



Association of American  
State Geologists



UTAH GEOLOGICAL SURVEY  
a division of  
UTAH DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH

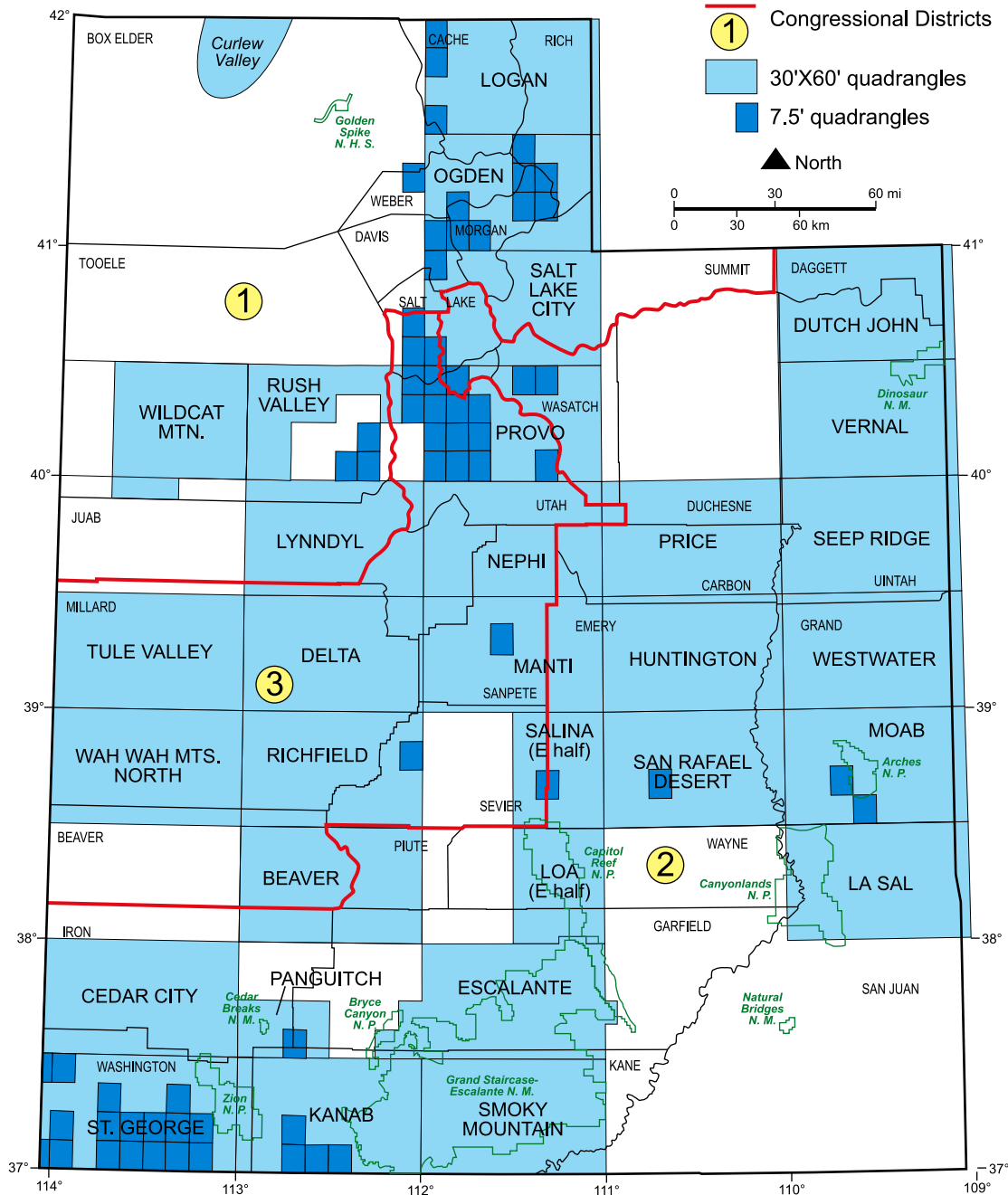
United States  
Geological Survey



# National Cooperative Geologic Mapping Program

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

## UTAH 1993-2008



### Contact information

**Utah Geological Survey**  
Director: Rick Allis (801/537-3301)  
STATEMAP Contact: Grant Willis (801/537-3355)  
<http://www.geology.utah.gov/>

**U.S.G.S. Geologic Mapping Program Office**  
Program Coordinator: Peter T. Lyttle (703/648-6943)  
Associate Coordinators: Randall C. Orndorff (703/648-4316)  
and Linda Jacobsen (703/648-4335)  
<http://ncgmp.usgs.gov>

