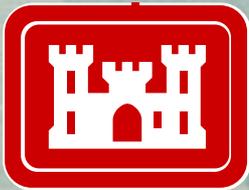


U.S. Army Corps of Engineers Tulsa District

Oklahoma Governor's Water Conference

COL Richard Pratt
District Commander

23 October 2014

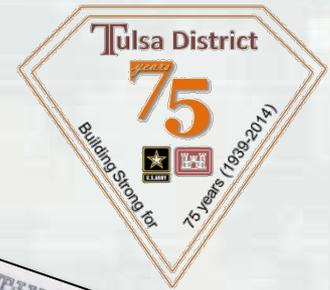


® US Army Corps of Engineers
BUILDING STRONG





USACE ESTABLISHED IN OKLAHOMA!



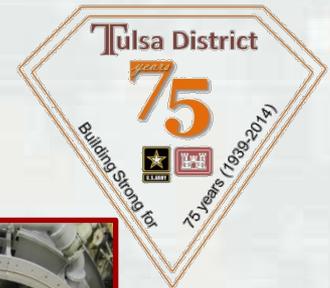
- 1927 – Historic 1927 flood in the Mississippi Valley
- 1930s – Dust Bowl drought and the Great Depression wrack the Arkansas and Red River basins
- 1936 – Landmark Flood Control Act creates Southwestern Division and authorizes 211 flood control projects in 31 states
- July 14, 1937 – Southwestern Division begins work in a territory that includes the upper Arkansas, White, and Black River basins, among others.
- 1939 – War breaks out in Europe
- Jan 1, 1939 – Denison District is formed in the Red River Basin, primarily to build Denison Dam
- **July 1, 1939 – Tulsa District is formed from Little Rock District and receives \$11 million for work on eight authorized projects**



BUILDING STRONG®



Civil Works Mission



Water Supply

- 50% of Corps water supply contracts
- 18 lakes, 104 water supply customers
- 2.2 million people served



Tenkiller Lake

Water Quality

- Enhances municipal, industrial, irrigation usage
- Protects endangered species
- Improves degraded streams



Red River Chloride, Area VI



Webbers Falls Turbine

Hydroelectric Power

- 8 power plants produce 585,000 kw capacity
- Generates power to 8 million customers



New Campgrounds, Canton Lake

Recreation

- 267 recreation areas at 33 projects
- 22.5 million visitors in 2012

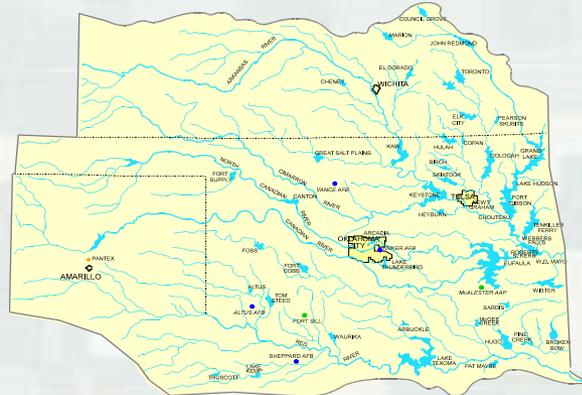


Inland Navigation (MKARNS)

- 5 locks & dams
- 3 major ports



BUILDING STRONG®



Grand Lake



Environmental Stewardship

- Tenkiller Low Flow Pipe
- Supersaturated Dissolved Oxygen System (SDOX)

Flood Risk Management

- 38 Corps dams + 10 others
- 15,950,000 acre feet of flood storage
- Arkansas River Basin: \$11,144B in cumulative flood damage reductions
- Red River Basin: \$1,936B in cumulative flood damage reductions





Military Mission



- Engineering
- Construction
- Installation Support
- Environmental Management



KC 46A Program
Altus AFB



Control Tower
Vance AFB



Child Development Center
Tinker AFB



ENJPT Training Facility
Sheppard AFB



Reserve Center
McAlester Army
Ammunition Plant



Reception Complex
Fort Sill



BUILDING STRONG®

Oklahoma Comprehensive Water Plan Support

Phase I: Update of OCWP

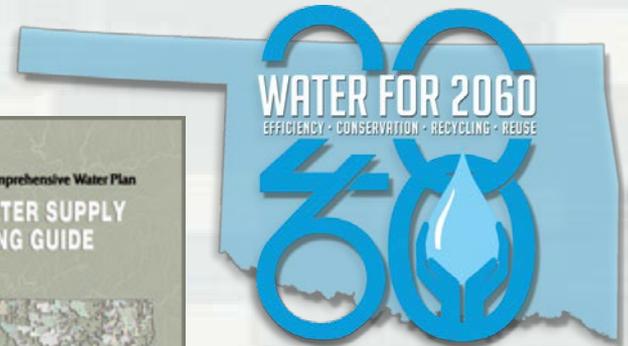
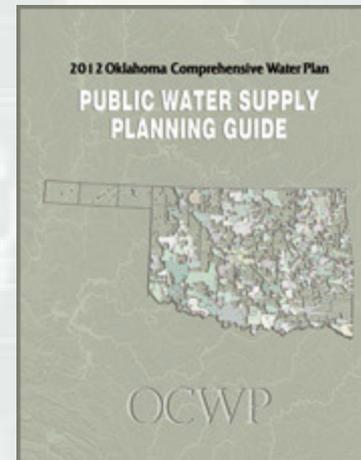
- Provided technical expertise, cost-shared funding (\$4M), and input for development of strategic, forecasted and existing water resources information

