



Association of American State Geologists



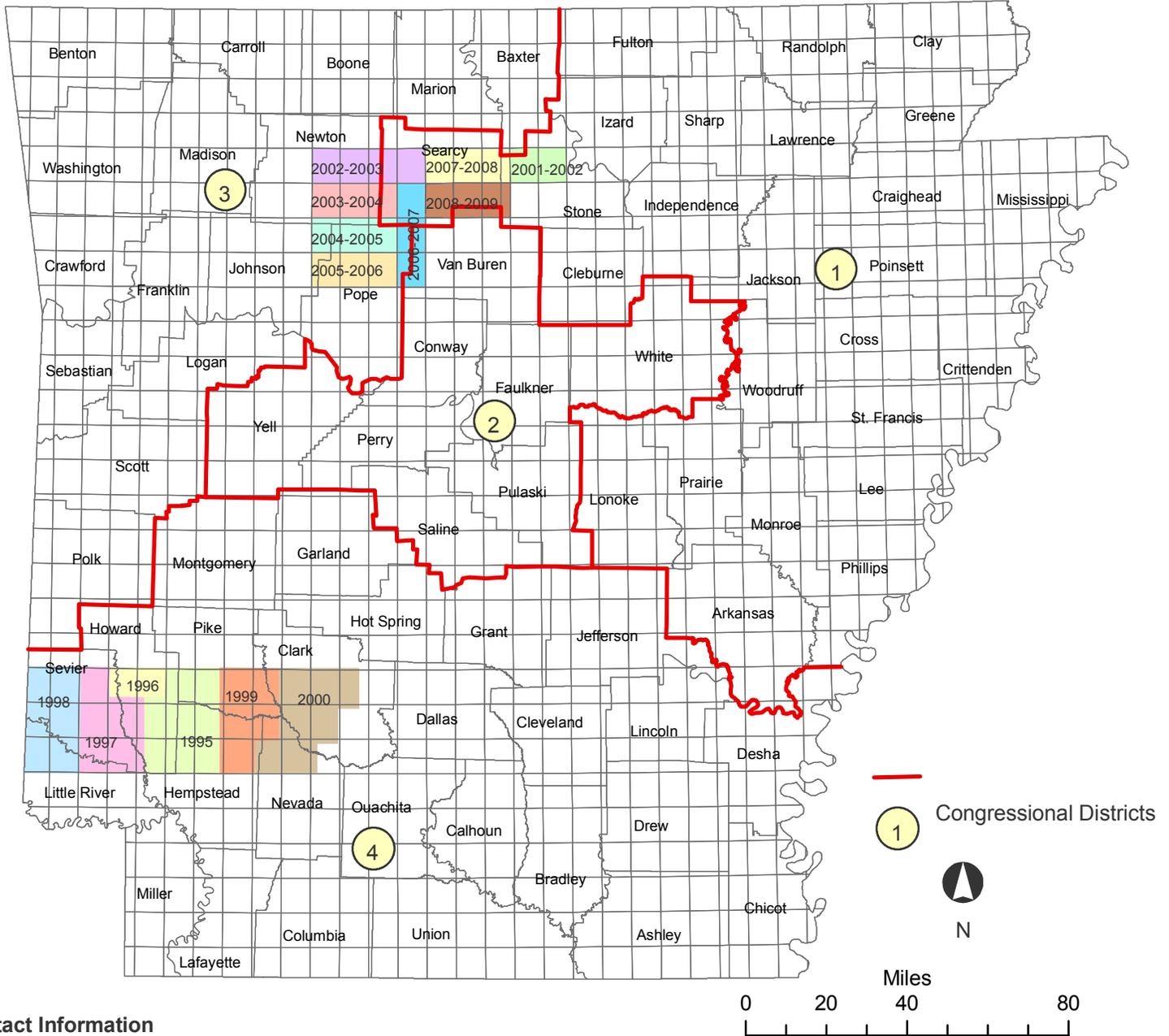
United States Geological Survey



# National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

Areas and years where STATEMAP Projects have taken place.



