

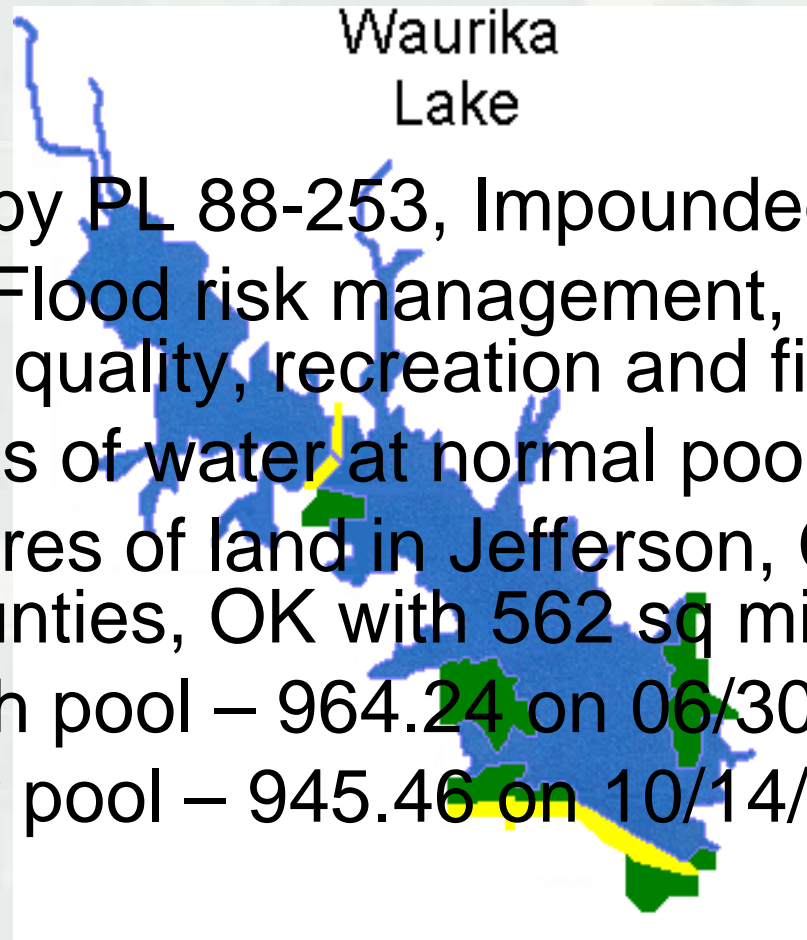
# Waurika Lake





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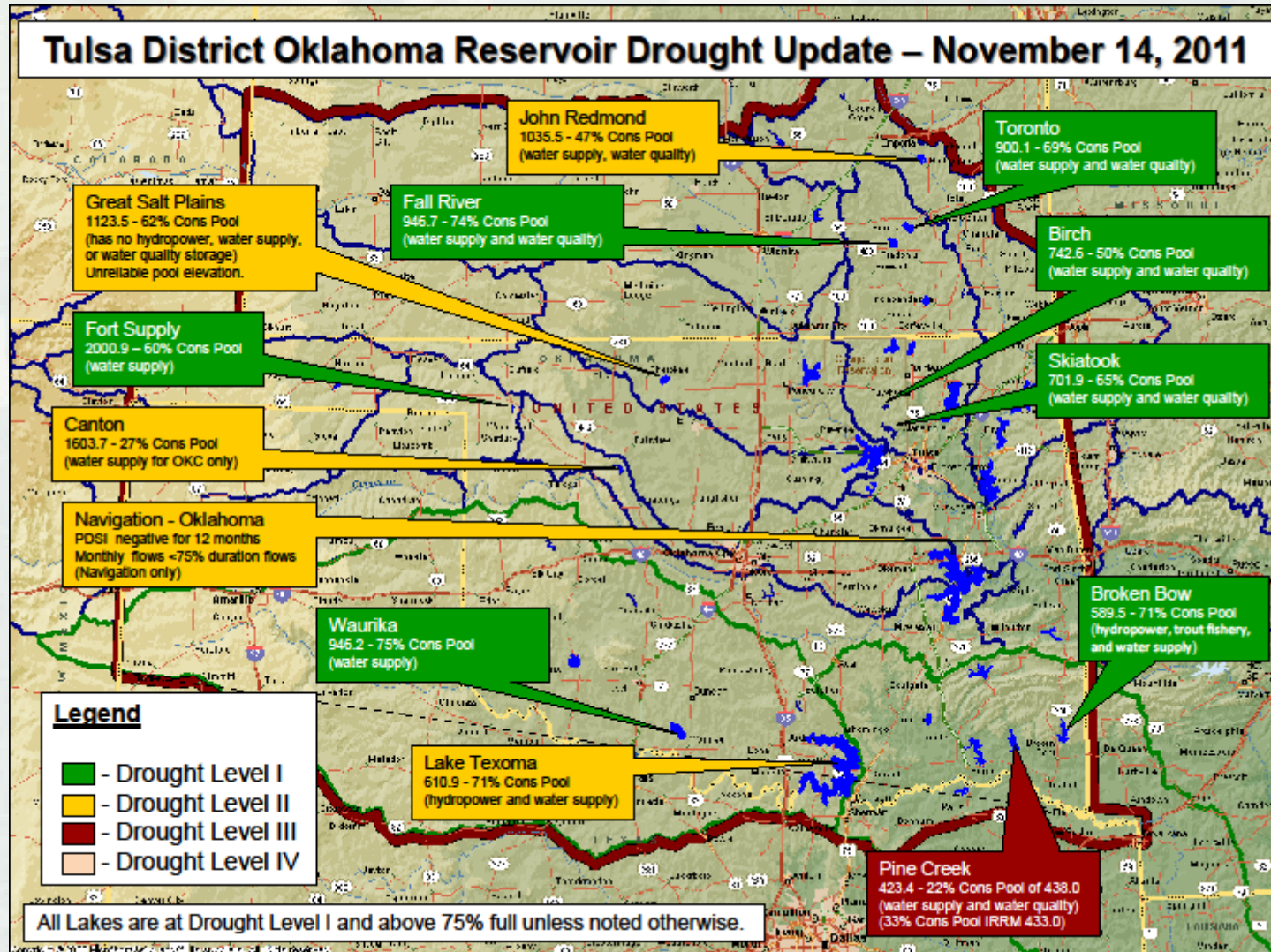
# Brief History of Waurika Lake



- Authorized by PL 88-253, Impounded in 1977
- Purposes: Flood risk management, irrigation, water supply, water quality, recreation and fish and wildlife
- 10,100 acres of water at normal pool 951.40
- ~12,500 acres of land in Jefferson, Cotton, and Stephens counties, OK with 562 sq mi drainage area
- Record high pool – 964.24 on 06/30/07 (353,353 ac/ft)
- Record low pool – 945.46 on 10/14/06 (136,976 ac/ft)



# Tulsa District Oklahoma Reservoir Drought Update – November 14, 2011



# Impacts of the 2011 Drought:

- New Hazards with low lake levels
- Decreased Visitation and Recreation Opportunity
- Public Safety Concerns
- Blue-Green Algae Bloom
- Increased Wild Fire Threat
- Water Supply & Demand Issues



# 2011 Drought Impacts



# Any Positive Impacts from the Drought?

- New Bumpers installed on all boat docks
- Cleaned rock and silt from all boat ramps
- Shoreline erosion control work in PUA's
- Removed a significant amount of debris
- Working with partners to place fish habitat



# Positive Impacts



# **In FY 11 these major maintenance items were initiated with O&M funding at Waurika:**

- Toe Drain Repair
- Service Gate Painting and Low Flow Repair
- PUA Building Door Replacement
- Service Bridge Corbel Repair
- New Piezometers tied into Collection System



# Toe Drain Repair



# Gate Painting & Low Flow Repair



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# USACE & WLMCD

- Original contract initiated in 1970
- USACE built intake/conveyance facilities
- WLMCD to provide O&M on facilities and extensive pipeline system
- WLMCD Contracts storage with USACE to provide water to: Waurika, Lawton, Temple Comanche, Walters, and Duncan



# USACE & WLMCD (cont)

- WLMCD pays a percentage of USACE incurred O&M costs on Waurika Lake dam
- Excellent partnership and working relationship built on strong communication



We appreciate your support!

