

Troy Harward
Ecotone, Inc.
Environmental Scientist

Education

B.A. Environmental Issues, Minor Biology. Salisbury University, Salisbury, Maryland. 2009.

Related Course Work

Maryland State Highway Administration Erosion and Sediment Control Certification, 2010

Relevant Experience

Mr. Harward is an Environmental Scientist for Ecotone, Inc., an environmental consulting firm specializing in wetland, forest, stream, and natural resource assessment, restoration, and regulatory guidance. He has experience in stream and wetland restoration, surveying and monitoring, reforestation, and water quality monitoring. Mr. Harward has experience in landscape and environmental construction and assists in overseeing the implementation of Ecotone, Inc. construction projects.

Relevant projects include:

Preserve @ Rock Creek Well Monitoring, Montgomery County, MD 2011.

Environmental Scientist. Monitor four wells at a site that is under construction two times a year. Pre-construction well monitoring was completed to set the baseline for during construction water quality monitoring. Precipitation is monitored with a rain gauge that is set-up on one of the wells. Samples are taken from each well and tested for turbidity, dissolved oxygen, pH, and alkalinity on site. Samples are in addition taken to a lab where they are tested for several different parameters.

Mount Vista Stream Restoration, Kingsville MD, 2011

Environmental Scientist/ on-site manager. Restoration of a stream which included installation of stone toe protection, rock cross vane, and imbricated wall, along with streambank stabilization. Coordinated construction crew, sub-contractors, and delivery of material needed for project along with interpreting plans for proper installation of restoration measures. Construction was completed in the summer of 2011.

Red House Run at St. Patrick Road Stream Restoration, Overlea, MD 2011

Environmental Scientist. Restoration and stabilization of 2,750 linear feet of Red House Run for Baltimore County Public Works. These measures included the installation of riffle grade controls, stone toe, imbricated wall, outfall protection, and step pool sequence. Coordinated construction crew, sub-contractors, and delivery of material needed for project along with interpreting plans for proper installation of restoration measures. Construction was completed in the winter of 2011.

Barrie School Natural Resource Inventory/Forest Stand Delineation, Montgomery County, MD 2010.

Environmental Scientist. Completed forest stand delineation and natural resource inventory for the 45 acre school site.

Nixon Farm Wetland Mitigation, West Friendship, MD, 2010.

Environmental Scientist. Construction included the creation and enhancement of 9 acres of wetland and adding 600 linear feet of stream. Stream channel creation included the installation of rock vanes, log vanes, and stable stream morphology. This project was directed by the Maryland State Highway Administration.

Falling Spring Branch Stream Restoration, Powers Reach, Chambersburg, PA, 2010.

Environmental Scientist. Restoration of 940 linear feet of Falling Spring Branch for the Falling Spring Greenway. Construction included narrowing of the stream channel, installation of lunger structures for trout habitat, boulder clusters, roller eddies, and sod matting. Construction completed in Spring 2010 and is currently in the post construction monitoring phase.

Tall Maple Court Stream Restoration, Ellicott City, MD, 2010.

Environmental Scientist. Restoration of approximately 425 feet of a tributary to the Patapsico River. This construction included a series of step pools, live branch layering, and grading morphological features in the stream channel. This project was directed by the Howard County Department of Public Works.