



# ARKANSAS DEPARTMENT OF AGRICULTURE NATURAL RESOURCES DIVISION

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10421 W. Markham St. Little Rock, AR 72205

Phone: (501) 682-1611 Fax: (501) 682-3991

<https://www.agriculture.arkansas.gov/natural-resources>

## CRITICAL GROUNDWATER DESIGNATION

### **The Problem:**

Arkansas has an abundance of good quality groundwater. However, some parts of the state are not so fortunate. The groundwater supply is being depleted faster than the rate of recharge. If this trend continues, it will result in permanent damage to the aquifers and a serious groundwater shortage. Measures must be taken to protect the state's precious groundwater supply. This can be done by reducing the use of groundwater through conservation and use of excess surface water.

### **Concerns:**

#### ***What is a critical groundwater area?***

Pursuant to Act 154 of 1991, the **Arkansas Natural Resources Commission** designates a critical area after notice and public hearings based upon monitoring and scientific review. The critical area is defined based on significant ground water declines and/or water quality degradation. Boundaries are configured based on the natural hydrogeologic boundary of the aquifer.

#### ***What does it mean to be in a designated critical groundwater area?***

Being designated a critical groundwater area recognizes the existence of a water quality or quantity problem and encourages local interests to develop a plan of action to address the problems. Designation will encourage Congress, the Arkansas Legislature, and state and federal agencies to place higher priority on commitment of resources to implement solutions.

#### ***What is in it for me?***

Designation makes an area a priority for state and federal programs such as tax credits and cost sharing programs.

#### ***Can being designated critical negatively affect my community?***

**No.** This is a non-regulatory program, which focuses on conservation and education programs, such as state tax incentives for the installation of water conservation practices.

#### ***Will regulation be imposed as a result of designation?***

**No.** There is no regulation of water associated with critical area designation at this time. Regulation cannot be initiated without a new process involving lengthy legal proceedings, additional notice and public hearings. Regulation has not been proposed anywhere in the state.

#### ***Will water use fees result from designation?***

**No.** No additional fees of any kind are authorized by designation.

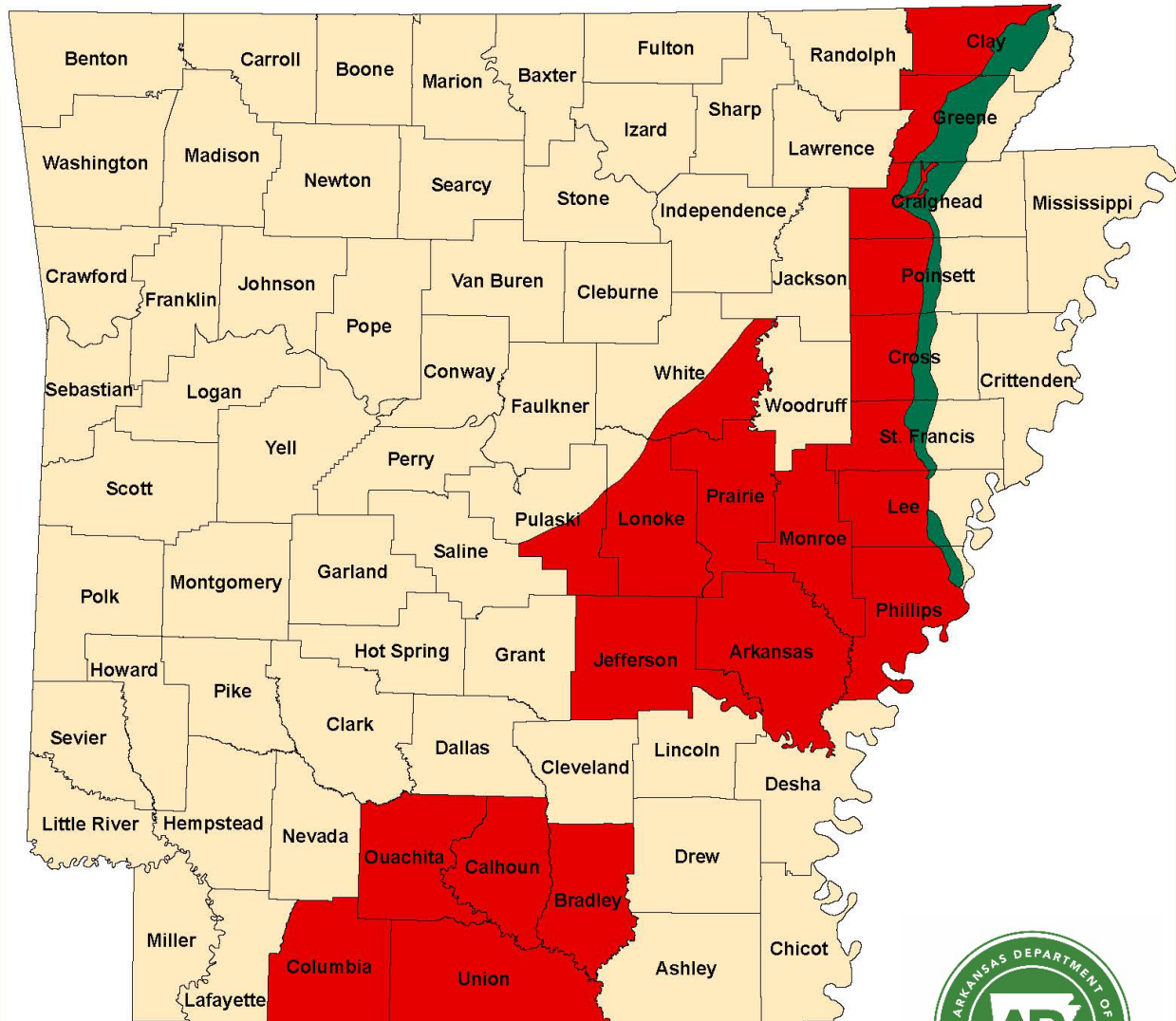
#### ***Will designation require me to install meters on my wells?***

**No.** Critical area designation does not require metering of flows.



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## Critical Groundwater Areas






**South Arkansas for Sparta in 1996**  
**Grand Prairie for Sparta & Alluvial in 1998**  
**Cache for Sparta/Memphis Sand & Alluvial in 2009**  
**Phillips County for Alluvial in 2015**  
**Monroe County for Alluvial & Sparta Aquifers 2019**



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### Legend

-  Crowleys Ridge
-  Current Critical Areas
-  County Boundaries



0 10 20 40 60 80 Miles

