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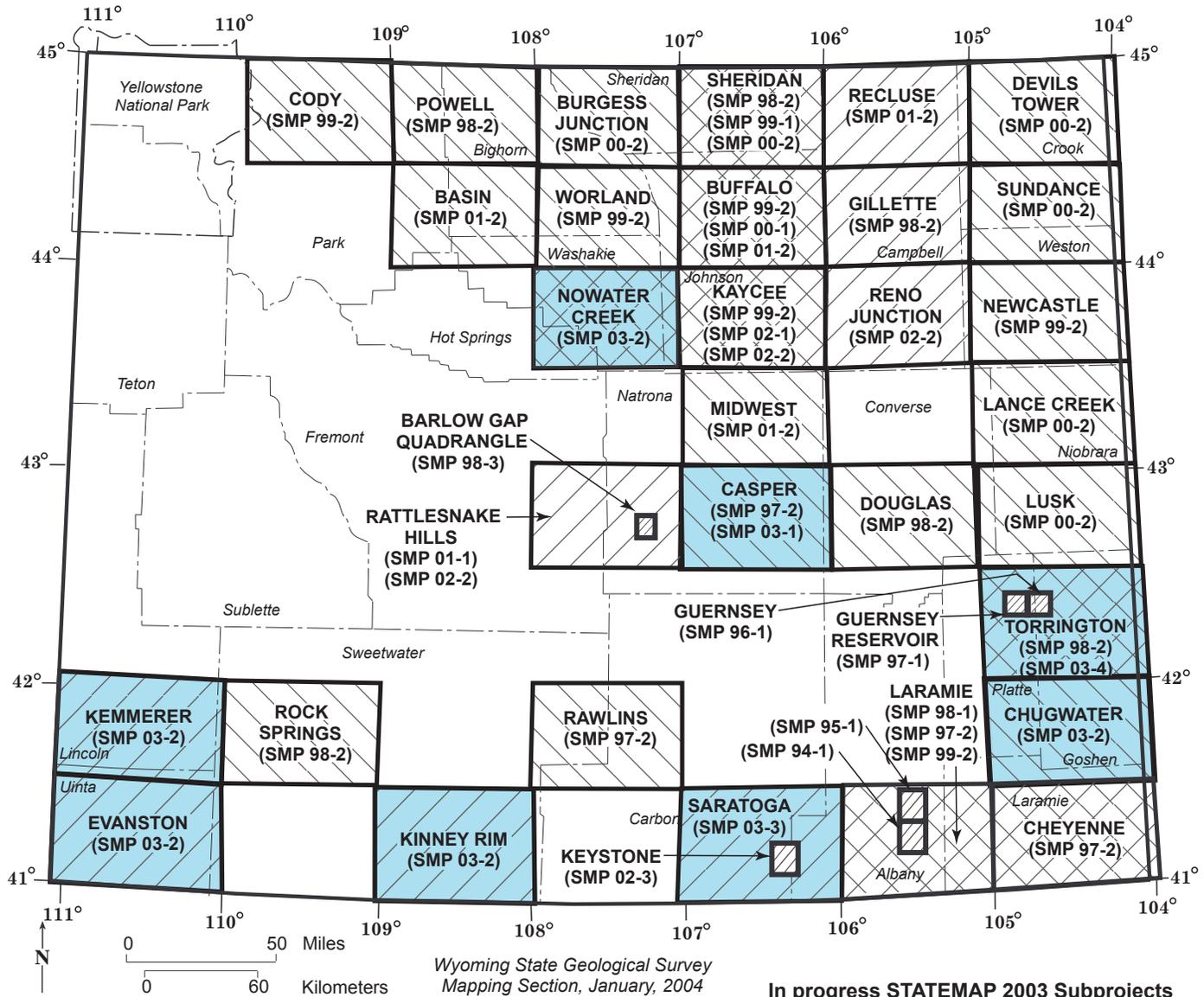
Wyoming State Geological Survey

United States
Geological Survey



National Cooperative Geologic Mapping Program

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



In progress STATEMAP 2003 Subprojects

STATEMAP Funded Projects (FY1995 through FY2003)

- 1:24,000- and 1:100,000-scale geologic maps completed
- In progress 1:100,000-scale maps
- Bedrock geologic maps
- Surficial geologic maps

- SMP 03-1 Casper bedrock
- SMP 03-2 Kinney Rim, Evanston, Kemmerer, and Nowater Creek bedrock; Nowater Creek and Chugwater surficial
- SMP 03-3 Saratoga bedrock
- SMP 03-4 Torrington bedrock

Contact information

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Summary of the STATEMAP-funded geologic mapping program in Wyoming.

