### Snitz Creek Stream Restoration Projects

<table>
<thead>
<tr>
<th>Project ID</th>
<th>Location</th>
<th>Length (feet)</th>
<th>Existing Problems</th>
<th>Proposed Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>East Fork Anthracite Rd to Rte 419</td>
<td>100</td>
<td>Short G4 section migrating upstream through stable B4. Reaches UPS and DS stable.</td>
<td>Restore G4 section as stable B4 stream; Excavate adjacent floodplain along Willow Rd to create intermittently flooded wetland system.</td>
</tr>
<tr>
<td>2</td>
<td>East Fork Rte 419 to Culvert St.</td>
<td>2310</td>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td>3</td>
<td>East Fork Culvert St to Cornwall Rd</td>
<td>1290</td>
<td>Unstable C4 and F4 channel sections with active headcuts and high eroding banks throughout and aggradation along lower section</td>
<td>Restore as stable C4 and B4c streams. Create wetlands in adjacent floodplain.</td>
</tr>
<tr>
<td>4</td>
<td>East Fork Cornwall Rd to confluence with main stem Snitz</td>
<td>1980</td>
<td>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</td>
<td>Remove stone walls and restore as stable B4c stream throughout.</td>
</tr>
<tr>
<td>5</td>
<td>Middle Fork Burd Coleman Village</td>
<td>300</td>
<td>Gullies eroding in headwaters along railroad</td>
<td>Repair gullies.</td>
</tr>
<tr>
<td>6</td>
<td>Middle Fork Alden St to Rte 419</td>
<td>400</td>
<td>Unstable C4 channel sections with low to moderately high eroding banks, lacking buffer in park area.</td>
<td>Restore as stable C4 stream. Plant a minimum 35 foot riparian buffer.</td>
</tr>
<tr>
<td>7</td>
<td>Middle Fork Cornwall Center adjacent to Old School and athletic fields</td>
<td>1650</td>
<td>Unstable C4 channel with debris jams, aggradation, and high eroding banks throughout.</td>
<td>Restore as stable C4 stream.</td>
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<tr>
<td>8</td>
<td>Middle Fork Farm adjacent to North Cornwall Rd</td>
<td>2310</td>
<td>Livestock grazing impacts; unstable C4/F4 channel with moderately high to high eroding banks; heavy sedimentation and aggradation; dam in lower section</td>
<td>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</td>
</tr>
<tr>
<td>9</td>
<td>Middle Fork DS of North Cornwall Rd</td>
<td>1650</td>
<td>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.</td>
<td>Remove cinder blocks and rip-rap revetment; restore as stable B4 stream. Plant a minimum 15 foot riparian buffer along yards.</td>
</tr>
<tr>
<td>10</td>
<td>Middle Fork and main stem Snitz confluence UPS of Rte 72</td>
<td>700</td>
<td>Unstable G4 channel with moderately high eroding banks, bank revetment composed of rip-rap; lacking a buffer in lawn area.</td>
<td>Remove rip-rap revetment; restore as stable B4 stream. Plant a minimum 15 foot riparian buffer along yard.</td>
</tr>
<tr>
<td>11</td>
<td>West Fork Burd Coleman Village</td>
<td>3960</td>
<td>Unstable B4, C4, and G4 channels with active headcuts, high eroding banks, heavy sedimentation and aggradation throughout; breached dam in upper section</td>
<td>Remove breached dam; restore as stable B4 and C4 streams.</td>
</tr>
<tr>
<td>12</td>
<td>West Fork UPS of Alden Lane</td>
<td>1980</td>
<td>Unstable C4 channel with moderate to moderately high eroding banks and heavy sedimentation throughout; gully erosion in adjacent fields; pond diversion.</td>
<td>Restore as stable C4 stream; repair gullies; evaluate impact of pond diversion. Evaluate potential for creating wetland system UPS of Alden Lane.</td>
</tr>
<tr>
<td>13</td>
