



NFWF

Chesapeake Bay Stewardship Fund 2019 Grant Slate

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- Altria
- Chesapeake Bay Program
- Pennsylvania Department of Environmental Protection
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Forest Service
- USDA's Natural Resource Conservation Service

ABOUT NFWF

The National Fish and Wildlife Foundation (NFWF) protects and restores our nation's fish and wildlife and their habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those investments with private funds. Learn more at www.nfwf.org

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American black duck

OVERVIEW

The National Fish and Wildlife Foundation (NFWF), in partnership with the U.S. Environmental Protection Agency and the Chesapeake Bay Program, recently announced the 2019 round of funding for Chesapeake Bay Stewardship Fund projects. Forty-seven restoration and water quality improvement grants totaling \$12.69 million were awarded, leveraging \$20.82 million in match from the grantees to generate a total conservation impact of \$33.5 million.

The Chesapeake Bay Stewardship Fund is dedicated to protecting and restoring the bay by helping local communities clean up and restore their polluted rivers and streams. The fund also advances cost-effective and creative solutions with financial and technical assistance to local communities, farmers and private landowners. NFWF manages the Stewardship Fund in partnership with government agencies and private corporations and in close coordination with the federal-state Chesapeake Bay Program partnership. Major funding is provided by the U.S. Environmental Protection Agency through the Chesapeake Bay Program Office.

Since 1999, the Stewardship Fund has worked with the public and private sectors to deliver on-the-ground conservation successes benefiting the communities, farms, habitats and wildlife of the Chesapeake Bay region. NFWF administers the fund's two competitive grant programs, the Innovative Nutrient and Sediment Reduction Grant Program and the Small Watershed Grants Program. NFWF also makes targeted investments that support networking and information-sharing among restoration partners on emerging technologies, successful restoration approaches, and new partnership opportunities. These programs directly engage agricultural producers, homeowners, churches, businesses and others in on-the-ground restoration actions that improve the quality of life in communities throughout the watershed, while ultimately improving the health of the Chesapeake Bay.

(continued)



Eastern brook trout

INNOVATIVE NUTRIENT AND SEDIMENT REDUCTION
Scaling Up Agricultural Best Practices Through the
Shenandoah Valley Conservation Collaborative (VA)

Grantee: Alliance for the Shenandoah Valley
 Grant Award:..... \$996,620
 Matching Funds: \$3,670,538
Total Amount:.....\$4,667,158

Recruit 90 landowners and implement a combined 106 miles of livestock exclusion fencing and 490 acres of riparian buffers focusing restoration efforts on preserved parcels in the Shenandoah Valley. Project will leverage a regional backbone organization, existing partnerships, local government and enhanced coordination with technical assistance and habitat restoration professionals to strengthen and accelerate the scale of best management practice implementation and aquatic habitat improvements.

Chiques-Conoy-Conewago Regional Partnership:
Outreach and Implementation with Priority Farmers (PA)

Grantee: The Pennsylvania State University
 Grant Award:..... \$955,282
 Matching Funds: \$995,289
Total Amount:.....\$1,950,571

Accelerate improved agriculture management in the lower Susquehanna River region through the implementation

of 75 acres of forested riparian buffers, 1,360 acres with soil health practices, and 7,500 feet of stream restoration. Project will improve existing restoration data and analysis tools to prioritize work based on aquatic habitat impairment and engage farmers in Lancaster, Lebanon and Dauphin counties through a strategic team of outreach and technical assistance.

Building Soil Health through Collaboration,
Implementation, and Market Opportunities (VA)

Grantee: Virginia Polytechnic Institute and State University
 Grant Award:..... \$1,000,000
 Matching Funds: \$1,000,000
Total Amount:.....\$2,000,000

Pilot 45 producers with management control of 2,250 acres of cropland to create widespread adoption of cover crop, no-till and enhanced nutrient management practices, increasing adoption to 20,000 acres post-pilot. Project will enhance the efforts of Virginia’s Soil Health Coalition to expand awareness among both producers and consumers for the value of healthy soil practices and create increased partnerships that benefit soil health and water quality in priority regions in the Shenandoah Valley and the lower Eastern Shore.



