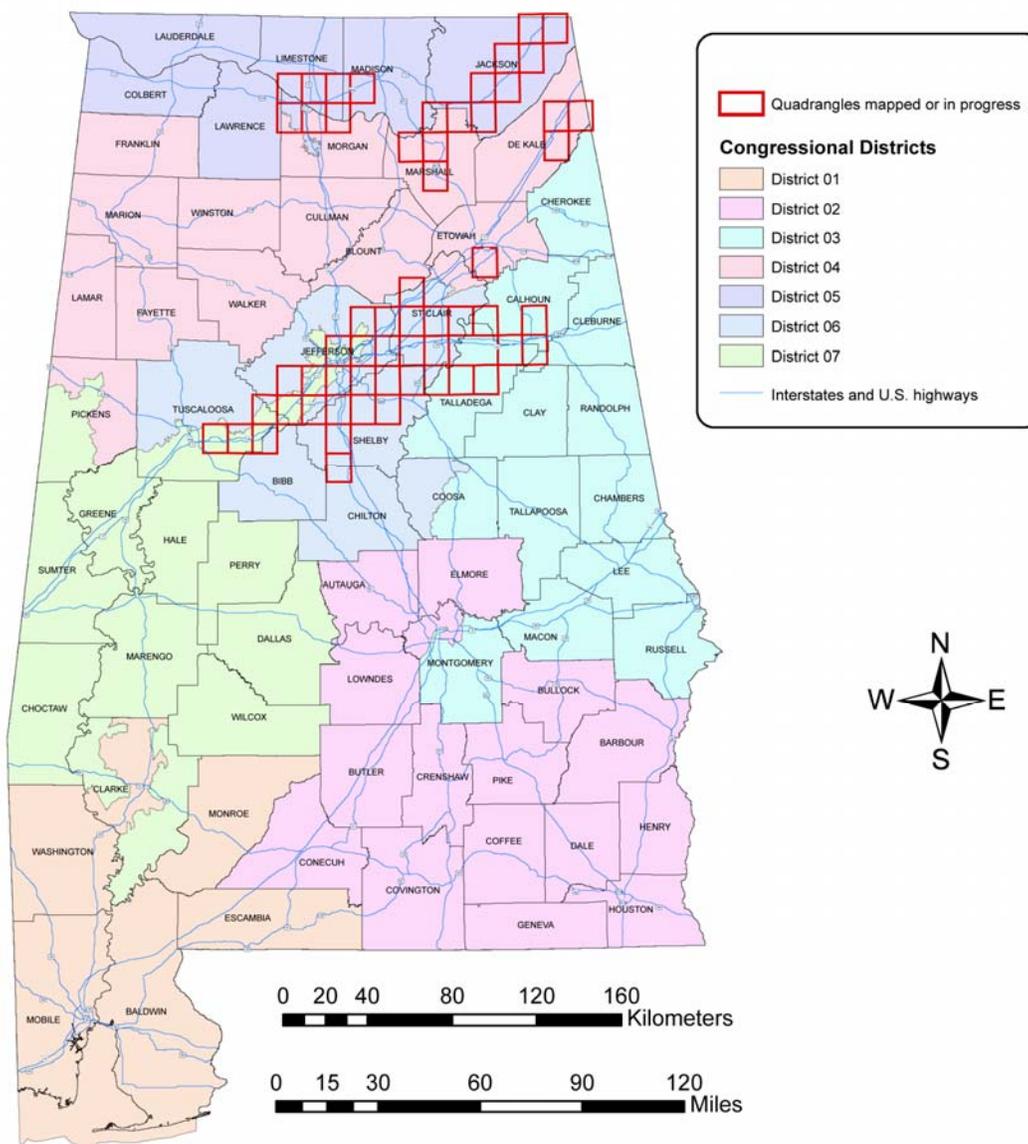


NATIONAL COOPERATIVE GEOLOGIC MAPPING PROGRAM

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



Contact information:

