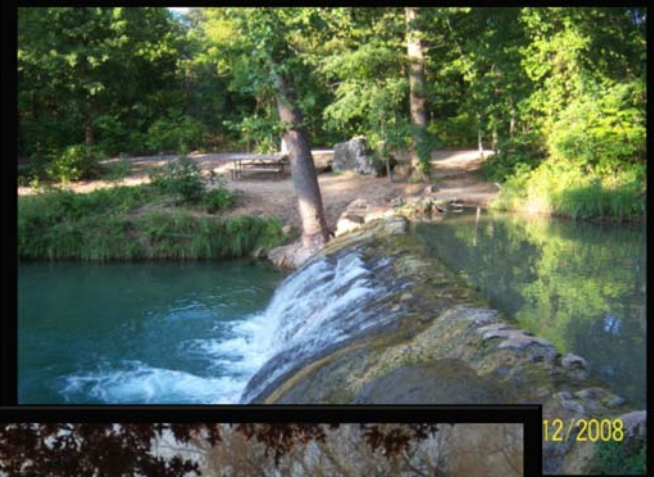
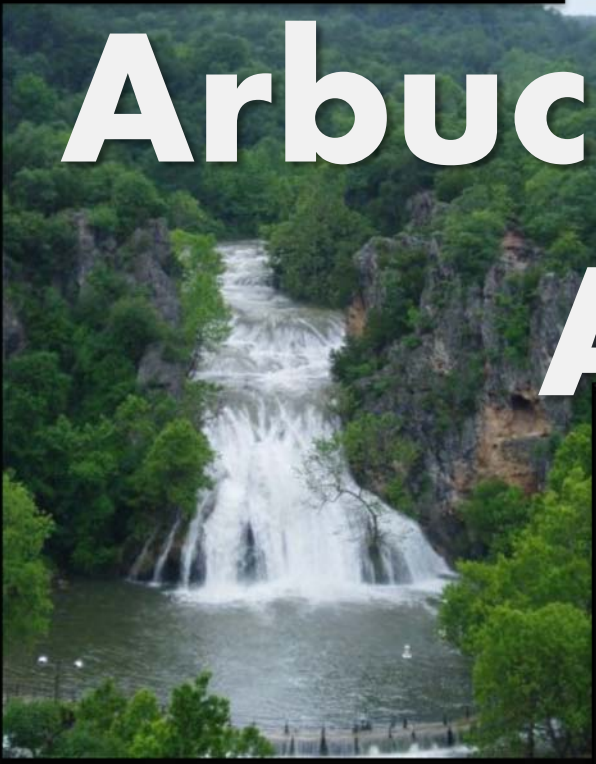


