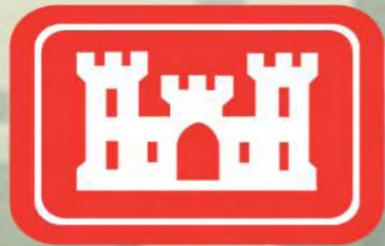


Oklahoma Governor's Water Conference

COL Michael Teague
District Commander
Tulsa District
US Army Corps of Engineers

27 October 2010



®

US Army Corps of Engineers
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Tulsa District

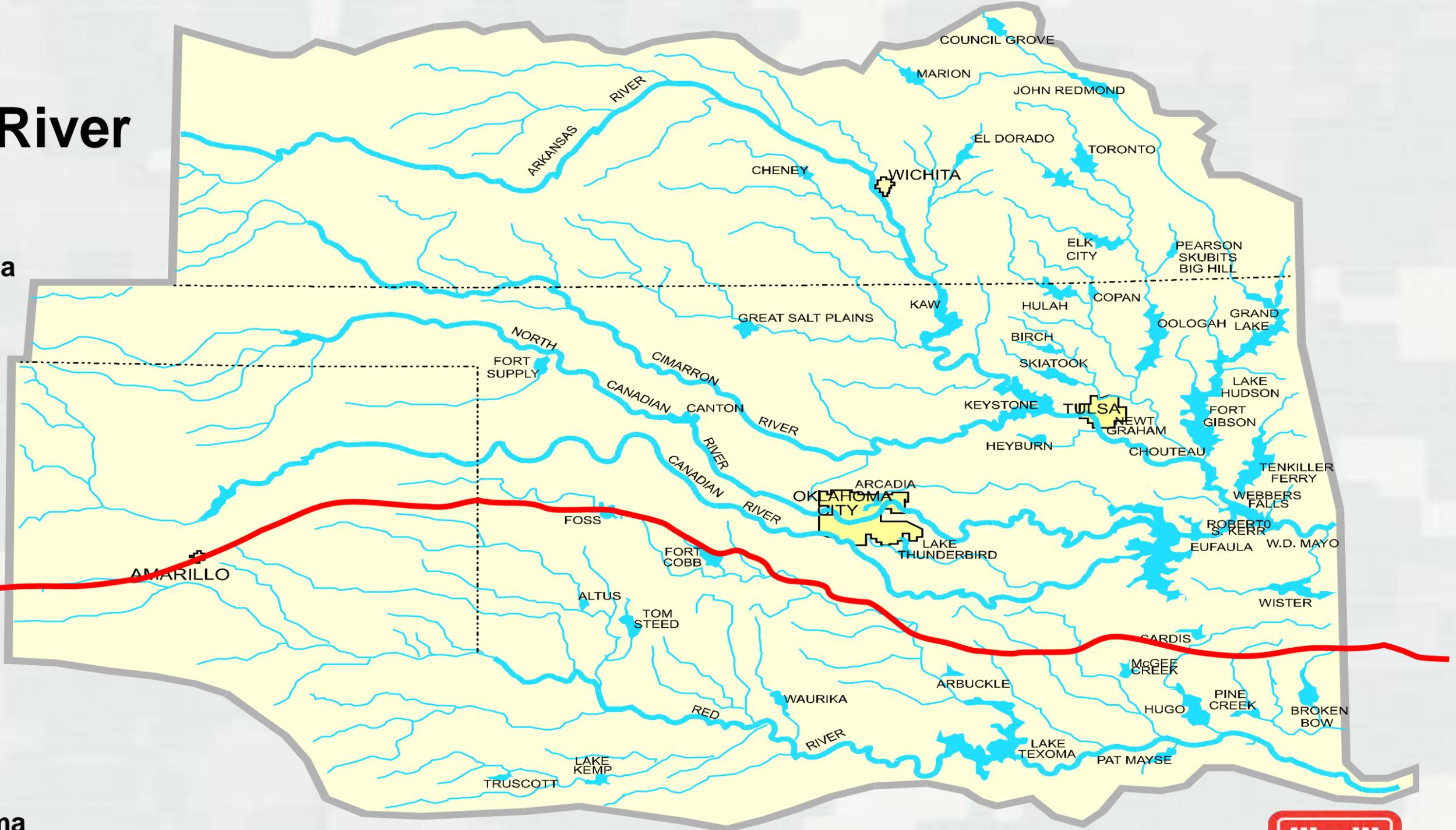
- Over 600 people
- Arkansas River and Red River Basins in Oklahoma, Southern Kansas and the Texas Panhandle
- Major Missions of the Corps of Engineers
 - War Fighting
 - Navigation
 - Flood Control (Flood Risk Management)
 - Military Construction
 - Regulatory/Environmental
 - Homeland Security