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

<b>Fed Fiscal Year</b>	<b>Project Title (Quadrangle) 30'x60' quadrangles = 1:100,000 scale 7.5' quadrangles = 1:24,000 scale (county listed)</b>	<b>Federal/State Dollars (50:50)</b>	<b>Total Project Dollars</b>
93	7.5' - Richfield (Sevier), Midvale (Salt Lake)	\$30,000	\$60,000
94	7.5' - St. George and Washington (Washington), Moab (Grand)	\$38,000	\$76,000
95	7.5' - Santa Clara (Washington), Merrimac Butte (Grand)	\$30,000	\$60,000
96	30'x60' - Ogden (pt 1), Smoky Mountain GIS 7.5' - White Hills, Harrisburg Junction (Washington)	\$125,000	\$250,000
97	30'x60' - Ogden (pt 2); Escalante, Kanab, SE Panguitch GIS 7.5' - Hurricane, Washington Dome (Washington)	\$130,102	\$260,204
98	30'x60' - Ogden (pt 3); Delta, Moab, La Sal GIS 7.5' - Horse Ridge, Dairy Ridge, Lost Creek Dam, Francis Canyon, and Peck Canyon (Morgan, Rich); The Divide (Washington); Center Creek (Wasatch)	\$149,044	\$298,088
99	30'x60' - Dutch John (pt 1); Provo (pt 1); Wah Wah Mountains North GIS 7.5' - Pintura (Washington)	\$130,000	\$260,000
00	30'x60' - Dutch J. (pt 2); San Rafael D. (pt 1); Nephi, Tule Valley, Richfield GIS 7.5' - Snow Basin (Weber, Morgan)	\$124,590	\$249,180
01	30'x60' - Dutch John (pt 3), San Rafael Desert (pt 2), Provo (pt 2) 7.5' - Cedar Fort, Saratoga Springs (Utah); Veyo (Washington)	\$146,763	\$293,526
02	30'x60' - Vernal (pt 1); Salina E (pt 1); Provo (pt 3); Cedar C., Manti, Price GIS 7.5' - Lehi, Jordan Narrows (Utah); Little Creek Mountain (Washington)	\$206,774	\$413,547
03	30'x60' - Vernal (pt 2); Salina E (pt 2); Beaver (pt 1); Provo (pt 4); Curlew Valley; Huntington, Westwater GIS 7.5' - Magna, Copperton (Salt Lake); Tickville Spring (Salt Lake, Utah; Virgin (Washington); Morgan, Peterson (Morgan)	\$291,417	\$582,834
04	30'x60' - Vernal (pt 3); Loa E (pt 1); Beaver (pt 2); Provo (pt 5); Lynndyl GIS 7.5' - Charleston (Wasatch); Kaysville (Davis); Plain City (Weber); Durst Mountain (Weber, Morgan); West Mountain Pk, Castle Cliff, Terry Benches (Washington)	\$274,923	\$549,846
05	30'x60' - Loa E (pt 2); Provo (pt 6); St George; Dutch John GIS 7.5' - Spanish Fork, West Mountain, Goshen Valley, Soldiers Pass (Utah); Kanab (Kane); Mt. Pisgah (Cache, Box Elder)	\$226,749	\$453,498
06	30'x60' - Seep Ridge (pt 1); Provo (pt 7); Wildcat Mtn (pt 1); Vernal GIS 7.5' - Provo, Lincoln Point, Springville (Utah); Farmington (Davis); Henrie Knolls (Kane, Iron, Garfield); Thompson Point (Kane); Willow Springs (Emery); Goldstrike (Washington)	\$212,686	\$425,372
07	30'x60' - Seep Ridge (pt 2); Caliente (Ut part); Wildcat Mtn (pt 2); St. George GIS 7.5' - Orem, Pelican Point, and Rays Valley (Utah); Farmington (pt 2) (Davis); Mt. Pisgah (Cache, Box Elder); Mt. Carmel (Kane); Temple Mountain (Emery)	Fed 246,075 Sta 261,345	\$507,420
08	30'x60' - Rush Valley (pt 1); Panguitch (pt 1); Seep Ridge GIS; Provo GIS 7.5' - Vernon, Vernon NE, and Lofgreen (Tooele); Trenton and Newton (Cache); Yellowjacket Canyon (Kane); Ephraim (Sanpete)	\$228,310	\$456,620
<b>TOTALS</b>		<b>\$2,590,433</b>	<b>\$5,196,136</b>

Cooperative funding through the STATEMAP component of the National Cooperative Geologic Mapping Program has enabled the Utah Geological Survey to complete new or digitally compiled geologic maps of about twenty-eight 30'x60' and sixty-seven 7.5' quadrangles since 1993.

Local, state, and federal land management agencies use these new maps to address a variety of issues, including ground-water location and protection, geologic hazards evaluation, resource protection and development, education, and tourism. For example, geologic maps of the St. George basin provided the foundation for a detailed study of the abundant geologic hazards that cause problems for construction in the rapidly growing area. New mapping in the Ogden 30'x60' quadrangle produced a major revision in the interpretation of the subsurface geology in the oil and gas field area of northeastern Utah, resulting in more accurate exploration strategies. New mapping near Lehi and Draper led to modification of roads and housing plans in new developments to avoid major landslides. Mapping in several national and state recreation areas led to new geologic interpretations and improved tourist information.

Jul 2008