

Stream Improvement Toolbox

Bank Grading and Riparian Shelf

- Reduces erosion
- Narrows the channel
- Replaces steep banks with a gradual slope or shelf
- Restores native vegetation

Multi-log Deflectors

- Installed on outside bend of streams
- Built with rocks and logs, triangle-shaped structure
- Installed in an alternating pattern on straight channels
- Used to direct flow away from the bank
- Spaced 30 feet apart

Cross Vanes

- Deflects current from the bank towards the middle of the channel
- Creates plunge pools
- Constructed as single or double vanes
- Made with logs or stones
- Resembles a "V" pointing upstream
- Spaced 50 feet apart
- Protects eroded banks
- Narrows stream channel

Building up a riparian shelf



Multi-log deflectors direct stream flow away from the bank.



Log cross vane



Partners

Trout Unlimited, local conservation districts, watershed groups and other similar organizations are important partners in habitat improvement.