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Civil Works Boundary

Arkansas River Basin
Southern Kansas
Northern Oklahoma



Red River Basin
Southern Oklahoma
Northern Texas & Panhandle



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Maintaining a System Balance

Competing Water Resource Interests



Flood Risk Management



Tulsa District has flood risk reduction projects in two river systems.

- Arkansas River System
- Red River System

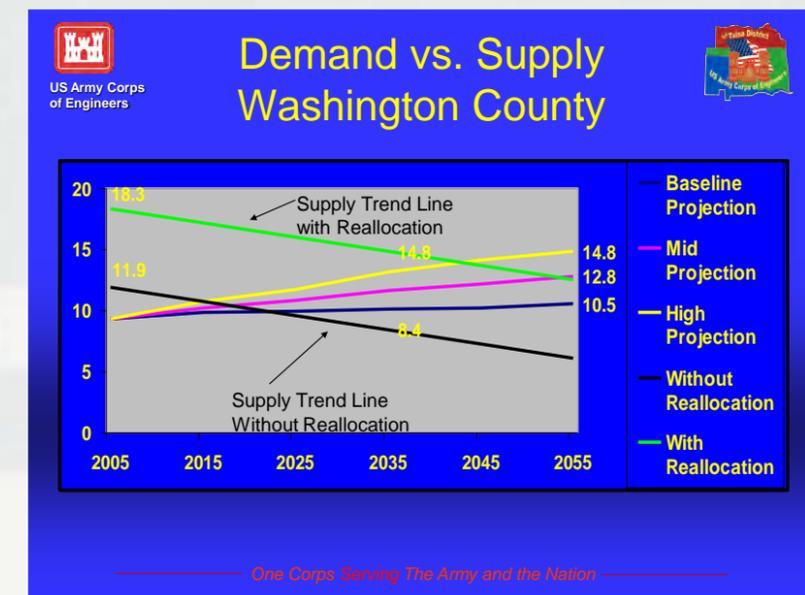


- Oklahoma Flood Damages Prevented for 2009: \$262,000,000
- 27 Reservoirs in Oklahoma
- Numerous Levee Systems and Local Protection Projects.
- Lifetime Flood Damages Prevented in Oklahoma: \$10.9 billion

