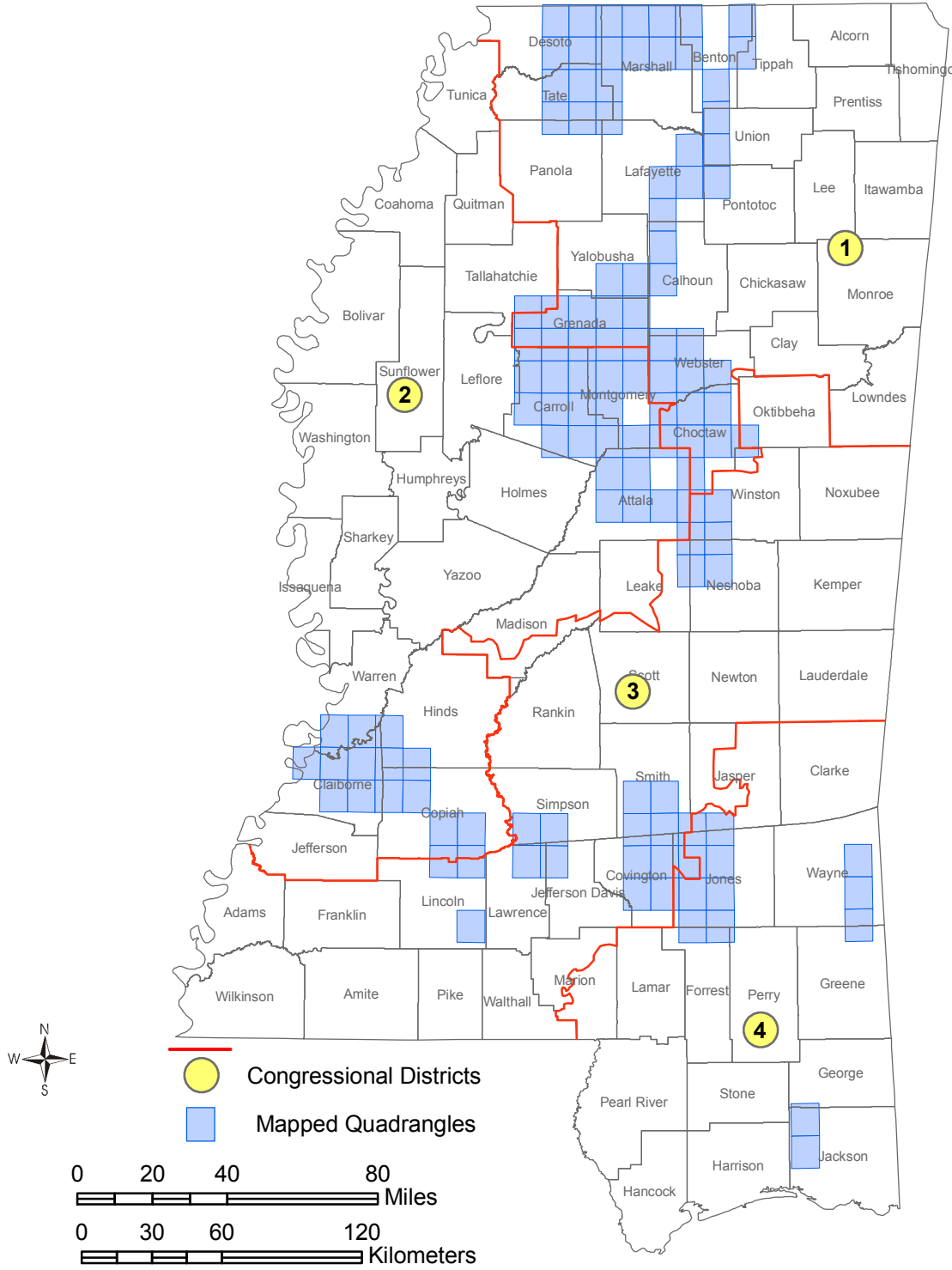


National Cooperative Geologic Mapping Program

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

MISSISSIPPI

2010



Contact Information

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

Federal Fiscal Year	7.5-Minute Quadrangles (1:24,000)	State \$	Fed. \$	Total \$
1994	Latimer and Vestry	\$84,274	\$20,000	\$104,274
1996	Sturgis, Ackerman, Tomnolen, Reform, Stewart, French Camp, Weir, and McCool	\$218,397	\$64,000	\$282,397
1997	Eupora, Bellefontaine, Sapa, Cadaretta, Little Sand Creek, Lodi, Sweatman, and Duck Hill	\$132,009	\$66,461	\$198,470
1998	Grenada, Kincaid, Gore Springs, Coffeeville, Benwood, Skuna, Banner, Paris, and Yocona	\$209,612	\$67,784	\$277,396
1999	Slayden, Lamar, Holly Springs, Holly Springs SE, Camp Hill, Whitten Town, Chilli Creek, and Hickory Flat	\$218,352	\$60,000	\$278,352
2000	Pleasant Hill, Olive Branch, Byhalia NW, Mt. Pleasant, Hernando, Lewisburg, Byhalia, and Red Banks	\$136,071	\$46,833	\$182,904
2001	Puskus Lake, Etta, Denmark, Thaxton, Hazlehurst, Shady Grove, Wesson, and Stronghope	\$184,661	\$103,819	\$288,480
2002	Coldwater, Independence, Wyatte, Senatobia, Looxahoma, Tyro, Utica West, Utica East, Dentville NW, and Dentville	\$176,922	\$113,305	\$290,227
2003	Vaiden, Poplar Creek, Hesterville, Kosciusko NE, Willows, Carlisle, Port Gibson, and Hermanville	\$249,858	\$123,888	\$373,746
2004	McCarley, Eskridge, Bailey Lake, Winona, Schley, Shivers, Monticello NE, and New Hebron	\$207,323	\$127,746	\$335,069
2005	McAdams, Kosciusko, Ethel South, Ethel SE, Louisville SW, Cohay, Center Ridge, Mize, and Taylorsville	\$245,281	\$116,385	\$361,666
2006	Murdock Lake, Peachahala Creek, Yokena, Big Black, Cayuga, and Grand Gulf	\$173,952	\$113,904	\$287,856
