



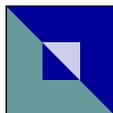
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MINNESOTA GEOLOGICAL SURVEY

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CONTENTS

SOURCES OF INFORMATION ON MINNESOTA GEOLOGY 3

MAPS AND REPORTS OF THE MINNESOTA GEOLOGICAL SURVEY AVAILABLE AS HARD COPY

Aeromagnetic Map Series 4

Bulletins 4

County Atlas Series (MGS & DNR) 4

Educational Series 12

Guidebook Series 12

Geologic Map of Minnesota, [1966-1982]; Scale 1:250,000 12

Information Circulars 13

Miscellaneous Map Series 15

Miscellaneous MGS Publications 27

Open-File Reports 27

Regional Hydrogeologic Assessments (MGS & DNR) 32

Report of Investigations 32

State Map Series 35

MAPS AND REPORTS BY OTHER AGENCIES

MINNESOTA DEPARTMENT OF NATURAL RESOURCES

County Atlas Series (DNR & MGS) 4

Regional Hydrogeologic Assessments (DNR & MGS) 32

U.S. GEOLOGICAL SURVEY

Topographic Maps, outdated hard copies 35

Hydrologic Atlases 36

BOOKS AND OTHER PUBLICATIONS 37

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Minnesota Geological Survey Contact Information

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SOURCES OF INFORMATION ON MINNESOTA GEOLOGY

In addition to Minnesota Geological Survey (MGS) publications, information on Minnesota geology is available from a broad range of sources. All MGS reports and maps have been scanned and are available for free download through the [MGS home page](#), as well as from the University of Minnesota Library Digital Conservancy Unit. Of increasing importance are MGS databases, such as the aeromagnetic and gravity databases. This catalog lists relatively recent publications that can still be purchased as hard copies. Literature from other publishers may be identified through internet searches or references services, and for older literature, previously prepared Bibliographies of Minnesota Geology remain accessible – including MGS Bulletins 34, 46, and 47, and Information Circular 21. These bibliographies can be found as PDF documents by searching at <https://conservancy.umn.edu/handle/11299/708>. For MGS publications not listed in this catalog, as an alternative to a digital download, most publications may be found in libraries, or on the used book market. Most publications released since 1993 also contain some geographic information system (GIS) files as supplementary information on the download web site. MGS publications may also be searched for through a map interface on the MGS web site.

The County Well Index (CWI) is a database that contains information for over 500,000 water-wells drilled in Minnesota. The data are derived from water-well contractors' logs of geologic materials encountered during drilling. Confirmed locations and interpreted geologic well records are available for about half of the wells. Available data also include casing, screen and pump information. CWI is Web accessible at [MWI ONLINE](#), [now the Minnesota Well Index (MWI)]. The database can be searched and files printed. Files cannot be downloaded. Due to the Homeland Security Act of 2002, wells supplying public water systems will not be displayed in CWI Online. If you need access to this information, please contact the MN Department of Health 651-201-4688. This restriction also applies to a data CD or downloadable file. If a CD is required, please contact MGS.

MAPS AND REPORTS OF THE MINNESOTA GEOLOGICAL SURVEY AVAILABLE AS HARD COPY

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AEROMAGNETIC MAP SERIES

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- A-1 Cook and Lake Counties. 1983. \$3.50. Available online or printed format.**
- A-2 St. Louis County. 1983. \$3.50. Available online or printed format.**
- A-3 Carlton and Pine Counties. 1983. \$3.50. Available online or printed format.**
- A-4 East-central region [area between 93° to 94°37'30" and 45°37'30" to 47°37'30"]. 1983. \$3.50. Available online or printed format.**
- A-5 Central region [area between 94°37'30" to 96°30' and 47°37'30" to □ and 94°37'30" to 95°22'30" and 45°37'30"]. 1985. \$3.50. Available online or printed format.**
- A-6 West-central region [area from 95°22'30" to western state line between 45°37'30" and 47°; and from 94° to western state line between 45° and 45°37'30"]. 1987. \$6.50. Available online or printed format.**
- A-7 Northwestern region [area from 96°30' to western state line between 47° and 47°37'30" and from 95°37'30" to western state line between 47°37'30" and the International Boundary]. 1989. \$6.50. Available online or printed format.**
- A-8 Southwestern region [area from 94°22'30" to western state line between the southern state line and 44°22'30"; and from 94°37'30" to western state line between 44°22'30" and 45°]. 1989. \$6.50. Available online or printed format.**
- A-9 Southeastern region. 1991. \$6.50.**

BULLETINS (ISSN 0076-9169)

- 46 Bibliography of Minnesota geology, 1951-1980.** G.B. Morey, N.H. Balaban, and L. Swanson. 1981. 143 p. Available in print **\$5.50** & Available online free.
- 47 Bibliography of Minnesota geology, 1981-1985.** L. Swanson, N.H. Balaban, and G.B. Morey. 1987. 107 p. **\$5.50.**
- 48 Frederick William Sardeson, Geologist 1866-1958.** M.P. Weiss. 2000. 203 p. **\$16.50.**

COUNTY GEOLOGIC ATLAS SERIES

For County Atlases numbered C-13 and higher, GIS files may be downloaded; the MGS also offers a CD/DVD that contains products of the MGS County Atlas project in GIS and PDF formats. Each CD/DVD is **\$3.00** when purchased with an Atlas or associated RI, or **\$5.50** if purchased separately.

