



Association of American
State Geologists



United States
Geological Survey

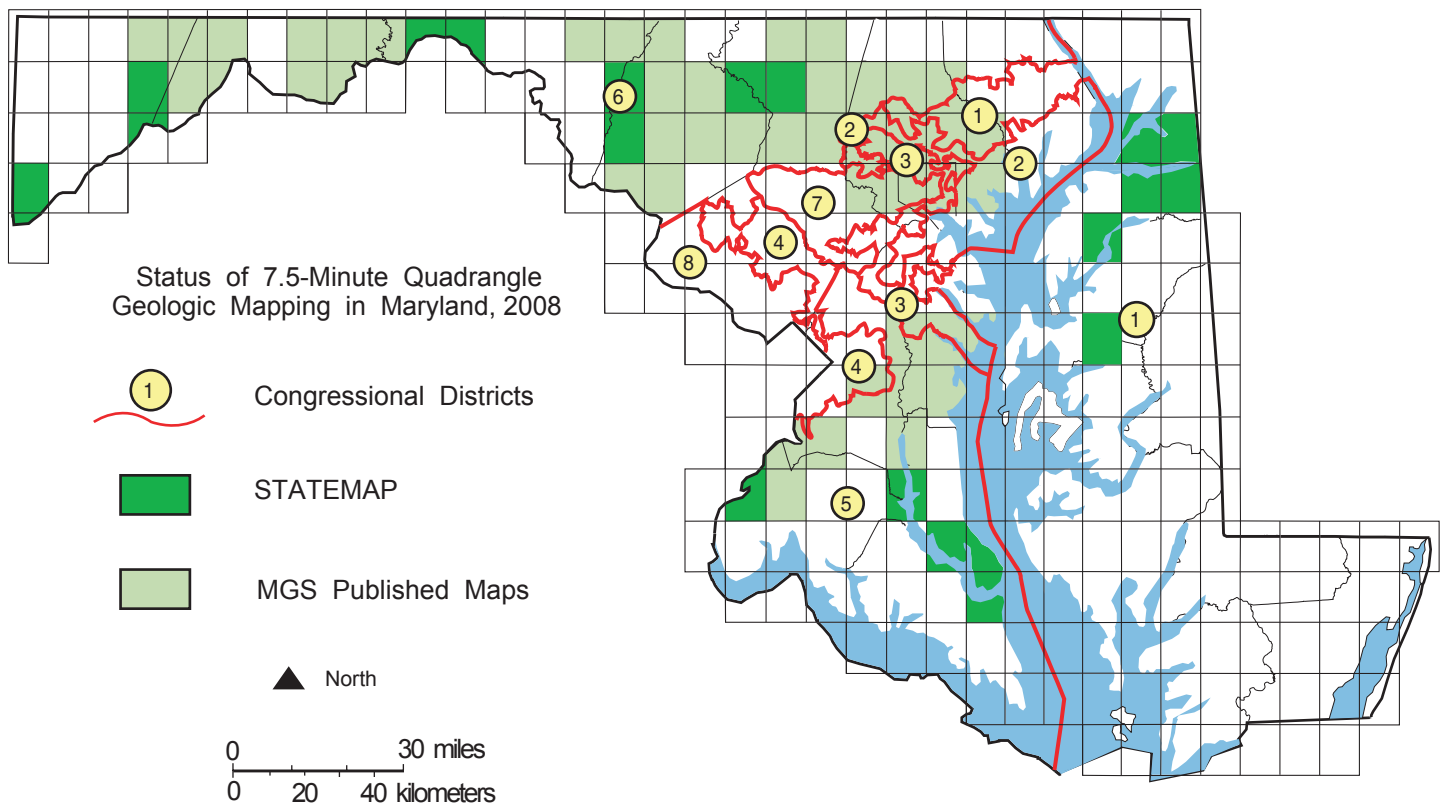


**Maryland Geological Survey
Maryland Department of Natural Resources**

National Cooperative Geologic Mapping Program

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

Maryland



Contact information

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U.S.G.S. Geologic Mapping Program Office

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN MARYLAND

Federal Fiscal Year	Project Title	Federal Dollars	State Dollars	Total Project Dollars
99	Maryland STATEMAP	\$24,900	\$24,900	\$49,800
00	Maryland STATEMAP	0	0	0
01	Maryland STATEMAP	68,380	71,980	140,360
02	Maryland STATEMAP	100,000	122,425	222,425
03	Maryland STATEMAP	39,653	41,448	81,101
04	Maryland STATEMAP	76,208	77,092	153,300
05	Maryland STATEMAP	73,424	76,407	149,831
06	Maryland STATEMAP	82,209	100,259	182,468
07	Maryland STATEMAP	70,690	84,071	152,761
08	Maryland STATEMAP	72,277	93,024	165,291
Totals		607,741	691,606	1,297,377

In FY 2000, the Environmental Geology and Mineral Resources Program implemented a new Maryland Geological Survey (MGS) policy to publish only digital geologic maps. Starting in FY 2001, funding from the STATEMAP part of the National Cooperative Geologic Mapping Program (NCGMP) increased the MGS's ability to produce digital geologic maps, clear a backlog of unpublished quadrangle maps and undertake new geologic mapping.

Rationales for choosing quadrangles for new geologic mapping include providing basic geologic framework analysis that provides the structural and stratigraphic data needed for hydrogeologic and mineral resource assessment studies, mine restoration, power generation station siting, water quality assessments, shoreline erosion, karst terrain studies and other geohazard mapping. Geologic quadrangle mapping also provides information about the physical environment that the plants and animals within Maryland's watersheds depend on, and can provide historic and current information that assists local and state planning agencies, and also help shed light on current issues such as sea level rise and global warming.

From FY 2001 through 2003, STATEMAP supported production of digital geologic maps of the following previously mapped, but unpublished quadrangles: Davis, Table Rock, Barton, and Westernport quadrangles in Western Maryland; Hancock, Cherry Run, and Big Pool quadrangles in the Valley and Ridge Province; Indian Head and Benedict quadrangles in the Coastal Plain of Southern Maryland. In FY 03 STATEMAP also supported production of a revised digital version of the 1978 USGS geologic map of the New Windsor quadrangle in Central Maryland. In FY 04 STATEMAP supported the revision and digitization of the geologic map of the Middletown quadrangle map in western Frederick County, and in FY 05, the digital preparation of a revised version of the geologic map of the Union Bridge quadrangle in Frederick and Carroll Counties.

From FY 02 through the FY 07, STATEMAP funds were also used for new geologic mapping of Coastal Plain quadrangles on the upper part of Maryland's Eastern Shore in Cecil, Kent and Queen Anne's Counties. Quadrangles mapped as part of this effort are Earleville and the eastern part of Spesutie in FY 02 and FY 03, Cecilton in FY04, Galena in FY05, Millington in FY06, and Chestertown in FY07. In FY08 STATEMAP funds are supporting mapping of the Wye Mills quadrangle in Talbot and Queen Anne's Counties. Mapping of these quadrangles will be used to produce a revised regional map of the surface and subsurface geology of Maryland's upper Eastern Shore. Also in FY08 STATEMAP funds are being used to support the revision and production of a digital bedrock and surficial geologic maps of the Myersville quadrangle in Frederick and Washington Counties, Maryland.