



#### **Outreach and Restoration**

This program was established to provide accessible funds to organizations and agencies to implement community-led stewardship efforts that increase public understanding of environmental challenges; implement demonstration-scale, community-based, on-the-ground restoration projects; and expand the base of public support necessary to advance the restoration of Maryland's bays, tributaries, and other natural resources.



Track 3: Outreach & Restoration 304,920 sq. ft. of buffers installed

132 volunteers engaged

1,400 native plants planted

1,400 trees planted

**6,000** ft. of stream bank fencing installed



## Arbaugh Dairy Farm Stewardship Project, Wolf Pit Branch, Little Pipe Creek, Monacacy River Watershed

The Chesapeake Bay Foundation, Carroll County Soil Conservation District and landowner implemented agricultural best management practices on this dairy confined animal feeding operation as part of Carroll County's Watershed Implementation Plan.

The goals of CBF's Farm Stewardship Program are to: foster cooperative relationships throughout the Upper Potomac watershed between civic and environmental groups, conservation districts, other applicable groups, and neighboring watersheds; involve citizen volunteers and local schools in the hands-on restoration of planting native vegetation and educate them on local water quality issues and stewardship actions they can undertake; encourage neighbor-toneighbor communication since it has proven to be one of the most effective means to market riparian buffer restoration projects to new landowners; and expose volunteers to the various local, state, and regional regulatory agencies as well as watershed/conservation organizations to increase public participation in watershed restoration activities and policy issues so their voices can be heard by decisionmakers.

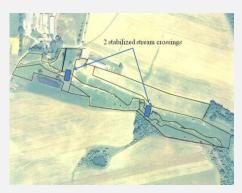
This project will improve water quality, enhance wildlife habitat, and engage the local community, as well as contribute to the goals of Carroll County's WIP. By working with the landowner of this dairy CAFO and the Carroll County SCD, CBF restored 6,000 feet of stream bank for a first order tributary to Little Pike Creek in the Monocacy River watershed.

CBF will be implementing a similar project on ten acres less than a half mile away from the Arbaugh Dairy Farm site. CBF aims to continue using these successful restoration methods on as many sites as possible to accelerate the pace of water quality recovery. Additionally, because of the positive experience Washington Gas and Sterling Planet employees had at the planting event and as a result of the successful grant outcomes, they will be continuing their support and private funding contributions for future projects.

#### **Project Elements**

Outreach/Awareness: CBF exceeded its volunteer target of engaging 90 volunteers, as a total of 132 volunteers participated in the Earth Day planting at the farm. Members of CBF's education department were present at the planting, helping to provide supplemental education about the local watershed and the connection between the restoration events and improved water quality. In attendance were 20 people of color and 15 students. CBF tried to engage the community as much as possible through the volunteer opportunity, and the hiring of a local contractor to construct the stream crossings.

Restoration: CBF implemented agricultural best management practices at the Arbaugh Dairy Farm — a confined animal feeding operation as part of Carroll County's Watershed Implementation Plan. The project completed 6,000 feet of cattle exclusion fencing along Wolf Pit Branch, in addition to the construction of two stabilized stream crossings. Additionally, CBF planted 1,400 native trees and shrubs totaling the restoration of seven acres.



Volunteers and students planted 1,400 trees in order to stabilize a stream on a confined animal feeding operation. Cattle exclusion fencing was also installed to prevent further erosion.









CBT Funds Awarded: \$25,000 Chesapeake Bay Foundation: \$19,274 NCRS: \$2,500 **Total:** \$50,274

### **Project Partners:**



# CHESAPEAKE BAY FOUNDATION

Saving a National Treasure



