



Good Spring Creek Stream and Floodplain Restoration

The Schuylkill County Conservation District (SCCD) proposed to restore a reach of Good Spring Creek at Donaldson Culm Bank (DCB), also known as Devil's Hole. Good Spring Creek is an impaired cold water fishery with TMDLs for metals, pH, suspended solids and siltation from abandoned mine drainage. It has served as a mine waste disposal area for the last century. In June 2013, LandStudies, Inc. (LSI) completed a watershed assessment of Good Spring Creek and Middle Creek, and found that the existing stream was actively eroding the base of the DCB, sending a tremendous amount of culm material into the downstream watershed where excessive sedimentation is an on-going problem. As a result, the Devils Hole site was prioritized for restoration.

LSI completed the design for a large-scale floodplain restoration along 4,600 linear feet of Good Spring Creek, focused on reducing sediment and flooding impacts in the downstream towns of Donaldson and Tremont. The design approach involved re-connecting the channel with its natural floodplain to create a lower energy system that would reduce stream bed and bank erosion, increase sediment retention and floodwater storage, and improve water quality and wildlife habitat. The design effort included a detailed geomorphic assessment of the project reach, concept planning, and all associated permitting. LSI is also providing construction oversight services for the project. Construction is underway and expected to be completed in 2023.

Services

Geomorphic Assessment | Design | Master Planning | Floodplain Restoration | Construction Oversight

Client

Schuylkill County Conservation District

Location

Frailey Township, Schuylkill County



Erosion along Donaldson Culm Bank (DCB)



Construction of floodplain restoration underway