



Association of American State Geologists



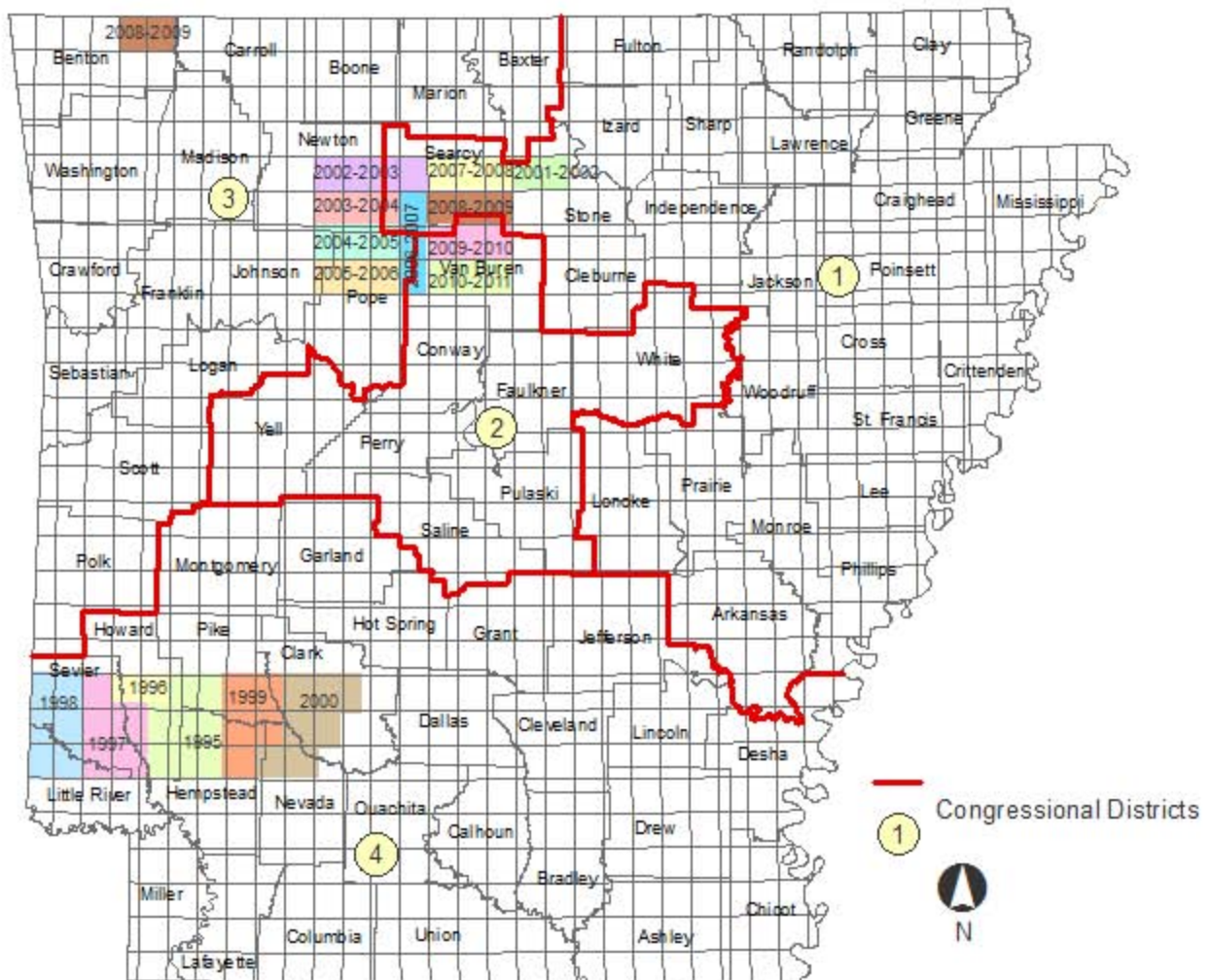
United States Geological Survey



National Cooperative Geologic Mapping Program

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

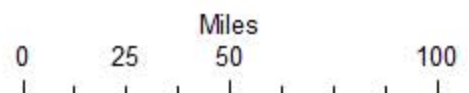
Areas and years where STATEMAP Projects have taken place.



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

Year	Project Title	State Dollars	Federal Dollars	Total Project Dollars
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
TOTALS		\$788,432	\$743,150	\$1,531,581

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.

Our geologic maps are used by geologists in the Wellhead Protection Program at the Arkansas Department of Health (ADH). These geologists provide recommendations for proper well construction methods to ensure good water quality for public municipalities. They are also responsible for making aquifer determinations for each public water supply well in the state. This information is recorded in official EPA databases and is used for other ADH programs mandated by the Safe Drinking Water Act. The geologists routinely use the Geologic Map of Arkansas, Arkansas Geological Survey geologic worksheets and recently published STATEMAP quadrangles to determine surface and subsurface formation at a proposed well site. The Solo quadrangle was particularly useful in delineating Morrowan stratigraphy from the Atoka Formation and providing new strike/dip and fault data. The current 1:24,000 scale mapping for the STATEMAP Program delineates formations that were otherwise grouped on previous geologic maps and worksheets and provides updated geologic data for more precise geologic determinations at well sites.

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, 2011