

# Cross County Erosion Control Project

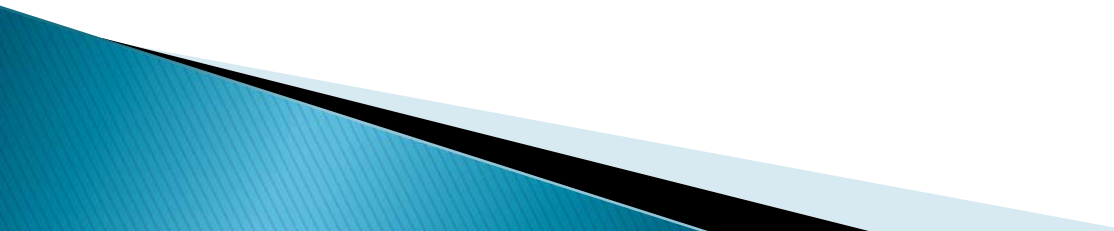
Project #06-1700  
06/01/2009-09/30/2011

# Project Location

- ▶ The Cross County Erosion Control Project is located on the East side of Arkansas. Portions of the L'Anguille River Watershed, Lower St. Francis River Watershed and Cache River Watershed are located in Cross County.

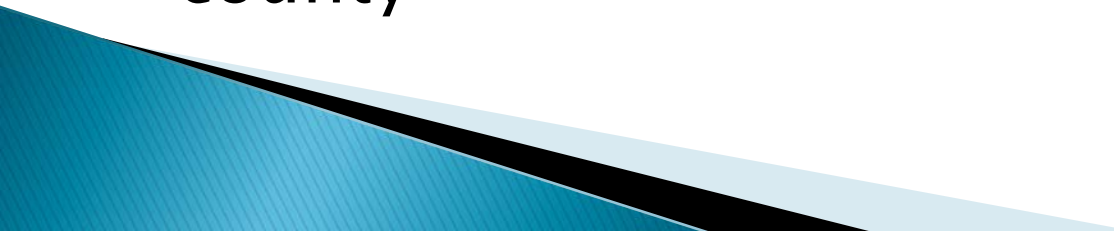


# Project Goals / Objectives:

- ▶ Prevent soil Erosion
  - ▶ Improve water quality
  - ▶ Decrease damage to the land
  - ▶ Reduce water conveyance losses through proper management of irrigation water
  - ▶ Increase sustainability of soil & water resources
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# Project promotion

- ▶ Phone survey to determine a need and participation (Contacted 110 landowners, only 2 did not have a erosion problem and were not interested)
  - ▶ Published in District newsletter—with 475 recipients
  - ▶ Published in local newspaper
  - ▶ Broadcast on local radio
  - ▶ Posted 25 informational flyers around the county
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# **DROP PIPE 50% COST SHARE**

**REDUCE SEDIMENT WHILE  
CONSERVING NATURAL RESOURCES**

**THE CROSS COUNTY CONSERVATION DISTRICT IS  
OFFERING A 50% COST SHARE PROGRAM**

**IMPORTANT SIGN UP DATES:**

**FEBRUARY 9th, 2009  
Thru  
FEBRUARY 27th, 2009**

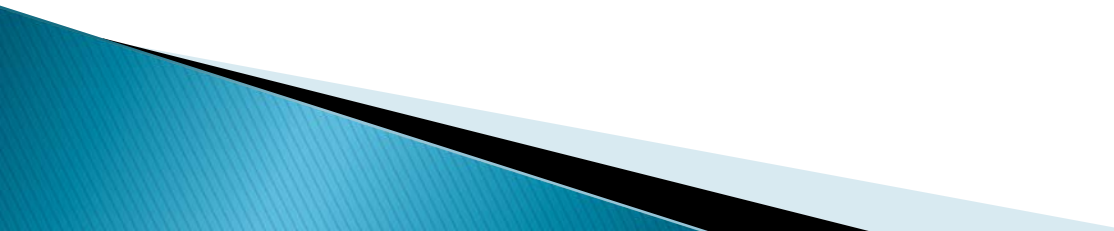
**(office will be closed February 16th)**

**CROSS COUNTY CONSERVATION DISTRICT  
1940 NORTH FALLS BLVD. WYNNE, AR 72396  
870-238-2781 ext.106**

**8:00 AM—4:00 PM**

**FUNDS MADE AVAILABLE THROUGH  
ARKANSAS NATURAL RESOURCES COMMISSION**

# Getting Started

- ▶ Utilized NRCS for technical assistance
  - ▶ Solicited location Maps from participants
  - ▶ Inventoried materials from producers
  - ▶ Accepted bids from venders
  - ▶ Developed contracts with participants
  - ▶ Invoiced and collected money from participants
  - ▶ Ordered materials
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# Water Control Structure

## Field view:

Landowner can insert boards to control water level in the field.



Flash Board Box



Splash Guard

## Ditch view:

Splash guard controls the velocity of water coming from field minimizing erosion.

# Before Water Control Structure



- Top soil eroding from the field each year making large gullies
- Landowners were having to dig the eroded top soil from the ditches and return it to the fields every two years



# After Water Control Structure



- Landowners can control the water level in the field as well as control the flow of water coming from the field. Stopping erosion and keeping the top soil in the field

# Before Water Transfer System



- Poly Pipe was used to transfer water from the well.
- Unexpected breaks in pipe would cause loss of water and levees washing out and eroding away.

# After Water Transfer System



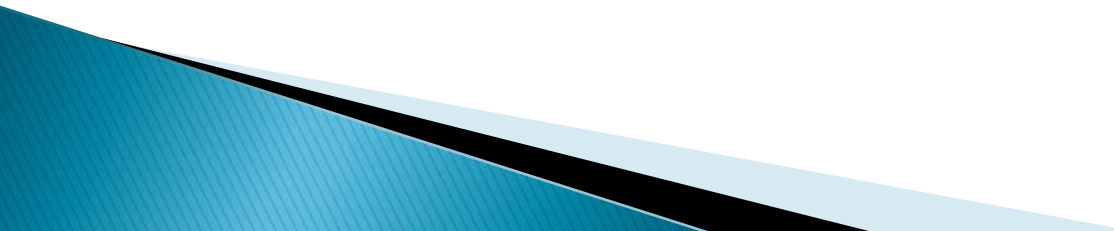
- Water transfer systems were installed with risers placed in the most effective locations preventing water loss and erosion while improving irrigation efficiency.

# Results

## Implemented approximately:

- ▶ 422 water control structures
- ▶ 119,200 feet of water transfer
- ▶ 65% of project practices are complete
- ▶ \$880,000.00 obligated for erosion control in Cross County

# Positive Outreach

- ▶ Mended a broken relationship with producers
  - ▶ Increased awareness of soil erosion control measures
  - ▶ Positive promotions of water conservation
  - ▶ Voluntary Tax has increased by 22%.
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# Acknowledgment

- ▶ Cross County Conservation District would like to acknowledge and commend the following:
  - ANRC–Tony Ramick, Kevin McGaughey
  - EPA
  - Pat Perry, 319 Area Coordinator

All of their guidance and assistance has been greatly appreciated.

Thank You

