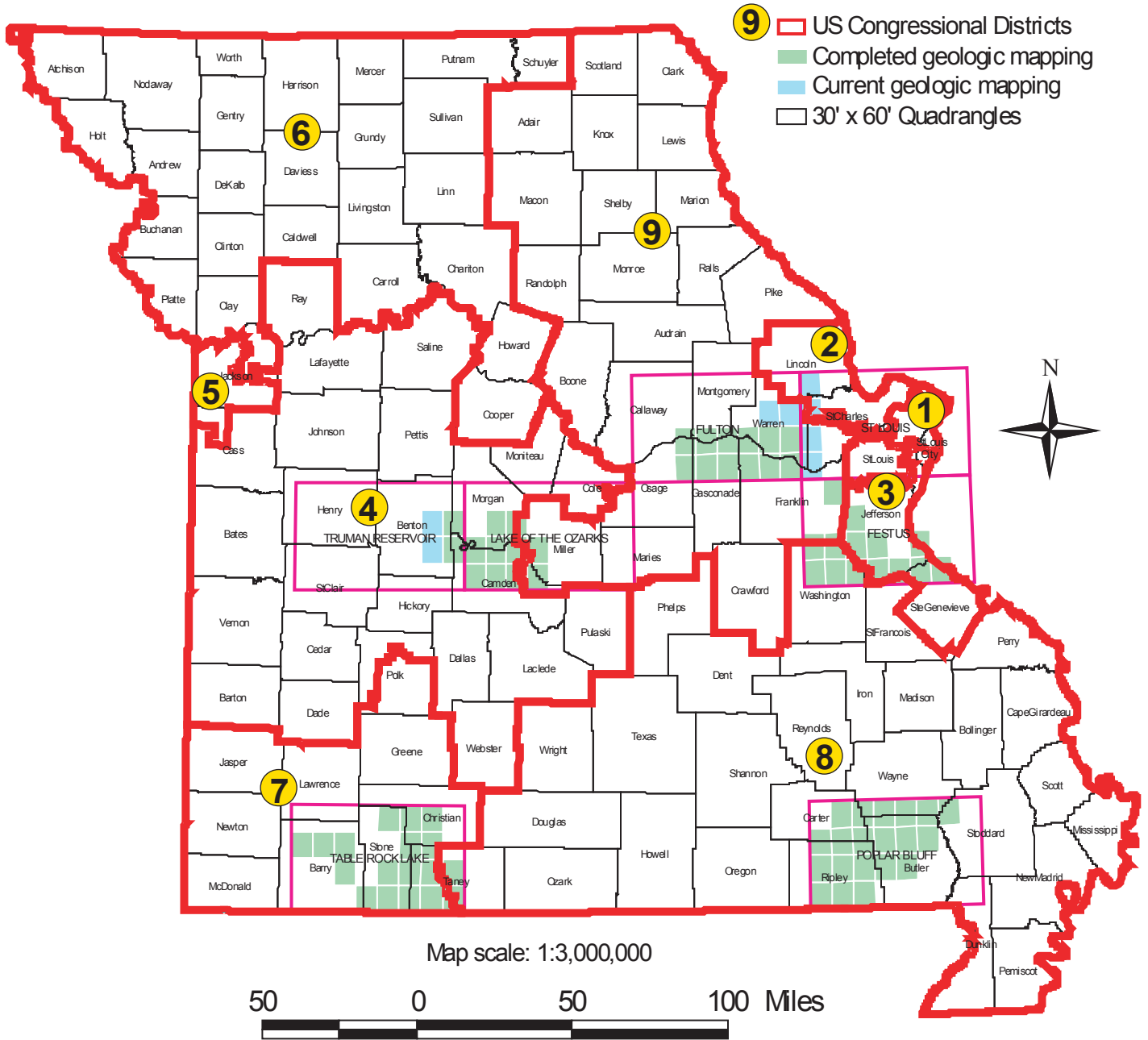




National Cooperative Geologic Mapping Program

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

MISSOURI



Contact information

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STATUS OF STATEMAP GEOLOGIC MAPPING PROGRAM IN MISSOURI

Year	Project Title	Federal Dollars	State Dollars	Total Project Dollars
93-94	Purdy and McDowell 7.5' quadrangles □	\$33,629 □	\$36,629 □	\$ 70,258
94-95	Lampe, Table Rock Dam, and Viola 7.5' quadrangles □	59,316 □	59,316 □	118,632
95-96	Garber and Reeds Spring 7.5' quadrangles □	35,000 □	35,402 □	70,402
96-97	Branson, Hollister, Mincy, Forsyth, and Shell Knob 7.5' quadrangles □	86,775 □	86,801 □	173,576
97-98	Day, Highlandville, Hurley, Jenkins, Selmore, and Spokane 7.5' quadrangles □	101,675 □	101,921 □	203,596 □
98-99	Poplar Bluff 30' x 60' quadrangle including Briar, Doniphan, North, Doniphan South, □ □ Ellsinore, Flatwoods (N1/2), Grandin, Grandin SW, Hogan Hollow, Hunter and □ Poyner 7.5' quadrangles □ Compilation of geologic mapping on Table Rock Lake 30' x 60' quadrangle	100,000 □	100,001 □	200,001
99-00 □	Poplar Bluff 30' x 60' quadrangle including Fairdealing, Flatwoods (S1/2), Harvell, □ □ Hendrickson, Oxly, Poplar Bluff, Puxico, Rombauer, Stringtown, Wappapello, and □ Williamsville 7.5' quadrangles	102,545 □	139,224 □	241,769
00-01 □	Festus 30' x 60' quadrangle including Bloomsdale, Danby, Desoto, Fletcher, Halifax, □ □ Old Mines, Richwoods, Selma, Tiff and Vineland 7.5' quadrangles □ Compilation of geologic mapping on Springfield 30' x 60' quadrangle	130,624 □	130,626 □	261,250
01-02 □	Festus 30' x 60' quadrangle including Cedar Hill, Cyclone Hollow, Ebo, and Gray □ □ Summit 7.5' quadrangles. □ Lake Ozark Mapping Project including Bagnell, Barnumton, Bollinger Creek, Camdenton, □ Green Bay Terrace, Lake Ozark, Sunrise Beach and Toronto 7.5' quadrangles □ Digitize existing geologic mapping on Festus 30' x 60' quadrangle including Belew □ Creek, Festus, Herculaneum, House Springs, Lonedell, Maxville, Moselle, Oakville, □ Pacific, St. Clair and Valmeyer 7.5' quadrangles	177,608 □	164,608* □	342,216
02-03 □	Fulton Mapping Project including Berger, Dissen, Fredicksburg, Gasconade, □ □ Hermann, Marthasville, Morrison, New Haven, Pershing, Swiss, Treloar, and Washington West 7.5' quadrangles □ Lake of the Ozarks Mapping Project including Boylers Mill, Gravois Mills, Knobby, and Rocky Mount 7.5' quadrangles	227,313 □	227,313 □	454,626
03-04 □	Fulton Mapping Project including Foristell, New Melle, Troy, Warrenton, Wright City, □ □ Washington East 7.5' quadrangles □ Lake of the Ozarks Mapping Project including Edwards and Lakeview Heights □ 7.5' quadrangles □ □ Digitize existing geologic mapping on Table Rock Lake 30' x 60' Quadrangle including □ Branson, Garber, Hollister, Lampe, Mincy, Reeds Spring, Table Rock Dam and Viola □ 7.5' quadrangles.	255,220 □	272,070 □	527,290
