

Ludwig's Run Stream Restoration 2015 to 2016



Stormwater Basin before restoration

This project restored two separate sites on Ludwig's Run over a two-year period. The restored stream length totaled 2,000 feet and included eleven individual landowners, a homeowner's association (87 homes), and an elementary school. The two restoration sites were in mature forest and used in-stream structures such as cross vanes (both rock and log), root wads, and toe rock as well as stream bank grading.

The project also included the repair and retrofitting of a failed, 30-year-old stormwater basin. The work included enlarging the basin, new inlet and outlet structures, and a concrete, cable mat emergency spillway.

Ludwig's Run begins in the Foxcroft development in Uwchlan Township and is impacted by suburban runoff. The projects are all cited as high priority in the 2010 Shamona Creek Restoration Plan, funded by Williams Companies, which also funded the restoration work.



Streambank grading



Basin after restoration



Ludwig's Run after restoration

Restoration Design: Clauser Environmental LLC

Construction: Flyway Excavating

Funding: Williams Companies

Cost: \$550,000



**Brandywine
Red Clay Alliance**

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