



Habitat Protection

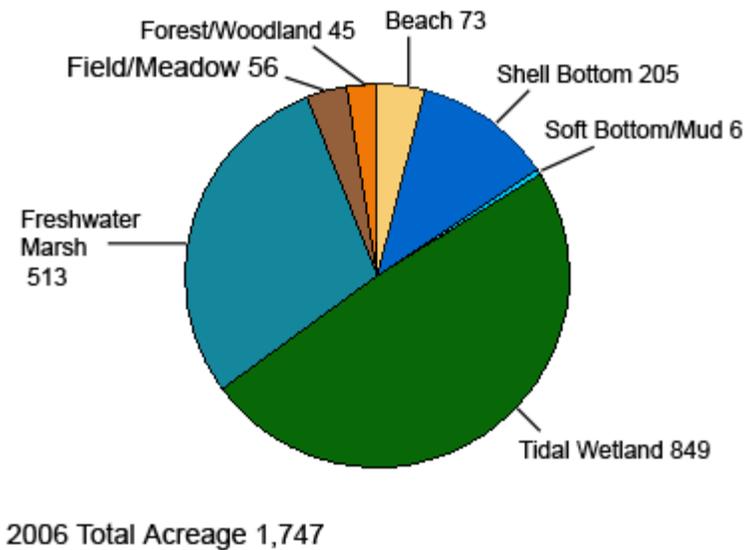
[Contact Us](#) | [Print Version](#) Search: [GO](#)

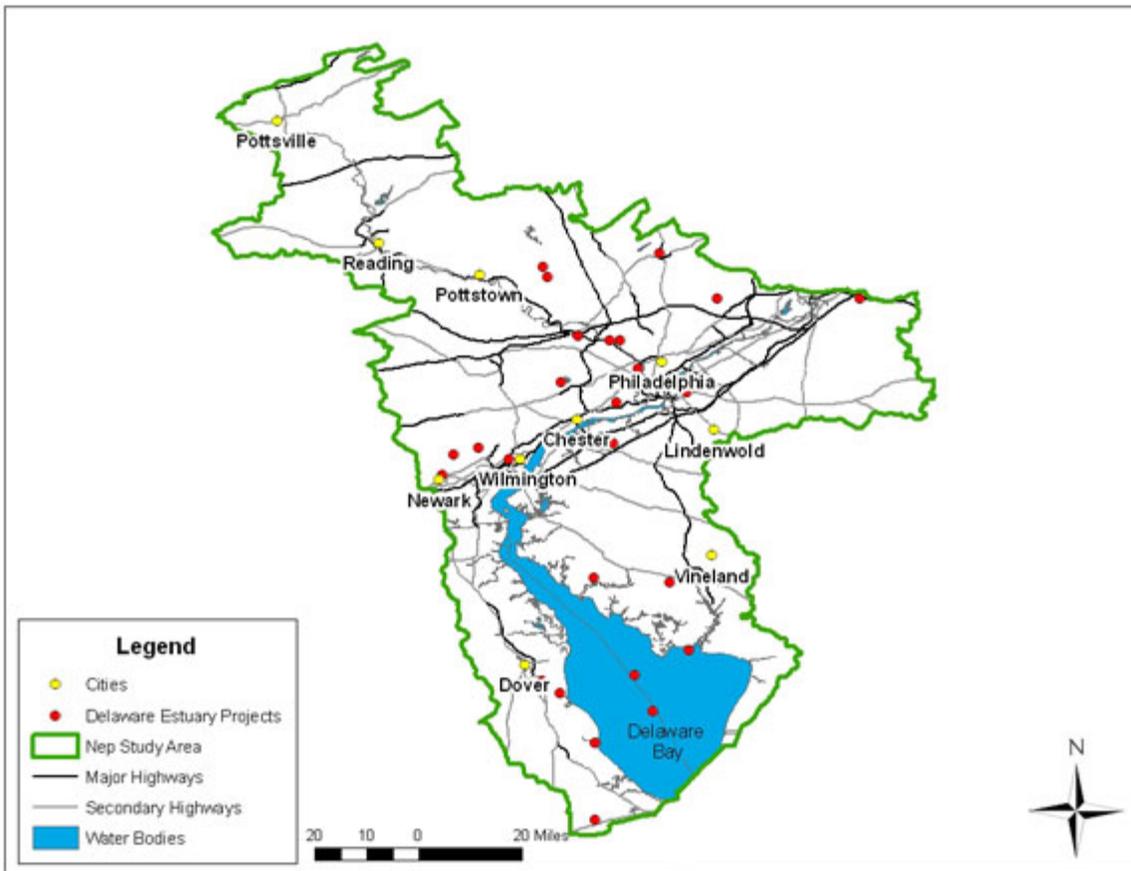
[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Oceans, Coasts, & Estuaries](#) > [Habitat Protection](#) > [Performance Indicators Visualization and Outreach Tool Introduction](#) > [Habitat Loss; NEPs by Region](#) > [NEP Sites in South Atlantic](#) > [Delaware Estuary](#)