	TOTALS □	\$1,309,705 □	\$1,353,911 □	\$2,553,616

□ * Does not include any match for potential supplemental grants.

The Missouri Geological Survey and Resource Assessment Division (GSRAD) is an active participant in the STATEMAP part of the National Cooperative Geologic Mapping Program (NCGMP), having participated since STATEMAP's inception in 1993. Missouri recognizes the importance of geologic mapping as a tool for land-use planners, emergency-management officials, developers, environmental agencies, mining companies, water-well drillers, and many others who have a need to understand the nature, composition, and distribution of earth materials.

Several areas of rural Missouri have undergone rapid growth in recent years. The unique beauty of the Ozarks has drawn thousands of tourists and new homeowners to the Branson, Springfield, and Lake of the Ozarks regions. The rapid development in these areas taxes natural resources and potentially impacts environmental quality. This has created a need for accurate geological information, and the State has responded by targeting geologic-mapping efforts in these areas. The mapping identifies geologically sensitive areas, such as karst areas that could be particularly susceptible to ground-water contamination. Geologic mapping also identifies areas of high-quality ground-water resources to guide the installation of water wells and identifies potential mineral and aggregate resources to support economic development.

Geologic mapping has also been focused in portions of southeast Missouri where geologic hazards are associated with the New Madrid Seismic Zone. Accurate geologic information is an essential tool in the preparation of earthquake-risk maps for use in the proper siting of new buildings, bridges, waste-disposal facilities, and dams. Mapping in both the Poplar Bluff and Festus area has been completed to optimize safe growth and minimize risks from landslides, liquifaction, and sinkhole collapse associated with earthquake hazards.

Since Missouri began its participation in the STATEMAP program, it has completed 76 bedrock and 58 surficial material maps at a scale of 1:24,000. As of July 2003 Missouri began mapping 8 additional quadrangles in areas of rapid development on the Fulton and Lake of the Ozarks mapping projects. During its eleven-year involvement in the STATEMAP program, Missouri has received \$1,309,705 in Federal dollars that were matched with additional State funds. With continued cooperative effort between the United States Geological Survey and the Missouri Department of Natural Resources, the state will have reliable geologic-mapping information to assist decision makers with difficult resource choices and planning efforts.