



Association of American
State Geologists



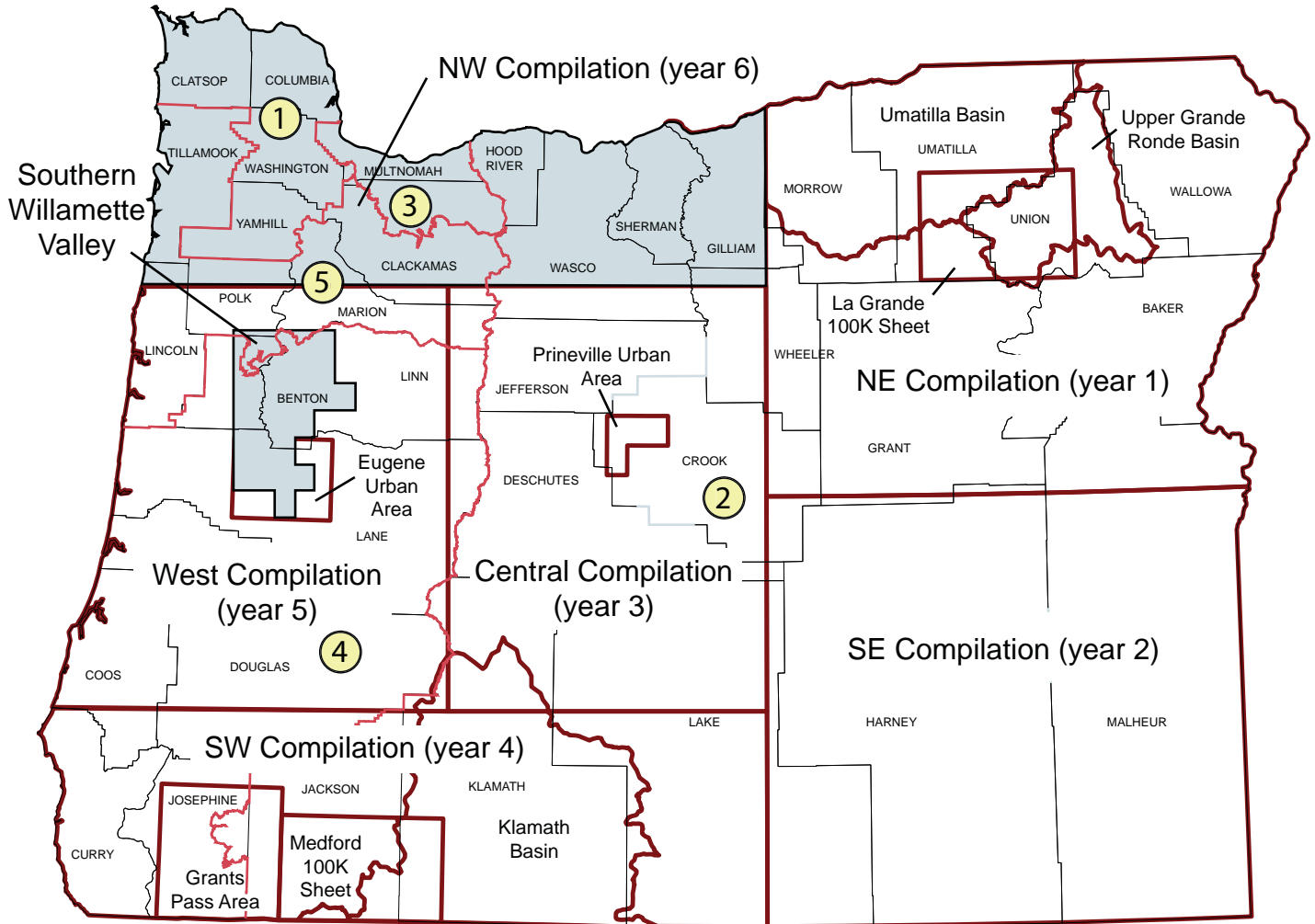
United States
Geological Survey






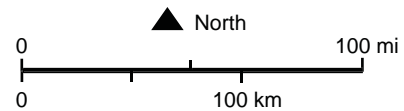
National Cooperative Geologic Mapping Program

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

OREGON



-  Congressional Districts
-  STATEMAP project areas in progress
-  STATEMAP project areas completed



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Summary of STATEMAP Geologic Mapping Program in Oregon