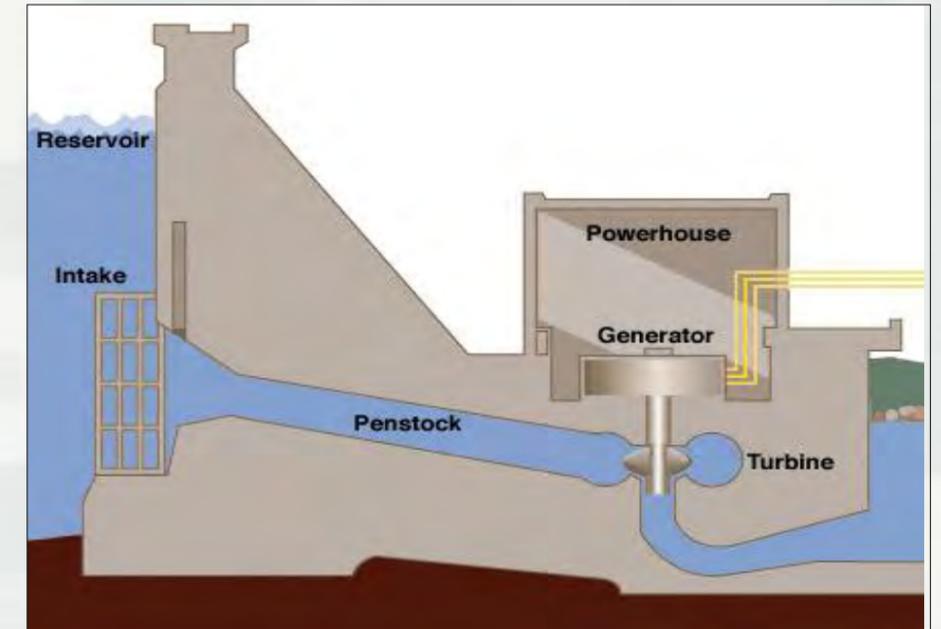
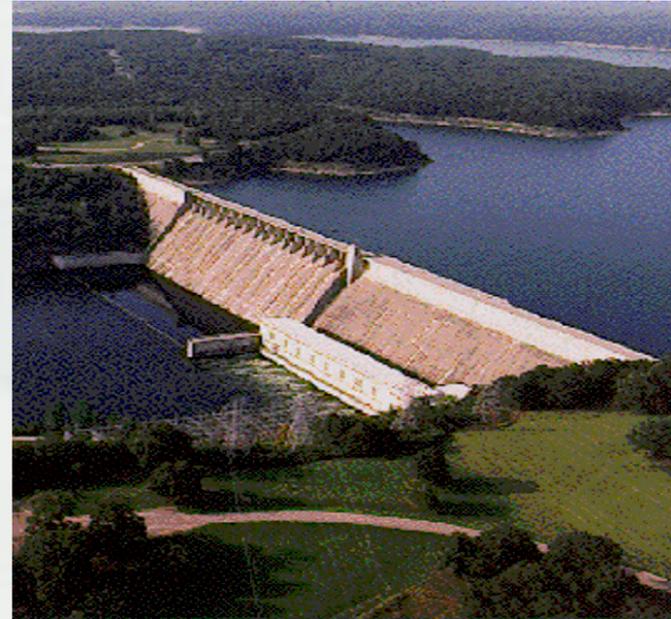


Water Supply

- The Tulsa District is responsible for over 50% of all water supply contracts in the Corps of Engineers
- Customers include States, municipalities, rural water districts, electric plants, conservation districts, irrigators and individuals.
- Tulsa District provides water supply to over 3 million people, amounting to over 6 billion gallons/year
- 20 Projects within Oklahoma provide approximately 1.8 million acre-feet of storage for water supply needs
- The goal: ensure that water will be available for use during all times including drought.