Citizens for
the
Protection of the
Arbuckle- Simpson Aquifer

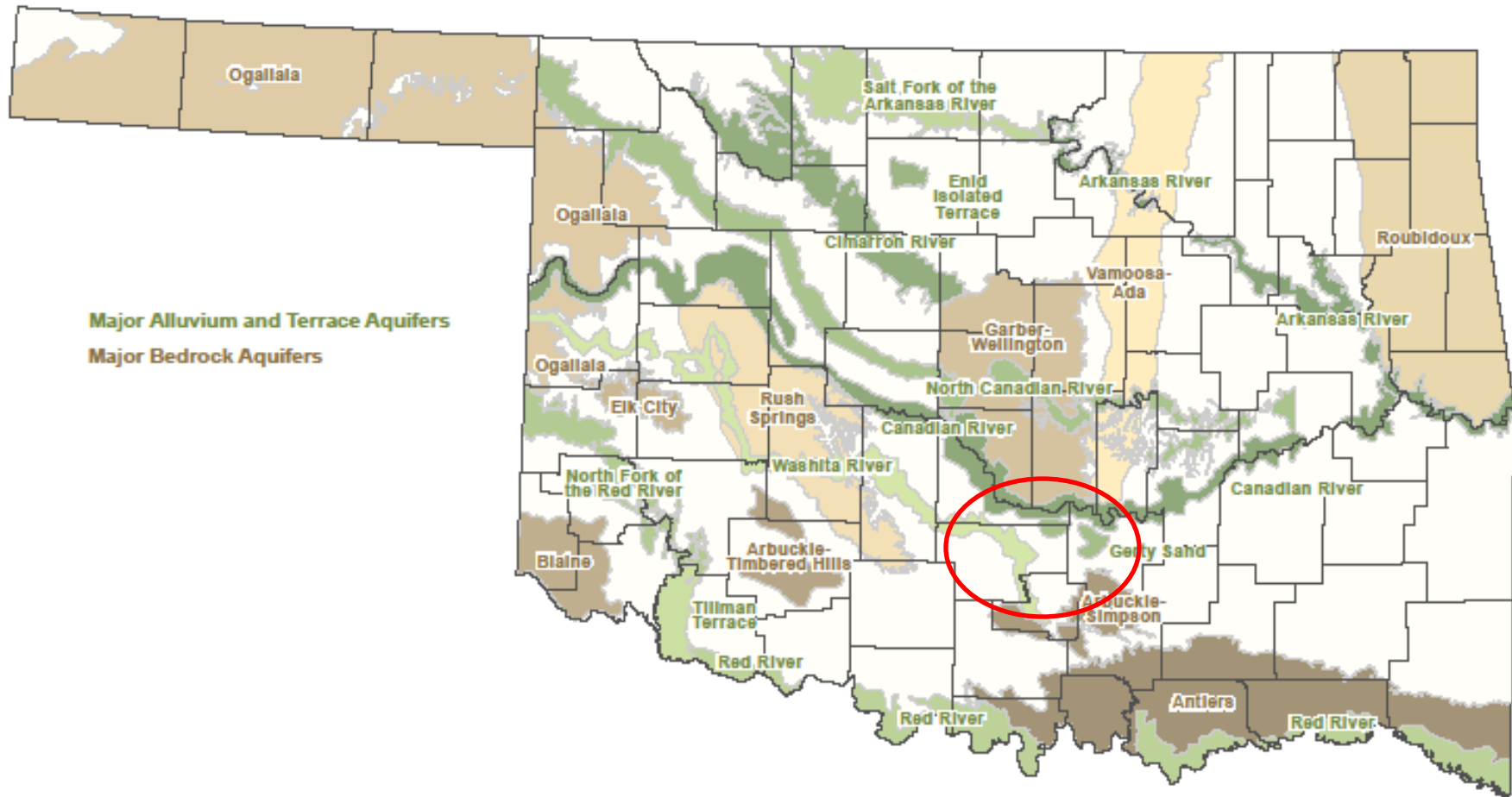
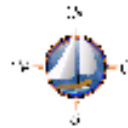
CPASA.net



