

Beck Creek Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	UPS of Mine Rd	330	Incised G4 channel with high eroding banks migrating upstream through old breached dam	Remove dam and restore G4 reach as stable B2 stream.
2	Gretna Glen Camp UPS of lake	5000	Unstable B4, C4, F4, G4, F4 and C4 channel sections with high eroding banks along upper and middle sections, aggradation and bank erosion along lower section	Restore as stable B4 and C4 streams.
3	Gretna Glen Camp DS of lake	1980	Unstable G1 and C4 channel sections with very high eroding banks along upper section, aggradation, avulsions, and cut-off channels along middle and lower sections	Restore as stable B1/B2 and C4 streams.
4	Henry Farm DS of Camp	850	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 a livestock crossing.
5	Weaver Farm DS of Starner Rd and Ups of Rte 322	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 to either side of stream and install two (2) livestock crossings.
6	Weaver Farm DS of Rte 322	1320	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 two (2) livestock crossings.
7	Property West of Spangler Rd UPS of Flutterby Farm	990	Rip-rapped C4 channel with high W/D ration and sedimentation	Remove rip-rap and restore as stable C4 stream.
8	Flutterby Farm And Radio Station Property	1860	Unstable C4 channel sections with moderately high eroding banks, lacking buffer in lawn area.	Restore as stable C4 stream. Plant a minimum 35 foot riparian buffer along upper section. Create large wetland system along E channel in old field area.

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9	Boyd Property UPS of Colebrook Rd	1300	Unstable E4 channel with moderate to moderately high eroding banks, lacking a buffer.	Restore as stable E4 stream. Plant a minimum 35 foot riparian buffer.
10	Eckenrode Property UPS of Colebrook Rd	700	Channelized, unstable C4 channel with moderate eroding banks, lacking a buffer, poorly constructed pond diversion.	Restore as stable C4 stream; plant a minimum 35 foot riparian buffer; modify pond diversion.
11	Bomberger Property Meadow Wood Farms DS of Colebrook Rd	1980	Livestock grazing impacts; unstable C4 channel with moderately high eroding banks; heavy sedimentation and aggradation; poorly constructed pond diversion	Restore as stable C4 stream; Install fencing a minimum of 15 feet to either side of stream; install a livestock crossing; modify pond diversion.
12	Property on Private Drive east of Forney Rd	500	Stream fenced but livestock watering access and crossing causing erosion and sedimentation problems.	Modify fencing configuration to reduce impacts.
13	Nolt Farm UPS of Royal Rd	600	Row crops planted to stream edge, no buffer.	Plant a minimum 35 foot riparian buffer
14	Nolt Farm UPS of Royal Rd	1650	Livestock grazing impacts; unstable C4 channel with moderate eroding banks and heavy sedimentation; bank revetment composed of concrete, cinder blocks and asphalt.	Remove concrete, cinder blocks and asphalt revetment; restore as stable C4 stream; install fencing a minimum of 15 feet to either side of stream; install a livestock crossing;
15	Royal Oaks Golf Course	3630	No buffers; tees and greens with retaining walls immediately adjacent to stream; heavy accumulations of grass clippings in channel; poorly constructed pond diversion.	Relocate channel sections away from existing tees and greens; plant a minimum 35 foot riparian buffer of grasses and low growing shrubs; modify maintenance practices to minimize impacts to water quality; modify pond diversion.
16	Lebanon Country Club	1650	No buffers; tees and greens immediately adjacent to stream; poorly constructed pond diversion.	Relocate channel sections away from existing tees and greens; plant a minimum 35 foot riparian buffer of grasses and low growing shrubs; modify pond diversion.

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17	Robert Copenhaver Farm DS of Reist Rd	1320	Stream fenced but crossing constructed with poor configuration such that fencing is ineffective; livestock grazing impacts; unstable C4 channel – banks completely trampled; heavy sedimentation and aggradation.	Install two (2) new crossings with modified configuration to eliminate impacts.
18	Ed Copenhaver Farm UPS of Bricker Rd	990	Stream fenced but livestock watering access and crossing causing erosion and sedimentation problems.	Install two (2) new crossings with modified configuration and materials to eliminate impacts.
19	Ron Copenhaver Farm DS of Bricker Rd	1590	Unstable C4 channels in upper and lower sections, low to moderate eroding banks, heavy sedimentation and aggradation; poorly designed and constructed fish habitat structures causing instability in middle E4 section	Remove fish habitat structures and restore as stable E4 throughout. Create large floodplain wetland system to treat agricultural and golf course runoff.
	Total Length	30,550		