Federal Fiscal Year	Project Title [‡]	State Dollars	Federal Dollars	Total Project Dollars
1993	Medford, Roseburg 100k Sheet	\$110,000	\$39,000	\$149,000
1994	Medford, Roseburg 100k Sheet	\$110,000	\$45,000	\$155,000
1995	Medford, Bend 100k Sheet	\$110,000	\$39,000	\$149,000
1996	La Grande 100k Sheet, Medford 100k Sheet	\$127,000	\$112,000	\$239,000
1997	La Grande 100k Sheet, Medford 100k Sheet	\$139,000	\$112,000	\$251,000
1998	La Grande 100k Sheet, Klamath Basin	\$138,000	\$128,000	\$266,000
1999	Upper Grande Ronde Basin, Klamath Basin	\$212,000	\$145,000	\$357,000
2000	Upper Grande Ronde Basin, Klamath Basin	\$215,000	\$142,000	\$357,000
2001	Upper Grande Ronde Basin, Umatilla Basin (24k), Grants Pass Area (24k)	\$187,000	\$186,000	\$373,000
2002	Upper Grande Ronde Basin, Eugene Urban Area (24k), Umatilla Basin (24k), Grants Pass (24k)	\$187,000	\$187,000	\$374,000
2003	Northeast Oregon Compilation (year 1) Umatilla Basin (24k), Upper Grande Ronde Basin	\$274,000	\$233,000	\$507,000
2004	Southeast Oregon Compilation (year 2) Umatilla Basin (24k), Grants Pass Area (24k)	\$293,000	\$228,000	\$507,000
2005	Central Oregon Compilation (year 3) Prineville Urban Area (24k) , Southern Willamette Valley (24k)	\$214,000	\$207,000	\$421,000
2006	Southwest Oregon Compilation (year 4) Prineville Urban Area (24k), South Coast (24k)	\$348,000	\$222,000	\$570,000
2007	West Oregon Compilation (year 5) Southern Willamette Valley (24k)	\$349,051	\$222,368	\$571,419
2008*	Northwest Oregon Compilation (year 6) Southern Willamette Valley (24k)	\$327,208	\$220,833	\$548,041
	TOTALS	\$3,340,259	\$2,468,201	\$5,794,460

[‡]Project areas not otherwise noted are 100k; * Project to begin June 2008

Oregon STATEMAP fact sheet (2008)

Funding from the STATEMAP portion of the National Cooperative Geologic Mapping Program (NCGMP) has been at the core of the Oregon Department of Geology and Mineral Industries' (DOGAMI) geologic-mapping program for many years. The program has allowed DOGAMI to significantly increase the production of new maps and has, through the Oregon Geologic Mapping Advisory Committee, helped focus mapping on areas where resource- and hazard-management issues require good geologic data. Because so much of Oregon is a frontier state in terms of geologic mapping, DOGAMI's STATEMAP projects typically begin with a year or two of detailed mapping to understand the area's geology, followed by more regional mapping and compilation to provide the kind of coverage that users need.

In FY 2003, we began a six-year program to compile the entire state digitally using STATEMAP funds and funding from the Oregon Geographic Information Council. After the completion of Northwest Oregon's geology, there will finally be a high-resolution, current, and comprehensive statewide GIS-based geologic dataset, the aim of which is to offer the best-available 1:100,000-scale geology. The overall result of the GIS-based geologic compilation will be the progression from applications merely for collection and display of data to the simulation, modeling, and development of

new ground and surface water and mineral resource, and geologic hazard research methods and concepts.

In the Southern Willamette Valley, the focus on the geology is the result of rapidly developing urban areas where detailed mapping is needed to manage growth, mitigate geologic hazards and understand critical ground-water problem. The study area is part of the priority region of the Governor's Willamette River Legacy Initiative, designed to improve water quality in the Willamette River Basin. Modern high resolution geologic maps will provide a coherent stratigraphic framework for geologic and geohydrologic analysis of the Willamette Valley and will serve as guides for urban development by identifying geologic resources and areas susceptible to geologic hazards.

Users of DOGAMI's STATEMAP products attest to their benefits for addressing particular needs: The Oregon Department of Geology and Mineral Industries' (DOGAMI) on-going commitment to provide digital geologic mapping is of great importance and value to managing the land and resources of the National Forests in Oregon. *"The geologists of Oregon's National Forests depend on the geologic mapping of DOGAMI geologists."*