



Association of American  
State Geologists



Iowa Geological Survey

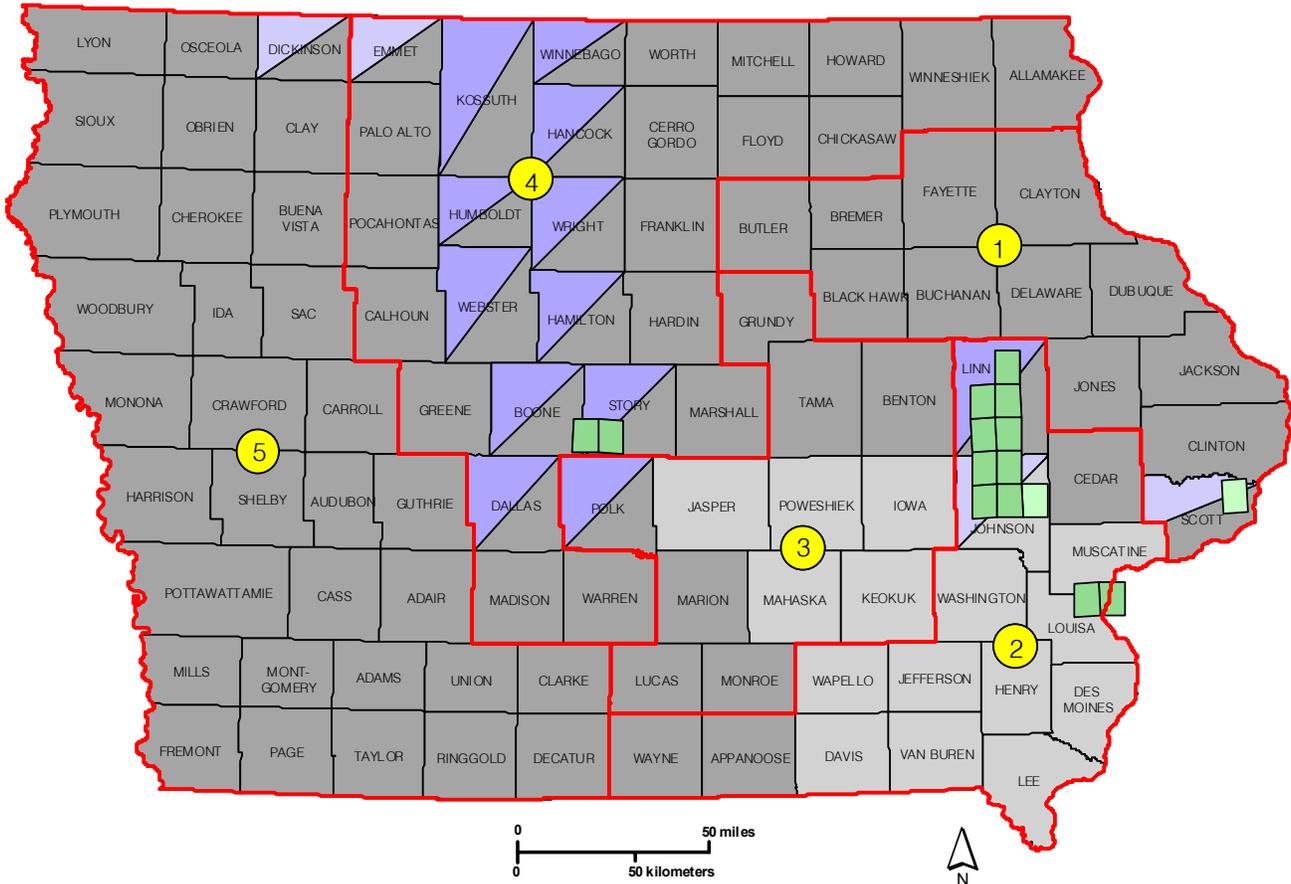
United States  
Geological Survey



# National Cooperative Geologic Mapping Program

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

## IOWA



### STATEMAP Funding (FY1994 through FY2003)

- 5 Congressional District Numbers
- Congressional District Boundaries
- Completed 1:24,000 scale geologic maps
- In-progress 1:24,000 scale geologic maps
- Completed 1:100,000 scale surficial geologic maps
- In-progress 1:100,000 scale surficial geologic maps
- Completed bedrock geologic maps
- In-progress bedrock geologic maps

