Federal Criminal Case*

### **New Castle Conservation District**

#### **Restoration of Naamans Creek at Harvey Mill Park Stream**

Stabilize approximately 450 feet of an actively eroding and highly degraded stream located in New Castle County, Delaware. Project includes stream realignment, step morphology, placement of rock J hook, cross vane construction, and overall enhancement of aquatic, wetland, riparian, and upland habitats. \$50,000, *Federal Criminal Case*

## **DISTRICT OF COLUMBIA**

### **Alice Ferguson Foundation**

#### **Trash-Free Potomac Watershed Initiative**

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys. \$37,500, *State Criminal Case*

### National Association of Gateway Communities

Anne Beers Elementary School Tree Planting

Plant 15 mature willow oak and sycamore trees at Anne Beers Elementary School in Washington, DC. Project will reduce stormwater runoff to the Anacostia River and provide educational opportunities for the school's outdoor science classroom. \$15,000, *State Criminal Case*

### FLORIDA

#### Sanctuaries, Refuges, and Parks of the FL Keys Hammer Restitution Fund

Provide equipment to aid in the location, identification, and abatement of resource violations. \$7,827, *Federal Criminal Case*

### MAINE

#### Environmental Defense Fund, Inc. Incentive-Based Tools to Restore River Herring in Maine

Conduct research, technical analyses, and outreach to develop a catch share system to manage bycatch mortality of the Atlantic herring fishery, which is severely impacting river herring. \$69,614, *Federal Criminal Case*

#### Friends of Casco Bay

Friends of Casco Bay's Marine Education Campaign

Support Friends of Casco Bay's Marine Education Campaign, a multi-faceted outreach effort to educate coastal residents, boaters, and students about marine stewardship with the goal of protecting the bay. \$34,000, *Federal Criminal Case*

#### Friends of Scarborough Marsh

Gervais Farm Conservation Project: Scarborough, Maine

Acquire a 45-acre parcel of upland/wetland habitat to be incorporated into the 3100-acre Scarborough Marsh Wildlife Management Area. \$65,000, *Federal Criminal Case*

#### Gulf of Maine Research Institute

Alewife Stock Structure in the Gulf of Maine

Quantify and define alewife stock structure in coastal Maine watersheds. Evaluate potential impact of high-mortality events (bycatch, oil spills) on these stocks in the Gulf of Maine. \$275,712, *Federal Criminal Case*

#### Gulf of Maine Research Institute

Applying an Environmental Management System to Reduce Bycatch and Improve Fishery Outcomes

Apply an Environmental Management System to build a new trawl, reduce bycatch, demonstrate positive environmental stewardship, achieve economic security, and rebuild coastal communities. \$194,127, *Federal Criminal Case*

#### Gulf of Maine Lobster Foundation

Derelict Lobster Gear Retrieval, Salvage & Disposal

With the assistance of volunteer lobstermen, retrieve thousands of derelict lobster traps in a two-year phased effort for two days at seven sites off the Maine coast. Gear will be sorted and recycled or burned for energy. \$200,000, *Federal Criminal Case*

#### Maine Audubon Society

Restoring Piping Plover and Least Tern Populations in Maine

Develop and implement an integrated predator management plan for piping plovers on key nesting beaches in Maine. Project also involves outreach efforts to reduce community disturbance to nesting areas. \$72,465, *Federal Criminal Case*

#### Maine Coast Heritage Trust

Bunganuc Point — Maquoit Bay

Conserve 2,200 feet of shoreline and 72 acres of wetland and upland buffer habitat, including prime waterfowl and wading bird habitat. \$100,000, *Federal Criminal Case*

#### Maine Coast Heritage Trust

Adding Compass Island to National Wildlife Refuge

Acquire a coastal, nationally significant, seabird nesting island, for the Maine Coastal Islands National Wildlife Refuge. \$225,000, *Federal Criminal Case*

### Maine Council of the Atlantic Salmon Federation

Sea-Run Fish Restoration in Blackman Stream

Construct a 200-foot long rock/pool fishway at a dam on Blackman Stream in the Penobscot watershed. \$18,500, *Federal Criminal Case*

### Maine Department of Marine Resources

Bycatch Survey of the Atlantic Herring Bottom Trawl Fishery

Use At Sea Observers to document bycatch in the small mesh bottom trawl fishery targeting Atlantic herring. \$226,996, *Federal Criminal Case*

