



# Habitat Protection

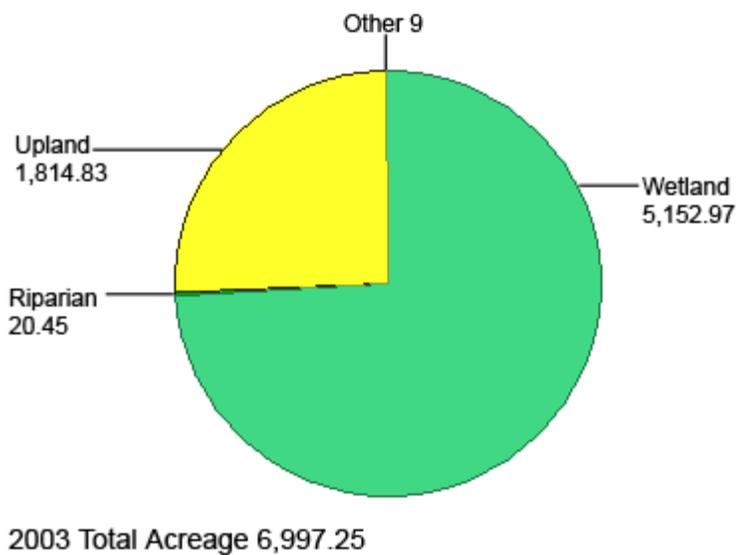
[Contact Us](#) | [Print Version](#) Search:  [GO](#)

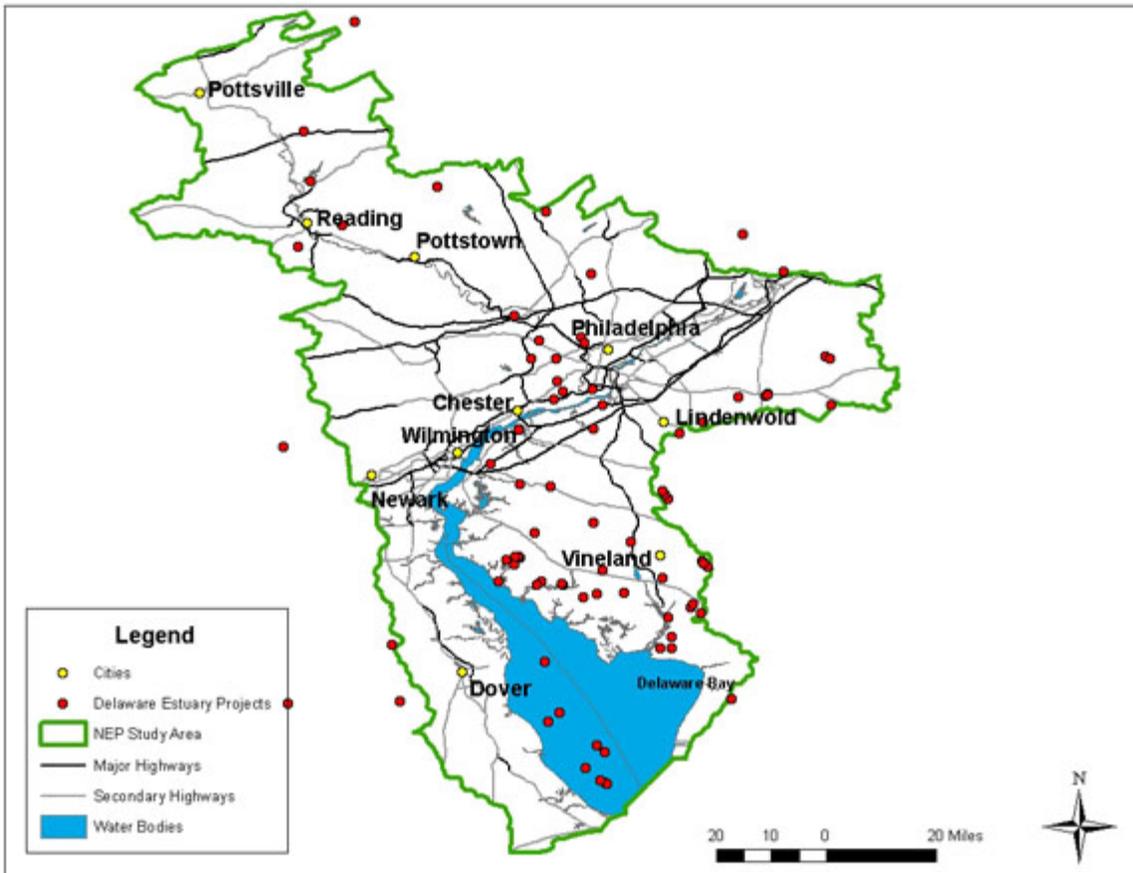
[EPA Home](#) > [Water](#) > [Wetlands, Oceans, & Watersheds](#) > [Oceans, Coasts, & Estuaries](#) > [Habitat Protection](#) > [Performance Indicators Visualization and Outreach Tool Introduction](#) > [Habitat Loss; NEPs by Region](#) > [NEP Sites in South Atlantic](#) > [Delaware Estuary](#)

