

# Arkansas County Erosion Control Project





# Location

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- The Arkansas County Erosion Control Project is located in Southeast Arkansas and lies just West of the White river and East of the Arkansas River in the Bayou Meto and Lower White River watersheds.



# Goals:

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- The purpose of this project is to:
  - Prevent erosion
  - Improve water quality
  - Decrease damage to the land
  - Reduce water conveyance losses through proper management of irrigation water.



# Getting Started

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- Advertise
- Applications
- Maps
- Technical Assistance



# Getting started continued

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- Bids
- Contract
- Invoice
- Pipe Ordered



■ Getting a GPS Reading



■ Field side of pipe



Pipe into ditch with T



# Tail water Recovery Ditch





# Problem

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- The water was moving unchecked across the field and into the ditch.
- This was causing major gully erosion problems.
- There is approximately 5 tons of soil loss per year.



# Solution

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- Construct a permanent border levee and install a pipe drop through it to let the water drain through the pipe and eliminate a gully.
- This pipe drop has a T on the end. This keeps the water from shooting across the ditch and eroding the ditch bank.



# Results

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- This water control structure reduces the potential for nonpoint source pollution and increases water quality compared to unmanaged runoff from fields.

**It stabilizes the grade where the water runs off the field.**

**It Controls erosion and prevents the formation of gullies.**

**By adding a flashboard riser, this can also be used to regulate water in the field for flooding a crop or for waterfowl.**



# Tangible results

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- Load Reductions: Allows silt to settle out in the field rather than enter the stream
- Water quality improvements: Prevents erosion
- The farmers in Arkansas County are becoming more aware of their responsibilities as land owners and how important it is to manage the land for future generations.