Expanding Soil Health Through Partnership, Better Coordination, and Increased Practice Adoption (PA)

Grantee: Stroud Water Research Center

Grant Award:..... \$999,318

Matching Funds: \$1,878,019

Total Amount:.....\$2,877,337

Expand soil health outreach to assist 75 farmers implement rotational grazing on more than 860 acres and 12,000 acres of new cover crops and/or no-till practices. Project will reach an estimated 4,500 farmers through grazing advisors and farmer-led, peer-to-peer soil health hubs throughout Pennsylvania, and will further employ applied research to develop a better understanding on the benefits of soil health practices to runoff, productivity and farm management.

Implementing Virginia’s Phase III WIP through the Rappahannock Roundtable (VA)

Grantee: Friends of the Rappahannock

Grant Award:..... \$810,100

Matching Funds: \$1,004,000

Total Amount:.....\$1,814,100

Install 10 miles of livestock fencing and stream restoration, 30 acres of urban forest/tree canopy, 300 acres of urban nutrient management plans, and 15 living shoreline projects. Project will capitalize on the local and regional partnerships developed across the Rappahannock River Basin to accelerate the implementation of priority best management practices outlined in the Virginia Phase III Watershed Implementation Plan.

Accelerating Wetland Restoration Through Partnerships and Landowner Engagement (DE, MD, PA, VA)

Grantee: The Nature Conservancy

Grant Award:..... \$965,852

Matching Funds: \$2,573,427

Total Amount:.....\$3,539,279

Accelerate water quality and black duck habitat improvements through strengthened partnerships to advance wetland and stream restoration in priority regions and identification of landowner priorities and constraints to guide restoration outreach and opportunities. Project will leverage existing partnerships and expertise and add needed capacity to further foster watershed-wide collaboration to restore, enhance and protect a network of habitats to improve water quality.

Developing a Healthy Soils Program to Increase Soil Health Practice Adoption and Engagement (MD)

Grantee: Maryland Department of Agriculture

Grant Award:..... \$996,565

Matching Funds: \$1,355,000

Total Amount:.....\$2,351,565

Engage 150 producers through outreach, education and

technical assistance to implement improved conservation tillage, expanded cover crop practices, application of precision nutrient management, and increased prescribed grazing practices. Project will expand Maryland’s Healthy Soils Program with an Advisory Committee, establish and measure common baseline soil health metrics for participating producers, and inform the evolving national discussion of appropriate soil health metrics and tools.

SMALL WATERSHED GRANTS - IMPLEMENTATION

Western Maryland Initiative: Restoring Eastern Brook Trout Habitat and Connectivity (MD)

Grantee: Trout Unlimited Home Rivers Initiative

Grant Award:..... \$192,540

Matching Funds: \$333,322

Total Amount:..... \$525,862

Restore, reconnect and enhance aquatic habitat within stronghold patches of eastern brook trout. Project will implement aquatic organism passage (AOP) barrier mitigation and riparian restoration in priority watersheds, deliver an AOP barrier mitigation plan to county roads department staff, and incorporate community and student volunteers into restoration and monitoring on public and private lands in western Maryland.

Eastern Oyster Restoration in the Western Branch of the Lynnhaven River (VA)

Grantee: Chesapeake Bay Foundation

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

Matching Funds: \$199,941

Total Amount:..... \$399,941

Establish 2.5 acres of new oyster reef, engage more than 100 volunteers in the construction and planting of reef balls, and place 5.5 million young oysters in the Western Branch of the Lynnhaven River. The project will be conducted in partnership with Lynnhaven River Now, continuing the re-establishment of Eastern Oyster in the Lynnhaven and building on the 2018 NFWF-funded restoration in the Eastern Branch.