Fiscal Year	Project description and map scale	State dollars	Federal dollars	Total project dollars
1995	Geologic map of the Laramie Quadrangle, 1:24,000-scale STATEMAP94	\$12,000	\$12,000	\$24,000
1996	Geologic map of the Howell Quadrangle, 1:24,000-scale STATEMAP95	\$10,000	\$10,000	\$20,000
1997	Geologic map of the Guernsey Quadrangle, 1:24,000-scale STATEMAP96	\$8,499	\$8,499	\$16,998
1998	1-Geologic map of the Guernsey Reservoir Quadrangle, 1:24,000-scale STATEMAP97			
	2-Digital geologic map of the Cheyenne Quadrangle and digital surficial geologic maps of the Casper, Cheyenne, Laramie, and Rawlins Quadrangles, 1:100,000-scale STATEMAP97	\$14,000	\$14,000	\$28,000
		\$17,000	\$17,000	\$34,000
	Total 1998 Funds	\$31,000	\$31,000	\$62,000
1999	1-Geologic map of the Laramie Quadrangle, 1:100,000-scale STATEMAP98	\$18,500	\$18,500	\$37,000
	2-Digital geologic map of the Gillette Quadrangle and surficial geologic maps of the Douglas, Powell, Rock Springs, Sheridan, and Torrington Quadrangles, 1:100,000-scale STATEMAP98	\$20,000	\$20,000	\$40,000
	3-Geologic map of the Barlow Gap Quadrangle, 1:24,000-scale STATEMAP98	\$18,650	\$18,650	\$37,300
	Total 1999 Funds	\$57,150	\$57,150	\$114,300
2000	1-Geologic map of the Sheridan Quadrangle, 1:100,000-scale STATEMAP99	\$19,500	\$19,500	\$39,000
	2-Digital geologic map of the Laramie Quadrangle and digital surficial geologic maps of the Buffalo, Cody, Newcastle, Kaycee, and Worland Quadrangles, 1:100,000-scale STATEMAP99	\$20,000	\$20,000	\$40,000
	Total 2000 Funds	\$39,500	\$39,500	\$79,000
2001	1-Geologic map of the Buffalo Quadrangle, 1:100,000-scale STATEMAP00	\$20,500	\$20,500	\$41,000
	2-Digital geologic map of the Sheridan Quadrangle and digital surficial geologic maps of the Burgess Junction, Devils Tower, Lance Creek, Lusk, and Sundance Quadrangles, 1:100,000-scale STATEMAP00	\$24,500	\$24,500	\$49,000
	Total 2001 Funds	\$45,000	\$45,000	\$90,000
2002	1-Geologic map of the Rattlesnake Hills Quadrangle 1:100,000-scale STATEMAP01	\$24,133	\$24,133	\$48,266
	2-Digital geologic maps of the Buffalo and Recluse Quadrangles and digital surficial geologic maps of the Midwest and Basin Quadrangles 1:100,000-scale STATEMAP01	\$24,796	\$24,796	\$49,592
	3-Entering map data in National Geologic Map Database STATEMAP01	\$6,500	\$6,500	\$13,000
	Total 2002 Funds	\$55,429	\$55,429	\$110,858
2003	1-Geologic map of the Kaycee Quadrangle 1:100,000-scale STATEMAP02	\$23,500	\$23,500	\$47,000
	2-Digital geologic maps of the Kaycee, Reno Junction, and Rattlesnake Hills Quadrangles 1:100,000-scale STATEMAP02	\$18,437	\$18,437	\$36,874
	3-Geologic map of the Keystone Quadrangle 1:24,000-scale STATEMAP02	\$28,976	\$28,976	\$57,952
	Total 2003 Funds	\$70,913	\$70,913	\$141,826
2004	1-Geologic map of the Casper Quadrangle 1:100,000-scale STATEMAP03-in progress	\$21,889	\$21,889	\$43,778
	2-Digital geologic maps of the Kinney Rim, Evanson, Kemmerer, and Nowater Creek quadrangles; digital surficial geologic maps of the Nowater Creek and Chugwater quadrangles 1:100,000-scale STATEMAP03-in progress	\$16,745	\$16,745	\$33,490
	3-Geologic map of the Saratoga Quadrangle 1:100,000-scale STATEMAP03-in progress	\$27,532	\$27,532	\$55,064
	4-Geologic map of the Torrington Quadrangle 1:100,000-scale STATEMAP03-in progress	\$23,892	\$23,892	\$47,784
	Total 2004 Funds	\$90,058	\$90,058	\$180,116
	TOTALS	\$419,549	\$419,549	\$839,098

The STATEMAP Program, part of the National Cooperative Geologic Mapping Program (NCGMP), has significantly expanded and driven the mapping efforts of the Wyoming State Geological Survey (WSGS) over the past seven years. The WSGS completed 40 maps using funding from this program since it began involvement in 1994; an additional 11 maps were completed independent of the program's funding. Nine additional maps are in progress with STATEMAP 2003 funding.

Current STATEMAP-supported mapping priorities established by the WSGS in cooperation with Wyoming Geologic Mapping Advisory Committee include: 1) producing geologic maps to support coalbed-methane exploration/production activities and associated ground-and surface-water protection needs in the Powder River Basin and 2) mapping the more populated areas of the state to provide assistance to city and county planners in siting and land-use planning, as well as providing information to support mineral-and water-resource development.