### Penobscot River Restoration Trust

Veazie Dam Removal Final Engineering Design Work

Finalize engineering design work for Veazie Dam removal in order to restore access to historic habitat for native migratory sea-run fish through the Penobscot River Restoration Project. \$225,000, *Federal Criminal Case*

### State of Maine, Department of Marine Resources

Kennebec River  
Restore anadromous and catadromous fisheries to the Kennebec River. This project also aids in the removal of Edwards Dam. \$171,509, *State Criminal Case*

### Tufts University

Beached Bird Surveys: A Baseline for Oil Spills in Maine

Use beached bird surveys to quantify baseline rates of seabird mortality, do necropsies to identify causes of baseline mortality, and forge key partnerships to sustain consistent monitoring in Maine. \$75,870, *Federal Criminal Case*

### MARYLAND

#### Alice Ferguson Foundation

Trash-Free Potomac Watershed Initiative

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public

education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys. \$37,500, *State Criminal Case*

### Alliance for Community Education

Manhattan Beach Stormwater Restoration

Work with residents of Manhattan Beach, Maryland to replace three acres of impervious road surface with a regenerative stormwater system. Project will conduct community outreach and education, engage volunteers, plant a magnolia bog, monitor water quality, and reduce the amount of runoff pollution entering the Magothy River. \$17,944, *Federal Criminal Case*

### Sassafras River Association, Inc.

Sassafras River Watershed Action Plan

Develop a comprehensive restoration plan for the Sassafras River and educate local communities about best practices for nutrient management. Collaborate with landowners to achieve the equivalent of 100 septic system upgrades, control nutrient runoff from 100 acres of residential lawns, plant 5,000 acres of cover crops, and reduce annual pollutant loads to the river by approximately 23,981 pounds of total nitrogen and 2,739 pounds of total phosphorus. \$100,000, *Federal Criminal Case*

### Savage River Watershed Association, Inc.

Savage River Fish Barrier Removal

Restore natural stream conditions to a 1,000-foot reach of the Savage River, a native brook trout fishery in Garrett County, Maryland. Project will open 2.5 stream miles to fish migration, construct in-stream habitat structures, decrease water temperature, and stabilize the riparian zone by planting buffers and converting an existing reservoir into a wetland. \$22,816.0, *Federal Criminal Case*

### Spa Creek Conservancy, Inc.

St. Martin's Stormwater Retrofit

Implement best practices for stormwater management at St. Martin's Lutheran Church in Annapolis, Maryland. Project will design and install rain gardens and bioretention cells to treat approximately 90 percent of runoff from two acres of impervious surfaces. \$109,240, *Federal Criminal Case*

### MASSACHUSETTS

#### Maine Department of Marine Resources

Bycatch Survey of the Atlantic Herring Bottom Trawl Fishery

Use at-sea observers to document bycatch in the small mesh bottom trawl fishery targeting Atlantic herring. \$226,996, *Federal Criminal Case*

#### University of Massachusetts

River Herring Bycatch Avoidance In Small Mesh Fisheries

Reduce river herring bycatch in the herring and mackerel fisheries off the New Jersey coast. \$117,500, *Federal Criminal Case*

### MISSOURI

#### Various Recipients

Ready Fish Prosecution Fund

Provide equipment and resources to aid in commercial fisheries enforcement on the Mississippi River. \$23,942, *Federal Criminal Case*

### MONTANA

#### Montana State University

Demography of Montana Golden Eagles with Emphasis on Age Specific Survival

Provide vital rate estimates for inclusion in the Hunt model and information on ecological events that drive those rates, which will be used to support the decisions for managing Golden Eagles in the western U.S. \$168,932, *Federal Criminal Case*

### NEBRASKA

#### Cook Construction

Platte River Recovery Fund

Restore riverine habitat along the central Platte River in Nebraska by removing undesirable vegetation

from six miles of river channel and sandbar/island habitat. Project also restores riverine roosting habitat for whooping and sandhill cranes, and nesting and foraging habitat for least terns and piping plovers. \$22,812, *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. \$2,039,895, *Mitigation*

### NEW HAMPSHIRE

#### Maine Department of Marine Resources

Bycatch Survey of the Atlantic Herring Bottom Trawl Fishery

Use at-sea observers to document bycatch in the small mesh bottom trawl fishery targeting Atlantic herring. \$226,996, *Federal Criminal Case*