Hydropower

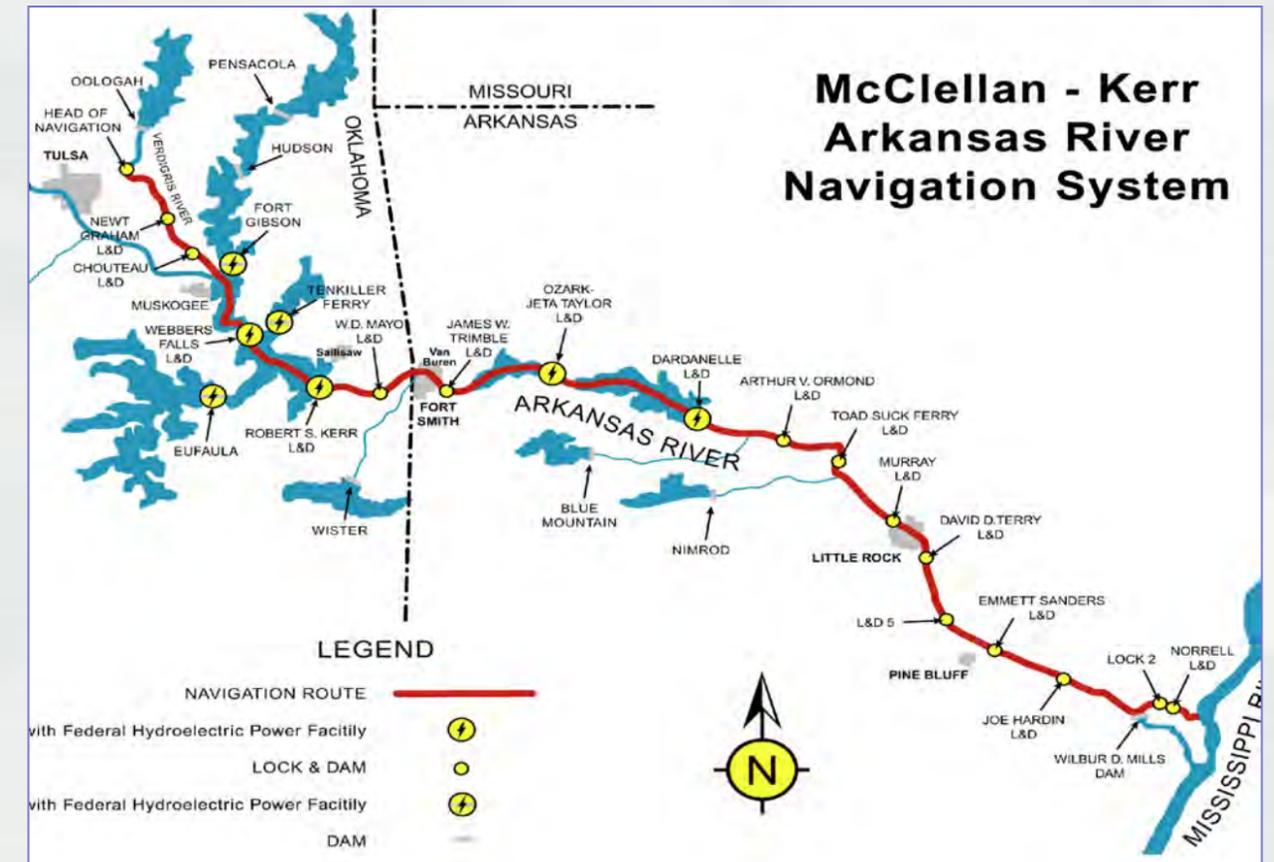


- Corps works with Southwest Power Administration to operate 8 power plants in Oklahoma.
- Total generating capacity 584,000 kilowatts.
- Produces an average of 1,800,000,000 kilowatt hours annually.
- Enough power for approximately 165,000 homes.
- Average annual value of approximately \$162 M.
- Clean renewable energy w/o fossil fuels.