Delaware Estuary GPRA 2006 Report Summary by Habitat Category

[Return to Maps](#)

Select the year you want to see the report for: 2006





[View the Habitat Categories](#)

Year 2006 Projects					
Project Name	Activity	Project Description	Habitat Type	Acreage	Linear Miles
Bellwood Preserve Restoration Project	Rehabilitation	The Heritage Conservancy will remove invasive plants and improve plant diversity on three adjacent plots totaling 1.3 acres within a 28-acre hardwood forest. The Bellwood Preserve is part of a 3,400-acre greenway which conserves imperiled floodplain forest and marsh. Bellwood suffers from the effects of adjacent development including invasive species, stormwater flow and artificially high deer populations. The project will involve invasive species management, restore a mesic-hardwood forest community, install fencing, and conduct a reach assessment of approximately 6,000 feet of Mill Creek.	Forest/Woodland	28	0
Blue Hen Creek: Stream Restoration at the UD Experimental Watershed	Enhancement	The University of Delaware, Institute for Public Administration, Water Resources Agency will restore 1,900 linear feet of stream channel and riparian zone on Blue Hen Creek, a tributary of White Clay Creek, a Wild and Scenic River and one of only six trout streams in Delaware. University of Delaware graduate students and students from a local high school in Newark, Delaware will restore this stream as part of their coursework in water resources engineering and natural resources management using Rosgen methods to guide restoration. The project will provide a public demonstration and outreach project at a high visibility site on the UD campus.	Riparian	0	0
City of Milford	Reestablishment	The City of Milford, Parks & Recreation will restore	Freshwater	100	0

