

**McKee Run Streambank Stabilization Project**  
**Growing Greener Environmental Stewardship and Watershed Protection Grant # SW160134**  
**Sponsor: Indiana County Conservation District**

**PROJECT DESCRIPTION** The McKee Run Streambank Stabilization Project is located on an impaired TMDL stream segment in White Township, Indiana County, Pennsylvania. This project is located on private property that runs along a private pond. The bank bordering the pond has developed a sharp meander and during high flows has become eroded with many existing trees falling into the stream. Project timeframe: 12/7/17-10/7/19.

**PROJECT GOALS** stabilize an approximately 210 foot-long reach of McKee Run with vertical banks approximately 5 feet in height by installing four root wad structures, three J-hook/log vanes, and a 60-foot long toe crib structure.

**PROJECT RESULTS** This project stabilized an eroding streambank and fish habitat structures helped to divert the flow away from the bank to reduce future streambank impairment. This should result in reduction of 25 tons of sediment per year from entering into McKee Run. This is estimated based on the length of the project site, bank height, and estimating approximately six inches of depth eroded per year. The project will prevent future erosion from threatening the integrity and possible failure of the breast of the pond.

Before Construction



After Construction



**PROJECT COSTS** \$20,494 Grant allocation (+\$4,175 match); total project cost of \$24,793.

**LESSONS LEARNED** Changes to the stream channel could alter the scope of work.

**PARTNERS** Indiana County Conservation District; David E. Beale, Consulting Forester, Paul R. Atkinson and Son, Inc.

**CONTACT INFORMATION** Indiana County Conservation District, Doug Beri at [d.beri@iccdpa.org](mailto:d.beri@iccdpa.org)