### NEW JERSEY

#### 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. \$75,000, *Federal Criminal Case*

#### BoatU.S. Foundation for Boating Safety and Clean Water

Marina Spill Prevention and HAZMAT First Responders Training  
Equip New Jersey marina personnel with the tools and training necessary to quickly and appropriately respond to fuel and oil spills in or near their marinas. \$178,000, *Federal Criminal Case*

#### Conserve Wildlife Foundation of New Jersey, Inc.

Protecting Shorebirds with Stewards on the Delaware Bayshore

Deploy Shorebird Stewards to nine area beaches on the Delaware Bay to protect beach closings and educate the public about the importance of minimizing disturbance to shorebirds. \$50,000, *Federal Criminal Case*

#### **Conserve Wildlife Foundation of New Jersey**

Southern New Jersey American Oystercatcher Conservation

Hire a monitor to increase protection during the breeding season and gather fall use data. Information will be used to develop management plans, predator strategies, and regulatory measures.

\$30,000, *Federal Criminal Case*

#### **D&R Greenway Land Trust, Inc.** Ecological Restoration at Cadwalader Park

Restore a degraded urban tributary of the Delaware River and its riparian buffers to improve water quality, increase floodwater storage and biodiversity, and provide environmental education.

\$33,750, *Federal Criminal Case*

#### **Delaware Riverkeeper Network Restoration**

Assistance for the Delaware Estuary Host an intensive workshop and provide technical assistance to project-ready municipalities in the Delaware Estuary. Project aims to maximize ecological benefits and encourage long-term monitoring and management.

\$49,872, *Federal Criminal Case*

#### **Duke University**

Determining the Origins of River Herring Bycatch

Determine the natal origins of river herring bycatch using a combination of molecular genetic and otolith geochemical markers.

\$117,489, *Federal Criminal Case*

#### **Georgian Court University**

Asiatic Sand Sedge Eradication and Native Dune Restoration

Remove invasive Asiatic sand sedge and restore critical habitat for threatened and endangered species in coastal dune systems in Monmouth and Ocean County, New Jersey.

\$40,000, *Federal Criminal Case*

#### **Musconetcong Watershed Association**

Removal of Riegelsville Dam

Remove the Riegelsville Dam.

The structure consists of a remnant timber crib foundation that extends above normal water levels and spans the width of the channel.

\$50,000, *Federal Criminal Case*

#### **National Park Service**

Removal of Marine Debris from North Beach, Sandy Hook

Collect and dispose of 90-120 cubic yards of non-hazardous stranded marine debris from a beach-dune habitat. The beach is critical to beach-nesting birds and other waterbirds.

\$46,000, *Federal Criminal Case*

#### **The Nature Conservancy**

Delaware River Basin Riverine and Wetland Areas Prioritization

Work with partners to identify priority places to protect or restore riverine habitats across the entire Delaware River Basin.

\$396,016, *Federal Criminal Case*

#### **New Jersey Marine Sciences Consortium**

Vessel Wash Wastewater Systems

Provide funding to marinas to purchase and install vessel wash wastewater systems. The systems will prevent wastewater from entering the water and harming aquatic life.

\$130,000, *Federal Criminal Case*

#### **New Jersey Audubon Society** Clean Cape May's Marine and Coastal Habitats

Remove marine debris and improve coastal habitats in Cape May Harbor and adjacent wetlands. Enhance community involvement through a five-tiered education approach.

\$39,999, *Federal Criminal Case*

#### **New Jersey Audubon Society** Importance of Soft-Sediment Habitat to Migrating Shorebirds

Assess importance of soft-sediment habitat for migratory shorebirds in Delaware Bay by evaluating food resources and their contribution to energy accumulation. Project identifies impoundment management as a target outcome.

\$40,000, *Federal Criminal Case*

#### **New Jersey Audubon Society**

Migrant Shorebird Surveys in NJ: A Citizen Science Approach

Through the New Jersey Audubon Citizen Science program, recruit and train volunteers, and continue and expand existing shorebird surveys along the coast of New Jersey and the Hackensack Meadowlands.

\$47,125, *Federal Criminal Case*

#### **U.S. Fish and Wildlife Service**

Debris Removal on the Edwin B. Forsythe National Wildlife Refuge

Remove debris along upper edge of tidal marsh north of Mott's Creek Road on the Edwin B. Forsythe National Wildlife Refuge.

