Cave Banks

- 400 ft X 70 ft
- Irene - 2,500 yd$^3$
- Erosion – property, habitat
- River undercut toe
- Erosion from top down
Cave Banks

- Partnership
  - Landowners
  - Town of Wells
  - USFWS
  - HCSWCD

- Stabilize stream bank
Cave Banks

• Build bench
  – Protect toe
  – Tree root balls
  – Rubble
• Regrade bank
• Hydroseeding
Cave Banks
Griffin Road

• 300 ft of 30 ft riverbank
• ↓ 700 ft in 8 mi
• Erosion – infrastructure, utilities, property
Griffin Road

- Partnership
  - USFWS
  - Hamilton County Highway Dept.
  - Town of Wells Highway Dept.
  - HCSWCD

- Restore habitat
- Reduce erosion
- Produce cooler, deeper channel
- Establish riparian vegetation
Griffin Road

- 3 J-hooks
- Bank full bench
Griffin Road
Browns Brook Bridge
Browns Brook Bridge

- Tropical Storm Lee & Hurricane Irene
- Weakened bridge abutment
- Partnership
  - USFWS
  - Hamilton County Highway Dept.
  - HCSWCD
Browns Brook Bridge

- ↓ scouring of bridge abutment
- 4 rock cross veins
- 1\textsuperscript{st} vein = sets grade, creates pool, protects abutments
- Remaining veins = return flow to natural stream grade