Engaging the People’s Community Lutheran Church in Stormwater Best Practices (MD)

Grantee: Blue Water Baltimore

Grant Award:..... \$188,940

Matching Funds: \$123,282

Total Amount:..... \$312,222

Treat the impervious surface on the People’s Community Lutheran Church parking lot. Project will construct a rain garden, install micro-bioretenion, plant tree and native perennials, and build community awareness of stormwater management and best practices.



Chesapeake Bay oysters

Clear Creeks: Stormwater Implementation and Engagement in the Loch Raven Reservoir Watershed (MD)

Grantee: Gunpowder Valley Conservancy
 Grant Award:..... \$200,000
 Matching Funds: \$679,006
Total Amount:..... \$879,006

Conduct behavior change strategies to increase implementation of stormwater best management practices in Baltimore County. Project will install 125 rain barrels, 30 rain gardens, 12 micro-bioretenion practices, eight Bayscapes, 24 Bay-Wise certified yards, and 30 stream cleanup events resulting in the protection and improvement of 24 acres.

Improving Drainage in the Lakemont Neighborhood (VA)

Grantee: James River Association
 Grant Award:..... \$199,959
 Matching Funds: \$87,780
Total Amount:..... \$287,739

Implement a hydronic separator structure retrofit and extend a storm sewer to provide water quality treatment and enhance maintenance access. Project will intercept drainage and redirect flow through a new storm sewer while engaging and educating local residents through the design and implementation process.

Restoring the Eastern Oyster in the Eastern and Western Branches of the Lynnhaven River (VA)

Grantee: Lynnhaven River Now
 Grant Award:..... \$200,000
 Matching Funds: \$213,000
Total Amount:..... \$413,000

Restore 3 acres of oyster reef in the eastern and western

branches of the Lynnhaven River. Project will support reaching the target of an additional 60 acres of oyster habitat target in the Lynnhaven, in partnership with the Chesapeake Bay Foundation, and builds on the 2018 NFWF-funded restoration in the Eastern Branch.

Growing Community Green Infrastructure Ownership and Urban Tree Canopy in Baltimore Neighborhoods

Grantee: ReBUILD Metro
 Grant Award:..... \$199,990
 Matching Funds: \$431,500
Total Amount:..... \$631,490

Facilitate community-determined green stormwater infrastructure projects to create 2.75 acres of long-term greenspace and improve urban tree canopy in the Olive, Broadway East, and Johnston Square neighborhoods of Baltimore. Project will build community consensus and ownership of stormwater projects and address future project pipelines.

Expanding Engagement in the Upper Susquehanna Coalition Buffer Program (NY, PA)

Grantee: Tioga County Soil and Water Conservation District of New York
 Grant Award:..... \$200,000
 Matching Funds: \$66,000
Total Amount:..... \$266,000

Expand and engage new partners and populations in the Upper Susquehanna Coalition Buffer Program. Project will build outreach opportunities and engage populations that have yet to be engaged in pilot projects incorporating riparian restoration, livestock exclusion, agricultural land

retirement, green infrastructure and natural stream corridor restoration.

Implementing the Maryland Conservation Drainage Program on the Eastern Shore (MD)

Grantee: Shorivers
 Grant Award:..... \$197,914
 Matching Funds: \$380,000
Total Amount:..... \$577,914

Implement conservation drainage via 20 projects to treat agriculture runoff from approximately 400 acres. Project will support project costs not currently covered by state funding and leverage state funds 1:1 to cover project costs, allowing for greater outreach to educate farmers and state and federal agricultural service providers on the benefits of conservation drainage.

Increasing Manure Injection Opportunity and Adoption in Virginia

Grantee: Headwaters Soil and Water Conservation District
 Grant Award:..... \$199,876
 Matching Funds: \$272,046
Total Amount:..... \$471,922

Partner with the most widespread custom manure applicator in Virginia, adding an injector unit into the applicator fleet. Project will increase the adoption of manure injection and provide farmers an individual farm experience with the cost-benefit of utilizing manure injection with minimum disturbance for farms implementing no-till management, resulting in positive nitrogen load and water quality impacts.

