

**Comprehensive Watershed Conservation 3**  
**Growing Greener Program - Document #C990002558**  
**Wysox Creek Watershed Association**

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**PROJECT DESCRIPTION:** Bear Creek is a significant contributor of sediment to Wysox Creek which is identified on the 303d impaired streams list due to siltation. Major contributing factors to sedimentation and also nutrification are streambank erosion and stormwater runoff related to dirt, gravel, and low volume municipal roads. This project included streambank rehabilitation and installation of stormwater controls on low volume roads within the Bear Creek watershed.

**PROJECT GOALS:** Goals include reducing sediment, nitrogen, and phosphorus inputs into Wysox Creek and ultimately the Chesapeake Bay through soil stabilization along the stream corridor as well as treating stormwater runoff.

**PROJECT RESULTS:** Streambank rehabilitation occurred on approximately 100 feet of stream and a 300 ft. diversion and 4,800 sq.ft. stormwater retention basin were constructed to treat stormwater runoff and prevent further gulley erosion on one property within the Bear Creek Watershed. Additional match funding allowed dirt and gravel road best management practices to be completed on 2,400 feet of road within the watershed. In all, sediment reductions are estimated at 842 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 1,852 lbs and 926 lbs, respectively.

**PHOTOS:** Project photos of a completed diversion and stormwater retention basin project.



Completed diversion ditch that collects water from 3 road cross pipes and sends stormwater runoff to a retention basin to eliminate gulley erosion over a steep forested hillside. Added benefits were wildlife habitat diversity.

**PROJECT COSTS:** \$100,000 (Growing Greener); \$85,000 (SCC); \$18,000 (Rome Township)

**LESSONS LEARNED:** Great partnerships yield exceptional results.

**PARTNERS:** WCWA; Bradford County Conservation District; SCC; Center for Dirt & Gravel Road Studies; PA DEP; Rome Township; Landowners

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