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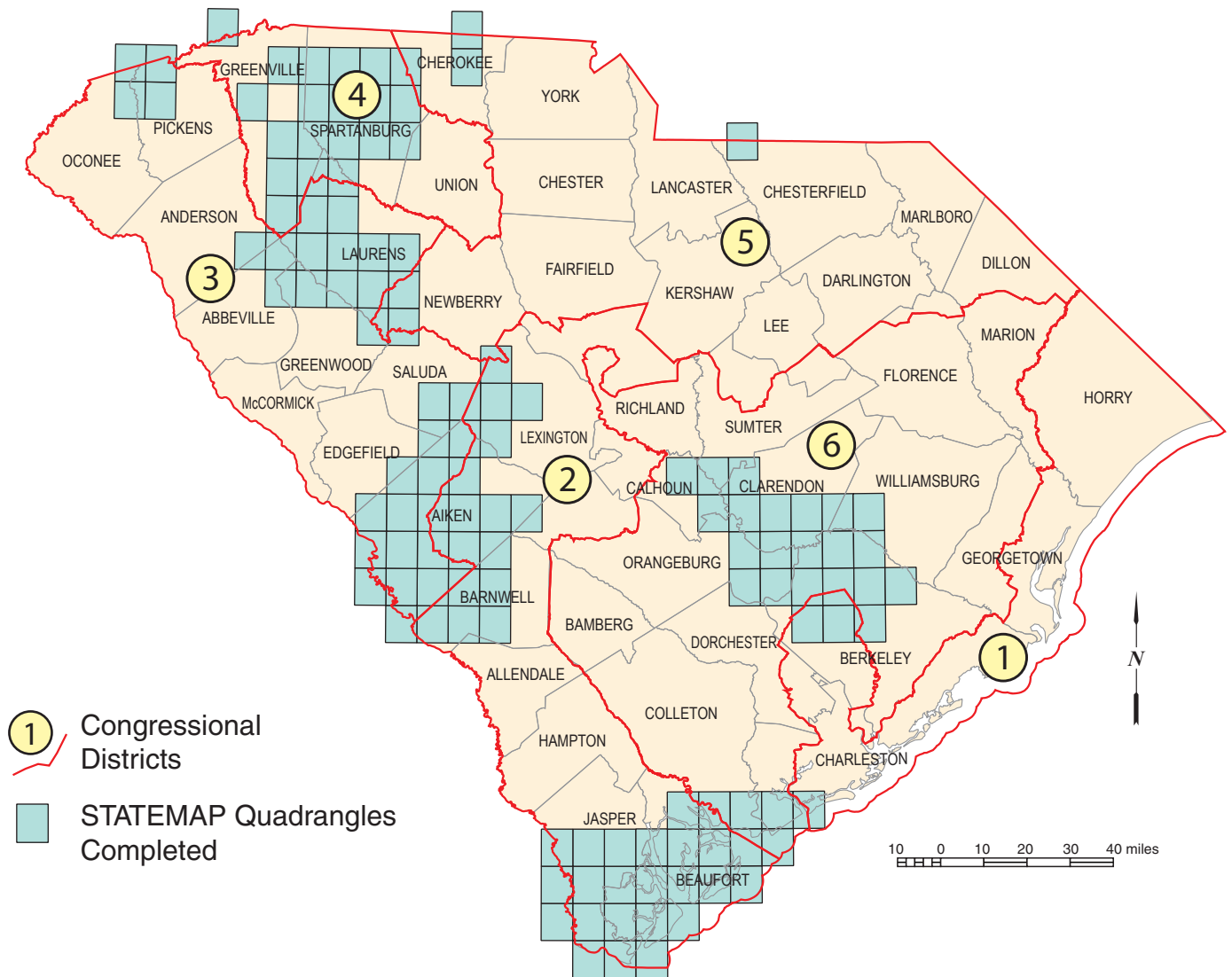


United States Geological Survey   
science for a changing world

# National Cooperative Geologic Mapping Program

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

## SOUTH CAROLINA



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## Summary of STATEMAP Geologic Mapping Program in SOUTH CAROLINA

