

Snitz Creek Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	East Fork Anthracite Rd to Rte 419	100	Short G4 section migrating upstream through stable B4. Reaches UPS and DS stable.	Restore G4 section as stable B4 stream; Excavate adjacent floodplain along Willow Rd to create intermittently flooded wetland system.
2	East Fork Rte 419 to Culvert St.	2310	Unstable B4, F4, C4, D4, F4, and B4 channels with high eroding banks along upper section, aggradation and bank erosion along middle and lower sections.	Restore as stable B4 and C4 streams. Modify opening at old roadbed in middle of project area to detain storm flows in floodplain UPS; excavate adjacent floodplain upstream of old roadbed to create intermittently flooded wetland system.
3	East Fork Culvert St to Cornwall Rd	1290	Unstable C4 and F4 channel sections with active headcuts and high eroding banks throughout and aggradation along lower section	Restore as stable C4 and B4c streams. Create wetlands in adjacent floodplain.
4	East Fork Cornwall Rd to confluence with main stem Snitz	1980	Stone walls along both banks upper section; unstable F4 channel in upper and middle sections with high eroding banks throughout; channelized B4/G4 in lower section	Remove stone walls and restore as stable B4c stream throughout.
5	Middle Fork Burd Coleman Village	300	Gullies eroding in headwaters along railroad	Repair gullies.
6	Middle Fork Alden St to Rte 419	400	Unstable C4 channel sections with low to moderately high eroding banks, lacking buffer in park area.	Restore as stable C4 stream. Plant a minimum 35 foot riparian buffer.
7	Middle Fork Cornwall Center adjacent to Old School and athletic fields	1650	Unstable C4 channel with debris jams, aggradation, and high eroding banks throughout.	Restore as stable C4 stream.

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
8	Middle Fork Farm adjacent to North Cornwall Rd	2310	Livestock grazing impacts; unstable C4/F4 channel with moderately high to high eroding banks; heavy sedimentation and aggradation; dam in lower section	Remove dam; restore as stable C4 and B2 streams; install fencing a minimum of 15 feet to either side of stream; install two (2) livestock crossings
9	Middle Fork DS of North Cornwall Rd	1650	Unstable G4 channel with moderately high to high eroding banks, bank revetment composed of cinder blocks and rip-rap; lacking a buffer in lawn areas.	Remove cinder blocks and rip-rap revetment; restore as stable B4 stream. Plant a minimum 15 foot riparian buffer along yards.
10	Middle Fork and main stem Snitz confluence UPS of Rte 72	700	Unstable G4 channel with moderately high eroding banks, bank revetment composed of rip-rap; lacking a buffer in lawn area.	Remove rip-rap revetment; restore as stable B4 stream. Plant a minimum 15 foot riparian buffer along yard.
11	West Fork Burd Coleman Village	3960	Unstable B4, C4, and G4 channels with active headcuts, high eroding banks, heavy sedimentation and aggradation throughout; breached dam in upper section	Remove breached dam; restore as stable B4 and C4 streams.
12	West Fork UPS of Alden Lane	1980	Unstable C4 channel with moderate to moderately high eroding banks and heavy sedimentation throughout; gully erosion in adjacent fields; pond diversion.	Restore as stable C4 stream; repair gullies; evaluate impact of pond diversion. Evaluate potential for creating wetland system UPS of Alden Lane.
13	West Fork Quentin Riding Club DS of Rte 419	1320	Altered C4/B4c channel with no buffer	Restore as stable B4c; plant a minimum 15 foot riparian buffer.
14	West Fork Adjacent to Fairview Estates	850	Unstable F4 and B4 channels in lower section with high eroding banks and heavy sedimentation.	Restore as stable B4c and B4 stream.
15	West Fork Farm along Rte 72	1980	Stream ditched and lacking a buffer	Plant a minimum 35 foot riparian buffer along fields.

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
16	Main Stem Snitz DS of Rte 72	1320	Unstable F4 channel with high to very high eroding banks and heavy sedimentation.	Restore as stable B4c stream.
17	Main Stem Snitz Royer Farm DS of Rocherty Rd	2310	Stream fenced and recovering from livestock impacts; heavy sedimentation observed.	Reevaluate recovery process to determine if intervention necessary.
18	Main Stem Snitz Property at rear of Quentin Cicle Shopping Center	1320	Unstable C4 channel with debris jams, moderate eroding banks, and heavy sedimentation; small dam on stream for diversion to off-line ponds.	Remove dam; restore as stable B2 stream with modified diversion to supply ponds.
19	Main Stem Snitz Spitler Farm UPS of Colebrook Rd	660	Unstable C4 channel with debris jams, moderate eroding banks, and heavy sedimentation;	Restore as stable C4 stream
20	Main Stem Snitz Zimmerman Property DS of Colebrook Rd	1500	Unstable E4 and C4 channels with debris jams, moderate to moderately high eroding banks, and heavy sedimentation	Restore as stable E4 and C4 streams.
21	Main Stem Snitz Creekside Subdivision UPS and DS of Creekside Drive	3000	Unstable C4 channels with high W/D ratio, moderate to moderately high eroding banks, heavy sedimentation, and aggradation throughout; no buffers.	Restore as stable C4 stream; plant a minimum 35 foot riparian buffer along both sides of stream through subdivision. Create wetlands in adjacent floodplain.
22	Main Stem Snitz Mill Farm DS of Creekside	600	Stream is fenced but ineffective; livestock grazing impacts; unstable C4 channels with high W/D ratio, moderate to moderately high eroding banks, and heavy sedimentation	Restore as stable C4 stream; install fencing with a modified configuration to limit access to stream. Create wetlands in adjacent floodplain.
23	Main Stem Snitz Property DS of Oak St	1980	Unstable C4 channels with moderate to moderately high eroding banks, and heavy sedimentation; poorly constructed pond diversions.	Restore as stable C4 stream; modify pond diversions.

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
24	Main Stem Snitz Horse Farm UPS of Dairy Rd	1300	Livestock grazing impacts; unstable C4 channels with high W/D ratio, moderate to moderately high eroding banks, and heavy sedimentation	Restore as stable C4 stream; install fencing a minimum of 15 feet to either side of stream and install a livestock crossing.
	Total Length	36,770		