\$29,500, *Federal Criminal Case*

#### **NEW MEXICO**

##### **Keller-Bliesner Engineering**

Block 3 Fish Rearing Pond Improvements

Focus on the design and construction supervision of the installation of gravel access ramps to the harvest kettles of Hidden Pond and West Avocet Pond located on the Navajo Indian Irrigation Project, south of Farmington.

\$10,897, *Mitigation*

#### **NEW YORK**

##### **American Littoral Society**

Jamaica Bay Debris Removal & Marsh Restoration

Remove large debris from Jamaica Bay through CleanSweep program to allow marsh grass to regenerate, benefit water quality, and provide enhanced habitat for birds, diamondback terrapins, and fish.

\$40,990, *State Civil Case*

##### **Bronx River Alliance, Inc.**

Muskrat Cove Pipe Remediation and Streambank Restoration

Remediate the ecological damage caused by excessive flows from a stormwater discharge pipe and restore the damaged streambanks.

\$148,569, *State Criminal Case*

##### **Cooper Environmental Research**

Effect of Dam Removal on Aquatic Communities in the Salmon River

Study the effects of the Fort Covington Dam removal on aquatic communities in the Salmon River.

\$99,440, *Mitigation*

##### **GrowNYC**

Rainwater Harvesting Systems in Community Gardens

Install rainwater harvesting systems in five community gardens within the watershed. The impact of the systems will be monitored by area high school students.

\$61,694, *State Criminal Case*

##### **Nassau County, New York**

Water Pollution Control Plan Consolidation

Prepare a design to allow consolidation of infrastructure and take the Cedarhurst Water Pollution Control Plant offline.

\$200,154, *Federal Criminal Case*

##### **The Nature Conservancy**

Delaware River Basin Riverine and Wetland Areas Prioritization

Work with partners to identify priority places to protect or restore riverine habitats across the entire Delaware River Basin.

\$396,016, *Federal Criminal Case*

##### **New York Botanical Garden**

The Stone Mill Landscape: Stormwater Retrofit Project

Treat storm water from existing outflows along the east shoreline of the Bronx River in the vicinity of The Lillian and Amy Goldman Stone Mill and Stone Mill Bridge.

\$349,599, *State Criminal Case*

##### **Norton Basin Edgemere Stewardship Group**

Norton Basin Migratory Bird Sanctuary

Safeguard wetland and adjacent upland at Norton Basin of Jamaica Bay. Remove invasive species and floatable debris, and maintain a natural buffer between Jamaica Bay and the Edgemere community.

\$46,449, *State Civil Case*

##### **The Point Community**

**Development Corporation**  
The South Bronx Community Green Roof Project

Install a community green roof on a facility in the South Bronx to help reduce stormwater outfalls and improve water quality and river ecology along the Bronx River.

\$149,793, *State Criminal Case*

##### **Raritan Baykeeper, Inc.**

Jamaica Bay Pumpout Boat Program - II

Continue to provide free pump out services and provide educational information to recreational boaters in the Jamaica Bay area of New York.

\$79,217, *State Civil Case*

##### **The Research Foundation of State University of New York**

Impacts of Oyster Restoration on Jamaica Bay Water Quality Measure oyster feeding/physiological rates in Jamaica Bay waters to parameterize a model of the impacts of restored oyster populations on the bay's water quality.

\$142,416, *State Civil Case*

##### **The Research Foundation of State University of New York**

The Effects of Nutrients on Algae in Jamaica Bay

Establish the spatial and temporal dynamics of algal communities in Jamaica Bay, the effects of nutrients on the biomass, species composition and oxygen demand of these communities.

\$171,064, *State Civil Case*

##### **Rockaway Waterfront Alliance, Inc.**

Rockaway Marine Conservation Corps Program

Remove marine debris, restore oysters, and conduct restorative plantings along the Rockaway shoreline.

\$60,000, *State Civil Case*

##### **Thousand Islands Land Trust**

Crooked Creek — Butterfield Marsh Land Acquisition

Through the acquisition of the 354 acre Butterfield Marsh property, permanently preserve 9,500 linear feet of emergent wetlands. This will be added to the Thousand Islands Land Trust—Crooked Creek Preserve which protects over four miles of emergent wetlands currently protected by the 1,200 acre preserve.

