

Project Description and Goals – The primary goal of this grant was to reduce the amount of sedimentation, erosion, and nutrient run-off by constructing spring developments on nine separate farms across the Chesapeake Bay Watershed in Susquehanna County. The implemented best management practices once completed on identified farms would help protect local waterways within the headwaters of the Chesapeake Bay Watershed.

The projects that were ultimately implemented with this grant funding would provide off-stream watering systems on one dairy operation (Parks Dairy) and two beef operations (Chianese and Hepler). Although only three of the originally identified operations would see the implementation of the best management practices, the type of projects did meet the original scope of work proposed in the grant application

Project Timeframe – December 07, 2017 through December 31, 2020

Pictures –



Project Results – The Hepler Farm, Chianese Farm, and the Parks Farm all successfully implemented off-stream watering systems for their cattle. Stream access was restricted to specific crossing points after the implementation of the systems thereby reducing the amount of sedimentation and direct nutrient loading from animal traffic on these local waterways.

Once completed the project addressed the resource concerns by providing off-stream watering systems for Hepler's 38 AEU, Park's 69.41 AEU's, and Chianese's 77. Implemented projects have a combined nutrient reduction of 22.57 pounds of Nitrogen, 3.56 pounds of Phosphorus, and 85.49 pounds of suspended sediment annually.

Project Costs - \$23,055.00 in Growing Greener plus an additional \$16,700.00 in match funds.