Geological Survey of Alabama
 State Geologist: Berry H. (Nick) Tew, Jr. (205-247-3679)
 STATEMAP Contact:
 W. Edward Osborne (205-247-3540)
<http://www.gsa.state.al.us>

USGS Geologic Mapping Program Office
 Program Coordinator: Peter T. Lyttle (703-648-6943)
 Associate Program Coordinators:
 Randall C. Orndorff (703-648-4316)
 Linda Jacobsen (703-648-4335)
<http://ncgmp.usgs.gov/>

SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN ALABAMA

Federal Fiscal Year	Project Title	Scale	State Dollars	Federal Dollars	Total Project Dollars
1993	Leeds quadrangle	1:24,000	\$20,000	\$20,000	\$40,000
1994	Helena quadrangle	1:24,000	17,608	17,608	35,216
1995	Alabaster and Anniston quadrangles	1:24,000	30,000	30,000	60,000
1996	Anniston area	1:24,000	66,293	66,293	132,586
1997	Tuscaloosa-Birmingham corridor	1:24,000	75,053	75,053	150,106
1998	North Birmingham, Year 1	1:24,000	51,456	51,456	102,912
1999	North Birmingham, Year 2	1:24,000	106,762	106,762	213,524
2000	Shelby County	1:24,000	102,870	102,870	205,740
2001	Honda Plant site and Decatur area, Year 1	1:24,000	127,550	127,550	255,100
2002	Honda Plant site and Decatur area, Year 2	1:24,000	144,853	144,853	289,706
2003	Honda Plant site, Year 3, and Tuscaloosa	1:24,000	85,176	85,176	170,352
2004	I-459 and Fort Payne, Year 1	1:24,000	92,119	92,119	184,238
2005	Fort Payne, Year 2, and Corridor 7 (U.S. Hwy. 72), Year 1	1:24,000	88,486	88,486	176,972
2006	Corridor 7 (U.S. Hwy. 72), Year 2	1:24,000	105,037	105,037	210,074
2007	Corridor 7 (U.S. Hwy. 72), Year 3, and Fort Payne, Year 3	1:24,000	106,595	106,595	213,190
2008	Corridor 7 (U.S. Hwy. 72), Year 4	1:24,000	112,789	112,789	225,578
2009	Corridor 7 (U.S. Hwy. 72), Year 5. and Gadsden, Year 1	1:24,000	117,011	117,011	234,022
	TOTALS		\$1,449,658	\$1,449,658	\$2,899,316

EXAMPLE OF STATEMAP OUTCOME

The Grant quadrangle is within rural parts of Madison, Marshall, and Jackson Counties, Alabama and is underlain by Mississippian and Pennsylvanian sedimentary rocks on the southeast flank of the Nashville dome. To date, only minor urban and industrial growth has occurred in the area. However, in 2000, the Alabama Department of Transportation announced its preferred route for a new interstate highway between Memphis, Tennessee, Huntsville, Alabama, and Atlanta, Georgia; and the route passes through the southern part of the Grant quadrangle. As a result, the demand for construction materials, particularly crushed stone, has increased. A new aggregate quarry has recently been opened in Mississippian limestone just south of the quadrangle and the search for additional aggregate resources is ongoing. Accelerated urban and industrial growth is anticipated as construction of the new interstate proceeds. Mississippian limestone that is prone to karst (sinkhole and cave) development is widespread in the Grant quadrangle, as is Mississippian shale susceptible to the formation of landslides. In order to provide basic geologic data for planning and development of the area, the Geological Survey of Alabama, supported in part by the U.S. Geological Survey's National Cooperative Geologic Mapping Program, recently completed geologic mapping of the Grant quadrangle at the 1:24,000 scale. The published map and accompanying report summarize the investigation and reflect the Geological Survey of Alabama's commitment to producing new geologic maps in areas where basic geologic data are needed to support industrial and urban development.