\$262,000, *Mitigation*

##### **Town of Eastchester, New York** **Water Quality Improvements**

Eastchester, NY, Highway Garage

Installation of Structural Best Management Practices to capture pollutants generated from the Eastchester, NY Highway Garage site, located on Burnham Road, Eastchester, New York, and eliminate their migrating to the Bronx River

\$169,550, *State Criminal Case*

##### **Town of Fort Covington**

Salmon River Restoration: Post-Dam Removal Activities

Assist the Town of Fort Covington in meeting the unanticipated financial expenses associated with the removal of the Fort Covington Dam.

\$55,000, *Mitigation*

##### **Various Recipients**

St. Lawrence Fish Mitigation and Research Fund

Provide funding for research and fish passage projects designed to support the protection, mitigation, and enhancement of fish in the St. Lawrence River.

\$320,289, *Mitigation*

##### **Village of Ardsley**

Stormwater Best Management at Ashford Park Restoration

Implement stormwater management projects at Ashford Park, NY (located on the Sprain Brook tributary), such as installation of a porous pavement traffic circle and walkway, a rain barrel with receiving rain garden, and native plant landscaping to improve the site.

\$51,086, *State Criminal Case*

**Westchester County****Department of Planning**

Bronx River Streambank Stabilization and Wetland Restoration

Stabilize and restore eroded stream-bank, riparian buffer, and freshwater wetland to strengthen the embankment of the Bronx River adjacent to the Bronx River Parkway in the Bronx River Parkway Reservation in White Plains, New York. \$350,000, *State Criminal Case*

**OREGON****Benton Soil and Water Conservation District**

Oak Creek Landowner Recruitment for Riparian Restoration

Provide capacity to conduct watershed-wide outreach to approximately 57 landowners in the Oak Creek watershed for riparian restoration.

\$41,388, *Federal Criminal Case*

**Cascade Pacific Resource Conservation and Development Area, Inc.**

Fifteen Willamette Valley CREP Plans from Signup to CPO

Fill technical assistance gap aimed at safeguarding current and future landowner interest in the Conservation Reserve Enhancement Program Plans. \$45,000, *Federal Criminal Case*

**Columbia Land Trust**

Youngs River Island Habitat Restoration

Restore 80 acres of intertidal wetland habitat through a dike-breach, control of invasive plants, and planting of 4,750 native trees and shrubs. \$37,000, *Federal Criminal Case*

**Eugene Water and Electric Board**

McKenzie Watershed Healthy Farms Clean Water Program

Conduct workshops with McKenzie Watershed growers to access opportunities in energy, certification, conservation, local food, and chemical disposal to protect water quality and increase revenue. \$45,500, *Federal Criminal Case*

**Grant Soil and Water****Conservation District**

Murray and Kennedy Ditch Gravel Push-up Dam Elimination

Replace two gravel push-up dams with two pump stations and convert 173 acres to sprinkler irrigation. Improve water quality and flow, riparian health, and fish passage. \$48,150, *Federal Criminal Case*

**Humboldt State University Sponsored Programs Foundation**

Myxozoan Fish Disease Research and Monitoring — Humboldt State University

Provide quantification of water hydraulics and sediment compositions that are likely to produce mortality of polychaetes to inform sediment augmentation and flow manipulations experimental control actions.

\$101,803, *Mitigation*

**Karuk Tribe**

Myxozoan Fish Disease Research and Monitoring — Karuk Tribe

Measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores.

\$42,338, *Mitigation*

**Long Tom Watershed Council**

Bear & Ferguson Creek Fish Passage Project Development

Utilize the Long Tom Watershed Council's 2009 fish passage inventory to conduct targeted outreach and to complete fish passage enhancement designs for priority sites in Bear and Ferguson Creeks.

\$49,865, *Federal Criminal Case*

**Mary's River Watershed Council**

Model Watershed Landowner Outreach and Project Design

Conduct rapid biological assessment as outreach tool for landowner recruitment on Tum Tum River, Greasy Creek, and Beaver Creek. Identify restoration sites and develop floodplain connection project designs. \$33,000, *Federal Criminal Case*

**McKenzie Watershed Alliance**

Middle McKenzie Side Channel Enhancement Project

Enhance habitat for spring-run Chinook salmon and bull trout while creating a unique learning experience for local students. Outreach focuses on initiating similar projects on private lands.

\$28,860, *Federal Criminal Case*

**The Nature Conservancy**

Nehalem Watershed Conservation Planning

Conduct multi-stakeholder planning process to guide conservation in the Nehalem watershed, identifying ecologically important areas, threats, measurable objectives and strategies for conservation.

