



Association of American
State Geologists

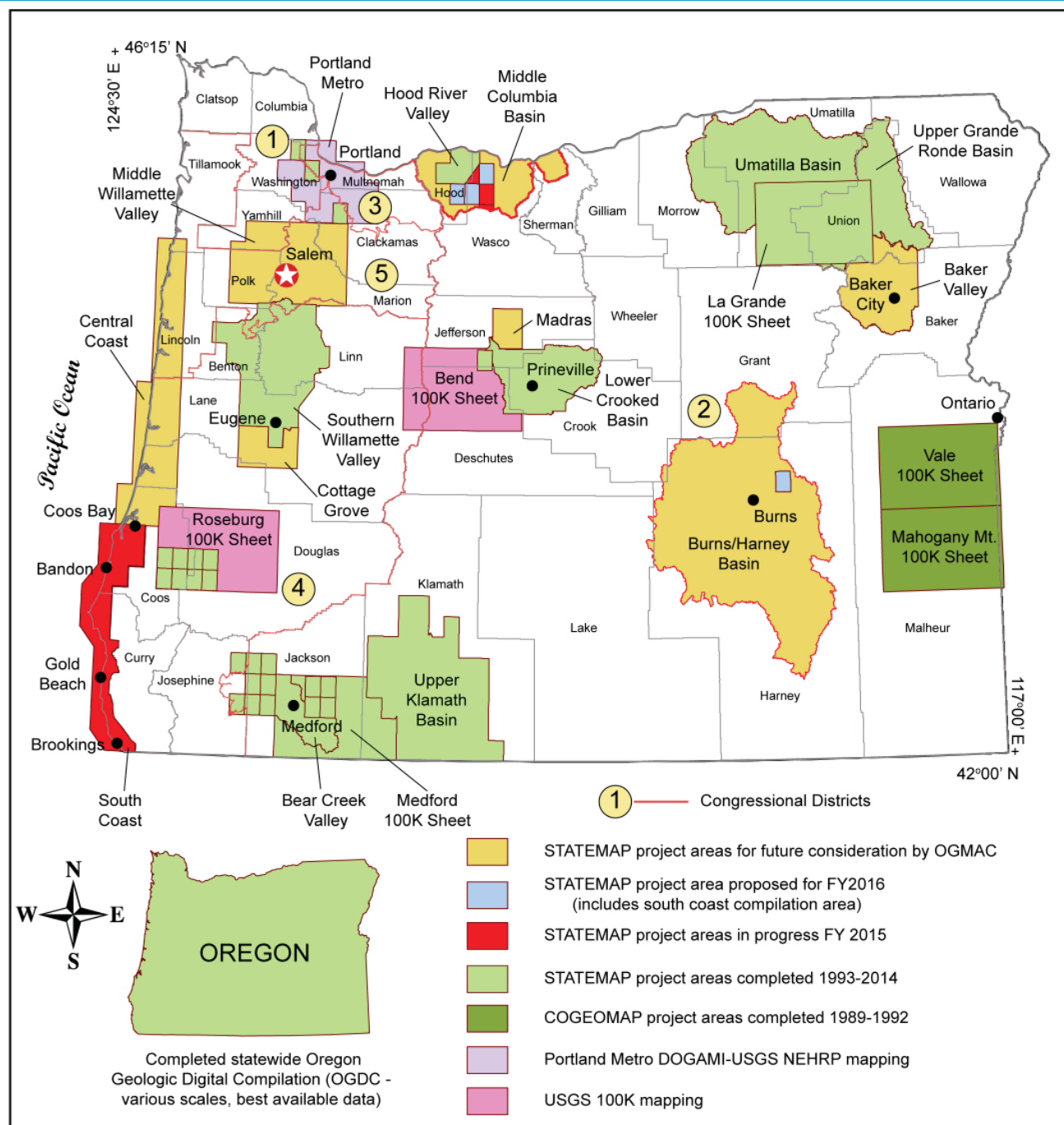


United States
Geological Survey



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
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
2014	South Coast - Bill Peak to Cape Arago (24k)	\$195,129	\$182,714	\$377,843
2015	*South Coast Compilation/Mid Columbia Basin (24k)	\$164,128	\$164,926	\$329,054
	*TOTALS	\$4,757,124	\$3,773,371	\$8,530,495

*Totals reflect funding since FY 1993; *South Coast Compilation/Mid Columbia Basin began June 1, 2015*

Oregon STATEMAP fact sheet (FY2015)

The Oregon Department of Geology and Mineral Industries (DOGAMI) conducts geologic mapping, creates and maintains digital geologic databases, and collects high-resolution aerial lidar in order to characterize the state's geology and to enhance our understanding of the state's geologic resources and hazards. Geologic maps provide important information pertaining to geologic hazards and the distribution, sustainability, and conservation needs of the state's mineral, energy, and water resources. Targeted new mapping updates the geologic framework of the state and places an emphasis on digital map products and derivatives that are accessible and usable by the public.

Since the inception of the STATEMAP program in 1993, this funding source has allowed DOGAMI to significantly increase the production of new geologic maps and has helped focus mapping on areas where resource- and hazard-management issues require good geologic data. For example, DOGAMI has focused previous STATEMAP projects on core areas surrounding La Grande, Prineville, Medford, Hood River, and in the southern Willamette Valley of western Oregon. These studies have improved our understanding of the geology and structure in these areas, and

have been used to delineate landslide and debris flow hazards, to better predict groundwater resources, to aid in highway design and construction, to define geologic resources on public lands, and to aid in watershed assessment. The regular incorporation of lidar bare earth imagery and lidar derived base maps has revolutionized the accuracy and completeness of DOGAMI's geologic maps. By building on existing data and cooperative mapping strategies with the USGS, developing integrated databases, and using lidar data we produce high-quality, multi-use geologic products in a very cost-effective way.

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-
October 2014