



Association of American
State Geologists



United States
Geological Survey

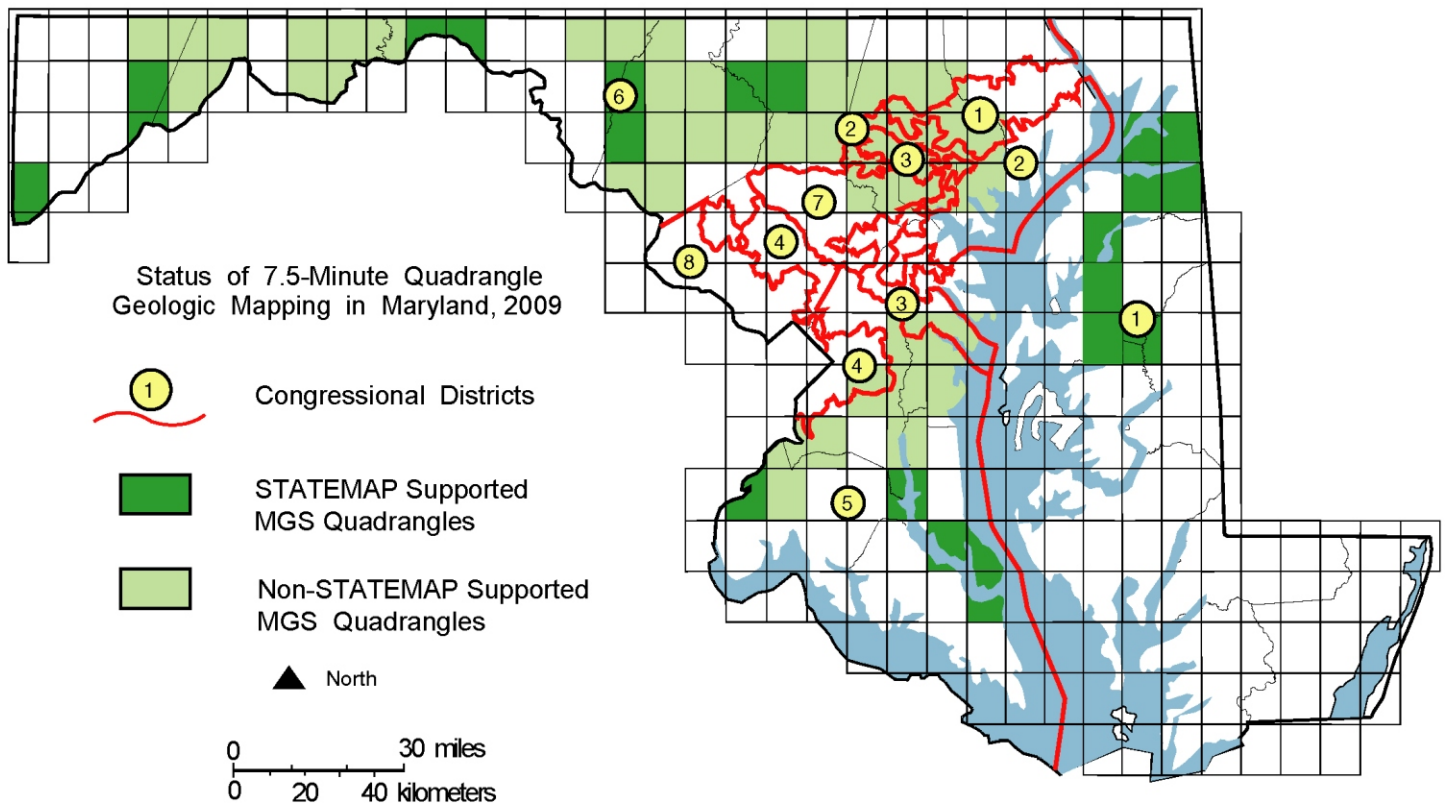


Maryland Geological Survey
Maryland Department of Natural Resources

National Cooperative Geologic Mapping Program

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

Maryland



Contact information

Maryland Geological Survey

Acting Director: Jeffrey Halka (410/554-5503)
STATEMAP Contact: Jeffrey Halka (410/554-5503)
<http://www.mgs.md.gov>

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

Program Coordinator:
Peter T. Lyttle (703/648-6943)
<http://ncgmp.usgs.gov/>

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	154,761
08	Maryland STATEMAP	72,277	93,024	165,301
09	Maryland STATEMAP	63,847	64,321	128,168
10	Maryland STATEMAP	64,419	66,912	131,331
Totals		736,007	822,839	1,558,846

The primary objectives of the STATEMAP component of the National Cooperative Geologic Mapping Program are to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States. The Maryland Geological Survey in consultation with the Maryland Geologic Mapping Advisory Committee selects quadrangles for geologic mapping. Rationales for choosing quadrangles for new geologic mapping include: providing basic geologic framework analysis that provides the geologic data needed for water and mineral resource assessment studies; mine restoration; power generation station siting; water quality assessments; shoreline erosion; karst terrain studies and other geohazard mapping. Geologic mapping also provides information about the physical environment that the plants and animals within Maryland's watersheds depend on, provides historic and current information that assists local and state planning agencies, and help in the analysis of issues such as the local effects of global warming and sea level rise..

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, in FY 05, the digital preparation of a revised version of the geologic map of the Union Bridge, and in FY 08 the revision and production of a digital bedrock map and a surficial geologic map of the Myersville quadrangle in Frederick and Washington Counties, Maryland.

From FY 02 through FY 10, STATEMAP funds were also used for new geologic mapping of Coastal Plain quadrangles on Maryland's Eastern Shore in Cecil, Kent, Queen Anne's, Caroline and Talbot 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 FY 05, Millington in FY 06, Chestertown in FY 07, Wye Mills in FY 08, and Centreville in FY 09. In FY 10 STATEMAP funds are supporting mapping of the Ridgely quadrangle in Queen Anne's, Talbot and Caroline Counties. This mapping will be used to produce a revised regional map of the surface and subsurface geology of Maryland's upper Eastern Shore.