## Contact Information

**Arkansas Geological Survey**  
 State Geologist: Bekki White (501/296-1877)  
 STATEMAP Contact: Angela Chandler (501/683-0111)  
<http://www.geology.ar.gov>

**U.S.G.S. Geologic Mapping Program Office**  
 Program Coordinators: Peter T. Lyttle (703/648-6943)  
 Associate Program Coordinators: Randall C. Orndorff (703/648-4316)  
 Linda Jacobsen (703/648-4335)

**SUMMARY OF STATEMAP  
GEOLOGIC MAPPING PROGRAM IN ARKANSAS**

<b>Year</b>	<b>Project Title</b>	<b>State Dollars</b>	<b>Federal Dollars</b>	<b>Total Project Dollars</b>
1995-96	Murfreesboro, Nathan, Nashville, McCaskill, Mineral Springs North, Mineral Springs South, Columbus, and Washington 7.5-min Quadrangles	\$33,987	\$25,000	\$58,987
1996-97	Center Point and Dierks 7.5-min Quadrangles	\$13,037	\$10,000	\$23,037
1997-98	Geneva, Lockesburg, Silver Ridge, Falls Chapel, and Ben Lomond 7.5-min Quadrangles	\$43,410	\$41,210	\$84,620
1998-99	DeQueen, Chapel Hill, Horatio, Cerrogordo, Arkinda, Winthrop 7.5-min Quadrangles	\$40,889	\$40,825	\$81,714
1999-2000	Antoine, Delight, Pisgah, Piney Grove, and Blevins 7.5-min Quadrangles	\$38,327	\$38,311	\$76,638
2000-2001	Arkadelphia, Hollywood, Okolona North, Okolona South, Gurdon, Prescott East, and Prescott West 7.5 Quadrangles	\$42,292	\$38,110	\$80,402
2001-2002	Onia and Fifty-Six 7.5 Quadrangles	\$46,437	\$45,377	\$91,814
2002-2003	Parthenon, Mt. Judea, Eula, and Snowball 7.5-min Quadrangles	\$52,160	\$50,595	\$114,951
2003-2004	Deer, Lurton, and Moore 7.5-min Quadrangles	\$49,760	\$48,865	\$98,625
2004-2005	Fort Douglas, Sand Gap and Smyrna 7.5 min Quadrangles	\$64,138	\$64,138	\$128,276
2005-2006	Treat, Simpson and Solo 7.5 min Quadrangles	\$73,582	\$52,934	\$126,516
2006-2007	Witts Springs, Tilly and Lost Corner 7.5 min Quadrangles	\$92,344	\$81,882	\$174,226
2007-2008	Marshall, Harriet and Landis 7.5 min Quadrangles	\$75,537	\$71,365	\$146,902
	<b>TOTALS</b>	<b>\$665,900</b>	<b>\$608,612</b>	<b>\$1,139,806</b>

The Arkansas Geological Survey is an active participant in the STATEMAP part of the National Cooperative Geological Mapping Program (NCGMP), having participated since 1995. Arkansas recognizes the importance of geological mapping as a tool for decision makers who have a need to understand the nature, composition, and distribution of earth materials.

Geologic mapping has been and is an important information gathering tool. This information is used for informed decision making and for the protection of the state's resources. The more accurate the geologic information is the better developers and planners decision making abilities can be to protect the environment and serve the public equally.

A professor of Geology at the University of Arkansas (Dr. Doy Zachry), has been using several of our published STATEMAP products to conduct stratigraphic research in north-central Arkansas. His interest is the "middle Bloyd sandstone" a prominent sandstone unit within the Morrowan of north Arkansas. This sandstone separates the lower part of the Bloyd Formation from the upper part and is a gas reservoir farther south in the Arkoma Basin. Dr. Zachry believed this unit did not extend into the eastern portions of north-central Arkansas. STATEMAP mapping has extended this unit farther then previously thought and allowed for the quick location of key outcrops to be studied by Dr. Zachry and his students.

Since Arkansas began its participation in the STATEMAP Program, it has completed 54 surficial maps at a scale of 1:24,000. Three more 7.5 minute quadrangles in north-central Arkansas will be completed by July 1, 2008.