



Association of American
State Geologists



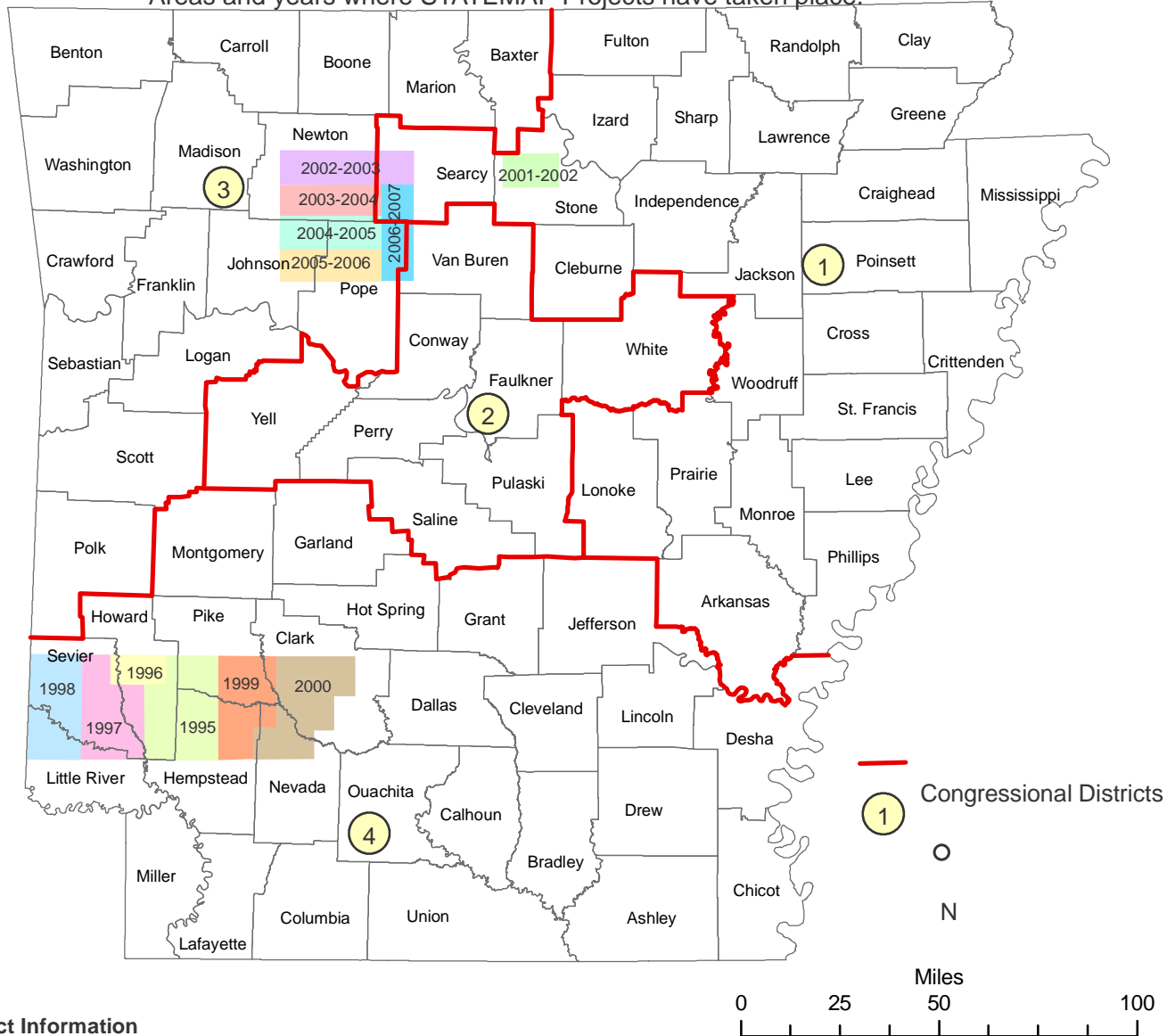
United States
Geological Survey



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
	TOTALS	\$326,312	\$313,293	\$651,801

The Arkansas Geological Commission is an active participant in the STATEMAP part of the National Cooperative Geologic 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 Arkansas Arkoma Basin and Mississippi Embayment of Arkansas. A portion of the Fayetteville Shale outcrop area in north-central Arkansas has been mapped by previous STATEMAP Projects from 2001-2004. Subsequent mapping to the south delineated Morrowan units and provided new fault data not previously available.

Southwestern Energy Company continues to be a major player in the development of the Fayetteville Shale Gas Play. Development of two fields just to the southeast of our mapping area has led SW Energy to explore closer and within the STATEMAP mapping area. As a result SW Energy has requested a copy of all of our previously published STATEMAP maps and is particularly interested in our southernmost maps (Treat, Simpson and Solo) which display new fault data, delineate Morrowan stratigraphy and show a revised Morrowan-Atokan boundary. They are particularly interested in projecting new fault data southward and into the subsurface.

Since Arkansas began its participation in the STATEMAP Program, it has completed 48 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, 2007.