

### Bachman Run Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	East Fork Farm adjacent to Philhaven Hospital DS of Butler Rd	1320	Livestock grazing impacts; lack of buffer; unstable E4 channel with low eroding banks	Relocate existing fence a minimum of 15 feet to either side of stream and install two (2) livestock crossings.
2	East Fork Quarry	1980	Channelized, unstable C4 channel with high eroding banks	Restore as stable C4 stream with constructed wetlands to treat agricultural runoff and augment baseflow.
3	Middle Fork Along East side of Rte 241	2640	Channel ditched and lacking buffer	Plant a minimum 35 foot riparian buffer.
4	West Fork UPS of Rte 241 and McCurdy Rd	500	Incised G4 channel with high eroding banks	Restore G4 reach as stable B4 stream.
5	West Fork UPS of Rte 241 and DS of McCurdy Rd	1810	Unstable B4 and C4 channels with high to moderately high eroding banks, aggraded sections with chute cutoff channels	Restore as stable B4 and C4 streams.
6	West Fork DS of Rte 241	700	Channel ditched and lacking buffer	Plant minimum 35 foot riparian buffer.
7	West Fork DS of Graystone Stables	1650	Unstable B4 and C4 channels with high to moderately high eroding banks, aggraded sections	Restore as stable B4 and C4 streams. Construct a wetland along this reach to treat agricultural runoff.
8	Main Stem Risser Farm	1320	Unstable B4/G4 channels with high to moderately high eroding banks, lacking buffer	Restore G4 reach as stable B4 stream. Plant a minimum 35 riparian buffer.
9	Main Stem Inman Property UPS of Rte 322	1650	Concrete walls and dam; unstable F4/C4 channels with high to mod-high eroding banks, aggraded, lateral and mid-channel bars in lower section.	Remove dam and walls; restore as a stable B4c stream.

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10	Main Stem Bachman Property DS of Rte 322	660	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 a livestock crossing.
11	Main Stem Horning Farm UPS of Fontana Rd	1320	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 a livestock crossing.
12	Main Stem Gary Horst Farm DS of Fontana Rd	1320	Livestock grazing impacts; concrete walls along one section; unstable C4 channel with moderately high eroding banks.	Restore as stable C4 stream; Install fencing a minimum of 15 feet to either side of stream and install a livestock crossing.
13	Main Stem Dr. Denalis Property DS of Private Drive	660	Unstable C4 channel with low to moderate eroding banks, lateral and mid-channel bars.	Restore as stable C4 stream and construct wetland in adjacent floodplain.
14	Main Stem Copenhaver Farm and Resnick Property UPS of Louser Rd	2376	Channelized C4 with stone walls along both banks.	Remove walls and restore as stable C4 stream and construct wetland in adjacent floodplain.
15	Main Stem Property DS of Louser Rd	1980	Unstable C4 channel with low to moderate eroding banks, lateral and mid-channel bars.	Restore as stable C4 stream and construct wetland in adjacent floodplain
16	Main Stem Wind Over Grove DS of Quittie Park Road	1320	Channelized and rip-rapped G4 in upper section; Channel split below ponds; unstable F4 and G4 along lower sections	Remove rip-rap from upper section; restore upper and lower sections as stable B4/B4c streams and construct wetland in adjacent floodplain.
	Total Length	23,206		