

## Latrobe Transfer Station Streambank Remediation Project

**Design Features:** Cut slope to stable grade, armor toe of slope, riparian buffer tree planting, hydro-seeding slope.

**Date of Installation:** Fall 2020

**Location:** Latrobe Transfer Station, 696 Mission Road, Latrobe, PA 15650

**Client:** City of Latrobe

**Cost:** \$57,302.40 of Growing Greener Nonpoint Source Grant funds were used and \$9,119.14 of match contributions were provide for a total project cost of \$66,421.54.

**Project Partners:** Westmoreland Conservation District, City of Latrobe, and Loyalhanna Watershed Association

**Project Contact:** Chelsea Walker, [Chelsea@wcdpa.com](mailto:Chelsea@wcdpa.com)

### Project Specifications

The Westmoreland Conservation District partnered with the City of Latrobe to prevent historic unconsolidated fill (aka garbage) from the Latrobe Transfer Station from entering the Loyalhanna Creek after every major rain event. This fill was a result of past land use practices that were not in place with the current owner/operator. The Loyalhanna Transfer Station Streambank Remediation project removed the unconsolidated fill material and used proven bank stabilization techniques to ensure the erosive action of Loyalhanna Creek does not continue to erode the bank, causing sediment pollution and litter from entering the stream. Native tree seedlings were planted to establish a riparian buffer to assist with streambank stabilization.

### Benefits

The purpose of this project is to reduce accelerated erosion along the banks of Loyalhanna Creek. The goal of this project was to stabilize actively eroding section of the stream bank adjacent to the Latrobe Transfer Station and restore a native riparian buffer. Approximately 250 feet of streambank was stabilized. This location along the Loyalhanna prior to stabilization contributed a minimum of 100 tons of sediment annually.



*BEFORE CONSTRUCTION: Top of streambank. Note the loss of sediment and unconsolidated fill that has eroded into Loyalhanna Creek.*



*BEFORE CONSTRUCTION: Note old glass bottles sticking out of the stream banks.*



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*DURING CONSTRUCTION: Streambank terraced to allow for equipment to reach and place rip rap to armor toe of the slope.*



*DURING CONSTRUCTION: Toe of slope armored with rip-rap.*



*DURING CONSTRUCTION: Hydro-seeding the slope.*



*AFTER CONSTRUCTION: Stable slope.*