



ASSOCIATION OF AMERICAN
STATE GEOLOGISTS

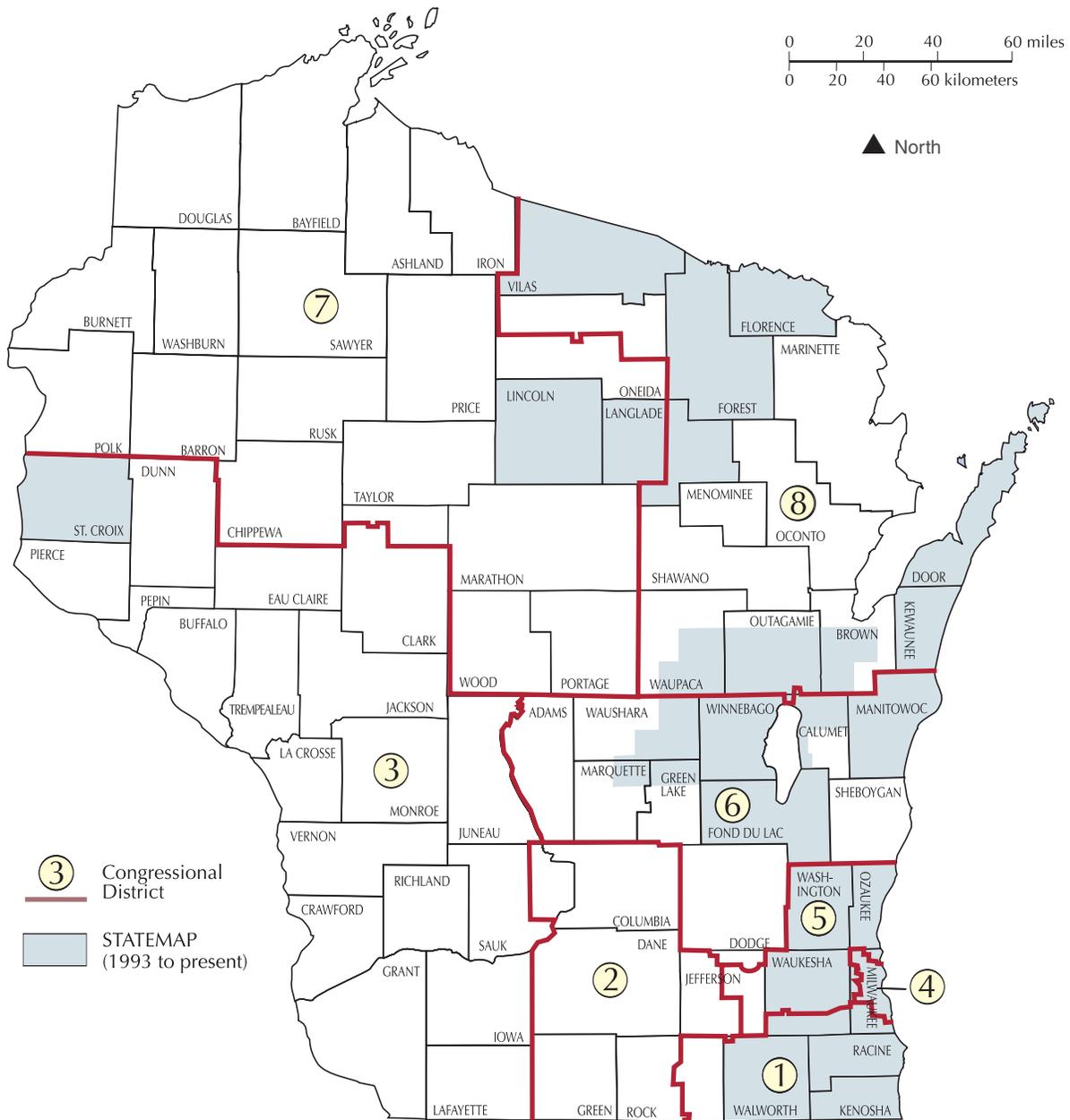


UNITED STATES
GEOLOGICAL SURVEY



National Cooperative Geologic Mapping Program

WISCONSIN



- 3 Congressional District
- STATEMAP (1993 to present)

