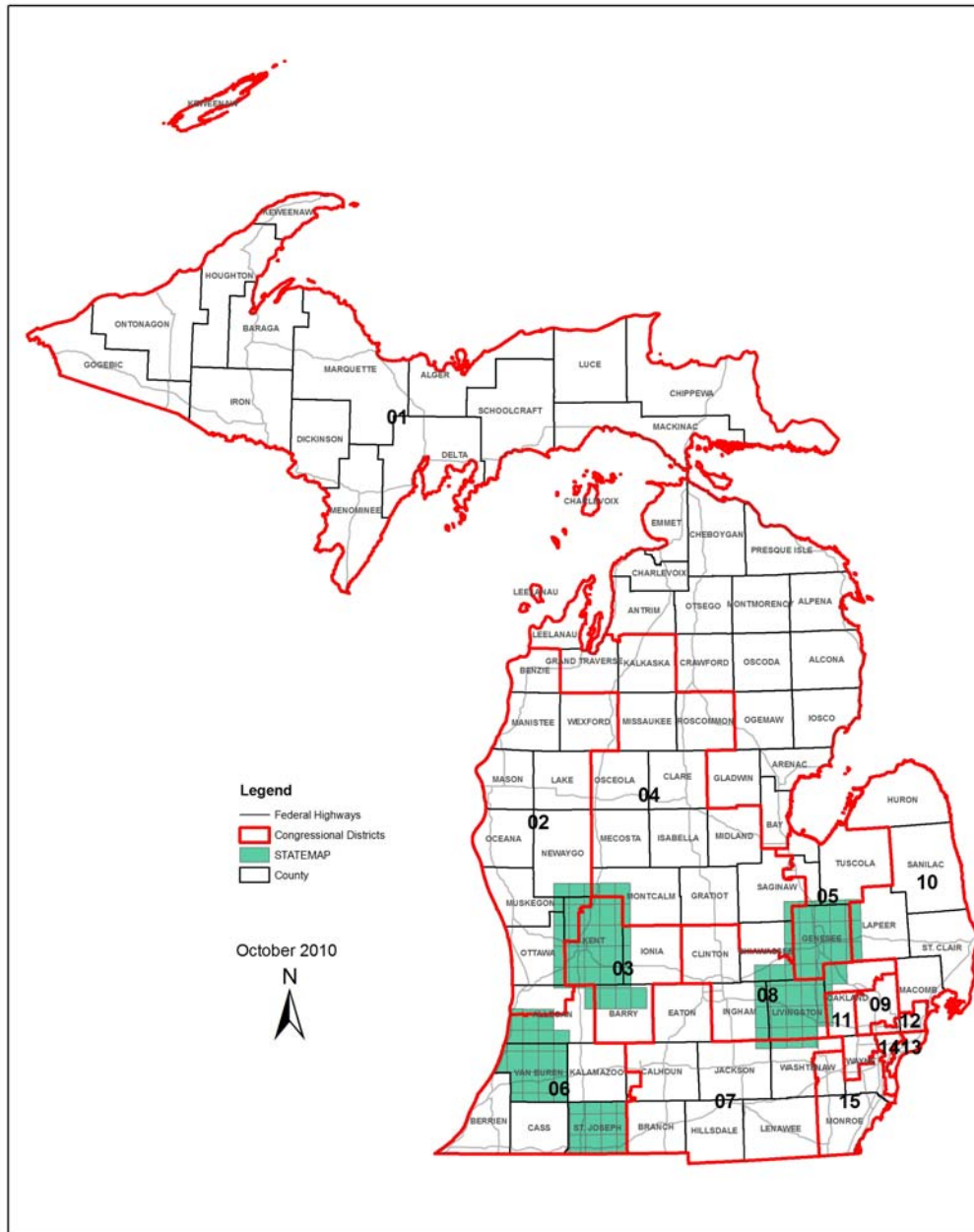




National Cooperative Geologic Mapping Program

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

MICHIGAN



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**SUMMARY OF STATEMAP
GEOLOGIC MAPPING PROGRAM IN MICHIGAN**

Federal Fiscal Year	Project Title & Scale		State and Local Funding	Federal Funding	Total Project Funding
	Surficial Geology of St. Joseph County, 1:24,000				
1995	Western Michigan University	Year 1	\$15,088	\$15,000	\$30,088
1996		Year 2	\$51,940	\$51,826	\$103,766
1997		Year 3	\$45,494	\$45,386	\$90,880
	Surficial Geology of Kent County, 1:24,000 Michigan				
1996	State University	Year 1	\$25,420	\$25,420	\$50,840
1998		Year 2	\$45,864	\$40,000	\$85,864
1999		Year 3	\$54,842	\$52,837	\$107,679
	Surficial Geology of Van Buren County, 1:24,000				
1998	Western Michigan University	Year 1	\$21,962	\$21,000	\$42,962
1999		Year 2	\$40,580	\$40,575	\$81,155
2000		Year 3	\$42,503	\$42,507	\$85,010
2001		Year 4	\$46,765	\$46,183	\$92,948
	Surficial Geology of Genesee County, 1:24,000 Michigan State University and the Michigan Geological Survey Division				
2000		Year 1	\$49,128	\$49,128	\$98,256
2001		Year 2	\$31,217	\$31,080	\$62,297
2002		Year 3	\$34,207	\$33,875	\$68,082
	Surficial Geology of Livingston County, 1:24,000 Michigan Geological & Land Mgt Division				
2003		Year 1	\$30,164	\$30,164	\$60,328
2004		Year 2	\$30,387	\$30,387	\$60,774
2005		Year 3	\$22,398	\$22,398	\$44,796
	Surficial Geology of Allegan County, 1:24,000 Western Michigan University				
2002		Year 1	\$41,227	\$41,125	\$82,352
2003		Year 2	\$30,071	\$30,071	\$60,142
		Year 3	\$25,423	\$25,423	\$50,846
	Surficial Geology of Barry County, 1:24,000 Michigan Office of Geological Survey				
2006		Year 1	\$37,320	\$37,320	\$74,640
TOTALS			\$722,000	\$711,705	\$1,433,705

The STATEMAP portion of the National Cooperative Geologic Mapping Act (NCGMP) has been of great service to the Michigan Department of Environmental Quality, Geological and Land Management Division's efforts to produce high-quality, large-scale maps of the surficial geology of Michigan. Since 1995, STATEMAP funding has supported mapping the glacial materials that dominate Michigan's land surface. The accomplishments of STATEMAP in glacial mapping are important because ground-water yield, soil fertility, erosion potential, drainage, load-bearing capacity and suitability for construction materials all depend on glacial sediments. Planning officials, industry and the public will use this new geologic map information to make informed decisions on issues regarding natural resources for sustainable economic development.

Michigan's continued economic growth and the security of its people and environment are related to fundamental issues involving resources. Competition for land, water, mineral and biological resources by developers, industrial and mining interests, environmental action groups and private citizens has led to complex and often conflicting public-policy options needed for managing resources. It then becomes a formidable task for local and state decision-makers to ensure and promote economic growth. The water, land and mineral resource needs of a growing population must be met while managing the environment in a sustainable manner. Decisions made without an adequate base of earth-science information often increase the costs and risks to society and the environment. STATEMAP geologic mapping projects such as those listed above provide local government with basic earth science information that is critical for evaluating land-use activities and ensuring that enacted policies reflect smart growth options.

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