The Arbuckle Simpson Aquifer



Major Groundwater Aquifers of Oklahoma

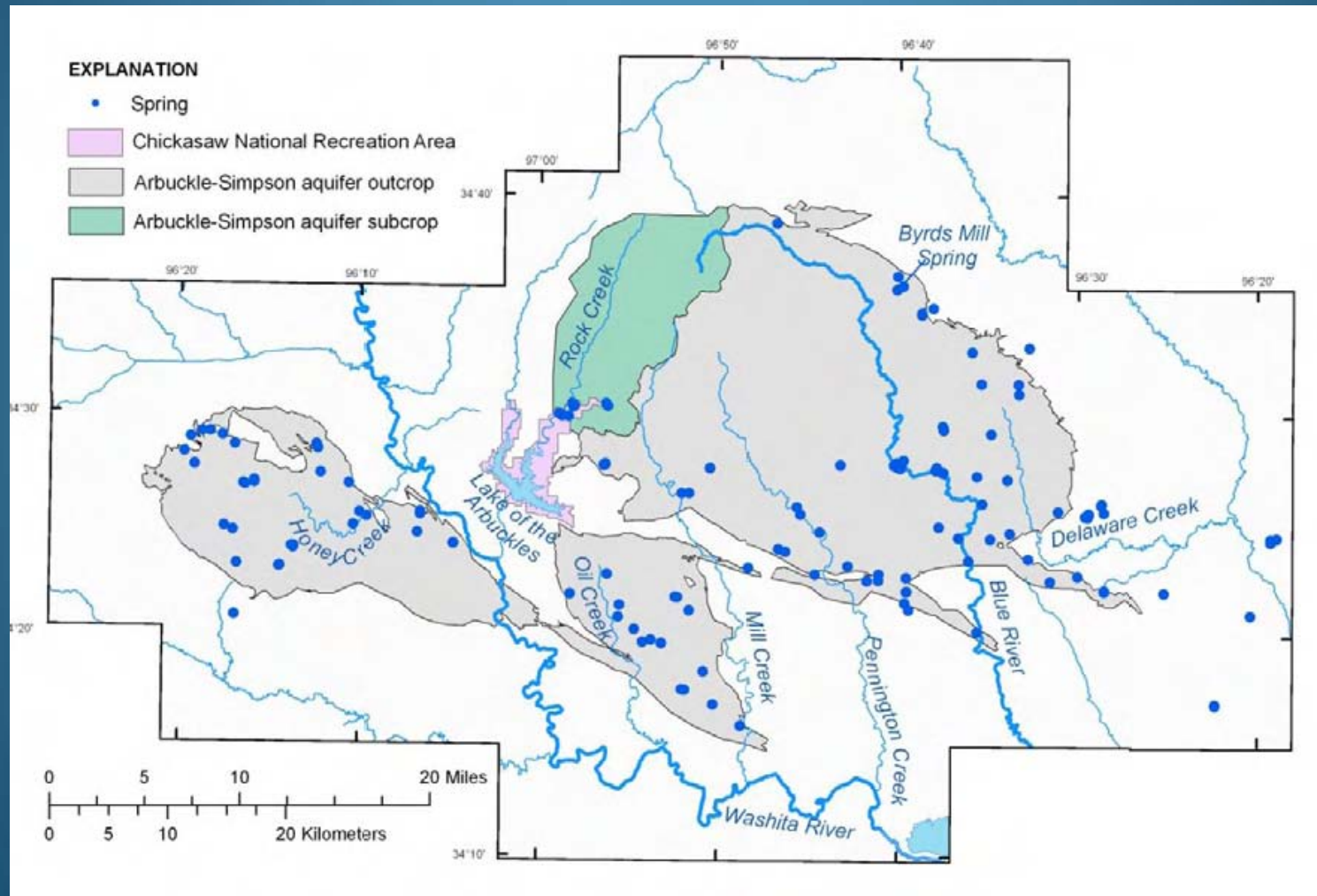


Designated by the EPA as a Sole Source Aquifer (SSA)

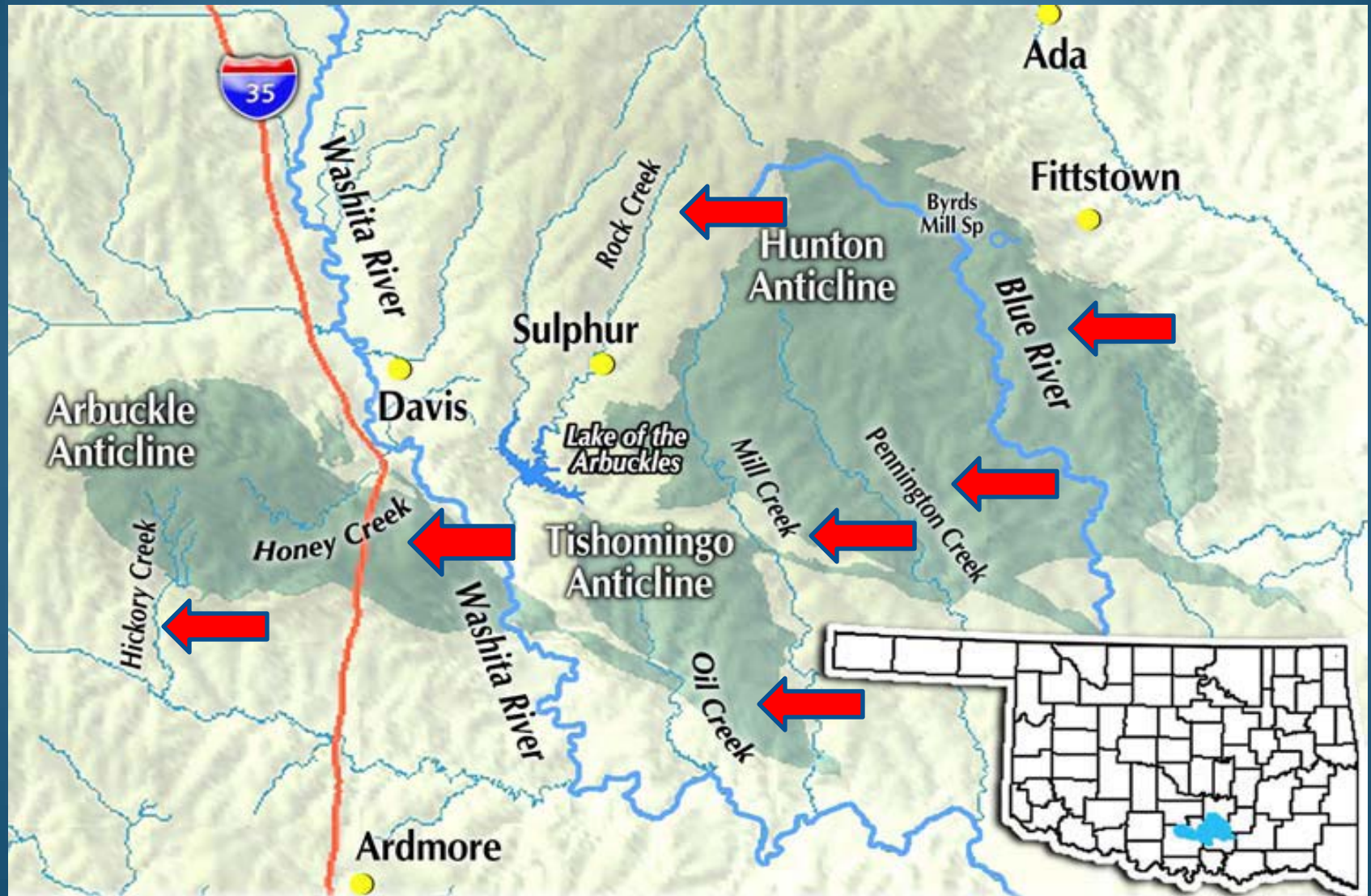
- The "sole or principal" source of drinking water for an area
- Supplies 50% or more of the drinking water for that area
- No reasonably available alternative