Porcelainberry Eradication		approximately 100+ acres of wetland and upland habitat within the city limits by eliminating porcelain berry, an exotic invasive plant developing a toehold in this watershed. The project will survey and map the plants, and local partners involved in the project will remove the infestation, an issue of particular concern because the plant is transported through streams into wetlands. This project will enhance hands-on eradication techniques and increase public awareness of the negative impacts on native plants and animals in the region by demonstrating the techniques in a public workshop.	Marsh		
Cliffs Ruins Bird Habitat Restoration Project	Reestablishment	The Fairmont Parks Commission will carry out a restoration project aimed at restoring a 15-acre stretch of meadow, wetland, and successional woodland for the specific benefit of neotropical migrant songbirds with declining populations due to habitat degradation. The project will utilize volunteer efforts to remove invasive plant species, increase native plant cover, and enhance compositional and structural diversity to create a more sustainable plant community with more feeding, cover, breeding, and nesting sites for migratory birds. The project will hold benefits for other native animal species, as well as promote volunteer stewardship and education with the placement of two interpretive signs at openings near the edge of the meadow.	Field/Meadow	15	0
Cobbs Creek Wetland Enhancement and Conservation Program	Rehabilitation	The Pennsylvania Environmental Council's Cobbs Creek Wetland Enhancement and Conservation Program is in the second year of a three-year project to enhance the Cobbs Creeks. The first phase involved assessment of priority sites for wetlands enhancement to improve water quality. The second phase involved development of a final design and implementation of the designed which restored a 2-acre wetland and riparian buffer; and to build community support for the project. The overall goal of the project is to improve water quality and create wildlife habitat in the highly urbanized Cobbs Creek Watershed that flows through the John Heinz National Wildlife Refuge before it reaches the Delaware Estuary. With completion of the project, approximately 10 acres of wetlands and 750 linear feet of riparian buffer will be restored, and 150 community members will be informed of and involved in project goals and activities.	Tidal Wetland	10	0
Cohansey Wildlife Management Area - Emergent Wetlands Management	Reestablishment	Ducks Unlimited restored and manages 15 acres of shallow emergent fresh water wetlands and establish a surrounding warm season grassland complex of 26 acres on a former row crop field. The project increases wetland habitat for waterfowl, shorebirds, and other avian species. Prime waterfowl nesting habitat were also created in the grassland community. The restoration also focuses on changes the public can "see" whether their interest is waterfowling, bird watching or other outdoor interests.	Field/Meadow	41	0
Cooks Run Watershed Restoration	Rehabilitation	Project consisted of 4 components: Stabilization 200 feet of eroding stream bank; retrofitting 2 detention basins; evaluation of stormwater catch basin inserts; and obtaining supplemental stream data for oil and grease.	Riparian	0	0
Cornelius Tract	Protection/Maintenance	Property was purchased to protect the functions and values of headwaters of Black Bird Creek which is also part of the Delaware National Estuarine Estuarine Research Reserve.	Tidal Wetland	61	0
Delaware Artificial Reef Site 6	Enhancement	The State of Delaware has been very active in developing artificial reef sites. Utilizing various materials i.e. old subway cars, concrete, etc., these sites are built to form structure for bait fish and other organisms to raise the Bay's productivity. To date this on-going initiative has been very successful.	Soft Bottom/mud	2	0
Delaware Artificial Reef Site 1 & 4	Enhancement	The State of Delaware has been very active in developing artificial reef sites. Utilizing various materials i.e. old subway cars, concrete, etc., these sites are built to form structure for	Soft Bottom/mud	2	0