<td>West Fork Quentin Riding Club DS of Rte 419</td>
<td>1320</td>
<td>Altered C4/B4c channel with no buffer</td>
<td>Restore as stable B4c; plant a minimum 15 foot riparian buffer.</td>
</tr>
<tr>
<td>14</td>
<td>West Fork Adjacent to Fairview Estates</td>
<td>850</td>
<td>Unstable F4 and B4 channels in lower section with high eroding banks and heavy sedimentation.</td>
<td>Restore as stable B4c and B4 stream.</td>
</tr>
<tr>
<td>15</td>
<td>West Fork Farm along Rte 72</td>
<td>1980</td>
<td>Stream ditched and lacking a buffer</td>
<td>Plant a minimum 35 foot riparian buffer along fields.</td>
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<td>16</td>
<td>Main Stem Snitz DS of Rte 72</td>
<td>1320</td>
<td>Unstable F4 channel with high to very high eroding banks and heavy sedimentation.</td>
<td>Restore as stable B4c stream.</td>
</tr>
<tr>
<td>17</td>
<td>Main Stem Snitz Royer Farm DS of Rocherty Rd</td>
<td>2310</td>
<td>Stream fenced and recovering from livestock impacts; heavy sedimentation observed.</td>
<td>Reevaluate recovery process to determine if intervention necessary.</td>
</tr>
<tr>
<td>18</td>
<td>Main Stem Snitz Property at rear of Quentin Cicle Shopping Center</td>
<td>1320</td>
<td>Unstable C4 channel with debris jams, moderate eroding banks, and heavy sedimentation; small dam on stream for diversion to off-line ponds.</td>
<td>Remove dam; restore as stable B2 stream with modified diversion to supply ponds.</td>
</tr>
<tr>
<td>19</td>
<td>Main Stem Snitz Spitler Farm UPS of Colebrook Rd</td>
<td>660</td>
<td>Unstable C4 channel with debris jams, moderate eroding banks, and heavy sedimentation;</td>
<td>Restore as stable C4 stream</td>
</tr>
<tr>
<td>20</td>
<td>Main Stem Snitz Zimmerman Property DS of Colebrook Rd</td>
<td>1500</td>
<td>Unstable E4 and C4 channels with debris jams, moderate to moderately high eroding banks, and heavy sedimentation</td>
<td>Restore as stable E4 and C4 streams.</td>
</tr>
<tr>
<td>21</td>
<td>Main Stem Snitz Creekside Subdivision UPS and DS of Creekside Drive</td>
<td>3000</td>
<td>Unstable C4 channels with high W/D ratio, moderate to moderately high eroding banks, heavy sedimentation, and aggradation throughout; no buffers.</td>
<td>Restore as stable C4 stream; plant a minimum 35 foot riparian buffer along both sides of stream through subdivision. Create wetlands in adjacent floodplain.</td>
</tr>
<tr>
<td>22</td>
<td>Main Stem Snitz Mill Farm DS of Creekside</td>
<td>600</td>
<td>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</td>
<td>Restore as stable C4 stream; install fencing with a modified configuration to limit access to stream. Create wetlands in adjacent floodplain.</td>
</tr>
<tr>
<td>23</td>
<td>Main Stem Snitz Property DS of Oak St</td>
<td>1980</td>
<td>Unstable C4 channels with moderate to moderately high eroding banks, and heavy sedimentation; poorly constructed pond diversions.</td>
<td>Restore as stable C4 stream; modify pond diversions.</td>
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<tr>
<td>24</td>
<td>Main Stem Snitz Horse Farm UPS of Dairy Rd</td>
<td>1300</td>
<td>Livestock grazing impacts; unstable C4 channels with high W/D ratio, moderate to moderately high eroding banks, and heavy sedimentation</td>
<td>Restore as stable C4 stream; install fencing a minimum of 15 feet to either side of stream and install a livestock crossing.</td>
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<tr>
<td></td>
<td>Total Length</td>
<td>36,770</td>
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