

Oklahoma Water Resources Board

**OU Water Day
November 2018**

**Owen Mills
Director of Water Planning**



OWRB Missions



Water Permitting



Floodplain / Dam Safety



Monitoring Lakes & Streams



Water Quality Standards



Water Financing



Statewide Planning



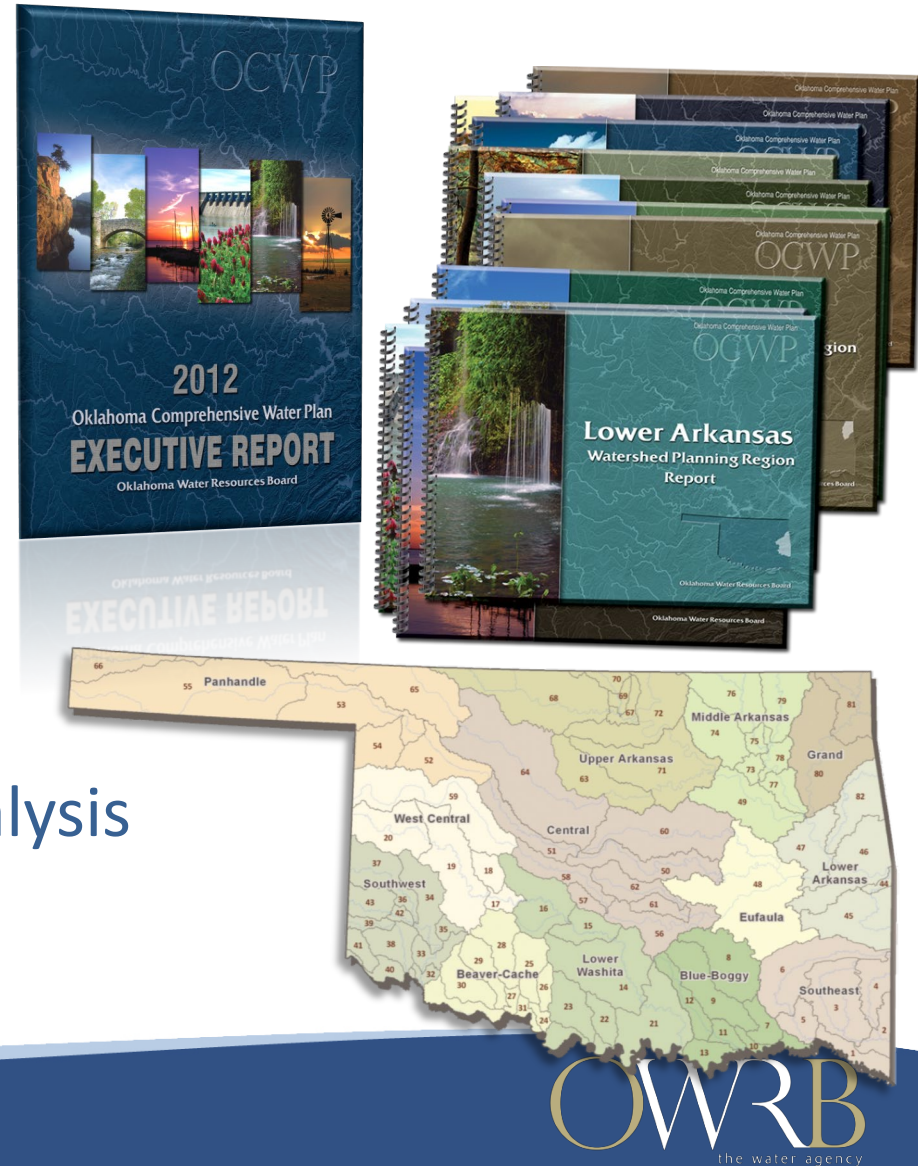
Groundwater Studies



Well Driller Licensing

Comprehensive Water Plan

- Water Supply:
 - Physical Water Availability
 - Permit Availability
 - Water Quality
- Water Demand
- Public Water Providers
- Water Supply Options
- Basin Summaries & Data/Analysis



Monitoring & Measuring



OCWP Study on uses for Marginal Quality Waters

SOURCES

- POTW Water Reclamation
- Stormwater runoff
- Oil & gas produced water
- Brackish water
- Other lower-quality sources

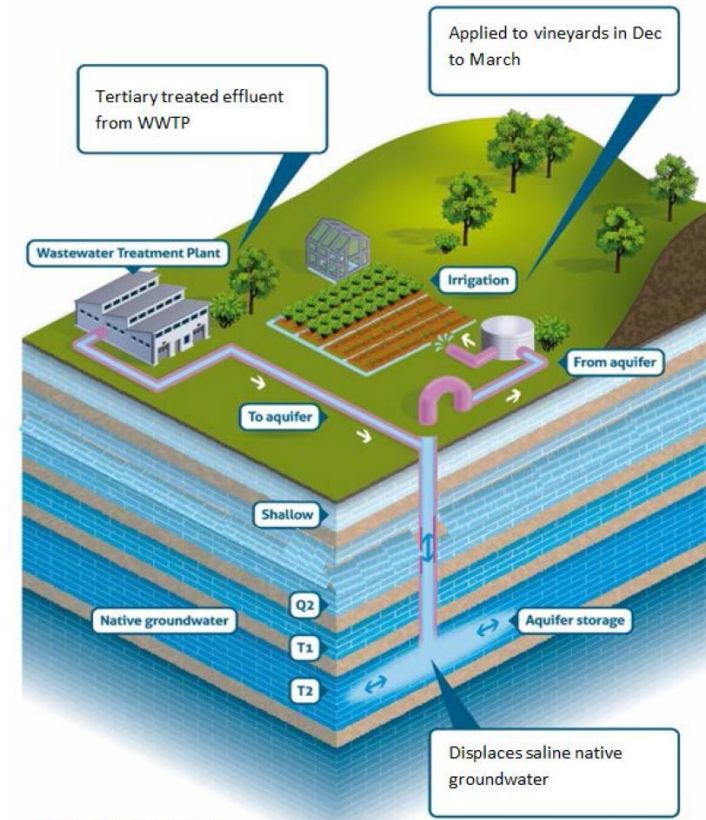
POTENTIAL USES

- M&I – potable & nonpotable
- Self-supplied residential
- Self-supplied industrial
- Thermoelectric power
- Oil & gas
- Crop irrigation
- Livestock watering

Aquifer Recharge, Storage & Recovery



- 2016 SB1219 – authorized ASR framework
 - required a site-specific ASR plan
 - required DEQ permit for water quality protection
- Changes to GW quality standards, implementation rules, DEQ permitting;
- GW Water-Rights permitting (quantity)
- Considerations: water rights credits, migration, property rights



Recommended Sites for Aquifer Recharge Pilot Projects



Produced Water Working Group



Governor Fallin created a non-regulatory, fact-finding work group focused on identifying regulatory, technical and economic barriers to produced water reuse.



Mapping Brackish Groundwater

Oklahoma Corporation Commission Base of Treatable Water

