



**CONSERVATION ENHANCEMENT ACTIVITY**

**E580137Z**

**CONSERVATION STEWARDSHIP PROGRAM**

Stream corridor bank vegetation improvement

**Conservation Practice 580: Streambank and shoreline protection**

**APPLICABLE LAND USE: Crop (Annual & Mixed); Crop (Perennial); Pasture, Forest, Associated Ag Land**

**RESOURCE CONCERN ADDRESSED: Fish & Wildlife – Inadequate Habitat**

**PRACTICE LIFE SPAN: 20 years**

**Enhancement Description**

Stream corridor bank vegetation components are established to improve ecosystem functioning and stability.

**Criteria**

- This enhancement can be applied to streambanks and adjacent floodplain/riparian area of natural channels where the channel is susceptible to erosion.
- Stream corridor vegetative components shall be established as necessary for ecosystem functioning and stability. The appropriate composition of vegetative components is a key element in preventing excess long-term channel migration in re-established stream corridors.
- Establishment of vegetation on channel banks and associated areas shall also be in accordance with conservation practice standard Critical Area Planting, Code 342.
- Utilize vegetative species that are native and/or compatible with local ecosystems. Avoid introduced, invasive, noxious or exotic species that could become nuisances.
- Select plant materials that provide habitat requirements for desirable wildlife and pollinators.



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- Treatments shall be designed to achieve habitat and population objectives for fish and wildlife species or communities of concern as determined by a site-specific assessment or management plan. Objectives shall be based on the survival and reproductive needs of populations and communities, which include habitat diversity, habitat linkages, daily and seasonal habitat ranges, limiting factors and native plant communities.
- The type, amount, and distribution of vegetation shall be based on the requirements of the fish and wildlife species or communities of concern to the extent possible.
- Treatments shall be designed to meet aesthetic objectives as determined by a site-specific assessment or management plan. Aesthetic objectives shall be based on human needs, including visual quality, noise control, and microclimate control.
- Construction materials, grading practices, and other site development elements shall be selected and designed to be compatible with adjacent land uses.
- Treatments shall be designed to achieve recreation objectives as determined by a site-specific assessment or management plan. Safety requirements shall be based on type of human use and recreation objectives.
- Livestock exclusion shall be considered during establishment of vegetative treatments and appropriate grazing practices applied after establishment to maintain plant community integrity. Wildlife may also need to be controlled during establishment of vegetative treatments. Temporary and local population control methods should be used with caution and within state and local regulations.
- Design the stream corridor and bank vegetation enhancement for an expected life of at least 20 years.

### **Documentation Requirements**

- Specifications for this practice shall be prepared for each site. Specification shall be recorded using approved specifications sheets, job sheets, narrative statements in the conservation plan, or other acceptable documentation.