Cocalico Creek Watershed Farmer Engagement for Conservation (PA)

Grantee: Cocalico Creek Watershed Association
 Grant Award:..... \$199,350
 Matching Funds: \$909,087
Total Amount:..... \$1,108,437

Assist seven townships in collaboration with their farm community to achieve significant water quality improvements for local streams through farmer meetings and farm visits. Project will increase planning and implementation of barnyard improvements, riparian forested buffers, and manure storage to manage agriculture runoff, maximizing designs and applications to funding from state and other agencies for project completion.

Riparian Restoration and Buffer Establishment in the Susquehanna River West Branch (PA)

Grantee: Western Pennsylvania Conservancy
 Grant Award:..... \$158,755
 Matching Funds: \$57,959
Total Amount:..... \$216,714

Restore 20 acres of riparian habitat and expand local



Great blue heron

community riparian knowledge. Project will facilitate partner collaboration on reaching out to landowners with degraded riparian areas, leading to increased planting of new riparian acres and post planting establishment, monitoring and stewardship development.

River Stars: Maturing the Movement (VA)

Grantee: The Elizabeth River Project
 Grant Award:..... \$198,472
 Matching Funds: \$200,000
Total Amount:..... \$398,472

Develop the first protocol in the Chesapeake Watershed for verifying residential best management practices and construct a living shoreline showcase on the Norfolk Southern corporate campus. Project will increase the capacity of the River Star Homes and River Star Businesses programs to reduce pollution, while developing important protocols and models for residential and industrial stewardship.

Schoolyard Habitats: Watershed Public Charter School (MD)

Grantee: National Wildlife Federation
 Grant Award:..... \$181,663
 Matching Funds: \$67,290
Total Amount:..... \$248,953

Deploy the Schoolyard Habitats program at Watershed Public Charter School to remove 1,500 square feet of



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impervious surface, implement three micro-bioretenion areas, and install two cisterns. Project will increase management of upland urban runoff by implementing green stormwater infrastructure practices that improve water quality while also creating native wildlife habitat and fostering outdoor learning experiences for students within Baltimore's Gwynns Falls watershed.

Residential and Golf Course Best Management Practices in the Prospect Bay Community (MD)

Grantee: Shorerivers
 Grant Award:..... \$192,619
 Matching Funds: \$75,014
Total Amount:..... \$267,633

Design and implement 10 residential River Friendly Yard practices and three golf course best management practices in the Prospect Bay Country Club Community. Project will result in direct reductions in nitrogen, phosphorus, and sediment draining from residential yards and the highly-fertilized golf course that will directly support Queen Anne's County Watershed Implementation Plan goals.

Pennsylvania Lawn Conversion Program

Grantee: Alliance for the Chesapeake Bay
 Grant Award:..... \$200,000
 Matching Funds: \$112,800
Total Amount:..... \$312,742

Convert 60 pilot acres with urban forest planting and conservation landscaping best management practices. Project will develop a Lawn Conversion Program in Pennsylvania that can be carried and expanded by the commonwealth through the year 2025 through training practitioners, generating outreach materials, and starting an advisory committee to pilot implementation in south-central Pennsylvania.

Accelerating and Converting Marginal Cropland to Forested Buffers (PA)

Grantee: Stroud Water Research Center
 Grant Award:..... \$199,528
 Matching Funds: \$700,000
Total Amount:..... \$899,528

Convert near-stream marginal cropland to forested buffers, implement soil health best management practices and advanced nutrient management, and accelerate forested buffer implementation. Project will build on the Stroud Water Research Center's Farm Stewardship Program and adapt it for use by crop farmers to improve profitability and environmental performance.

Treating and Teaching: Outdoor Classrooms in Prince George's County (MD)

Grantee: Anacostia Watershed Society
 Grant Award:..... \$197,421
 Matching Funds: \$500,000
Total Amount:..... \$697,421

Build 12 customized outdoor classrooms in Prince George's County, increasing the capacity of the county to deliver effective stormwater management. Project will engage approximately 80 teachers from 35 public school schools in professional development about stormwater management, train building supervisors to maintain the practices installed, and educate 1,500 students about stormwater management.

