

TRUST FUND RESTORATION PARTNERSHIP

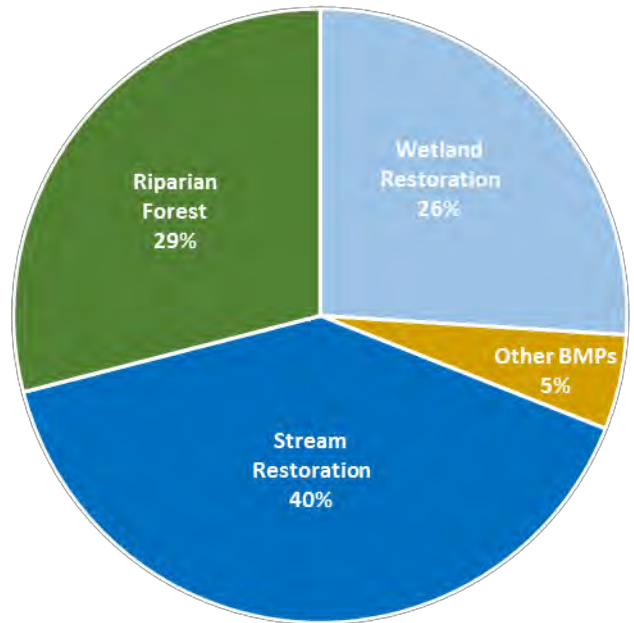
HARFORD SOIL CONSERVATION DISTRICT

WORKING WITH LANDOWNERS TO PROTECT RESOURCES AND IMPROVE WATER QUALITY



In December 2013, the Harford Soil Conservation District (HSCD) received a Fiscal Year 2014 (FY14) Chesapeake and Atlantic Coastal Bays Trust Fund (Trust Fund) grant from the Maryland Department of Natural Resources (DNR) for the design and implementation of 13 separate projects comprised of stream, wetland, and riparian forest restoration on agricultural and rural privately-owned properties in Harford County, Maryland. These FY14 projects successfully restored 11,375 linear feet of stream, 21.43 acres of wetlands, and 1.53 acres of riparian forest, with estimated sediment and nutrient reductions of 361 pounds per year (lbs/yr) of Nitrogen, 37 lbs/yr of Phosphorus, and 18,460 lbs/yr of Total Suspended Solids. HSCD reports these reductions toward their agricultural Watershed Implementation Plan goals.

HSCD also received Trust Fund grants for Fiscal Years 2015 and 2016, funding the implementation of 5 new projects yielding the restoration of 8,180 linear feet of stream, 2.8 acres of wetlands, and 11.84 acres of riparian forest, and the design and permitting of 4 additional projects. These design-only projects are intended for Fiscal Year 2017 implementation, and will yield an additional $\pm 13,590$ linear feet of stream restoration, and ± 3.3 acres of wetland restoration. To date, HSCD has successfully fulfilled and



NUTRIENT & SEDIMENT REDUCTION BY PRACTICE

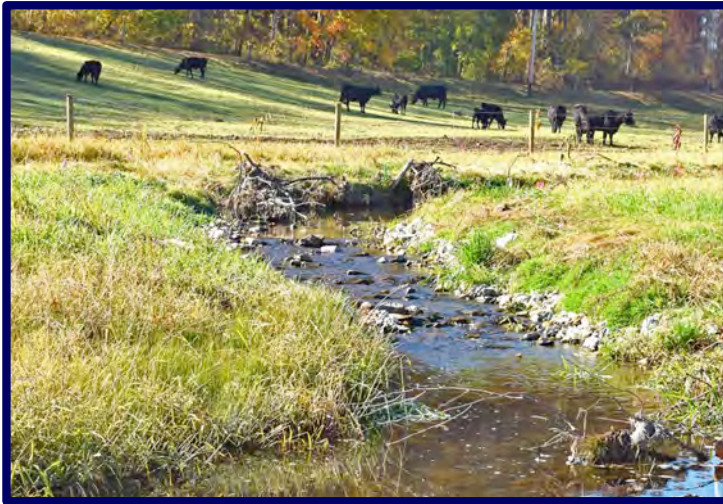
closed one Trust Fund grant, and will complete and close a second Trust Fund grant in the spring of 2016. HSCD's performance has delivered high quality, high-function restoration projects on time and on budget, while proactively resolving numerous unanticipated project issues, setbacks, and delays to keep deliverables on track without creating any additional funding or administrative burden on DNR.



