Lt. Lehigh Creek - Case Study

- Heavily pastured stream
- Stream bank erosion
- Limited fish cover
- Poor riparian buffer
- Wild brown trout population nearby

Work included fish habitat/stabilization structures........

........livestock fencing & stable crossings..........and buffer plantings.
A pre-project fish survey and physical habitat assessment was completed, with post-project monitoring done in 2005, 2007 and 2009.
Results:

- Wild brown trout numbers showed a steady increase until leveling out after 7 years.

- Physical habitat scores significantly increased after project completion.
Pre-project trout sizes ranged between 5 and 9 inches.
Post-project trout sizes ranged from young-of-the-year to 14 inches.
Site 1

2000 (Pre-project)

2005

2007

2009
Eroded outside bend fixed with rootwad structures over nine years.
Stacked deflector structure over nine years.