

Stream Stabilization



This northeast Kansas creek has migrated through the edge of its riparian forest. The landowner recognized that without the protection of tree roots, bank erosion was about to become a problem. He ensured short-term bank stability by anchoring large dead trees and live willow cuttings at the toe of the bank. Long-term bank stability will be maintained here by the several rows of hardwood trees he planted along the edge of the field.



United States Department of Agriculture

Natural Resources Conservation Service



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Kansas State University, Kansas Forest Service and the USDA Natural Resources Conservation Service are equal opportunity providers and employers. Financial assistance for managing Kansas streams and streamside forests

Trees for Clean Water



Addressing water quality issues in Kansas through the Regional Conservation Partnership Program (RCPP) and the Environmental Quality Incentives Program (EQIP)

> Kansas Forest Service 785–532-3340

About the Program

Trees for Clean Water provides funding through the Regional Conservation Partnership Program (RCPP) and the **Environmental Quality Incentives Program** (EQIP) to reduce farmland lost to streambank erosion and improve the health and productivity of woodlands in priority watersheds. The program seeks to improve water quality and reduce the sedimentation of federal reservoirs through stream stabilization, tree planting, and forest stand improvement. Forestland, cropland, and grassland all have the potential to gualify for the program if a "resource concern" is identified. Primary resource concerns for the program are water quality degradation from soil erosion and the health and condition of trees in woodlands and forests. Specific examples of resource concerns may include:

- Streams in need of management, where direct field runoff, bank erosion, or a lack of forest cover could be corrected through stabilization and reforestation projects.
- Forests in need of management, where overcrowding, understocking, or invasive species proliferation could be corrected through tree removal and/or planting projects.



Eligibility and Requirements

- The program is available in targeted watersheds shown as cross-hatched areas on the enclosed state map. If you are unsure if your land is in a targeted watershed call 785-532-3340 or e-mail tindle@ksu.edu.
- Applicants must be engaged in agricultural production, forest management or have interest in the agricultural or forestry operation associated with the land offered for enrollment in RCPP/EQIP.
- Tenants may apply with written support from landowners.
- Land must have a "resource concern" as determined by Kansas Forest Service district foresters and/or NRCS district conservationists.

How to Apply.....

Applications are accepted <u>continuously</u> at county NRCS offices located in USDA Service Centers. Locations and contact information are available on the Web at **www.ks.nrcs.usda.gov** by clicking on "Find a Service Center" under "Kansas Links". Additional program information is also located at http://www.kansasforests.org/rural_forestry/ financialincentiveprograms.html

NRCS will refer applicants to a Kansas Forest Service district forester who will visit the property and develop a management plan to guide the project. NRCS will then rank and prioritize the application based on criteria developed for the Regional Conservation Partnership Program (RCPP)/Environmental Quality Incentives Program (EQIP)'s Water Quality Improvement through the Implementation of Forestry Practices grant.

Additional information about the Environmental Quality Incentives Program (EQIP) that RCPP is delivered through may be found on the Web at: http://www.nrcs.usda.gov/wps/portal/nrcs/main /ks/programs/financial/eqip/

Eligible Practices and Rates*

A **<u>partial listing</u>** of practices and payment rates are listed below. These are the actual rates qualifying applicants receive.

Streambank Stabilization (bioengineered)	\$19.34/LnFt
Streambank Stabilization (structural toewood, with bench)	\$87.50/LnFt
Channel Bed Stabilization (log and boulder check dam)	\$734.54/EA
Tree/Shrub Site Prep (mechanical)	\$56.74/AC
Tree/Shrub Site Prep (chemical)	\$154.47/AC
Riparian Forest Buffer (machine planted bareroot trees)	\$1,022.97/AC
Riparian Forest Buffer (machine planted container trees)	\$1,397.21/AC
Riparian Forest Buffer (direct seeding of trees)	\$719.16/AC
Tree Planting (hand planted with tubes)	\$4.22/EA
Tree Planting (machine planted with tubes)	\$7.30/EA
Herbaceous Weed Control (herbicide within tree plantings)	\$40.91/AC
Herbaceous Weed Control (tillage within tree plantings)	\$154.52/AC
Forest Stand Improvement (single stem treatment)	\$269.86/AC

LnFt- linear feet; AC - acre ; EA - each

*Payment rates are the actual figures landowners receive based upon regional average costs. They are subject to change on a yearly basis.

Watershed Restoration and Protection Strategy (WRAPS) groups can offer additional funding for these projects, and may cover up to **90%** of the costs for tree plantings. Visit with your local WRAPS group for more information.