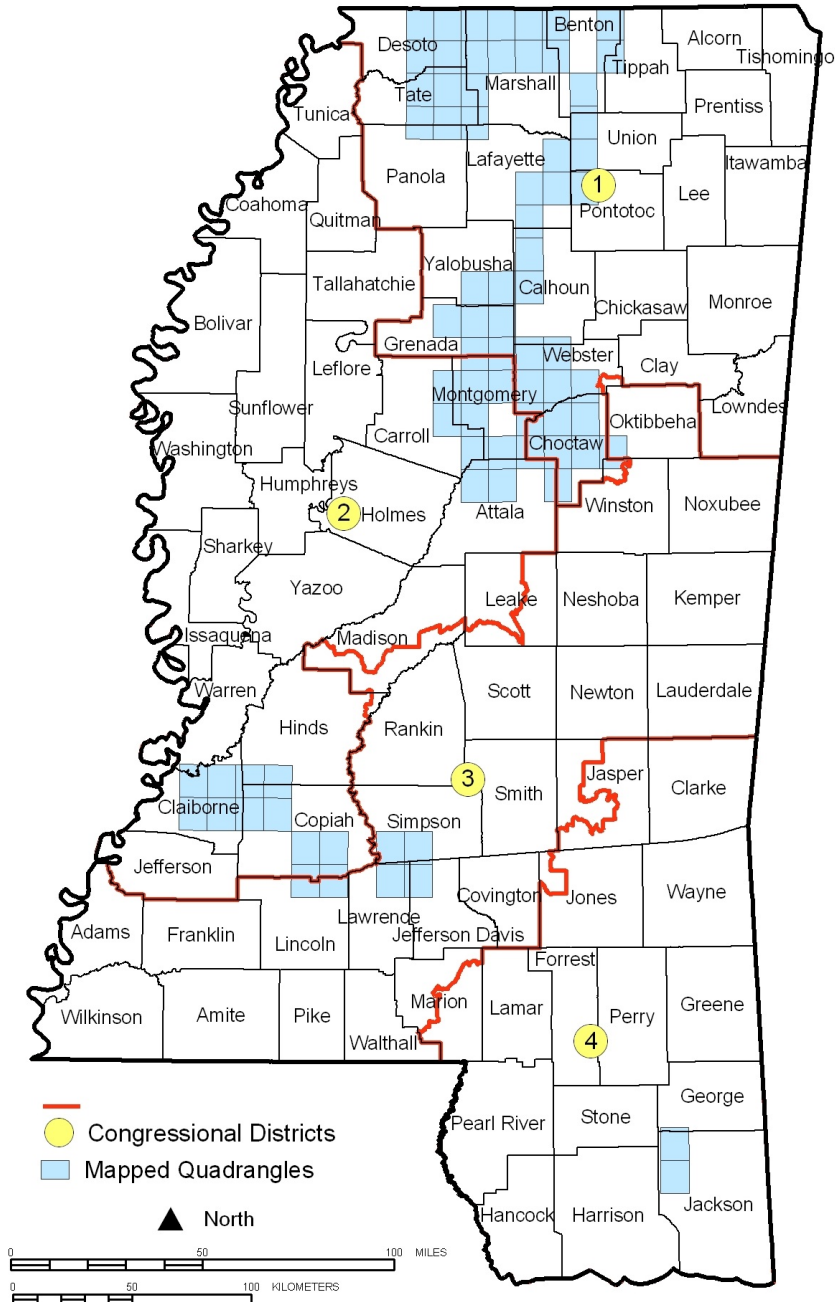




National Cooperative Geologic Mapping Program

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

MISSISSIPPI



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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, Coffeerville, 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
Total	77 Maps	\$1,817,479	\$793,836	\$2,611,315

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. Even so, 66% of the ground water pumped in Mississippi is for irrigation and the state's agriculture industry, and 15% of the ground water pumped is for aquaculture and the state's catfish industry. Geologic quadrangle maps indicate the outcrop belts of formations connected to important aquifers and indicate the aquifer recharge areas. They also show the distributions of clay beds that serve as aquitards, which protect ground-water supplies from surface contamination.

Geologic quadrangles funded by STATEMAP have documented important lignite, clay, sand, and gravel resources in the state. Early work included the mapping of lignite resources in the Midway and Wilcox groups from the Alabama to the Tennessee state line. The recently established Red Hills Lignite Mine in Choctaw County, Mississippi, used STATEMAP quadrangles for the description of its economic lignite seams. STATEMAP quadrangles along the Tennessee line south and southwest of Memphis provide important geologic data in the modeling of ground-water use in a rapidly growing metropolitan area.

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