Citizens for the Protection of The Arbuckle Simpson Aquifer
OCWP Priority Recommendation - Regional Planning Groups

The OWRB should work with the State Legislature to develop and authorize the creation of at least thirteen Regional Planning Groups to assist in planning and implementing OCWP initiatives at the regional level. These regional groups should be non-regulatory and consist of local stakeholders, as well as appropriate agency representatives, charged with developing regional water plans in a manner consistent with the OCWP and its implementation priorities. Such plans would include the identification of specific projects, studies, programs, research and other evaluations designed to address the unique needs and issues identified by Regional Planning Group participants. The State Legislature should establish regular appropriations to the OWRB to coordinate the activities of these groups.
What makes the Arbuckle Simpson Aquifer unique....
Designated by the EPA as a Sole Source Aquifer (SSA)

- The "sole or principal" source of drinking water for an area
- Supplies 50% or more of the drinking water for that area
- No reasonably available alternative

The Arbuckle-Simpson aquifer is the only such groundwater basin in Oklahoma.
Cities and Water Systems using the Arbuckle Simpson Aquifer

City of Durant
City of Sulphur
City of Tishomingo
City of Wynnewood
S Oklahoma Water Corp
Bryan Co. RWD #5
Garvin Co. RWD #6
Johnston Co. RWD #3
Murray Co. RWD #1
Pontotoc Co. RWD #8
Pontotoc Co. RWD #7
Bryan Co. RWD #2
City of Davis Buckhorn RWD
Pontotoc Co. RWD #9
S Oklahoma Water Corp
Wynnewood

City of Ada
W. Carter Co. W&S Corp
Pontotoc Co. RWD #6
Tupelo PWA
City of Ardmore
West Davis
Town of Ratliff City
Ada
Roff
Davis
Durant
Pottawatomie
Pittsburg
Jefferson
Cleveland
Stephens

Sulphur
Ardmore
Dougherty
Tishomingo
Mill Creek
Carter
Bryan
Garvin
Coal
Love
Pontotoc
Johnston Atoka
Murray
Marshall
Hughes
McClain
Seminole

Source - water data obtained from OWRB publication "Rural Water Systems In Oklahoma" - 1998.
• Water system GIS files obtained from the Oklahoma Water Resources Board website.
Known springs within the Arbuckle
The Arbuckle Simpson provides drinking water to over 150,000 Oklahomans

Other Interests that Depend upon the Aquifer

- Turner Falls
- Falls Creek
- Chickasaw National Recreation Area
- Tishomingo National Wildlife Refuge
- Slippery Falls Boy Scout Ranch
- Oklahoma Fish Hatchery
- Nature Conservancy’s Pontotoc Ridge Preserve
As the only Sole Source Aquifer in Oklahoma
The Arbuckle Simpson is governed by two unique pieces of law:

SB288
SB597
S.B. 288
Passed by the legislature in 2003

• Adds a fifth precept to Board approval of a groundwater permit: 5) the proposed use is not likely to interfere with streams and springs emanating from a sensitive sole source groundwater basin
  (Considers conjunctive use - impact of Groundwater withdrawals on streams and springs)

• Required a comprehensive study be conducted to determine the maximum annual yield

• Only applicable to a Sole Source Aquifer
The Oklahoma Water Resource Board
U.S. Geological Survey
The University of Oklahoma
Oklahoma State University
The Bureau of Reclamation

$5 Million dollars

Completed in 2009

Maximum Annual Yield – 67,000 AF
Statewide OCWP Watershed Planning Region and Basin Delineation
Lower Washita Watershed Planning Region
Central Watershed Planning Region
Findings from the Arbuckle-Simpson Hydrology Study could result in a significantly lower equal proportionate share than the current 2 AFY/acre allocation for that aquifer.

Pursuant to 82 O.S. § 1020.9(A)(2), the temporary allocation for the Arbuckle‐Simpson groundwater basin is subject to the OWRB’s case-by case determination of what amount will not likely degrade or interfere with springs or streams emanating from the Arbuckle-Simpson.

Permits to withdraw groundwater from aquifers (groundwater basins) where the maximum annual yield has not been set are “temporary” permits that allocate 2 Acre Feet Year/ Per Acre.
## OCWP

<table>
<thead>
<tr>
<th>Oklahoma Comprehensive Water Plan</th>
<th>Groundwater Available for New Permits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent of Basin Overlaying the ASA</td>
<td></td>
</tr>
<tr>
<td>Lower Washita - 11%</td>
<td>384,000 Acre Feet</td>
</tr>
<tr>
<td>Blue- Boggy - 6%</td>
<td>196,800 Acre Feet</td>
</tr>
<tr>
<td>Total GW Permits Available</td>
<td><strong>580,800 Acre Feet</strong></td>
</tr>
</tbody>
</table>
Comparison of OCWP to OWRB Arbuckle Simpson Study

<table>
<thead>
<tr>
<th>Oklahoma Comprehensive Water Plan</th>
<th>Groundwater Available for New Permits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percent of Basin Overlaying the ASA</strong></td>
<td></td>
</tr>
<tr>
<td>Lower Washita - 11%</td>
<td>384,000 Acre Feet</td>
</tr>
<tr>
<td>Blue- Boggy - 6%</td>
<td>196,800 Acre Feet</td>
</tr>
<tr>
<td>Total GW Permits Available</td>
<td><strong>580,800 Acre Feet</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OWRB Arbuckle Simpson Aquifer Study</th>
<th>Groundwater Available for Permitting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percent of Basin</strong></td>
<td></td>
</tr>
<tr>
<td>100%</td>
<td>67,000 Acre Feet</td>
</tr>
</tbody>
</table>
Storage depletions occur when demand exceeds recharge.
The Solution....
Allowing from Basin Management...
What we have accomplished thus far.....

Passage of SB288
Passage of SB597
Signed MOU with Hanson Aggregates

Joined with other interests...
Arbuckle Simpson Aquifer Protection Committee

• Participating in Rules process for SB597

• Working on a Draft Implantation Order for SB288
Regional Planning: Integral to OCWP implementation is due recognition of local issues and priorities identified by citizens, users, and stakeholders. While statewide water planning has served Oklahoma well and oversight is still required at the state level, the time has come to encourage and formalize regional water planning as the new standard that empowers local citizens more in touch with their unique needs, challenges and potential solutions.
Creation of the Arbuckle Simpson Aquifer Management Basin
Amy Anne Ford
Citizens for the Protection of the Arbuckle- Simpson Aquifer

CPASA.net
amyanneford@gmail.com
580-920-6156