On the CD/DVD, atlas data are part of an ArcGIS mxd project file. The mxd is compatible with the latest versions of ArcGIS but is not backward compatible. With GIS software, the data are searchable and can be manipulated or integrated with other georeferenced data (such as road and water networks, census data, images, and parcel boundaries). If ArcGIS is not available



the CD/DVD data can be viewed with ArcReader, a program available directly from the ESRI web site. It is free. The CD/DVD also contains PDF files of the atlas plates that match the colors and styles of the printed version. Maps can be printed from the PDF files if you have access to a large format plotter. Also included are text versions of the map explanation, jpeg images, and database (dbf) files and some html files, that can be viewed or used independently of any GIS system.

The DNR parts of the County Atlas Series beginning with C-8 are available at https://www.dnr.state.mn.us/waters/groundwater_section/mapping/status.html.

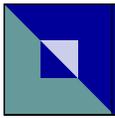
- *C-2 Geologic atlas of Winona County, Minnesota.** N.H. Balaban and B.M. Olsen, eds. 1984. *(out of print, available online. Plates available upon request for \$10.00 each. Please allow 1 business day for printing).*
- *C-3 Geologic atlas of Olmsted County, Minnesota.** N.H. Balaban, ed. 1988. 9 pls. Scale 1:100,000. 9 pls. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, depth to bedrock; pl. 5, bedrock hydrogeology; pl. 6, pollution sensitivity; pl. 7, sinkhole probability; pl. 9, geologic resources (Plate 8 available for \$10.00 upon request. Please allow 1 business day for printing).* **\$12.00** for pls. 1-8.
- *C-4 Geologic atlas of Hennepin County, Minnesota.** N.H. Balaban, ed. 1989. 9 pls. Scale 1:100,000 and smaller. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, depth to bedrock; pl. 5, Quaternary hydrogeology; pl. 6, bedrock hydrogeology; pl. 7, pollution sensitivity; pl. 8, well construction; pl. 9, geologic resources.* **\$12.50.**
- *C-5 Geologic atlas of Washington County, Minnesota.** L. Swanson and G.N. Meyer, eds. 1990. 7 pls. Scale 1:100,000 and smaller. *Pl. 1, data-base; pl. 2, bedrock geology, pl. 3, surficial geology; pl. 4, bedrock topography and depth to bedrock; pl. 5, hydrogeology; pl. 6, sensitivity of ground-water systems to pollution; pl. 7, geology and well construction.* **\$12.50.**
- *C-6 Geologic atlas of Dakota County, Minnesota.** N.H. Balaban and H.C. Hobbs, eds. 1990. 9 pls. Scale 1:100,000 and smaller. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, depth to bedrock and bedrock topography; pl. 5, Quaternary hydrogeology; pl. 6, bedrock hydrogeology; pl. 7, sensitivity of the Prairie du Chien-Jordan aquifer to pollution; pl. 8, geology and well construction; pl. 9, geologic resources.* **\$12.50.**
- *C-7 Geologic atlas of Ramsey County, Minnesota.** G.N. Meyer and L. Swanson, eds. 1992. 10 pls. Scale 1:48,000 and smaller. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, bedrock topography and Quaternary stratigraphy; pl. 5, depth to bedrock and Confining units of the St. Peter Sandstone; pl. 6, surficial hydrogeology; pl. 7, bedrock hydrogeology; pl. 8, sensitivity of the water-table system to pollution; pl. 9, sensitivity of the Prairie du Chien-Jordan aquifer to pollution; pl. 10, bedrock and bedrock topography.* **\$13.00.**
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 - *Part A** J.H. Mossler, project manager. 1995. 5 pls. Scale 1:100,000. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, depth to bedrock and bedrock topography; pl. 5, geologic resources.* **\$12.50.**
 - *Part B** J. Falteisek, Minnesota Dept. of Natural Resources, Division of Waters, project supervisor. 1996. 4 pls. Scale 1:100,000. *Pl. 6, bedrock hydrogeology; pl. 7, sensitivity of the St. Peter-Prairie du Chien-Jordan aquifer to pollution; pl. 8, sinkholes and sinkhole probability; pl. 9, springsheds.* **\$12.50.**
 - Part C** Text supplement. R.S. Lively and N.H. Balaban, eds. 1995. 41 p. **\$2.50.**
- C-9 Geologic atlas of Rice County, Minnesota. Both parts \$24.50.**
 - *Part A** H.C. Hobbs, project manager. 1995. 6 pls. Scale 1:100,000. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy; pl. 5, depth to bedrock and bedrock topography; pl. 6, geologic resources.* **\$14.50.**
 - *Part B** J. Falteisek, Minnesota Dept. of Natural Resources, Division of Waters, project supervisor. 1997. 3 pls., 1 pl supplement. Scale 1:100,000. *Pl. 7, water-table hydrogeology; pl. 8, bedrock hydrogeology; pl. 9 and pl. 9 supplement, sensitivity of ground-water systems to pollution.* **\$11.50.**
- C-10 Geologic atlas of Stearns County, Minnesota. Three parts \$33.50.** *(For more information on granites, see also Report of Investigations 56.)*



