

Project Description:

Growing Greener Funding was to be used to construct off stream animal watering systems thereby reducing sedimentation and nutrient loading in local waters.

Project Goals:

The goal was to provide off stream watering systems on 3 farms in a priority watershed in Susquehanna County. This was to be broken down into 3 deliverables – one deliverable for each farm. Each deliverable was to be similar in that they included excavation, installation of water collection pipes, water pipeline and watering troughs with a gravel skirt around them to protect the ground from animal traffic as well as support maintenance activities. By watering animals off of streams, there will be a reduction in erosion, sedimentation and nutrient runoff reaching streams in pastures. The completion of these BMPs would substantially reduce the amount of sediment and nutrient pollution reaching local waterways through the headwaters of the Susquehanna River.

Project Results:**Deliverable #1 North Branch Farm Cattle Watering System****Project Costs:**

Phalen Watering System: \$ 15,010.30

Lessons Learned: Through the implementation of this grant the need for good communication between the operators and new district staff was crucial to the design process of projects that would meet the needs of the operators as well as met the goals of the grant. The ability to be flexible and utilize multiple funding sources to complete projects that had changed designs and cost estimates was also a lesson learned by district staff. Another lesson learned was how to be flexible when it came to utilizing grant funding. The district worked with DEP Watershed Project Manager to not only change the type of watering system but to also to successfully reallocate funding for an operator who was not identified in the original application.

Partners:

The successful implementation of this projects was possible through the collaborative efforts of NRCS Engineering Staff, Lackawanna County Conservation District Staff who helps inspect through construction and to the Watershed Manger who helped with the process of change of scope when the well system was identified as a better option to achieve and off stream watering system at the North Branch Farm. I would like to also recognize

Contact Information: Nathan Harpster Watershed Susquehanna County Conservation District