FFY	7.5-minute Quadrangles Mapped	State Dollars	Federal Dollars	Total Dollars
1993	Ware Shoals East	\$18,000.00	\$18,000.00	\$36,000.00
1994	Laurens South, Clinton, Cross Hill	\$25,000.00	\$25,000.00	\$50,000.00
1995	Dyson, Cokesbury, Waterloo, Bush River, Joanna	\$15,000.00	\$15,000.00	\$30,000.00
1996	Laurens North, Chappells, Shoals Junction	\$116,000.00	\$116,000.00	\$232,000.00
1997	Paris Mountain, Pelham, Inman, Valley Falls, Wellford, Reidville, Lone Star, Fort Motte, Pinewood, Saint Paul	\$110,372.00	\$110,372.00	\$220,744.00
1998	Tigerville, Greer, Campobello, Fountain Inn, Elloree, Summerton, Pageland (SC)	\$87,570.00	\$87,570.00	\$175,140.00
1999	Edisto Beach, Edisto Island, St. Helena Sound (N 1/2), Fork Shoals, Woodruff, Hickory Tavern	\$107,959.00	\$102,000.00	\$209,959.00
2000	St. Helena Sound (S 1/2), Frogmore, St. Phillips Island, Fripps Inlet, Parris Island (E 1/2), Pacolet, Cowpens, Moore, Mauldin	\$139,313.00	\$114,197.00	\$253,510.00
2001	Bluffton, Spring Island, Parris Island (W 1/2), Jasper, Glenn Springs, Moore*	\$160,804.00	\$160,742.00	\$321,546.00
2002	Pritchardville, Hilton Head, Tybee Island North, Fort Pulaski, Savannah, Spartanburg, Simpsonville, ( <i>revised for 100k compilation: Cowpens*, Pacolet*, Moore*, Reidville*, Pelham*, Fountain Inn*, Fork Shoals*</i> )	\$200,540.00	\$200,000.00	\$400,540.00
2003	Honea Path, Ware Shoals West, Mauldin, Beaufort, Bennetts Point, Wiggins, Dale, Jordan, Ware Shoals East*, Hickory Tavern*, Woodruff*, Greer*, Frogmore*, Edisto Island*, Edisto Beach*, St. Helena Sound*, Lonestar*, Elloree*, Fort Motte*	\$230,358.00	\$230,358.00	\$460,716.00
2004	Eastatoe Gap (S 1/2), Sunset (N 1/2), Salem (N 1/2), Limehouse, Hardeeville, Port Wentworth (E 1/2), Rincon (E 1/2), Butlers Bay, Pineville, Blacksburg South)	\$231,692.00	\$228,584.00	\$460,276.00
2005	Lake Murray West, Foxtown, Ridge Spring, Monetta, Steedman, Greeleyville, St. Stephens, Eadytown, Reid, Trenton*, Aiken NW*, Standingstone Mountain*	\$222,716.00	\$222,716.00	\$445,432.00
2006	Aiken, Batesburg, Gilbert, Barr Lake, Bonneau, Cross, Chicora, Alvin, Rockville, Augusta East*, Hollow Creek*, New Ellenton*, Windsor*, Williston*	\$208,627.00	\$208,627.00	\$417,254.00
2007	Holly Hill, Sandridge, Vance, Eutawville, Emory, North Augusta, Graniteville, Oakwood, Mechanic Hill*, Jackson*, New Ellenton SW*, New Ellenton SE*, Long Branch*, Shell Bluff Landing*, Girard NW*, Girard NE*, Snelling*	\$226,172.00	\$226,172.00	\$452,344.00
2008	Hardeeville NW, Tillman, Ridgeland, Laurel Bay, Summerville NW, Moncks Corner, Cordesville, Kitchings Mill, Salley	\$211,765.00	\$211,765.00	\$423,530.00
<b>TOTALS</b>		<b>\$2,311,888.00</b>	<b>\$2,277,103.00</b>	<b>\$4,588,991.00</b>

\*STATEMAP funded digitization of an existing map

The purpose of the South Carolina Department of Natural Resources, Geological Survey (SCGS) is to encourage economic development through the dissemination of information. By placing emphasis on the socio-economic needs for new geologic information, the STATEMAP component of the National Cooperative Geologic Mapping Program compliments the legislatively mandated duties of the SCGS. SCGS duties include geologic reconnaissance, mapping, and gathering of surface and subsurface data, as well as the publication of the information. STATEMAP awards allow Federal dollars to be used by the SCGS to address socio-economic needs for geologic information on the county and local level. The primary use of the information is for making informed data-based decisions about land-use.

Expansion of mapping into the Coastal Plain over the past 12 years has provided the first, detailed 1:24,000-scale maps of many areas. By end of 2008, the Lake Marion-Lake Moultrie area will have been completely mapped. Mapping in this area started in 1996 when the Pinewood toxic dump site in Lone Star quadrangle, Sumter County was mapped. Almost all of Aiken County has been mapped. The south coast from Rockville to the mouth of the Savannah River, and landward to Hardeeville, also has been completed. All of this mapping addressed environmental protection from a geology perspective. In the Piedmont, the Mountain Bridge compilation that covers the Jocassee Gorges also will be available by the end of 2008.

The benefits of STATEMAP include the development of digital geologic map products. In such a format, the new information can be used by many diverse interests or for specific purposes without significantly diminishing the value received by all. There continues to be a defined need for a government-based mapping program as it affects the quality of life of individual citizens, as well as the State's economic growth, emergency response, natural resource management, and environmental monitoring. What organization, other than a government agency, could collect, analyze, update, revise, and maintain the information necessary to produce the maps, while not trying to develop a profit? Secondly, STATEMAP has enabled the SCGS to develop a highly professional GIS product refinement program. This program is now producing and distributing a new generation of digital map products with expanded explanations, cross sections, and photographs. It is in the best interest of South Carolina to be involved in STATEMAP because it makes geologic map information widely available at low cost and because the availability of such information maximizes the benefits and opportunities for all citizens and businesses.