

Comprehensive Watershed Conservation 2
Growing Greener Program - Document #C990000653
Wysox Creek Watershed Association

PROJECT DESCRIPTION: Parks and Bullard Creeks are identified on the 303d impaired streams list due to siltation. Both watersheds have significant sediment and nutrient inputs from streambank erosion, agricultural runoff, and stormwater runoff related to dirt and gravel roads. This project included the stabilization of excessively eroding streambanks, installation of agricultural best management practices (BMPs), and installation of stormwater controls on dirt and gravel roads within the Parks and Bullard Creek watersheds.

PROJECT GOALS: Goals include reducing sediment, nitrogen, and phosphorus inputs into Parks and Bullard Creeks with the hopes of making progress toward de-listing from the impaired streams list.

PROJECT RESULTS: Stream corridor rehabilitation occurred on approximately 2,000 feet of stream within the Parks and Bullard Creek Watersheds. Two projects were completed and incorporated BMPs including: rock rip-rap placement; constructed riffles; bank grading; deflectors; forested riparian buffer establishment; fencing; and seeding and mulching.

4,000 feet of Harrington Road in Rome Township was stabilized following Dirt, Gravel, and Low Volume Road Environmentally Sensitive Maintenance Practices. Total accomplishments for this project included: 4,000 feet of road stabilized, 4,850 tons of road fill added to promote sheet flow; 850 feet of underdrain added to improve drainage and prevent saturation of the road base; installation of 8 new cross-pipes to reduce concentrated flow in ditches; installation of rock inlet and outlet protection on the cross-pipes to reduce erosion and sedimentation; and seeding and mulching of approximately 1,950 sq.yd. of disturbed area.

Sediment reductions are estimated at 1,520 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 3,345 lbs and 1,675 lbs, respectively.

PHOTOS: Project photos of completed stream and dirt & gravel road BMPs



Stabilized ditches and road surface



Bank sloping, grade control, and forested riparian buffer establishment

PROJECT COSTS: \$78,500 (Growing Greener); \$167,447 (Other Sources)

LESSONS LEARNED: Great partnerships yield exceptional results.

PARTNERS: Bradford County Conservation District; USDA-NRCS; National Fish and Wildlife Foundation; Upper Susquehanna Coalition; Center for Dirt, Gravel, and Low Volume Road Studies; State Conservation Commission; Rome Township

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