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United States
Geological Survey

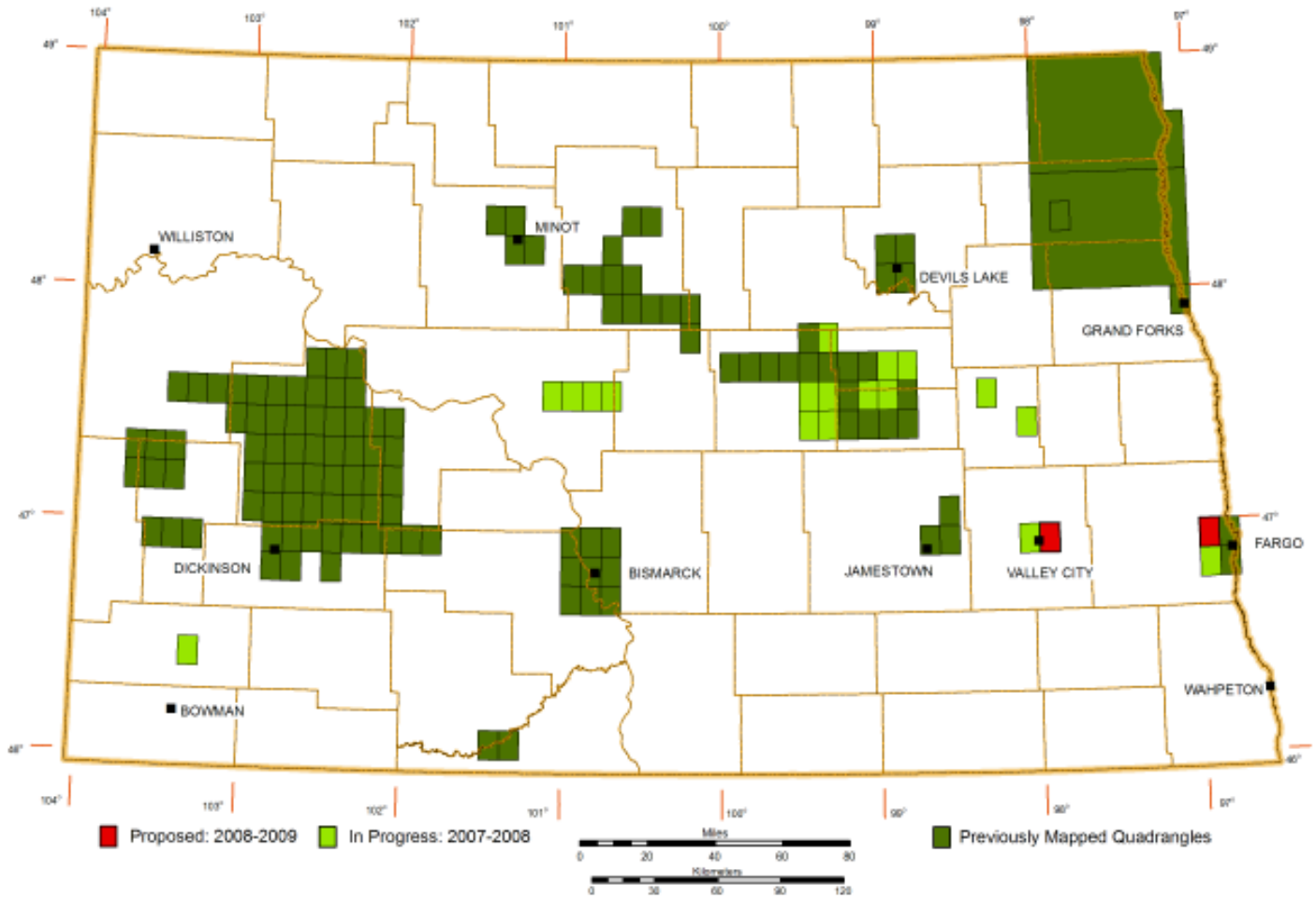


National Cooperative Geologic Mapping Program

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

NORTH DAKOTA

STATEMAP 24K & 100K SURFACE GEOLOGY QUADRANGLES



Contact information

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**SUMMARY OF STATEMAP
GEOLOGIC MAPPING PROGRAM IN NORTH DAKOTA**

Federal Fiscal Year	Project Title	Federal Dollars	State Dollars	Total Project Dollars
93	Jamestown Area	\$18,049	\$18,049	\$36,098
94	Dickinson Area	23,040	23,517	46,557
95	Theodore Roosevelt Nat'l Park	9,000	10,296	19,296
96	1) Bismarck/Mandan, 2) Grafton	29,584	32,685	62,269
97	Bismarck/Mandan Area	9,410	9,410	18,820
98	Bismarck/Mandan Area	9,410	9,410	18,820
99	Cavalier County	7,185	7,185	14,370
00	Walsh, Pembina, Cavalier counties	8,324	8,324	16,648
01	Dunn, Mercer, McKenzie, Billings counties	26,222	26,500	52,722
02	Dunn, Mercer, McKenzie, Billings counties	26,222	26,500	52,722
03	McKenzie, Billings, Stark, Ramsey counties	28,617	28,617	57,234
04	Stark, Ramsey, Cass, Grand Forks counties	20,018	20,200	40,218
05	Stark County and Minot	17,247	17,247	34,494
06	Fargo, Devils Lake, and Stark County	27,381	53,709	81,090
07	Fargo, Valley City, and Bowman County	31,631	59,581	91,212
08	Fargo and Valley City	20,061	44,473	64,534
	TOTAL	\$311,401	\$395,703	\$707,104

The North Dakota Geological Survey has completed a number of geologic mapping projects utilizing funding from the National Cooperative Geologic Mapping Program (STATEMAP). The timely completion of these projects was made possible by funding from this program. Most of these projects have resulted in detailed geologic maps at a scale of 1:24,000. Geologic maps have been created for a number of urban areas in the state including Bismarck, Devils Lake, Dickinson, Jamestown, Minot, Grand Forks, and Fargo. Geologic hazards such as landslides, flooding, and avoidance features (abandoned mine lands, gravel pits, and landfills, for example) and the locations of potentially economic mineral resources (principally sand and gravel) were identified on these maps. Geologic maps of urban areas are a vital source of information for city engineers, developers, geotechnical consultants, aggregate companies, etc. Mapping in the Theodore Roosevelt National Park engendered a geologic report and maps which are being used by Park personnel for management purposes and by Park visitors (including hikers, bicyclists, etc.) as recreational guides. Several mapping projects in the northeastern corner of North Dakota enabled the completion of a 1:100,000 scale mapping program of the flood-prone corridor of the Red River Valley. Other recently completed projects (1:24,000 scale) include an eight-quadrangle area in southwestern North Dakota encompassing potential sites for the location of a new kaolinitic clay pit (used in brickmaking) and the four-quadrangle set that covers the city of Devils Lake in northeastern North Dakota. Current mapping continues to focus mainly on the Fargo area in an effort to remain a step ahead of prolific urban development, and the landslide-prone community of Valley City (new project).