The Arbuckle-Simpson aquifer is the only such groundwater basin in Oklahoma.

Known springs within the Arbuckle



The Aquifer



The Cities of:

Ada

Ardmore

Durant

Sulphur

Davis

Wynnewood

Tishomingo

(as well as a number of smaller towns and rural residents)

Depend upon the Aquifer

Turner Falls

Falls Creek

Chickasaw National Recreation Area

The Birth of a Cause...

In 2002, two large landowners over the Arbuckle submitted an application for a groundwater permit to the OWRB for 80,000 AF per year

Plan to construct \$200 Million pipeline to supply water to a group of communities in central Oklahoma

Area citizens became aware to the plan
Organized through a town hall process

CPASA was born

Protested the applications
Sought legislation to protect the Aquifer

S.B. 288

Passed by the legislature in 2003

- For the first time in Oklahoma law –
Recognized the interconnection between
groundwater and surface water
- Required that groundwater withdrawals not
adversely impact the springs and streams in
the Arbuckle

- Imposed a moratorium on the issuance of any temporary groundwater permit for municipal or public water supply use outside of any county that overlays, in whole or in part, a “sensitive sole source groundwater basin”
 - OWRB complete a study of the Arbuckle-Simpson Aquifer
 - Approve a maximum annual yield

The Oklahoma Water Resource Board
U.S. Geological Survey
The University of Oklahoma
Oklahoma State University
The Bureau of Reclamation

5 Year and \$5 Million dollars plus

Maximum Annual Yield – 25,000 – 30,000 AF

If the original permit amount of 80,000 AF had be approved, the Aquifer would have been decimated in a relatively short period of time

SB 288 Implementation Strategy Timeline

Fall 2010 – Summer 2011

Municipalities

Rural Water Districts

County Commissioners

Tribal neighbors

Area landowners

Fall 2011

Submit to the OWRB our implementation
recommendations

Current Water Issues

Additional threats to the Aquifer

- 2004 – CPASA protested a groundwater application for an aggregate mining company - Martin Marietta
- 6000 protests were filed with the OWRB
- Were joined in our protest by, USGS, The Parks Service, The Arbuckle Master Conservancy, The City of Sulfur, The City of Tishomingo, The City of Ardmore, The City of Davis, The City of Ada, The City of Durant as well as hundreds of individual citizens
- Longest administrative hearing in OWRB history
- New Term..... PIT WATER!

Pit Water

Water that infiltrates a mining pit during the excavation of the product.

- Outside of jurisdiction by any agency
 - In an agreement with the USGS and the National Parks Service, Martin Marietta formed a Technical Review Panel (TRP)
- TRP - Required monthly reporting on their water usage
- TRP reports show that MM is withdrawing over 1000 AF annually from their pit

Approximately the same amount that Sulphur uses on an annual basis

SB597

Passed by the legislature in 2011

Brings pit water under the jurisdiction of OWRB

Requirements

- Metering of pit water
- Site-specific management plans
 - Mitigation and Augmentation
- Operations must obtain water rights for their consumptive use

CPASA working with the OWRB on Rules governing SB597

Oklahoma Comprehensive Water Plan

- CPASA has submitted a recommendation to the OWRB to carve out the Arbuckle Simpson Aquifer into its own management basin
 - Aquifer is currently divided into two basins
 - Largest user – Ada – in yet another basin
- Special recognition in both Federal and State Law
- Comprehensive scientific study of the basin
- All major users should have a voice in the management of the basin

Amy Anne Ford
Citizens for the Protection of the
Arbuckle- Simpson Aquifer

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