2007	Denham, Buckatunna, Knobtown, and Ruth	\$196,972	\$116,160	\$313,132
2008	Browning, North Carrollton, Gravel Hill, Coila, Moselle, Ellisville, Eastabuchie, and Barrontown	\$158,389	\$87,217	\$245,606
2009	Cascilla, Holcomb, Avalon, Jefferson, Tie Plant, Collins, Hot Coffee, Williamsburg, and Seminary	\$148,306	\$95,670	\$243,976
2010	Four Corners, Plattsburg, Edinburg, Pearl River, Soso, Moss, Hebron, and Laurel West	\$169,714	\$101,319	\$271,033
Total	121 7.5-Minute Quadrangle Maps	\$2,910,093	\$1,424,491	\$4,334,584

STATEMAP-funded geologic mapping of 7.5-minute quadrangles at a scale of 1:24,000 has provided important site-specific geologic information for economic mineral resources in Mississippi and for the protection of the state's most valuable natural resource: its fresh ground-water supply. With the exception of two metropolitan areas, the state's public water supplies all tap ground-water resources. Previous STATEMAP geologic quadrangles along the Midway and Wilcox Group outcrop belts of Paleocene and Early Eocene age documented important lignite resources and were used in the geologic sections of permits for the Red Hills Lignite Mine and for the "Notice of Exploration Activities" submitted December 11, 2006, for the proposed lignite mine in Kemper County. The Avalon and Cascilla quadrangles mapped in 2008 contained alluvial fans believed to be an important conduit of the recharge of the Mississippi River Alluvial Aquifer, the state's most prolific ground-water resource. The Grand Gulf quadrangle mapped in 2006 contained a major division between Miocene aquifer systems. The Ruth Quadrangle mapped in 2007 showed Quaternary movement on the Ruth Salt Dome.