\$63,028, *Federal Criminal Case*

**North Coast Land Conservancy, Inc.**

Thompson Creek Floodplain Restoration

Restore estuarine function by reconnecting Thompson Creek to 30 acres of historic floodplain habitat. \$15,000, *Federal Criminal Case*

**Oregon State University**

Myxozoan Fish Disease Research and Monitoring — Oregon State University

Measure the distribution and relative density of polychaetes at established index sites with greater spatial coverage (cross sectional and longitudinal) to include different polychaete habitat types; and measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores. \$88,269, *Mitigation*

**Oregon State Police**

Oregon State Police Fish and Wildlife Division

Improve the Oregon State Police Fish and Wildlife Division's ability to investigate environmental and wildlife protection crimes by providing the necessary water testing equipment to its officers. \$38,235, *Federal Criminal Case*

**Pacific States Marine****Fisheries Commission**

National Fish Habitat Database

Develop a National Fish Habitat Action Plan project tracking system to be used for online submission of project information; management, search, and retrieval of information; geographic information systems (GIS) outputs; and project progress reporting.

\$100,000, *Voluntary Contributions*

**Tillamook Estuaries Partnership**

Miami Wetlands Enhancement

Enhance 22 acres of rare tidal spruce swamp and 30 acres of uplands in the Tillamook Bay estuary. Project improves wildlife habitats and habitat for five salmon species.

\$198,938, *Federal Criminal Case*

**Upper Nehalem Watershed Council**

Elk Creek Phase II — Fish Passage Restoration

Restore coho salmon, cutthroat trout and lamprey passage to 3.6 miles of refugia habitat on Elk Creek in northwest Oregon.

\$50,000, *Federal Criminal Case*

**Western Rivers Conservancy**

Lower John Day River — Hay Creek Project

Restore about 200 acres along Hay Creek and main stem lower John Day River. Enhance Murtha Ranch lands for native fish and wildlife, positioning them for permanent stewardship with Oregon State Parks. \$50,000, *Federal Criminal Case*

**Willamette Riverkeeper**

Willamette Mission Programmatic Reconnection Project

Reconnect side channels and floodplains by removing fish passage barriers that isolate a mile of back channel and a natural oxbow lake during low flow periods. Restore native plant communities.

\$49,970, *Federal Criminal Case*

**Yurok Tribe**

Myxozoan Fish Disease Research and Monitoring — Yurok Tribal Fisheries Program

Measure the distribution and relative density of polychaetes at established index sites with greater spatial coverage (cross sectional and longitudinal) to include different polychaete habitat types; measure how polychaete relative density, population structure, and infection prevalence change on an annual cycle; and measure the fish species-specific genotypes of myxozoan diseases in adult salmonids and in the water column at appropriate temporal and spatial scales including both actinospores and myxospores.

\$88,573, *Mitigation*

**PENNSYLVANIA****Alice Ferguson Foundation**

Trash-Free Potomac Watershed Initiative

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys.

\$37,500, *State Criminal Case*

**Delaware Riverkeeper Network**

Restoration Assistance for the Delaware Estuary

Host an intensive workshop and provide technical assistance to project-ready municipalities in the Delaware Estuary. Project aims to maximize ecological benefits and encourage long-term monitoring and management.

\$49,872, *Federal Criminal Case*

**The Nature Conservancy**

Delaware River Basin Riverine and Wetland Areas Prioritization

Work with partners to identify priority places to protect or restore riverine habitats across the entire Delaware River Basin.

\$396,016, *Federal Criminal Case*

**T.P. Contracting and Natural Lands Trust, Inc.**

Pennsylvania Fund Replacement Fund

Restore wetlands on private lands. \$84,120, *Mitigation*

**PUERTO RICO****University of Miami, Rosenstiel School of Marine and Atmospheric Science**

Sustaining Coral Reef Fisheries in Puerto Rico

Establish fishery management goals, including appropriate fishing level and minimum population sizes, for fish that are important to ensuring healthy coral reefs. These goals will guide conservation efforts of state and federal managers to build sustainable reef fisheries in Puerto Rico.