		bait fish and other organisms to raise the Bay's productivity. To date this on-going initiative has been very successful.			
Delaware Artificial Reef Site 5	Enhancement	The State of Delaware has been very active in developing artificial reef sites. Utilizing various materials i.e. old subway cars, concrete, etc., these sites are built to form structure for bait fish and other organisms to raise the Bay's productivity. To date this on-going initiative has been very successful.	Soft Bottom/mud	1	0
Delaware Artificial Reef Site 8	Enhancement	The State of Delaware has been very active in developing artificial reef sites. Utilizing various materials i.e. old subway cars, concrete, etc., these sites are built to form structure for bait fish and other organisms to raise the Bay's productivity. To date this on-going initiative has been very successful.	Soft Bottom/mud	1	0
Delaware Pipeline & Storage	Protection/Maintenance	The company had a old title that allowed them to use the area for a pipeline and tank farm that is served by a pier. The company serves the Dover Air Base with fuel and did not need the entire 500 acres. The company retained a perpetual easement to serve their function and donated the land to the State of Delaware.	Tidal Wetland	500	0
Independence School Riparian Corridor Restoraton	Rehabilitation	Riparian forest canopy restoration with native trees and shrubs along a tributary of the Pike Creek in the vicinity of Independence School. Goals included restoration of hydrology, water quality, wildlife habitat and native canopy.	Forested Wetland	0	0
Invasive Plant Removal and Assesment in Gloucester County	Reestablishment	The Federation of Gloucester County Watersheds removed invasive phragmites encroaching on two sites with streams, wooded and swamp pink wetlands encompassing 17.7 acres at the headwaters of the Raccoon Creek. The project also served to help develop the skills and capacity of the local watershed association to address widespread soil erosion, inadequate stream buffers, and incursion of this aggressive invasive plant species by establishing a systematic program of assessment and restoration to effect on-the-ground improvements. Parts of the watershed have been designated by the National Park Service as Scenic and Recreation Rivers because of their important wildlife habitat, biodiversity, and scenic and recreational values.	Tidal Wetland	18	0
Lower Merion ""Environmental House Calls"" Project	Rehabilitation	The Lower Merion Conservancy engaged local landowners in their "Environmental House Calls" program offering technical assistance to restore their properties that suffered from excessive stormwater flow and heavy stream erosion from the 2004 storm season in an ecologically sound way. During the storm season hundreds of feet of stone lined channels toppled and residents lost several feet of land as it dropped into streams. This galvanized community demand to explore environmentally friendly methods to protect their homes, especially in streamside habitats. Projected restoration results are: 1,000 linear feet of stream restoration, 7,500 square feet of native plantings, and 100 square feet of wetlands enhancement. The outreach component of the project will reach 23,000 residents of Lower Merion, involving 20 homeowners in on-site projects and 50 students in streamside planting days.	Riparian	0	0
Misspillion Harbor Horsecrab Land Aquistion	Protection/Maintenance	Habitat for spawning horseshoe crabs and hemispherically important migratory shorebird feeding was placed in perpetual protection. Almost 80 percent of migrating red knots use Misspillion Harbor.	Beach	73	0
Old Wilmington Dravo Marsh Restoration Project	Reestablishment	Excavate and grade a 500-foot long tidal channel from an existing tide gate to restore flows in the western part of the marsh. The channel restoration is part of a larger project that has resulted in the protection of 211-acres of land as an urban wildlife refuge and the restoration and enhancement of approximately 190-acres of degraded, emergent tidal freshwater wetland habitat and 12-acres of upland scrub/shrub-forested buffer habitat along the Christina River.	Freshwater Marsh	413	0
Open Water	Enhancement	The State of Delaware is continuing their efforts to protecting	Tidal Wetland	260	0