## Delaware Estuary GPRA 2003 Report Summary by Habitat Category

[Return to Maps](#)

Select the year you want to see the report for: 2003





[View the Habitat Categories](#)

Year 2003 Projects					
Project Name	Activity	Project Description	Habitat Type	Acreage	Linear Miles
Alloways Creek Greenway	Protection	Land Acquisition	Uplands	5.00	
Angelica Creek Rehabilitation - SC10537	Re-Establishment	Angelica Creek Rehabilitation - Streambank restoration of Angelica Creek - included the removal of invasive bareroot plants - the replanting of native grasses - installation of in-stream fish habitat structures; and stormwater BMPs .	Riparian		0.77
Basinscaping 101 at the John Heinz National Wildlife Refuge	Enhancement	Planting native trees and shrubs along a newly constructed roadway in the Wildlife Refuge.	Uplands	5.00	
Bear Swamp Reserve Land acquisition	Protection	Land Acquisition	Wetland	5.00	
Beaser Homes Corp. wetlands project	Enhancement	Enhancement of degraded wetlands - removal of invasives - planting native species on-site	Wetland	5.90	
Buena Vista Twp.Land Preservation Project	Protection	Land Acquisition	Uplands	44.32	
Cape May Penninsula	Protection	Land Acquisition	Wetland	10.00	
Coastal Oil Restoration Project	Rehabilitation	Old stream running through refinery. Grass was mown up to edge. Creation of buffers using native trees and shrubs and letting a 20ft strip of grass grow	Riparian	0.75	
Cohansey River Greenway	Protection	This property will become part of the Cohansey River Wildlife Management Area. The property is located adjacent to existing State-owned lands and also adjacent to the Cohansey River.	Uplands	226.06	

Cohansey River Greenway	Protection	Properties would become part of the Cohansey River Wildlife Mgt. Area/Delaware Bay Greenway. Properties are developable. Lot 7 was already subdivided into two add'l building lots - and at least two more lots could be created with another subdivision.	Uplands	39.47	
Cohansey River Greenway	Protection	Land Acquisition	Uplands	11.13	
Cohansey River WMA	Protection	Land Acquisition	Uplands	32.28	
Conectiv buffer project	Rehabilitation	Retention basin surrounded by fine lawn - mown to edge. Native trees - shrubs - wildflowers and grasses installed to create riparian buffer	Riparian	0.50	0.08
Conectiv Woodbury Creek Mitigation	Rehabilitation	Purchased 0.5 credit at the Woodbury Creek Mitigation Bank	Wetland	0.05	
Crow Creek Streambank Stabilization - SE01713	Re-Establishment	Crow Creek Streambank Stabilization - Repair and stabilize a portion of stream bank of Crow Creek in Walker Park in Upper Merion Township	Riparian		0.32
Delaware Artificial Reef Program Site 2	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 3	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 4	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 5	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 6	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 7	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 8	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Artificial Reef Program Site 8	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of	Other	1.00	

		donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef			
Delaware Artificial Reef Program Site 8	Enhancement	The Delaware Reef Program is one part of a comprehensive fisheries management effort and is designed to enhance fisheries habitat - benefit structure-oriented fish and provide fishing opportunities for anglers. Deployed 1000 tons of donated concrete culvert pipe and other concrete products are the primary material used to serve as an artificial reef	Other	1.00	
Delaware Riverkeeper Network Bartram Darby Creek Stream Restoration	Enhancement	Restoration and enhancement	Riparian	1.20	0.22
Dividing/Nantuxent/Cedar/Back Creeks	Protection	Land Acquisition	Uplands	111.16	
Dividing/Nantuxent/Cedar/Back Creeks	Protection	Land Acquisition	Uplands	1.56	
Dividing/Nantuxent/Cedar/Back Creeks	Protection	Parcel is a land acquisition addition to the Buckshutem Wildlife Management Area.	Uplands	19.50	
East Branch Perkiomen Creek Streambank Rehab & Environ Education Project- Perkasio Borough - SE90643	Re-Establishment	East Branch Perkiomen Creek Streambank Rehab & Environ Education Project- Perkasio Borough. Restored damaged or eroding streambanks in Lenape Park by installing vegetated crib walls - willow twigging - and vegetated stream deflectors to improve habitat. Provides education outreach via a kiosk about nonpoint source pollution and streambank stabilization.	Riparian		0.21
Ferro meadow restoration	Rehabilitation	Warm season grass and native wildflower installation in an old farm field	Uplands	30.00	
Furnace Creek Streambank Fencing Recycled Fence Post Implementation - SC10258	Re-Establishment	Furnace Creek Streambank Fencing Recycled Fence Post Implementation - Agricultural BMP Project: streambank fencing project on Furnace Creek to restore habitat and reduce non-point pollution loading. 7 cattle crossings installed	Riparian		1.39
Greenspace Programs	Protection	Protection of wildlife habitat from development by acquisition into the Little Creek Wildlife Area	Wetland	0.20	
Greenspace Programs	Protection	Protection of wildlife habitat from development by acquisition into the Norman G. Wilder Wildlife Area	Uplands	12.00	
Greenspace Programs	Protection	Protection of wildlife habitat from development by acquisition into the Augustine Wildlife Area.	Wetland	248.00	
Greenspace Programs	Protection	Protection of wildlife habitat from development by acquisition into the Milford Neck Wildlife Area	Wetland	38.00	
Jansen Ave. Tide Gate Restoration - SE90880	Re-Establishment	Jansen Ave. Tide Gate Restoration - Replacement of an existing manually operated Tide Gate with a self-regulating Tide Gate located adjacent John Heinz Wildlife Refuge on the Long Hook Creek Watershed. The project also entailed the removal of existing culvert pipes to be replaced by a single 60 culvert.	Instream		0.01
Kaiserman JCC: Reclaiming the Indian Creek	Enhancement	Stream bank overrun with Japanese Knotweed. Removal of invasive species and replanted with native vegetation	Riparian		0.06
Kohler Park Riparian Buffer Restoration Phase II - SE10045	Re-Establishment	Kohler Park Riparian Buffer Restoration Phase II. Streambank stabilization - removal invasive species and re-establishment vegetation along 600' of the banks of Park Creek in Kohler Park	Riparian		0.20
Lawrence Road/Darby Creek Bank Stabilization - SE01611	Re-Establishment	Lawrence Road/Darby Creek Bank Stabilization. Repair and stabilization of a portion of Darby Creek streambank by installing a meandering riparian berm buffer with grasses - shrubs and trees.	Riparian		0.19
Mad Horse Creek	Protection	This tract is adjacent to Mad Horse Ck WMA and will provide additional frontage on Delaware Bay. Mostly meadow small areas of upland scrub and forest.	Wetland	585.00	
Maidencreek Agricultural Best Management Practice Initiative	Re-Establishment	Maidencreek Agricultural Best Management Practice Initiative. Continued funding for agricultural BMP to restore	Riparian	9.00	0.22

