



Wyoming County Fairgrounds Streambank Restoration Project

April 7, 2005 - August 9, 2006

Wyoming County Soil & Water Conservation District

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Looking downstream, you can see that the right bank is nearly vertical as a result of severe erosion.

Trunks from nearby trees were cut to serve as new revetments.



Smaller branches were cut and soaked to promote root growth and sustain viability until planted.

Volunteers from the DEC and Trout Unlimited shock the stream to safely remove the trout before construction begins.



Concrete barriers are placed in the channel to divert the flow into the preexisting overflow channel during construction.

A tree trunk is placed back in the bank to serve as a tieback key. Live stakes are planted as well.





The excavator lowers the large tree trunks, which are then secured with cable to another log buried in the streambank.

Looking downstream, the new revetments are visible, as are the live stakes. The floodplain is now gently sloped, rather than vertical.



Using large rocks, a grade control structure is created, to prevent stream down cutting.

The newly constructed flood-plain is hydroseeded.



The hydroseeding is covered with a straw mulch.

Fencing is put up to limit access to the streambank.





The January flood damage.

Revetments under high water
during January.



Before repairs are made to
the revetments.

Starting repairs from winter
flooding.



Placing rock behind
revetments.

Repair rock in place.





Revetments steel cabled together, but pushed on bank.

High water rolls revetments onto bank.



Last revetments held under the high water.

Temporary repairs with local
land owner.



Cabling revetments
back together.

Fastening cables to revetments.





Driving duckbill anchors
into streambed.

Setting duckbill anchors in
stream bottom.



Anchoring revetments with
duckbill anchors.

Reinstalling dead-man after
storm damage.



Dead-man installation with
Willow cuttings.

Repairs complete and ready
to lay stone.





Installing stone behind
revetments.

Hand placing stone by
Willow plantings.



Stone placement complete to
protect revetments.

Tree planting to protect
flood plain.



Completed streambank with
planted trees.

New sign recognizing all part-
ners involved in the project.

