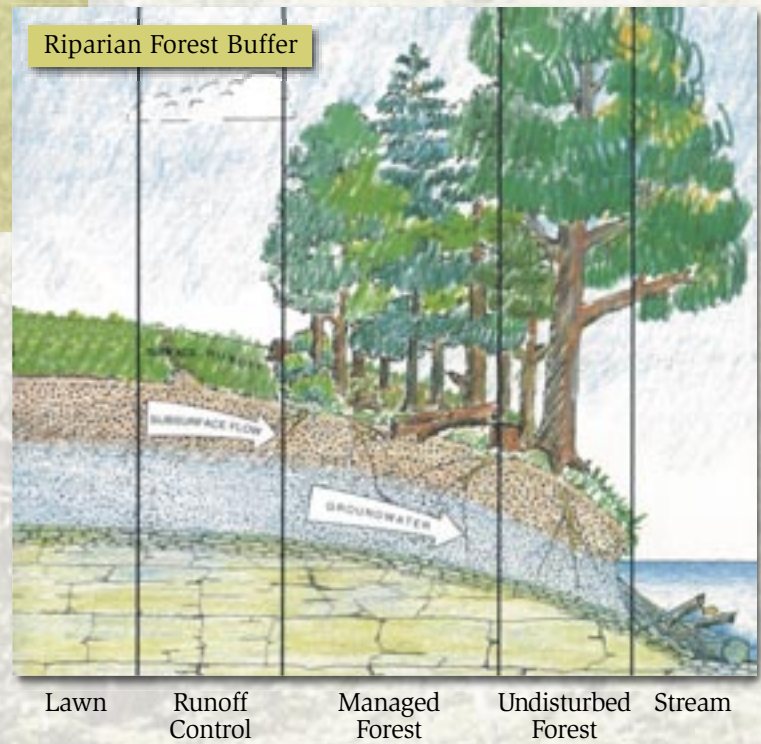




## What does riparian mean?

The riparian area includes the stream channel and the portion of the landscape from the high water mark toward the uplands where vegetation may be influenced by elevated water tables, flooding, or the ability of soils to hold water.



## Functions of Riparian Vegetation

- Strengthens stream bank
- Captures fine sediment
- Filters out pollutants
- Increases infiltration
- Utilizes excess nutrients
- Provides shade for the stream
- Provides food and shelter for fish and wildlife
- Slows runoff and reduces flood damage

Recommended		Not Recommended
Native Grasses	Willows	Kentucky Bluegrass
Sedges		Smooth Brome
Cattails		Timothy
Rushes		

Deep, binding root mass stabilizes the stream banks.

Shallow roots do little to stabilize the stream banks.

### Examples of Common Plant Materials Used in Stream Restoration Projects in the Red River Basin

Wild Flowers	Shrubs
Anemones	Red-Osier Dogwood
Flag Iris	False Indigo
Black-Eyed Susans	Sandbar Willow
Grasses	Trees
Reed Canarygrass	Cottonwood
Big Bluestem	Box Elder
Indian Grass	Green Ash

# LIVING WITH THE RIVER

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A well-shaded stream helps keep the stream cool and water temperature stable. Cooler water is richer in dissolved oxygen, an essential water quality component needed by fish and other aquatic organisms.



Designed and produced by the Energy & Environmental Research Center (EERC) and sponsored by Cass County and the EERC's Red River Water Management Consortium<sup>SM</sup>.

# LIVING WITH THE RIVER

What every riverfront landowner should know

For more information, contact one of these resources:

The Red River Basin  
Riparian Project  
701-352-3550



The North Dakota State University  
Extension Service  
701-231-7971

Fargo Forestry  
701-241-1465

Natural Resources Conservation Service  
Fargo Field Office  
701-282-2157