



# The Pioneer Grant Program

The 2016 Pioneer Grant Program aims to reduce nutrient and/or sediment contaminant loads to the Maryland portion of the Chesapeake Bay and Maryland Coastal Bays from any nonpoint source: agriculture, urban or suburban stormwater, air, and septic by seeking proposals that focus on new techniques, information, or programs that increase the rate at which load reductions can occur.



## Chesapeake Appreciation Inc d/b/a Chesapeake Bay Recovery Partnership **Putting Local Communities in Charge**

2005-2009

**Project Track:** New program

**Research Question:** How can measureable results be obtained from using stormwater best management practices?

**Research Results:** The Town of Centreville was able to demonstrate that measureable results can be achieved with a concentration of efforts, significant levels of implementation and innovation in both the urban and agricultural areas of a watershed. 10 rain gardens and 2 bioretention areas were constructed in both public and private areas.

**Notable Information:** Installing rain gardens on private property was much easier than installing them on public property due to permitting issues and contaminated soil.

## PROJECT PARTNERS



# The Pioneer Grant Program

## Final Report Narrative

### Chesapeake Appreciation Inc d/b/a Chesapeake Bay Recovery Partnership **Putting Local Communities in Charge**

2005-2009

#### **Summary of Project**

Initiated in 2006, this project was initiated to demonstrate that measurable results can be achieved with a concentration of efforts, significant levels of implementation and innovation must occur in both the urban and agricultural areas of the watershed. Recognizing the contribution of uncontrolled urban and suburban runoff to the local impairments in the streams and rivers of the Corsica watershed- much of the Town of Centreville was built prior to the codification of stormwater management. This grant provided the Town of Centreville with the tools needed to take on this challenge and to build the citizen involvement that is the key to future success.

Ecosite was hired to develop a feasibility study and master plan. Additionally, several demonstration projects were completed- 10 homeowner retrofits for rain gardens and two public retrofits at the Queen Anne Sheriff's Office and the Centreville Police Station.

- 2 bioretention/bioswales built
- Feasibility and Master plan created
- 3 workshops about rain gardens
- 10 raingardens installed in neighborhoods
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#### **Project Evaluation**

While the private component went smoothly, the public demonstration projects encountered issues in acquiring final site approval and then encountering contaminated soil which need to be addressed in an environmentally safe manner.

#### **Transferability and Sustainability**

The feasibility and the urban restoration master plan generated by Ecosite should be a tremendous asset to the City of Centreville in the years ahead as they continue to improve their stormwater management controls.

#### **Monitoring and Maintenance**

Homeowners and employees are caring for the demonstration projects that were completed as part of the program.

#### **Community Involvement and Outreach Activities**

The community stakeholder coordination was completed over 15 months. A summary timeline is listed:

- Selected 10 households for demonstration stormwater retrofits (Apr 06)
- Conducted 1<sup>st</sup> community engagement workshop on stormwater management tech (Apr 06-Jul 06)
- Implemented 2 homeowner retrofits (Sept 06)
- Rolled-out Homeowner Self Certification program (Sept 06)
- Implemented 2 homeowner retrofits (Sept 06)
- Conducted 2<sup>nd</sup> community engagement workshop (Oct 06)
- Implemented 2 homeowner retrofits (Mar 07)

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- Conducted 3<sup>rd</sup> community engagement workshop (Apr 07)
- Implemented 2 homeowner retrofits (May 07)

The following 10 homeowner retrofit rain gardens were completed on the following dates:

- Maroney: 9/19/06
- Worth: 10/17/06
- Baxter: 7/11/07
- Blount: 7/6/07
- Clark: 6/19/07
- Garrett: 7/11/07
- Heinz: 6/21/07
- McCluskey: 6/15/07
- Rugg: 7/11/07
- Simpson: 7/6/2007

### **Partnerships**

- Maryland Department of Natural Resources: onsite technical lead and coordinator
- Ecosite: contractor hired to complete much of the plans and demonstration projects
- Town of Centreville: Receptive to exploring and implementing public and private demonstration projects.
- Alliance for the Chesapeake Bay: for providing initial education outreach and coordinating implementation of homeowner rain gardens.

### **Accounting of Expenditures**

CBT Funds: \$100,000

CAI Funds: \$11,000

**Total Funds: \$111,000**