

Killinger Creek Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	UPS of Rte 322 and Rte 117	700	Livestock grazing impacts; lack of buffer; unstable E4 channel with low eroding banks	Install fencing a minimum of 15 feet to either side of stream and install livestock crossing.
2	UPS of Rte 322 and DS of Rte 117	620	Livestock grazing impacts; lack of buffer; unstable C4 channel with high eroding banks	Grade and stabilize banks; Install fencing a minimum of 15 feet either side of stream and install livestock crossing
W-1	UPS of Brandt Road	1200	Agricultural Runoff, wastewater discharge, low baseflow	Acquire property and create wetlands system to treat agricultural runoff and wastewater discharges from S. Londonderry WWTP and augment baseflow
3	MacDonald Farm	2640	Livestock grazing impacts; lack of buffer; unstable C4 channel with moderately high eroding banks	Grade and stabilize banks; Install fencing a minimum of 15 feet and install two (2) livestock crossings. Create wetlands to treat agricultural runoff and wastewater discharges from Palm City WWTP
4	Buck Farm	2310	Livestock grazing impacts; lack of buffer; unstable C4 channel with moderately high eroding banks	Grade and stabilize banks; Install fencing a minimum of 15 feet either side of stream and install two (2) livestock crossings
5	Musser Farm	990	Livestock grazing impacts; lack of buffer; unstable C4 channel with moderately high eroding banks	Grade and stabilize banks; Install fencing a minimum of 15 feet either side of stream and install livestock crossing
6	Kreider Farm UPS of Killinger Rd.	1650	Livestock grazing impacts; lack of buffer; unstable C4 channel with moderately high eroding banks	Grade and stabilize banks; Install fencing a minimum of 15 feet either side of stream and install two (2) livestock crossings

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7	Kreider Farm DS of Killinger Rd.	330	Livestock grazing impacts; lack of buffer; unstable E4 channel with low eroding banks	Install fencing a minimum of 15 feet to either side of stream and install livestock crossing.
8	UPS of Rte 422	2970	Stream channel is concrete flume	Remove concrete flume; restore channel as stable E4 stream; plant riparian buffer
9	DS of Rte 422	2310	Stream channel is concrete flume	Remove concrete flume; restore channel as stable E4 stream and create wetland system in adjacent floodplain to provide water quality and habitat.
10	Quarry	990	Bank erosion and sedimentation along sections of tributary; unmanaged runoff from facility contributing to turbidity and sedimentation problems along main stem Quittapahilla Creek	Stabilize eroding banks on quarry property; work with Quarry Mgmt and PADEP to develop and implement water quality management plans for controlling runoff from facility
	Total Length	16,710		