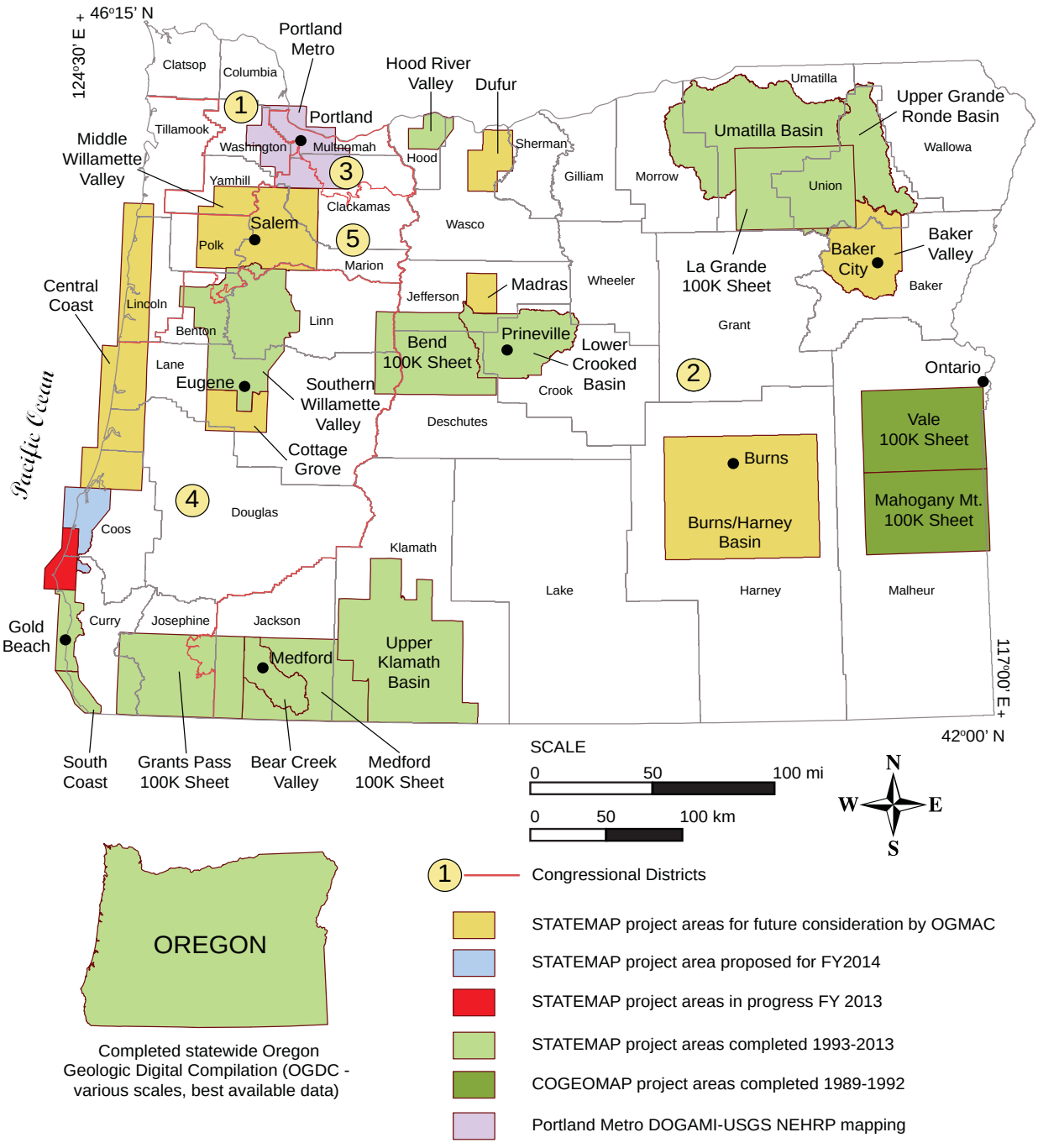
Association of American State Geologists

United States Geological Survey

National Cooperative Geologic Mapping Program

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



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Summary of STATEMAP Geologic Mapping Program in Oregon

Federal Fiscal Year	Project Title	State Dollars	Federal Dollars	Total Project Dollars
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 (24) and Compilation	$228,815	$223,441	$452,256
2010	Bear Creek Valley compilation (63k)	$289,186	$221,128	$510,314
2011	Hood River Valley (24k)	$153,962	$149,458	$303,420
2012	South Coast - Crook Point to Port Orford (24k)	$188,570	$187,070	$375,640
2013	*South Coast - Port Orford to Bandon (24k)	$196,277	$177,231	$373,508
	***TOTALS**	**$4,397,069**	**$3,261,538**	**$7,658,607**

*Totals reflect funding since FY 1993; *South Coast Port Orford-Bandon Project began June 1, 2013*

Oregon STATEMAP fact sheet (FY2013)

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 since 1993. 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 2009, 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.

DOGAMI continues to acquire high resolution lidar data, which now covers more than 95% of the populated areas of the state. Lidar dramatically improves the accuracy and completeness of geologic maps. The recently published southern Willamette Valley, Medford, and Hood River projects are examples of where DOGAMI intends to go with future geologic mapping using high resolution lidar. These projects used lidar to generate new high-resolution bedrock and surficial geologic maps and digital geodatabases at a scale of 1:8,000. 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 now prioritize our future STATEMAP projects based on those areas of the state that have lidar coverage and compelling societal issues.

DOGAMI's on-going commitment to provide digital geologic mapping is of great importance and value, supplying much needed data to Oregon's citizens. Users of DOGAMI's STATEMAP products attest to the benefits of high-resolution geologic mapping:

"The geologic maps produced by DOGAMI provide a comprehensive tool at a meaningful scale for understanding the geometries of local aquifers, determining zones of geologic hazards, and are a cost-effective means of exploring for potential mineral and energy resources in the county."

-Hood River County Board of Commissioners-