Contact information

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Federal Fiscal Year	Project Title Scale		State Dollars	Federal Dollars	Total Project Dollars
93	Pleistocene Geology of Lincoln County , 1:1,000,000		\$54,786	\$24,000	\$78,786
94	Pleistocene Geology of Walworth County , 1:100,000	Year 1	\$40,895	\$40,789	\$81,684
95		Year 2	\$32,122	\$31,998	\$64,120
96	Quaternary Geology of Manitowoc County , 1:100,000	Year 1	\$48,130	\$47,502	\$95,632
97		Year 2	\$48,621	\$48,604	\$97,225
97	Quaternary Geology of Kewaunee County , 1:100,000	Year 1	\$29,428	\$28,086	\$57,514
98		Year 2	\$32,815	\$31,253	\$64,068
98	Paleozoic Geology of Part of the Eastern Wisconsin Urban Corridor, 1:100,000, (Walworth, Racine, and Kenosha Counties) (Milwaukee, Waukesha Counties) (Ozaukee County) (Washington County)	Year 1	\$52,889	\$51,877	\$104,766
99		Year 2	\$65,360	\$59,574	\$124,934
00		Year 3	\$30,352	\$32,581	\$62,933
01		Year 4	\$32,740	\$32,480	\$65,220
99	Quaternary Geology of Door County , 1:100,000	Year 1	\$56,199	\$54,445	\$110,644
00		Year 2	\$53,554	\$46,848	\$100,402
01		Year 3	\$31,974	\$30,029	\$62,003
01	Quaternary Geology of the Fox River Lowland , 1:100,000 (parts of Waupaca, Waushara, Winnebago, and Outagamie Counties) (parts of Brown and Calumet Counties) (parts of Marquette, Winnebago, Calumet, Fond du Lac and Green Lake Counties)	Year 1	\$91,482	\$91,467	\$182,949
02		Year 2	\$97,000	\$97,000	\$194,000
03		Year 3	\$78,272	\$78,045	\$156,317
01	Digital Compilation of Existing Geologic Maps in Vilas, Florence, Forest, and Langlade Counties		\$13,788	\$13,255	\$27,043
02	Quaternary Geology of St. Croix County , 1:100,000	Year 1	\$68,800	\$68,800	\$137,600
03		Year 2	\$64,731	\$64,381	\$129,112
02	Paleozoic Geology of Fond du Lac County , 1:100,000	Year 1	\$35,000	\$35,000	\$70,000
03		Year 2	\$36,495	\$36,031	\$72,526
03	Bedrock Geology of the Fox River Valley Urban Corridor – Winnebago/Outagamie Counties , 1:100,000	Year 1	\$28,441	\$28,420	\$56,861
TOTALS			\$1,123,874	\$1,072,465	\$2,196,339

The STATEMAP part of the National Cooperative Geologic Mapping Program (NCGMP) has significantly enhanced the Wisconsin Geological and Natural History Survey's (WGNHS) ability to produce new county geologic maps in Wisconsin. STATEMAP has, over the past ten years, helped support geologic mapping of glacial and/or bedrock materials and the preparation of digital map products in all or part of twenty-five counties. This new geologic map information is regularly incorporated into decision making on a wide variety of local and county-wide issues that include protecting groundwater, locating new municipal wells, siting waste-disposal facilities, identifying potential aggregate resources, and addressing a broad spectrum of land-use concerns. The geologic maps are also used to develop educational materials on the state's glacial history and landscapes.

Recent geologic mapping of glacial materials and Paleozoic bedrock in the Southeastern Wisconsin Regional Planning Commission (SEWRPC) seven-county area is being used in a variety of ways in this rapidly urbanizing part of the state. For example, geologic mapping aids in the identification of supplies of non-metallic resources (sand, gravel, crushed stone, and dimension stone) that support urban and infrastructure construction. In addition, the geologic map information helps to constrain and calibrate a regional groundwater aquifer simulation model. This model, developed jointly by the WGNHS, U.S. Geological Survey Water Resources Division, and the Wisconsin Department of Natural Resources, will simulate water levels and movement in shallow and deep aquifer systems in the region. Model results will support present and future regional groundwater and water-supply management planning efforts that directly address such issues as wellhead protection, the effect of land-use activities on groundwater, water conservation, groundwater recharge scenarios, the optimization of groundwater use, well interference, and the optimal location of new water-supply wells.