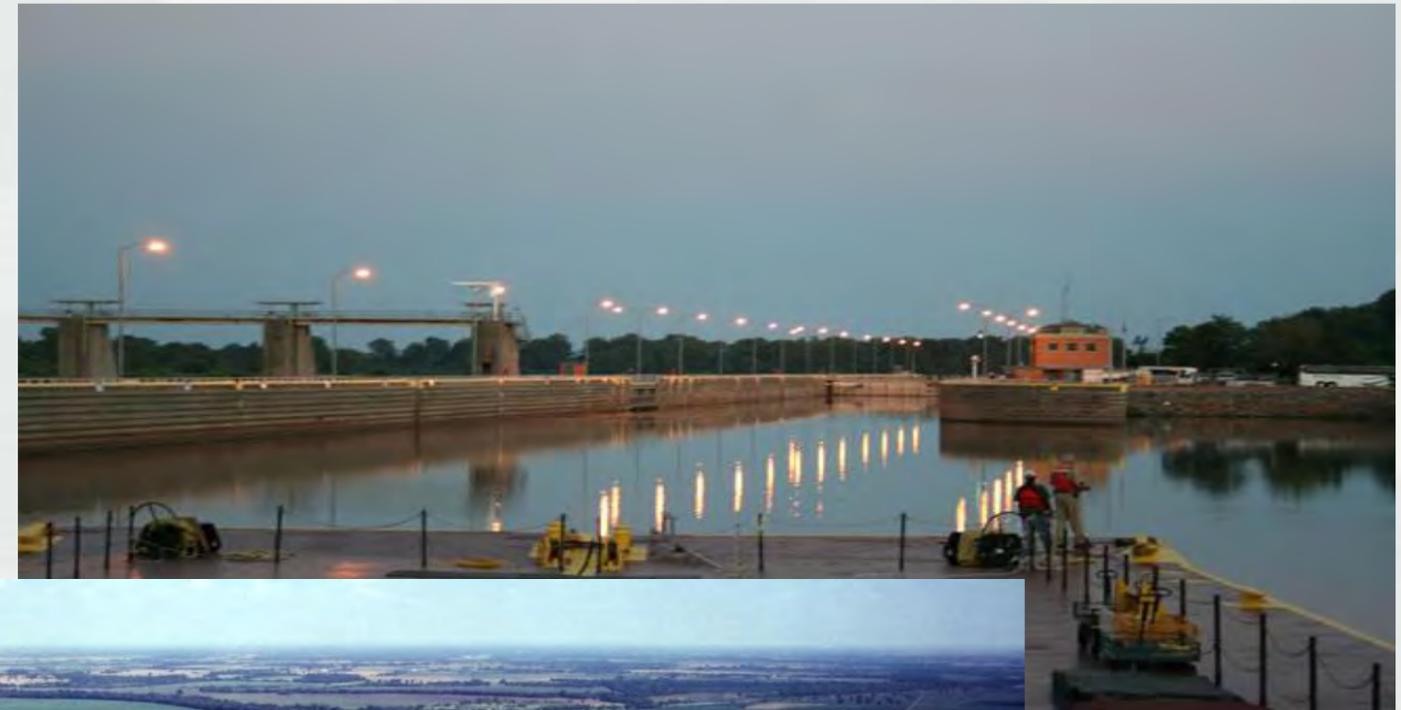
Navigation

- The McClellan-Kerr Arkansas River Navigation System was completed in 1971.
- Commerce on the system directly employs over 4,000 people in Oklahoma.
- Generates a payroll of approximately \$85 million annually.
- One barge can move as much as 15 rail cars or 60 tractor-trailer trucks.
- An average of 13 million tons of cargo is transported annually.



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MV Mississippi and Mississippi River Commission.



Environmental

- Reservoir Operations
 - Fish and Waterfowl Considerations
 - Endangered Species
 - Least Tern Monitoring Program
 - Close Coordination with State and Federal Resource Agencies
- Regulatory Functions
- Ecosystem and Aquatic Ecosystem Restoration



Recreation



- 250 Tulsa District parks; nearly 7,000 campsites and more than 250 boat ramps.
- 70 improved swimming beaches.
- Almost 150 Tulsa District parks operated by other agencies and local government.
- 2009 Visitation at District Lakes
 - Total Visitors: 26,118,635
 - In Oklahoma: 23,543,652
 - At Tenkiller Lake: 3,081,953
 - At Lake Eufaula: 3,127,725



Dam and Levee Safety Programs

- Areas of Focus.

- Canton Lake
- Keystone Lake
- Pine Creek
- Birch

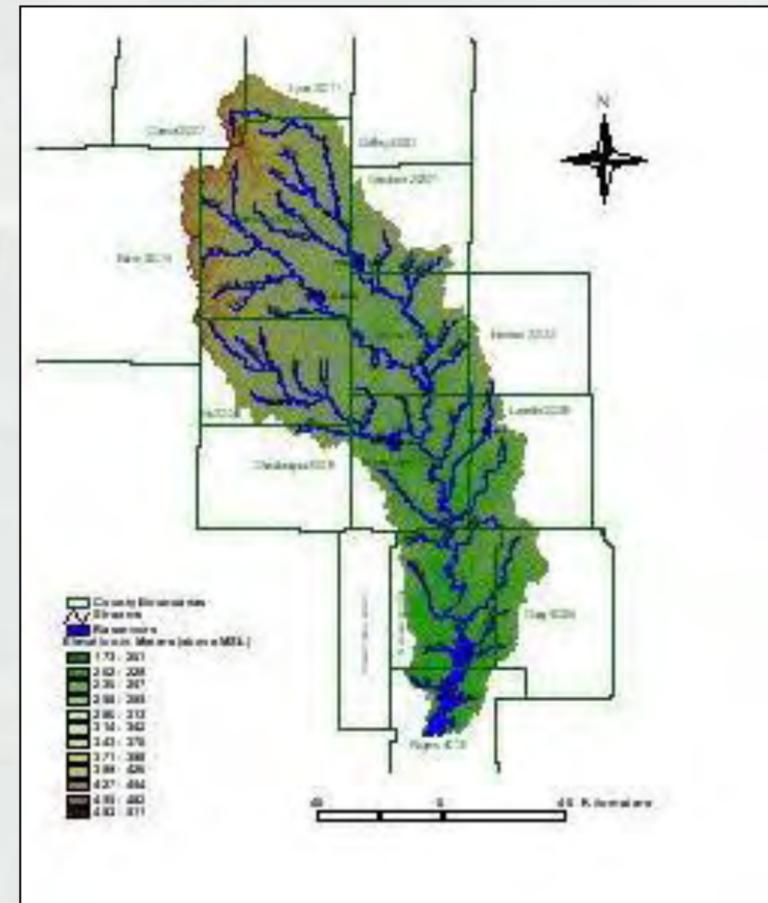


- On-going monitoring of existing dams and levees



Reservoir Sustainability

- Maintaining Infrastructure
 - Ageing Infrastructure
 - Funding Challenges
- Sedimentation & Nutrient Loading
 - Watershed Activity
 - Impacts All Project Purposes
 - Future Directions
- Best Uses of Storage
 - Reallocation