- SC90114		damaged streambanks. BMPS included the installation of streamside fencing - limiting livestock stream crossings and plant 1600 tree seedlings			
Maurice River Greenway	Protection	Land Acquisition	Uplands	35.00	
Maurice River Greenway	Protection	Land Acquisition	Uplands	29.45	
Maurice River Greenway	Protection	Land Acquisition	Uplands	41.45	
Maurice River Greenway	Protection	Land Acquisition	Uplands	16.16	
Maurice River Greenway	Protection	Land Acquisition	Uplands	46.60	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	28.75	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	0.03	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	30.00	
Maurice River Twp.Land acquisition	Protection	Land acquisition through the NJDEP Green Acres Limited Practical Use Program.	Uplands	0.35	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	47.32	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	92.01	
Maurice River Twp.Land acquisition	Protection	Land Acquisition	Uplands	5.76	
Meadow Lake Restoration - SE00687	Establishment	Meadow Lake Restoration - Restoration of a portion on the Meadow Lake shoreline. Project included the removal of exotic invasive plant species and the replanting of native plant species. Removed an abandoned swimming pool and replaced it with freshwater wetlands.	Wetland	10.00	
Medford Twp. Land Acquisition	Protection	Land Acquisition	Wetland	20.00	
Moselem Creek Headwaters Renewal - SC10292	Re-Establishment	Moselem Creek Headwaters Renewal - Restoration of 2 ponds and several springs at a country club golf course through bank stabilization - pesticide reduction and replant riparian areas. (streambank restoration using biologs - cocunut fiber blankets - 450 live stakes and 100 rooted cuttings)	Instream		0.20
NCW Restoration & Protection Plan - Phase I - NE01625	Establishment	NCW Restoration & Protection Plan - Phase I. Removal of 162,000 cu yds of culm spoil bank - construction of a 40 acre wetland and regrading a connector road to direct stormwater into the created wetland on the.Nesquehonig Creek. Planted 8000 wetlands plants.Created 8.5 acres of wetlands and restored 37 acres	Wetland	45.50	
NJDEOT Raccoon Creek Wetlands Project	Establishment	Creation of tidal wetlands tributary to Raccoon Creek.	Wetland	0.20	
Open Water Marsh Management	Establishment	Restoration of Surface Water in parallel grid ditched marshes reduces pesticide use and provides habitat for killfish that are natural mosquito controls and wildlife. Reduce salt marsh mosquitoes and create waterfowl - waterbird - submerged aquatic vegetation - aquatic macro invertebrate - and fisheries habitats through establishment of permanent non-tidal waterbodies in saltmarshes	Wetland	367.00	
Osborne Wetlands Mitigation Site	Establishment	The construction of limited access State Route 1 involved impacts to wetlands. Freshwater wetlands were created to compensate for highway construction losses. Development of Mitigation Banks to create wetlands for the construction of highways	Wetland	93.70	
Packwachen Run Pond Restoration - SC90704	Re-Establishment	Packwachen Run Pond Restoration for streambank fencing - establishing riparian buffer and restructuring two ponds by lowering the outflow water temperatures into an unnamed tributary to Perkiomen Creek.	Riparian		0.06