Maryland Black Mayors Advancing Stormwater Management

Grantee: Maryland Black Mayors
 Grant Award:..... \$200,000
 Matching Funds: \$67,461
Total Amount:..... \$267,461

Meet with Maryland Black Mayor (MBM) municipality communities, implement best management practices on five homeowner properties per community, and conduct outreach and tours of project sites. Project will coordinate and advance the capacity of MBM municipalities to address stormwater runoff.

Maximizing Water Quality Benefits on School Campuses in Lancaster (PA)

Grantee: City of Lancaster
 Grant Award:..... \$176,000
 Matching Funds: \$90,000
Total Amount:..... \$266,000

Create a master plan of urban nutrient management at 19 campuses owned and maintained by the School District of Lancaster and implement a pollinator garden, seeded meadow, no-mow zone, and a basin retrofit at Hamilton Elementary and a native meadow planted at Elizabeth R. Martin School. Project will determine how property maintenance and landscape techniques can be improved to maximize water quality benefits while balancing aesthetics, maintenance requirements, and needs of the school district.

Nestle Agriculture and Dairy Conservation Initiative (MD, PA, VA)

Grantee: Alliance for the Chesapeake Bay
 Grant Award:..... \$200,000
 Matching Funds: \$120,000
Total Amount:..... \$320,000

Pilot the planning and implementation of agriculture conservation practices with six Nestle farmers to build a model to scale implementation to the entire 900 farms that supply milk to the company in the Chesapeake Bay



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Watershed. Project will lay the ground work for building a watershed-wide conservation program to support the farmers that supply to Nestle.

Potomac Brook Trout Patch Reconnection from Big Run to Judy Gap (WV)

Grantee: Trout Unlimited Home Rivers Initiative
 Grant Award:..... \$194,418
 Matching Funds: \$261,033
Total Amount:..... \$455,451

Restore, reconnect and meld two stronghold patches of eastern brook trout in the North Fork of the South Branch of the Potomac River. Project will expand existing patches to restore adjacent 50 square miles of stream habitat to improve water quality through riparian and in-stream restoration, aquatic organism passage barrier mitigation, and the installation of agricultural practices that meet the needs of the fish and the farms.

Long Term Land Conservation and Buffer Implementation on the Elizabeth River (VA)

Grantee: Living River Restoration Trust
 Grant Award:..... \$48,500
 Matching Funds: \$20,000
Total Amount:..... \$68,500

Evaluate 29 forest and wetland sites for long-term conservation, prioritize sites and plan for a corridor of high-value habitat, place 50 acres in permanent protection, and plant 1,500 square feet of riparian buffer. Project will build the capacity to conserve wetlands and forested riparian buffers in the Elizabeth River watershed, including establishing conservation of high-quality riparian corridors.

Applying Soil Amendment Techniques and Subsoiling on Compacted Urban Land (DC)

Grantee: Department of Energy and Environment
 Grant Award:..... \$200,000
 Matching Funds: \$200,000
Total Amount:..... \$400,000

Implement and monitor the efficacy of a variety of subsoiling and soil amendment techniques on open lands in the District of Columbia. Project will aim to reduce compaction, restore hydraulic functionality, and improve soil health for the purposes of reducing stormwater runoff and pollutants generated from compacted and public lands in the District of Columbia.

Robin Grove Living Shoreline (VA)

Grantee: Town of Colonial Beach
 Grant Award:..... \$197,804
 Matching Funds: \$65,950
Total Amount:..... \$263,754

Restore 0.3 acres of eroded shoreline along Monroe Bay

by constructing a living shoreline with rock sills, sand fill, and wetland plantings to restore marsh habitat. Project will install oyster shell bag sills to maintain existing marsh fringe, partner with the Virginia Institute of Marine Science, and engage the community through volunteer installations of oyster bags.

