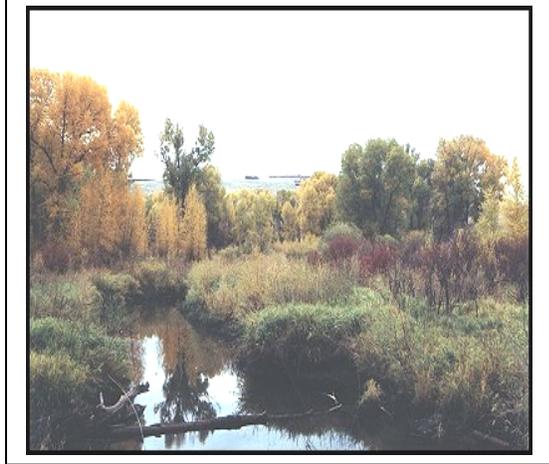


## **Animal Enhancement Activity – ANM13- Non-forested Riparian Zone Enhancement for Fish and Wildlife**



### **Enhancement Description**

Utilizing select conservation measures such as re-locating equipment operations, trails, or livestock; establishing diverse native vegetation and controlling invasive species; fencing; and extending the width of the riparian zone to enhance wildlife habitat adjacent to riparian zones of streams, ponds, lakes, or wetlands.

### **Land Use Applicability**

This enhancement is applicable on cropland, pasture land and rangeland.

### **Benefits**

Intact riparian zones with a natural and diverse mix of herbaceous and /or woody vegetation of different ages are important landscape features for sustaining fish and wildlife populations. Maintaining vigorous native or natural riparian vegetation of diverse age classes and species will benefit riparian and aquatic fauna by providing: (a) thermal, nesting/fawning, and hiding cover in riparian zones, stream banks, and shorelines; (b) diverse food sources; (c) a steady source of leaves, brush, small woody material for aquatic food webs at and downstream of the site; (d) root systems to enhance bank stability, and (e) vegetative filters for surface water run-off.

### **Criteria for Non-forested Riparian Zone Enhancement for Fish and Wildlife**

1. For streams, rivers, or floodplains adjacent to pastures, cropland, hayland, or rangeland, enhance and maintain a well-vegetated riparian zone that is 2.5 times the width of the stream channel or 35 feet, whichever is greater. Improve the diversity of native or natural woody and/or herbaceous plant species suitable for the site and appropriate for the riparian and aquatic species that inhabit the area by planting appropriate species. In addition, implement at least one of the management actions from the list below.
  
2. For ponds, floodplain wetlands, or lakes adjacent to pastures, cropland, hayland or rangeland, enhance and maintain a well-vegetated riparian zone that is 35 feet wide or greater. Improve the diversity of native or natural woody and/or herbaceous plant species suitable for the site and appropriate for the riparian and aquatic species that inhabit the area by planting appropriate species. In addition, implement at least one of the management actions from the list below.

Additional management actions for enhancing non-wooded riparian zones:

1. Control invasive species thru a grazing management plan or suitable pest management techniques.



United States Department of Agriculture  
Natural Resources Conservation Service

2. Limit livestock use of riparian zone thru a prescribed grazing management plan
3. Control access of people, machinery, and livestock to the riparian zone with fencing.
4. Provide off-site watering source(s) for livestock.

### **Documentation Requirements**

- Provide written documentation, including a map, of all riparian zone activities implemented to meet the requirements of this enhancement.
- List of maintenance activities carried out on riparian acres as prescribed under the practice used, and its specific fish and wildlife considerations.

**TENNESSEE SUPPLEMENTAL INFORMATION FOR THIS ENHANCEMENT**  
**ANM13 – *Non-forested Riparian Zone Enhancement for Fish and Wildlife***

APPROVED MIXTURES (per acre)

- |    |  |              |
|----|--|--------------|
| 1. | Little bluestem  | 3 lbs. PLS   |
|    | Sideoats grama   | 2 lbs. PLS   |
|    | Switchgrass *  | 1 lb. PLS    |
|    | Illinois bundleflower  | 1 lb.        |
| 2. | Indiangrass  | 2 lbs. PLS   |
|    | Big bluestem   | 1.8 lbs. PLS |
|    | Little bluestem  | 1.5 lbs. PLS |
|    | Sideoats grama   | 0.5 lbs. PLS |
|    | Switchgrass *  | 0.2 lbs. PLS |
|    | Illinois bundleflower  | 1 lb.        |
| 3. | Switchgrass *  | 8 lbs. PLS   |
|    | Kobe or Korean lespedeza   | 5 lbs.       |
| 4. | Switchgrass *  | 2 lbs. PLS   |
|    | Big bluestem   | 4 lbs. PLS   |
|    | Indiangrass  | 4 lbs. PLS   |
| 5. | Switchgrass *  | 10 lbs. PLS  |
| 6. | Natural regeneration **  |              |
| 7. | Combination of at least 5 trees and/or shrubs from the following list. Trees will be planted on a 12 ft. by 12 ft. spacing (302/acre). Shrubs will be planted on an 8 ft. by 8 ft. spacing (680/acre). |              |

List of approved trees

Ash, green	Ash, white	Blackgum	Cherry, black
Dogwood, flowering	Hickory, shagbark	Hickory, pignut	Oak, black
Oak, cherrybark	Oak, northern red	Oak, nuttall	Oak, pin
Oak, post	Oak, shingle	Oak, shumard	Oak, southern red
Oak, swamp chestnut	Oak, swamp white	Oak, water	Oak, willow
Persimmon	Poplar, yellow	Sycamore, American	Walnut, black

List of approved shrubs

Crabapple, southern	Dogwood, silky	Elderberry	Indigobush
Plum, Chickasaw	Spicebush	Sumac	Viburnum, mapleleaf

\* Wetter tolerant varieties are Kanlow, Alamo, Cave-in-Rock

\*\* Natural regeneration limited to hydric soils prone to flooding after May