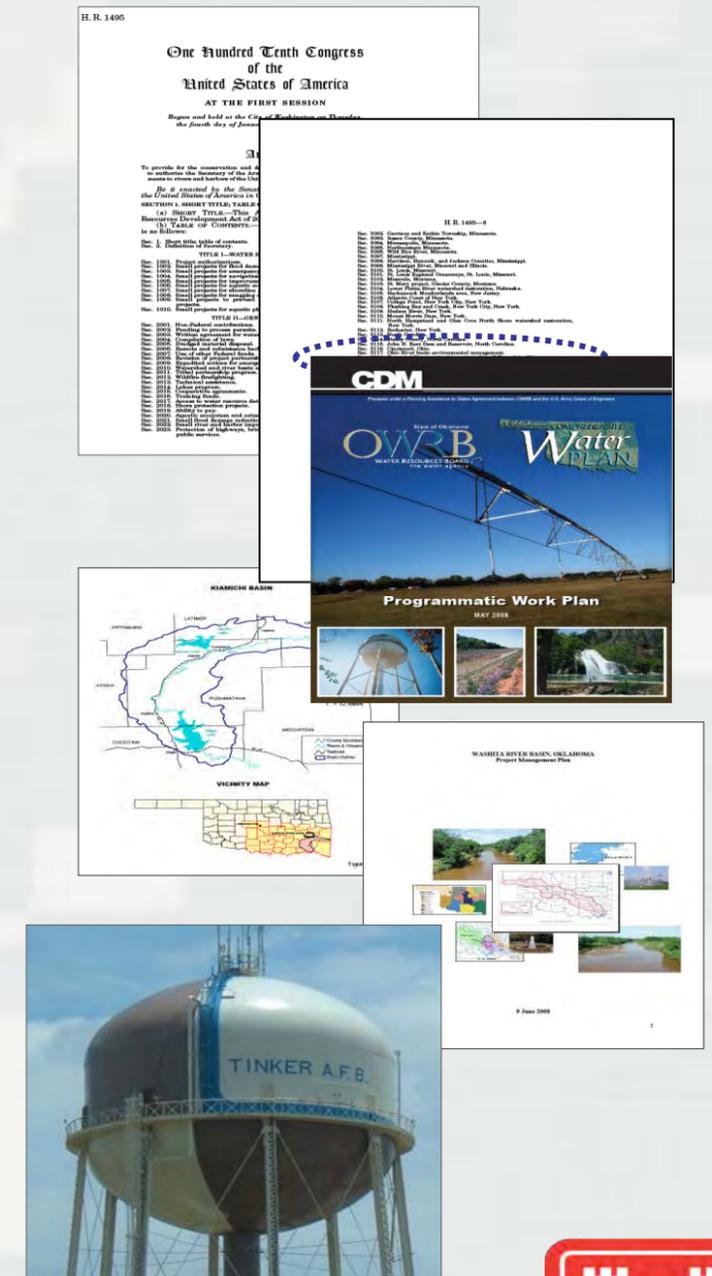
Tulsa District – Role in the OCWP

- Provide technical expertise and objective input with regard to State water resources now and for the future
- Provide federal funds through existing authorities to supplement state funds
- Provide input with regard to infrastructure projects



Tulsa District – Support to the OCWP

- Water Resources Development Act (WRDA) 2007
 - Sec 5119 - Statewide comprehensive planning
 - Section 219 projects
- Southeast Oklahoma Watershed Study
- Washita River Watershed Study
- Planning Assistance to States
- Coordinate military installation water requirements



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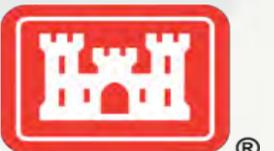
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