Pemberton Twp. Land Acquisition	Protection	Land Acquisition	Wetland	0.27	
Pemberton Twp. Land Acquisition	Protection	Land Acquisition	Wetland	0.04	
Phragmites control for state owned lands	Enhancement	Phragmites control and vegetation diversity restoration	Wetland	1,895.00	
Phragmites control program for local land owners	Enhancement	Phragmites control and vegetation diversity restoration. 50/50 Cost Share with Private Landowners	Wetland	1,725.00	
Pine Hill Scout Reservation Vernal Pond restoration	Enhancement	Through a volunteer work force a vernal pond will be enhanced by removing silt from an eroded slope - stabilizing the bank and expanding the capacity for amphibians to breed. A vernal pond pamphlet will also be created for visitors.	Riparian	1.00	
Pinelands	Protection	Land Acquisition	Uplands	261.79	
Pinelands	Protection	Land Acquisition	Uplands	62.38	
Pinelands	Protection	Land Acquisition	Uplands	53.34	
Pinelands	Protection	Land Acquisition	Uplands	30.40	
PSE&G Pond Run Wetlands Project	Establishment	Created 0.892 acres Palustrine emergent freshwater wetlands that are tributary to Pond Run	Wetland	0.89	
PSEG wetlands project	Establishment	Restoration of palustrine forested freshwater wetlands	Wetland	0.48	
Regional Basin Retro-Fit - SE01604	Establishment	Regional Basin Retro-Fit. This demonstration project converted a gabion dry-dam - which was intended to provide stormwater control for a 50 acre watershed into a wet pond. The project incorporated wetland plantings - sediment forebay and various other components that will significantly benefit water quality of the Mill Creek by reducing 9 tons/yr of sedimentation - nutrients and heavy metals. About 100,000 cu ft/yr irrigation will also be provided.	Wetland	0.34	
Salem River/Mannington Greenway	Protection	Land Acquisition	Uplands	46.75	
Salem River/Mannington Greenway	Protection	Land Acquisition	Wetland	69.00	
Southampton Twp. Land Acquisition	Protection	Land acquisition through the NJDEP Green Acres Limited Practical Use Program.	Wetland	33.40	
Southampton Twp. Land Acquisition	Protection	Land acquisition through the NJDEP Green Acres Limited Practical Use Program.	Uplands	6.40	
Southampton Twp. Land Acquisition	Protection	Land acquisition through the NJDEP Green Acres Limited Practical Use Program.	Uplands	7.80	
Stoltzfus Farm Streambank Restoration and Sediment Reduction on the Limekiln Creek - SC01639	Re-Establishment	Stoltzfus Farm Streambank Restoration and Sediment Reduction on the Limekiln Creek. Agricultural riparian buffer BMP Project providing streambank fencing - controlled cattle crossings and plantings on Stoltzfus Farm of Limekiln Creek.	Riparian		0.50
Stow Creek	Protection	Land Acquisition	Uplands	347.58	
Stow Creek	Protection	Land acquisition property will become part of Stow Creek Park adjacent to existing State lands and offered properties.	Uplands	53.55	
Stow Creek	Protection	This land acquisition property is directly adjacent to newly acquired State land(lot 3). Bald eagle habitat. Parcel has frontage on Stow Creek.	Uplands	14.25	
Stow Creek	Protection	Land acquisition property adjacent to acquired lands that will become part of Stow Creek Wildlife Mgt. Area.	Uplands	17.40	
Stow Creek	Protection	Land acquisition property will become part of the Stow Creek Greenway.	Uplands	2.15	
Wissahickon Restoration Invasive Exotic Plant Removal	Enhancement	A volunteer program to chemically treat and eliminate the growth of Japanese knotweed in the Wissahickon - and will continue to monitor the area to determine future removal and	Riparian	8.00	

		planting needs.			
Wissahickon Riparian Reforestation - SE90886	Re-Establishment	Wissahickon Riparian Reforestation. Riparian buffer restoration: Invasive species were removed and over 1300 trees and shrubs were planted along streams and wetland areas. An education and public awareness program on the benefits of riparian forests was also created.	Riparian		0.057
Woodland Twp. Land Donation	Protection	Land acquisition through the NJDEP Green Acres Limited Practical Use Program.	Uplands	0.68	
Total				6,997.25	4.47

 [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/2003delaware\\_estuary.html](http://www.epa.gov/owow_keep/estuaries/pivot/sites/delaware_estuary/2003delaware_estuary.html)