Marsh Management Project		water quality by restoring some stable, permanent water habitats. This type of project ensures enhanced habitat will support mosquito eating fish populations.			
Pidcock Creek Streambank Stabilization	Rehabilitation	Stabilization and restoration eroded stream banks on Curl's Run, a tributary to Pidcock Creek. 800 feet of stream bank were restored, using bioengineering techniques and BMPs.	Riparian	0	0
Red Clay Creek Riparian Corridor Restoration	Rehabilitation	Stream restoration along a tributary of the Red Clay Creek in the vicinity of Hercules Country Club. A USACE permit was obtained in 2005 to reconfigure the stream and its hydrology.	Forested Wetland	0	0
Rosman Dam Removal and Habitat Restoration	Rehabilitation	The Montgomery County Department of Parks will reopen 1.8 miles of Perkiomen Creek to upstream migratory movements of fish and other aquatic organisms through dam removal, 4.4 miles of riparian forest restoration and streambank stabilization, and restoration of over 2,000 linear feet of stream reach. The project builds on several completed and three ongoing dam removal projects and efforts to restock American shad and hickory shad in Perkiomen Creek and the Schuylkill Valley Watershed. This project incorporates environmental education media to showcase restoration activities, increase awareness, and promote environmental stewardship within the local watershed in the Delaware Estuary.	In-Stream	0	0
Saddler's Woods Habitat Enhancement	Rehabilitation	The Saddler's Woods Conservation Association treated two acres of old growth forest habitat over-run with multiple invasive plant species and restore the area with a multilayered forest buffer of native species. An extensive cleanup of the 15-acre site was also carried out.	Forest/Woodland	17	0
Schwensksville Dam Removal and Habitat Restoration	Reestablishment	The Montgomery County Department of Parks will reopen 0.9 miles of Perkiomen Creek to upstream migratory movements of fish and other aquatic organisms through dam removal, 0.5 miles of riparian forest restoration and streambank stabilization, and restoration of over 1,700 linear feet of stream reach. The project builds on several completed and three ongoing dam removal projects and efforts to restock American shad and hickory shad in Perkiomen Creek and the Schuylkill Valley Watershed. This project incorporates environmental education media to showcase restoration activities, increase awareness, and promote environmental stewardship within the local watershed in the Delaware Estuary.	In-Stream	0	0
Smith's Run Streambank Stabilization Project	Rehabilitation	The Schuylkill Center for Environmental Education (SCEE) restored 1,000 linear feet of stream bank along its first-order stream, Smith's Run, which is located in the lower Schuylkill Watershed and flows through the SCEE's 340-acre property. The project was guided by a detailed assessment and site plan to stabilize the stream's bank and to revegetate its riparian buffer improving habitat for species such as wood duck, yellow warbler and vireos. The project fits into the overall commitment of the SCEE to restore its riparian corridors and biodiversity at its home through hands-on education activities and volunteer stewardship. After restoration, information about the Smith's Run restoration will become part of the SCEE curricula offered to K-12 students participating in stream ecology, habitat enhancement and water quality lessons.	Riparian	0	0
State of Delaware Oyster Revitalization	Enhancement	This is the 2nd year this project has received federal support thanks to the work of our Delaware Bay Congressional representatives. The project is being carried out by the Delaware Bay Oyster Restoration Task Force. This funding supports the on-going implementation of the Delaware Bay Oyster Restoration Plan. Current restoration efforts include shell-planting and juvenile oyster transplants from down bay to up bay oyster beds. Funding also allowed for an extensive Education and Outreach component carried out by PDE.	Shell Bottom	105	0

State of New Jersey Oyster Restoration Project	Enhancement	This is the 2nd year this project has recieved federal support thanks to the work of our Dleaware Bay Congressional representatives. The project is being carried out by the Delaware Bay Oyster Restoration Task Force. This funding supports the on-going implementatio of the Delaware Bay Oyster Restoration Plan. Current restoration efforts include shell-planting and juvenile oyster transplants from down bay to up bay oyster beds. Funding also allowed for an extensive Education and Outreach componant carried out by PDE.	Shell Bottom	100	0
Toft Woods Restoration Project	Rehabilitation	The Chester Ridley Crum Watershed Association will restore the Toft Woods drainage section of Ridley Creek by eliminating a serious stormwater runoff, erosion, and scouring problem associated with the current stormwater detention and conveyance system that affects a prime fly fishing stretch of Ridley Creek State Park, a high quality trout stream. The project will focus on retaining and recharging more of Toft Woods' runoff on site, reducing the rate and velocity of the stormwater flow, and restoring one acre of wetland, forest edge and meadow habitat. The project is a continuation of the riparian corridor protection program along the length of Ridley Creek.	Riparian	0	0
Valley Creek Bank Stabilization	Reestablishment	Project consisted stabilized 1,000 feet of streambank and implemented invasive species control measures. The streambank was then planted with native plants.	Riparian	0	0
Wyomissing Creek Stream Restoration	Reestablishment	Restoration of a reach of Wyomissing Creek above the area where two dams removed in 2004. The Creek has a number of historical dams that the State of Pennsylvania Fish and Boat Commission and its various partners are working to remove to restore flow and fish habitat	Riparian	0	0
Total				1,747	0

[Return to Top](#)

Can't find what you want? Try our [A-Z Index](#) 

[General Information & Resources](#)

[En Español](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Thursday, November 12th, 2009

URL: http://www.epa.gov/owow_keep/estuaries/pivot/sites/delaware_estuary/2006delaware_estuary.html