

### Unnamed Tributary Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	Struphar Farm DS of Rte 934	600	Livestock grazing impacts; lack of buffer; unstable F4 channel with moderately high to high eroding banks	Restore as stable B4c stream; install fencing a minimum of 15 feet to either side of stream and install a livestock crossing.
2	Bomgardner Farm DS of Rte 934	2970	Unstable C4 channel with debris jams, high eroding banks, aggradation and gully erosion in headwaters.	Restore as stable C4 stream; repair headwater gullies.
3	Wagner Property UPS of Palmyra Bellegrove Rd	300	Unstable F4/B4 with moderately eroding banks throughout; no buffer	Restore as stable B4c streams; plant a minimum 15 foot riparian buffer along both sides of stream across yard.
4	Gingrich Orchard UPS of Palmyra Bellegrove Rd	1155	Unstable F4, G4 and B4 channel sections with high eroding banks throughout and aggradation in lower section; junk scattered along upper section below pond; no buffer in upper section	Remove junk from upper section; restore as stable B4c and B4 streams; plant a minimum 15 foot riparian buffer along both sides of stream across yard below pond.
5	Meyer Farm DS of Palmyra Bellegrove Rd	4290	Stream fenced but livestock still grazing riparian area; livestock grazing impacts; unstable C4 and E4 channels with debris jams, low to moderately high eroding banks throughout, aggradation and bank erosion along middle and lower sections.	Restore as stable E4 and C4 streams. Reconfigure fencing and crossings to limit livestock access to stream and riparian area.
	Total Length	9,315		