Implementing Stormwater Best Management Practices at Church of the Redeemer (MD)

Grantee: Church of the Redeemer
 Grant Award:..... \$169,458
 Matching Funds: \$181,886
Total Amount:..... \$351,344

Remove 14,000 square feet of asphalt, install two micro-bioretenment practices and 2,415 square feet of pervious paving, and plant native landscaping at the Church of the Redeemer. Project will treat 0.84 acres of the 1.25-acre parking lot and serve to educate and inspire other communities to participate in stormwater best management practices.

Developing Poultry House Buffer Alternatives in the Nanticoke Watershed (DE)

Grantee: Nanticoke Watershed Alliance
 Grant Award:..... \$38,629
 Matching Funds: \$23,208
Total Amount:..... \$61,837

Test alternatives to mowed grass on poultry grower properties by evaluating several variations of buffer plantings for improved stormwater management. Project will convert mowed grass areas located between chicken houses into a variety of vegetative buffer alternatives to capture and filter stormwater runoff and serve as a demonstration to encourage other farmers to install similar plantings on their properties.

Camp Woodlands Stream and Outfall Restoration (MD)

Grantee: Arundel Rivers Federation
 Grant Award:..... \$199,587
 Matching Funds: \$1,220,000
Total Amount:..... \$1,419,587

Retrofit the existing stormwater outfall at Camp Woodlands by restoring an eroding gully and 1,350 feet of stream. Project will provide safe conveyance of storm flows and increase the ecological habitat and functions on the site to improve water quality in Broad Creek.

Expanding Brook Trout Patch Size and Improving Water Quality in the North River Watershed (VA)

Grantee: Trout Unlimited
 Grant Award:..... \$178,385
 Matching Funds: \$122,200
Total Amount:..... \$300,585

Restore 1 mile of instream habitat, install 7,000 feet of



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exclusion fencing, and establish 19 acres of riparian buffer in spring fed streams in the Mossy Creek and Briery Branch subwatersheds of Upper North River. Project will increase and expand eastern brook trout patches and improve water quality in the Shenandoah Valley while providing technical assistance to landowners working to implement restoration projects on their properties.

Norfolk Green Infrastructure Plan Implementation (VA)

Grantee: City of Norfolk

Grant Award:..... \$161,500

Matching Funds: \$310,000

Total Amount:..... \$471,500

Expand and increase implementation of the City of Norfolk's Green Infrastructure Plan by supporting community tree planting, adoption of tree and rain barrels for installation on private property, construction of rain gardens in community spaces, and restoring wetland and riparian buffers. Project will support goals of improved water quality, reduced nuisance flooding, expanded wildlife habitat, and increased community volunteer capacity.

SMALL WATERSHED GRANTS – PLANNING AND TECHNICAL ASSISTANCE

Detailing and Designing Green Infrastructure in Liberty Hollow Run (PA)

Grantee: Borough of Northumberland

Grant Award:..... \$50,000

Matching Funds: \$1,234

Total Amount:..... \$51,234

Conduct site analysis, design and public outreach to create twelve design documents, three community program plans, and an outreach report for Liberty Hollow Run. Project will advance formal action plans for rain barrels, disconnected downspouts, and tree planting programs while ensuring high community participation.

Correctional Vocational Training: Increasing the Workforce for Buffer Planting and Maintenance (PA)

Grantee: Pennsylvania Department of Conservation and Natural Resources

Grant Award:..... \$50,000

Matching Funds: \$45,000

Total Amount:..... \$95,000

Increase available private riparian forest buffer contractors available to conduct riparian forest buffer planting and maintenance through a correctional vocational training program, establishment of a workforce pipeline, and on-the-ground conservation projects. Project will increase the survivability rate of riparian forest buffers and expand buffer maintenance options to increase implementation of forested buffers.

A Comprehensive Green Infrastructure Master Plan for Greater Grace (MD)

Grantee: Greater Grace World Outreach

Grant Award:..... \$49,289

Matching Funds: \$61,879

Total Amount:..... \$111,168

Develop a comprehensive green infrastructure master plan and 100% designs for the Greater Grace World Outreach campus. Design will move plans forward to reduce stormwater runoff from the 13.6-acre property, of which approximately 84 percent is impervious, and educate the 1,500-member congregation and students about the benefits of reducing runoff.

