

Project Description - The section of Crouse Run proposed for restoration is characterized as having severe bank erosion as a result of years of flashy flows from storm runoff. The storm water runoff has also caused the stream to widen in sections, which has inhibited the ability of the channel to effectively transport sediment. High flows have deposited large amounts sediment that have caused the bank erosion rates to increase. In sections, the walking trail that went along the stream has disappeared due to the stream bank erosion. Again from the WIP (p 56), it is estimated that over 800 tons of soil materials have been eroded from the banks of Crouse Run in the segment owned by the Pine Creek Land Conservation Trust (PCLCT). Of additional concern is that a major sewer line is in this area approximately 300 yards from the project site. Despite previous attempts to cover the pipe, the pipeline continues to be exposed due to the bank erosion. A break in the pipe would cause a major leak of sewage downstream into Pine Creek. Restoring the stream channel would help prevent that from taking place.

Project Timeframe - October 23, 2017 through September 30, 2019

Project Goals - The goal of this project is to restore a severely degraded 450 foot section of Crouse Run using natural stream design techniques and methodology. We will utilize cross vane logs, log vane with rock and root wads, moderate bank grading, riparian plantings and vegetative stabilization. After examining several stream restoration projects, we see this to be the least expensive as well as the least invasive way to restore the stream and prevent continued erosion.

Photos



Project Results – Stabilization of 480 ft. of stream and buffer planting of 120 native plants.

Project Costs - \$85,600 EPA Section 319(h).

Partners – Chatham University, Gateway Engineering, Pine Creek Land Conservation Trust, Scouts, Tree Pittsburgh, University of Pittsburgh Students

DEP SECTION 319(H)

Crouse Run Stream
Restoration

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