Phase II: Implementation of OCWP

- Technical assistance and funding
- Priority recommendations include:
 - FY14: \$230K for Instream Flow Workgroup Assistance for OK Instream Flow Pilot Study
 - FY13: \$530K for Water for 2060 Advisory Council Workshops and Reservoir Yield Analyses

Future: FY15 Potential Support:

- Instream Flow Pilot Study and Water Supply Reliability



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Planning Assistance to Tribes

Fort Sill Apache Tribe Master Plan Study

- Infrastructure assessment
- Water needs analysis
- Business plans
- GIS Mapping

Study Cost: \$ 100,000 – cost shared 50/50

Study Completion: 30 Nov 2014

Chickasaw and Choctaw Nations Wastewater Reuse Study

- Develop criteria to evaluate projects
- Identify 8-10 potential projects
- Analyze and prioritize 3-4 projects

Study Cost: \$200,000 - cost shared 50/50

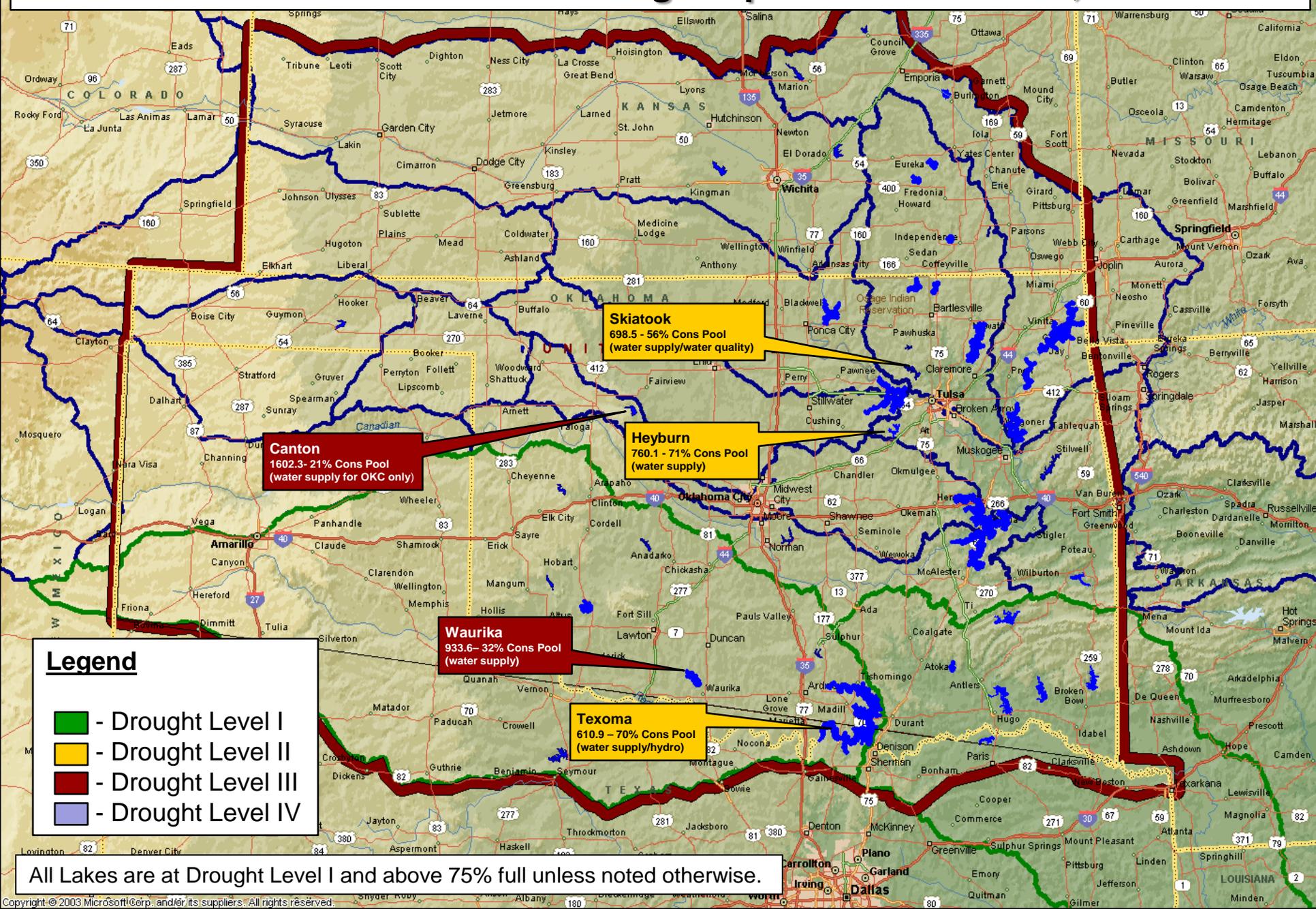
Study Completion 30 Nov 2014

Cheyenne/Arapaho Groundwater Study

- Proposed for FY 15



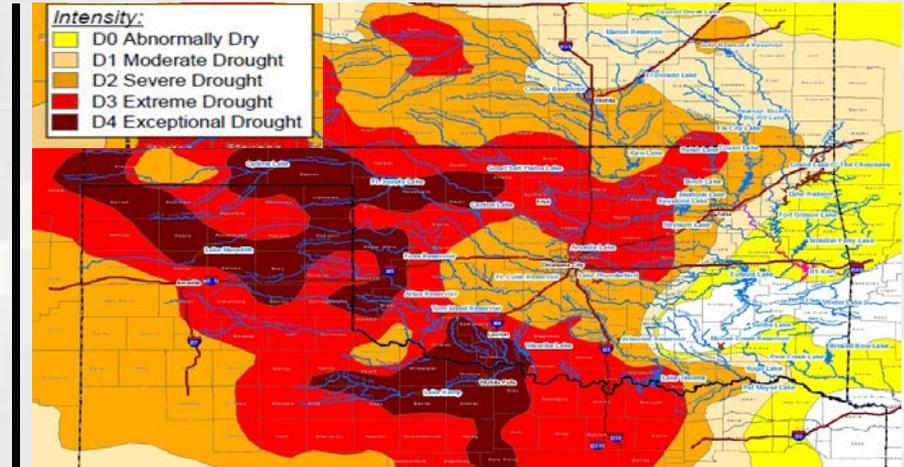
Tulsa District Reservoir Drought Update – 15 October, 2014



Tulsa District Drought

Issue

- We are in a period of drought
- Manage effects using Lake Drought Management Plans
- Adhere to contractual agreements as dictated by law



Opportunity

- Encourage conservation
- Communicate with the public
- Take advantage of maintenance opportunities
- Minimize Impacts
- Protect fish habitats

Texoma (Level 2) – If elevation 607' is reached, notify SWPA to revise generation from rapid response, short term peaking purposes to critical power needs

Canton (Level 3) - Prepare for degrading water quality

Waurika (Level 3) – Provide access to remaining water supply

Skiatook (Level 2) – Reevaluate water quality releases

Heyburn (Level 2) – Initiate District Drought Management Committee



Public/Private Partnerships

Opportunities

- Through public/private partnerships, provide services that no one agency can provide by themselves
- Prevents, or minimizes, reductions in levels of service
- Builds Partnerships

Challenges