### Contact Information

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U.S.G.S. National Cooperative Geologic Mapping Program  
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## SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN IOWA

Federal Fiscal Year	Geologic Mapping Project Title and Scale	State Dollars	Federal Dollars	Total Project Dollars
93	Surficial Geologic Maps of Letts and Blanchard 1:24,000 Quadrangles	\$9,000	\$9,000	\$18,000
94	Surficial Geologic Maps of Cedar Rapids North and Marion 1:24,000 Quadrangles and Bedrock Geologic Map of Linn County 1:100,000	\$40,000	\$39,095	\$79,095
95	Surficial Geologic Maps of Cedar Rapids South and Central City 1:24,000 Quadrangles	\$30,090	\$30,000	\$60,090
96	Surficial Geologic Maps of Bertram 1:24,000 Quadrangle and Linn County 1:100,000 Digital Compilation Bedrock Geologic Map of Northwestern Iowa, 1:250,000	\$68,179	\$68,179	\$136,358
97	Digital Compilation Bedrock Geologic Map Northeastern Iowa, 1:250,000	\$52,800	\$52,800	\$105,600
98	Surficial Geologic Maps of Des Moines Lobe of Iowa: Kossuth, Winnebago, Hancock and Wright Counties 1:100,000	\$79,618	\$79,618	\$159,236
99	Surficial Geologic Map of Des Moines Lobe of Iowa: Hamilton and Webster Counties 1:100,000	\$60,720	\$60,720	\$121,470
00	Surficial Geologic Maps of Des Moines Lobe of Iowa: Boone and Story Counties 1:100,000 Surficial Geologic Maps of Huxley and Slater 1:24,000 Quadrangles Digital Compilation Bedrock Geologic Map of North-Central Iowa, 1:250,000	\$96,121	\$96,120	\$192,241
01	Surficial Geologic Map of Des Moines Lobe of Iowa: Dallas and Humboldt Counties 1:100,000 Surficial Geologic Maps of Ely and Swisher 1:24,000 Quadrangles: Johnson County Developing Area Project Digital Compilation Bedrock Geologic Map of South-Central Iowa, 1:250,000	\$163,750	\$163,750	\$327,500
02	Surficial Geologic Map of Des Moines Lobe of Iowa: Polk County 1:100,000 Surficial Geologic Maps of Tiffin and Iowa City West 1:24,000 Quadrangles: Johnson County Developing Area Project Digital Compilation Bedrock Geologic Maps of Southwest and East-Central Iowa, 1:250,000	\$188,090	\$188,090	\$376,180
03	Surficial Geologic Map of Des Moines Lobe of Iowa: Dickinson and Emmet Counties, 1:100,000 Surficial Geologic Map of Iowa City East 1:24,000 Quadrangle; Geologic Map of Johnson County, 1:100,000 Digital Compilation Bedrock Geologic Map of Southeast Iowa, 1:250,000 Surficial Geologic Map of McCausland 1:24,000 Quadrangle: Scott County Developing Area Project	\$192,829	\$192,829	\$385,658
	<b>TOTALS</b>	<b>\$981,197</b>	<b>\$980,201</b>	<b>\$1,961,428</b>

The STATEMAP component of the National Cooperative Geologic Mapping Program has significantly enhanced the Iowa Geological Survey's (IGS) ability to produce geologic maps. The focus of Iowa's mapping program is to address priority state-wide issues and at the same time map with longer term goals in mind. Input from the advisory panel has recommended mapping in areas with environmental concern, related to groundwater quality and land-use planning issues. IGS and the advisory panel recognize the need for maps of varying scale to address the complex environmental issues facing urban and rural Iowans. Issues in developing urban areas center around residential and commercial development along major transportation corridors, rapid subdivision expansion on the fringes of urban areas and related problems with septic system siting, aggregate potential (identification and protection of resources), sensitive areas identification, and water quality and quantity issues. In rural areas, issues are focused on the proper siting of animal confinement facilities, water quality, watershed management, nutrient management, wetland delineation and protection and aggregate potential mapping.