Good Spring Creek Watershed Restoration Plan (PA)

Grantee: Clauser Environmental

Grant Award:..... \$49,500

Matching Funds: \$8,000

Total Amount:..... \$57,500

Develop a watershed restoration plan for the Good Spring Creek Watershed in Schuylkill County, Pennsylvania. The plan will fill critical gaps in the identification and prioritization of projects scheduled to be the next phase of a regional watershed restoration and construction initiative.

Prioritization of Restoration and Partnership in the Rivanna (VA)

Grantee: Ecosystem Services

Grant Award:..... \$49,936

Matching Funds: N/A

Total Amount:..... \$49,936

Prioritize restoration work along the main stem of the Rivanna River Corridor from the confluence of the North Fork and South Fork to Moores Creek. Project will assess streambank erosion and riparian buffer parameters and rank areas marked high or very high for stabilization to maximize future implementation on the Rivanna, resulting in the largest results for available funding.

Creating a Comprehensive Stormwater Plan and Implementation Strategy for Town of Chestertown (MD)

Grantee: Shorerivers

Grant Award:..... \$49,408

Matching Funds: \$50,000

Total Amount:..... \$99,408

Complete a Comprehensive Stormwater Plan and Implementation Strategy and two to three fully engineered stormwater project designs for the Town of Chestertown, Maryland. Project will benefit water quality in the Middle Chester River Watershed, with secondary objectives of creating habitat, outreach and education to a diverse group of stakeholders.

(continued)



Blue crab

Accelerating Acquisition of Conservation and Manure Management Plans in Paradise Township (PA)

Grantee: Lancaster Farmland Trust
 Grant Award:..... \$49,606
 Matching Funds: N/A
Total Amount:.....\$49,606

Collaborate with Paradise Township to accelerate the acquisition of conservation and manure management plans for local farms by utilizing successful outreach strategies to position farmers for the implementation of agricultural best management practices. Project will set the stage for large-scale nutrient and sediment reductions in the Pequea Creek Watershed and help fulfill the Town’s commitment to achieve 100-percent conservation plan compliance.

Updating the Lititz Run Watershed Action Plan and Watershed-Based Permit (PA)

Grantee: Lititz Run Watershed Alliance
 Grant Award:..... \$49,960
 Matching Funds: \$39,208
Total Amount:.....\$89,168

Update the Lititz Run Watershed Action Plan and include a framework for a more comprehensive method of determining current water resource conditions in the watershed while incorporating local citizen and government input with the establishment of a watershed-based permit. Project will protect the Cold Water Fishery Existing Use classification achieved for Lititz Run, self-propagating aquatic life observed, and improved water quality and flooding conditions.

Identifying Wetland Mitigation Zones for Protection and Restoration on the Eastern Shore (MD)

Grantee: Lower Shore Land Trust
 Grant Award:..... \$49,830
 Matching Funds: \$25,000
Total Amount:.....\$74,830

Identify Wetland Migration Zones in Somerset, Wicomico, Dorchester, and Worcester Counties and reach out to landowners and county governments to obtain their cooperation to protect, restore and manage these areas. Project will aid in the maintenance of important wetland habitat for American black duck and help meet Watershed Implementation Plan goals for the counties.

Union Collective Green Infrastructure Master Plan (MD)

Grantee: Central Baltimore Partnership
 Grant Award:..... \$49,595
 Matching Funds: \$25,643
Total Amount:.....\$75,238

Develop a green infrastructure master plan and designs for a series of stormwater best management practices at Union Collective, a 10.5-acre, mostly impervious site with a curated assembly of independently owned, Baltimore-based businesses. Project will lead to stormwater practices that showcase the challenges of urban stormwater runoff and climate-related flooding and how green infrastructure can be used mitigate these challenges.