- Agencies (Federal/State/Local) have increased infrastructure maintenance/repair requirements
- Agencies have increased demand for services
- Agencies have decreased resources (people and money)



Keystone Bridge Replacement



Examples

- Lower Illinois River Trout Fishery (SWPA, ODWC, Water Users, Trout Unlimited)
- Keystone Bridge (ODOT)
- Canton Fishery Response Plan (OKC/ODWC)
- Keystone Salt Creek Camping (Mannford)
- MKARNS Emergency Response
- John Redmond Reservoir Dredging



WRRDA 2014 Tulsa District

Sec 2011 COE Lock and Dam Energy Development

- Amends Sec 117 of WRDA 86 on W.D. Mayo L&D for Cherokee Nation hydropower

Sec 4004 Arkansas River

- MKARNS Advisory Committee

Sec 4012 Red River Basin

- Reassign unused irrigation storage

Sec 6005 (c) Land Conveyances

- Tulsa Port of Catoosa

HEADQUARTERS

 **US Army Corps of Engineers**

HOME > MISSIONS > CIVIL WORKS > PROJECT PLANNING > LEGISLATIVE LINKS

Legislative Links

Collapse All Expand All

- ▣ Memoranda of Understanding / Agreements
- ▣ Additional Authorities
- ▣ Congressional Committees with Jurisdiction over Civil Works Program
- ▣ Compilation of Laws
- ▣ Water Resources Development Act (WRDA) - 1996 through 2007
- ▣ Water Resources Reform Development Act (WRRDA) of 2014
 - WRRDA 2014 text
 - Implementation Guidance
 - Listening Session and Public Input



Mississippi River Commission

August 10-11, 2014

Objective

- The objective of the Mississippi River Commission is to listen to partners, stakeholders and the public regarding the use of water resources in the local and regional area

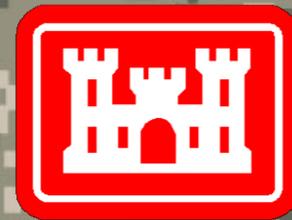
Purpose

- Partner with key associations and interest groups
- Meet with key groups to help enhance relationships and broaden collaboration
- Utilize diverse forums for collaboration and education

Opportunity

- The MKARNS Navigation system was selected for the August 2014 Mississippi River Commission (MRC) low water inspection
- Oklahoma Governor and 5 Cabinet members participated





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