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State Geologists

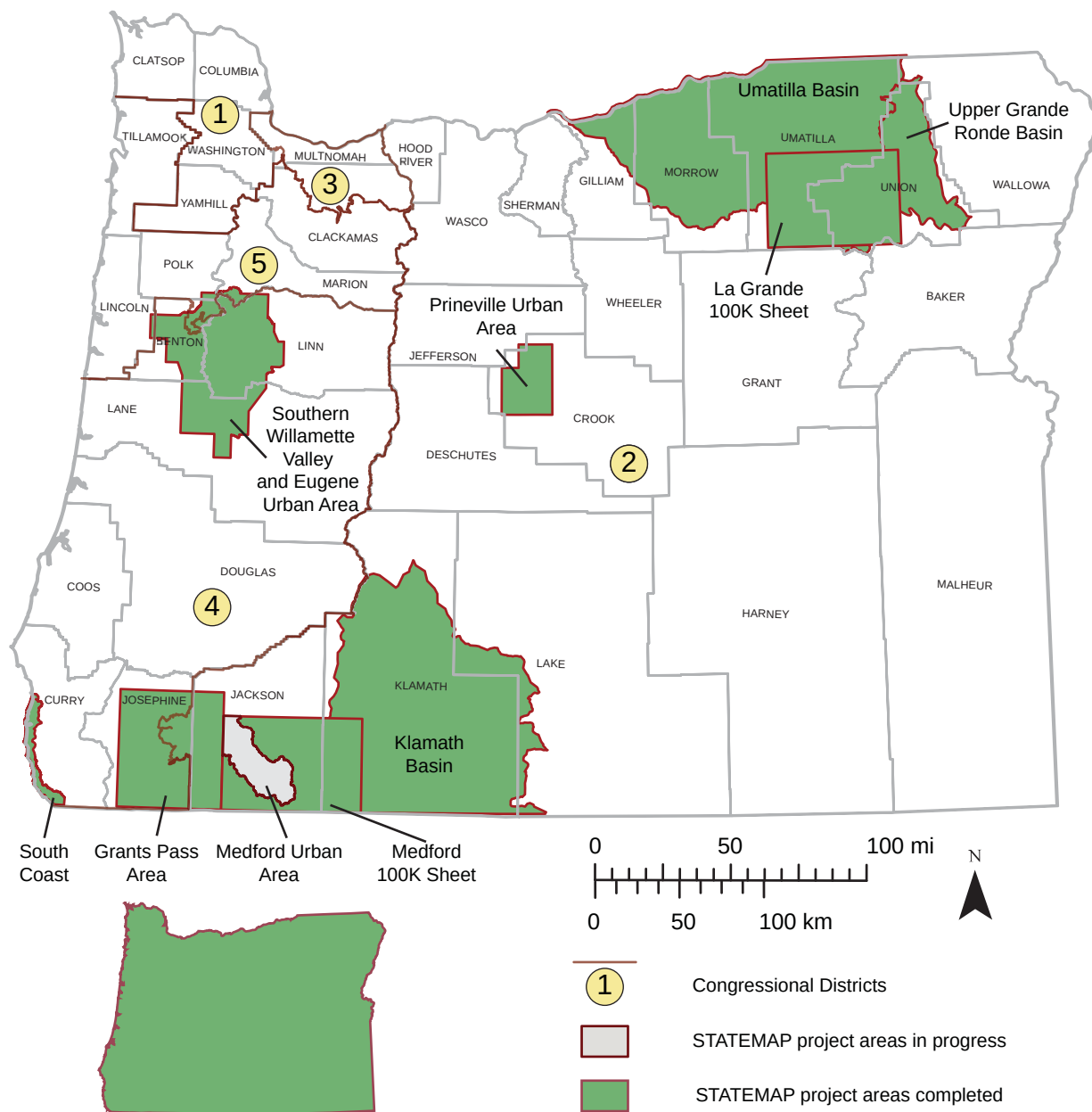


United States
Geological Survey



National Cooperative Geologic Mapping Program

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



Completed statewide 1:100,000-scale Oregon
Geologic Digital Compilation

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Summary of STATEMAP Geologic Mapping Program in Oregon

Federal Fiscal Year	Project Title [‡]	State Dollars	Federal Dollars	Total Project Dollars
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
2009	Southern Willamette Valley (24k) and Compilation	\$828,815	\$223,441	\$1,052,256
2010	*Medford Urban Area	\$289,186	\$221,128	\$510,314
	TOTALS	\$4,348,260	\$2,873,770	\$7,208,030

[‡]Project areas not otherwise noted are 100k; *Project to begin June 2010

Oregon STATEMAP fact sheet (FY2010)

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.

In FY 2008, we completed a six-year program to compile the entire state digitally (Oregon Geologic Data Compilation or OGDC) using STATEMAP funds and funding from the Oregon Geographic Information Council, BLM, and USFS. We now have a current and comprehensive statewide GIS-based geologic dataset which offers the best-available geology for every part of the state.

In the past two years, DOGAMI has acquired large swaths of high resolution lidar data covering more than 85% of the populated area of the state. Lidar dramatically improves the accuracy and completeness of geologic maps. The Southern Willamette Valley project that will be completed in FY2009 is an example of where

DOGAMI intends to go with future geologic mapping projects using high resolution lidar. Our mapping project here will combine new and existing 1:24,000-scale mapping, detailed surficial geologic mapping using high resolution lidar, and integrated subsurface database and surface models derived from an extensive database of water, engineering, and hydrocarbon exploration wells. By building on existing data, developing integrated databases and using existing lidar data we can produce high quality, multi-use geologic products in a very cost-effective way. We intend to prioritize our future STATEMAP projects based on those areas of the state that have lidar coverage and compelling societal issues.

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."*