\$38,000, *Federal Criminal Case*

**RHODE ISLAND****Maine Department of Marine Resources**

Bycatch Survey of the Atlantic Herring Bottom Trawl Fishery

Use at-sea observers to document bycatch in the small mesh bottom trawl fishery targeting Atlantic herring. \$226,996, *Federal Criminal Case*

**TEXAS****Kokel-Oberrender-Wood Appraisal, Ltd.**

Columbia Bottoms (Austin Woods) Fund

Provide independent appraisal services associated with land acquisition preservation efforts for the Columbia Bottomlands along the Texas Mid-Gulf Coast. \$8,800, *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.

\$7,704, *Mitigation*

**Thomas 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.  
\$61,792, *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.  
\$15,896, *Species Recovery Funds*

**VIRGINIA****Alice Ferguson Foundation**

Trash-Free Potomac  
Watershed Initiative

Continue efforts to achieve a trash-free Potomac River watershed. Project will include an annual Potomac Watershed Cleanup and Trash Summit, anti-litter public education campaign, litter enforcement week, Trash Free Facilities Program, engagement of elected officials through the Potomac Trash Treaty, and progress monitoring through Visible Trash Surveys.  
\$37,500, *State Criminal Case*

**Christopher Newport University  
Sponsored Programs**

Restoration and Management  
of Atlantic White Cedar

Assist the Great Dismal Swamp National Wildlife Refuge in reestablishing Atlantic White Cedars in the areas of the refuge that were burned in the South One Fire.  
\$103,079, *Federal Civil Case*

**Various Recipients**

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.  
\$34,880, *Federal Civil Case*

**WASHINGTON****Columbia Land Trust**

Germany Creek Conservation  
and Restoration – II

Restore seven acres of tidally influenced in-stream, floodplain, and riparian habitat, restore 18 acres of tributary habitat, and protect 30 acres of threatened land along Germany Creek.  
\$114,438, *Federal Criminal Case*

**Columbia Land Trust**

Lower Grays River Tidal  
Wetland Restoration

Reconnect approximately 50 acres of intertidal wetlands, including tidal channel habitat, and implement actions to improve habitat function over 30 acres in the Grays River.  
\$96,000, *Federal Criminal Case*

**Columbia Land Trust**

Nelson Creek Restoration

Restore Sitka spruce swamp, willow scrub, emergent and shallow water/emergent wetlands. Project analyzes the feasibility of tidal reconnection of the site.  
\$72,000, *Federal Criminal Case*

**Friends of Ridgefield****National Wildlife Refuge**

Ridgefield Restoration and  
Watershed Coordination

Conduct an invasive plant survey and control on 1,025 acres and native restoration plantings on four acres of Columbia River floodplain and a tributary watershed. Project coordinates community watershed group partnerships.  
\$55,360, *Federal Criminal Case*

**U.S. Geological Survey**

Assessing Restoration  
Effectiveness at Nisqually NWR

Monitor the effectiveness of the estuarine restoration and evaluate the result of restoration actions on habitats, focusing on processes that can be fine-tuned with adaptive management.  
\$99,993, *Federal Criminal Case*

**Washington Department  
of Fish and Wildlife**

Puget Sound Nearshore  
Ecosystem Restoration Project

Identify significant ecosystem problems, evaluate potential solutions, and restore and preserve critical nearshore habitat.  
\$200,000, *Federal Criminal Case*

**WISCONSIN****International Crane Foundation**

Eastern Migratory Whooping  
Crane Fund

Support public education and outreach activities of the Whooping Crane Eastern Partnership's Communication and Outreach Team.  
\$4,000, *Species Recovery Funds*

**WYOMING****Robert Meddock**

State of Wyoming Agreement —  
Upper Colorado Fish Recovery  
Program Fund

Aid recovery of endangered fish on the Colorado River by assisting the Bureau of Reclamation with automating several fish screens on the Upper Colorado River.  
\$9,300, *Species Recovery Funds*

**State of Utah, Department  
of Natural Resources**

Price San Rafael Wildlife  
Mitigation Fund

Remove 290 acres of pinyon pine and juniper trees encroaching into Wyoming sagebrush parks. This treatment enhances wintering habitat for mule deer and elk.  
\$51,700, *Mitigation*

**U.S. Geological Survey**

Habitat Prioritization for Selected  
Raptor Species in Wyoming

Develop a quantitative predictive model of the relationship between available raptor habitat and raptor habitat use for four species in Wyoming: Golden Eagle, Ferruginous Hawk, Northern Harrier, and Prairie Falcon.  
\$200,000, *Federal Criminal Case*