



Association of American State Geologists

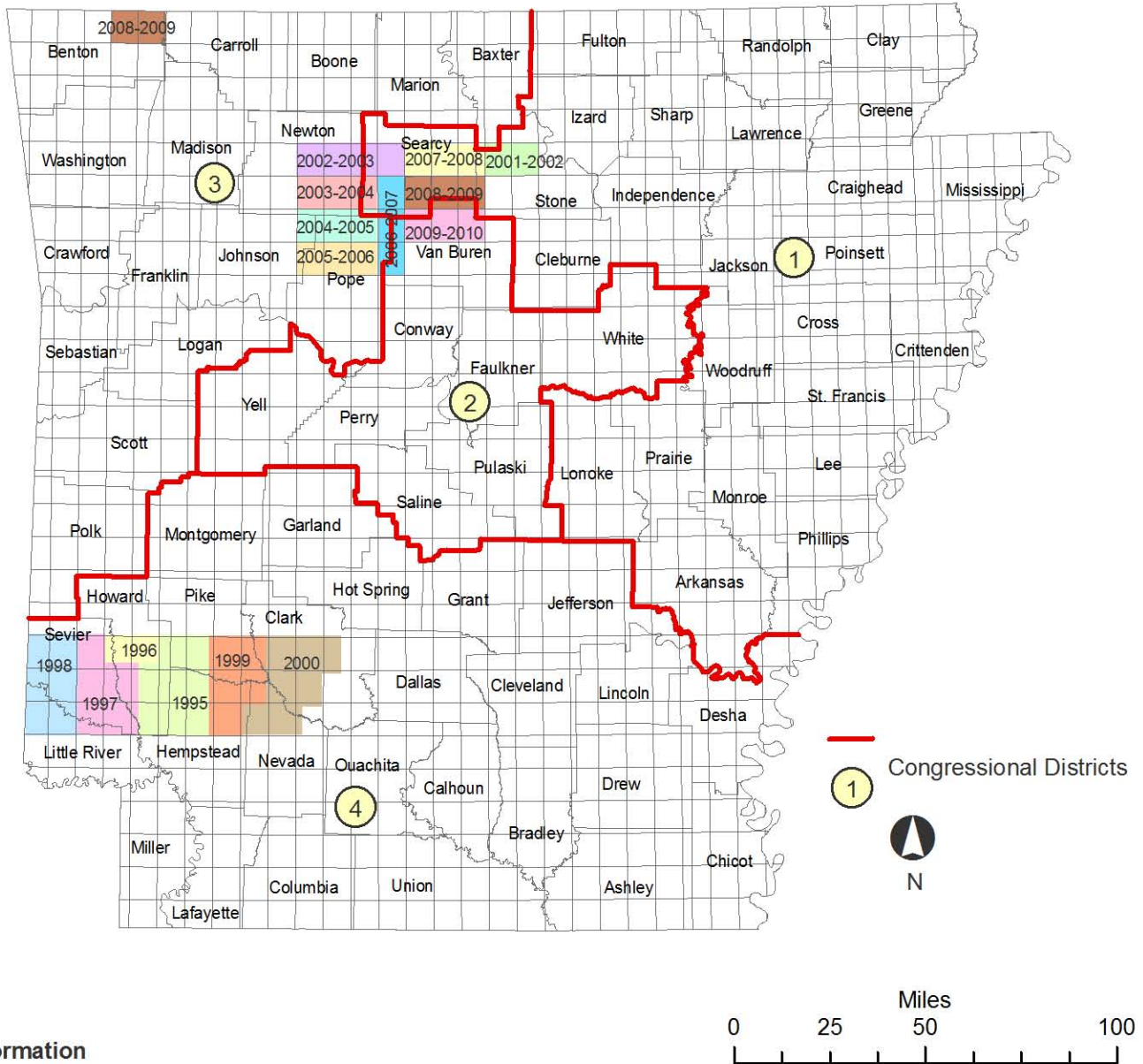


United States Geological Survey



# 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. Lytle (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
	Idabell 1:100,000 quadrangle			
2007-2008	Marshall, Harriet and Landis 7.5 min quadrangles	\$75,537	\$71,365	\$146,902
	Dequeen 1:100,000 quadrangle			
2008-2009	Cannan, Leslie, Oxley, Pea Ridge and Garfield 7.5 min	\$104,705	\$104,704	\$209,409
2009-2010	Alread, Botkinburg and Old Lexington 7.5 min quadrangles	\$64,851	\$64,833	\$129,684
<b>TOTALS</b>		<b>\$788,432</b>	<b>\$743,150</b>	<b>\$1,531,581</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.

The Fayetteville Shale gas play continues to be developed by various energy companies in the northern portion of the Arkansas Arkoma basin. A portion of the Fayetteville Shale outcrop area in north-central Arkansas has been mapped by previous STATEMAP Projects from 2001-2009. Previous and current mapping to the south delineates Morrowan units and provides new fault data not previously available.

Southwestern Energy (SEECO Inc) continues to be a major player in the development of the Fayetteville Shale gas play. Development of wells into previously mapped areas has led geologists with the company to request digital data such as strike and dip and fault data. This data is imported for use with their maps to assist in subsurface orientations of formations.

Since Arkansas began its participation in the STATEMAP Program, it has completed 59 surficial maps at a scale of 1:24,000 and three quadrangles at a 1:100,000 scale. Three more 7.5 minute quadrangles in north-central Arkansas will be completed by July 1, 2010