FOREST AND WETLAND RESTORATION ALONG ISLAND BRANCH

HARFORD SCD TRUST FUND PROJECTS FISCAL YEARS 2014-2016

Project Type (some projects have multiple practices)	Stream Restoration	Wetland Restoration	Riparian Forest Buffer	Other Agricultural BMPs (e.g., exclusion fencing)
Number of Practices Funded	19	7	3	22
Deliverables Funded	19,555 linear ft	24.24 acres	13.37 acres	various
Deliverables Completed as of 2/16	11,375 linear ft	21.43 acres	1.53 acres	various
Nutrient and Sediment Reduction Deliverables Funded	TN= 132.97 lbs/yr TP= 23.47 lbs/yr TSS= 25,421.5 lbs/yr	TN= 269.31 lbs/yr TP= 23.76 lbs/yr TSS= 3,369.36 lbs/yr	TN= 394.42 lbs/yr TP= 16.31 lbs/yr TSS= 6056.61 lbs/yr	--
Nutrient and Sediment Reduction Deliverables Completed as of 2/16	TN= 77.35 lbs/yr TP= 13.65 lbs/yr TSS= 14,787.5 lbs/yr	TN= 238.09 lbs/yr TP= 21.00 lbs/yr TSS= 2978.77 lbs/yr	TN= 45.14 lbs/yr TP= 1.87 lbs/yr TSS= 693.09 lbs/yr	--
Average Unit Cost	\$216/LF	\$29,700/acre	\$9,720/acre	--

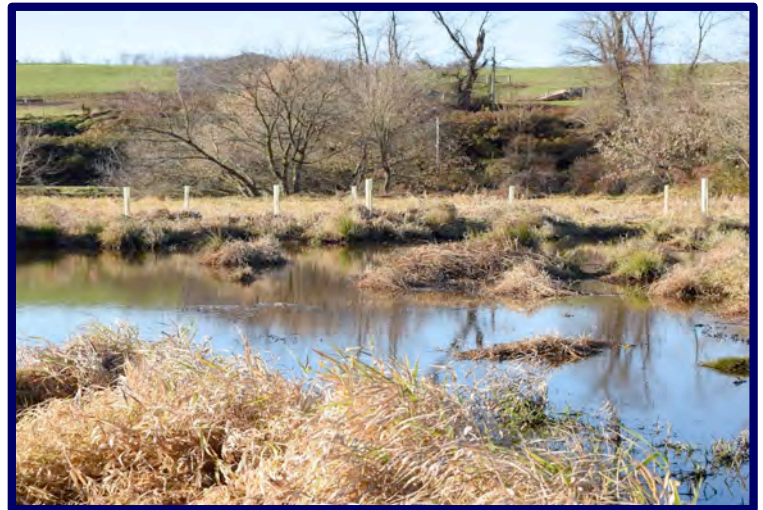


NORTH STIRRUP RUN STREAM RESTORATION

In its performance of these Trust Fund projects, HSCD has leveraged a longstanding cooperative agreement with its design/build natural resource contractor, Ecotone, Inc., to assist in the design, permitting and implementation of restoration projects. This public/private partnership formed through a publicly solicited request for proposals advertised by HSCD in 2004. HSCD and Ecotone executed a Partnership Memorandum of Agreement in October 2004 for the expressed purpose of “promoting improved land stewardship of agricultural lands and sensitive habitats in Harford County to improve overall watershed health” through the interface of HSCD’s traditional agricultural best management programs with Ecotone’s expertise in the design and implementation of wetland, stream, and habitat restoration. The HSCD/Ecotone partnership has successfully collaborated on nearly 50 separate projects, using multiple grant funding sources including Trout Unlimited, National Fish and Wildlife

Foundation, Chesapeake Bay Trust, Maryland Department of the Environment, and the Maryland DNR Chesapeake and Atlantic Coastal Bays Trust Fund, as well as traditional USDA Farm Bill programs. This public/private relationship has been integral to achieving the Trust Fund project successes while improving agricultural conservation and stewardship on private lands in Harford County.

HSCD’s accomplishments under the Trust Fund grants have been greeted by a groundswell of support from both the private and public sectors. One result of the increasing public awareness of HSCD successful restoration efforts has been a steady stream of unsolicited outreach by private landowners with restoration needs and opportunities, resulting in a backlog of high quality potential project opportunities. HSCD’s ability to continue this important work relies on funding support of vital programs such as the Chesapeake and Atlantic Coastal Bays Trust Fund.



DEER CREEK FLOODPLAIN WETLAND CREATION