- *Part A** G.N. Meyer, project manager. 1995. 7 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy; pl. 5, depth to bedrock and thickness of Cretaceous strata; pl. 6, bedrock topography; pl. 7, geologic resources.* **\$20.50.**
- *Part B** □ Falteisek, Minnesota Dept. of Natural Resources, Division of Waters, project manager. 1998. 3 pls. and insert. Scale 1:100,000. *Pl. 8, hydrogeology of the Quaternary water-table system; pl. 9, hydrogeology of Quaternary confined aquifers and bedrock aquifers; pl. 10, sensitivity of ground-water systems to pollution; insert, summary of ground-water chemistry.* **\$12.50.**
- Part C** Text supplement. G.N. Meyer and L. Swanson, eds. 1996. 63 p. **\$3.00.**
- C-11 Geologic atlas of Mower County, Minnesota.** (See also *Report of Investigations 50.*)
- *Part A** J.H. Mossler, project manager. 1998. 6 pls. Scale 1:100,000. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, depth to the Pre-Cretaceous bedrock surface and topography of the Pre-Cretaceous bedrock surface; pl. 5, subsurface stratigraphy; pl. 6, sand and gravel resources and bedrock resources.* **\$16.50.**
- *Part B** J. Falteisek, Minnesota Dept. of Natural Resources, Division of Waters project manager. 2002. 4 pls. and insert. Scale 1:100,000. *Pl. 7, bedrock hydrogeology; pl. 8, ground-water flow in bedrock aquifers; pl. 9 sensitivity to pollution of the uppermost bedrock aquifers; pl. 10, karst hydrogeomorphic units; technical appendix, potentiometric surfaces of the uppermost bedrock aquifers.* **\$14.50.**
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- *Part A** D.R. Setterholm, project manager. 1998. 6 pls. Scale 1:100,000. *Pl. 1, data-base; pl. 2, bedrock geology; pl. 3, surficial geology and thickness of Quaternary sediments; pl. 4, Quaternary stratigraphy; pl. 5, bedrock topography; pl. 6, geologic resources.* **\$17.50 (with CD \$20.50).**
- *Part B** □ Falteisek, Minnesota Dept. of Natural Resources, Division of Waters, project manager. 2003. 4 pls. Scale 1:100,000. *Pl. 7, bedrock and water-table hydrogeology; pl. 8, hydrogeologic cross sections; pl. 9, sensitivity of pollution of the uppermost bedrock aquifers; pl. 10, sinkholes, sinkhole probability, and springs and seeps.* **\$14.50.**
- C-13 Geologic atlas of Pine County, Minnesota.** (See also *Report of Investigations 60.*)
- *Part A** T.J. Boerboom, project manager. 2001. 7 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geologic map and sections; pl. 3, supplemental data on bedrock geology and geophysics; pl. 4, surficial geology; pl. 5, Quaternary stratigraphy; pl. 6, sinkhole distribution, depth to bedrock and bedrock topography; pl. 7, mineral endowment.* **\$19.50, \$22.50 with CD.**
- *Part B** J.A. Berg, project manager, Minnesota Dept. of Natural Resources, Division of Waters. 2003. 3 pls. Scale 1:100,000. *Pl. 8, hydrogeology of the unconsolidated and bedrock aquifers; pl. 9, hydrogeologic cross sections; pl. 10, sensitivity of pollution of the uppermost bedrock aquifers.* **\$14.50.**
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- *Part A** A.C. Runkel, project manager. 2001. 7 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, bedrock topography and depth to bedrock; pl. 5, karst features; pl. 6, geologic endowment of construction-aggregate materials; pl. 7, illustrated geology.* **\$18.50 (with CD \$21.50).**
- *Part B** T.A. Petersen, project manager. 2005. 3 pls. Scale 1:100,000. *Pl. 8, hydrogeology of the unconsolidated and bedrock aquifers; pl. 9, hydrogeologic cross sections; pl. 10, sensitivity to pollution of the uppermost aquifers.* **\$10.00.**
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- *Part A** K.L. Harris, project manager. 2003. 5 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology, bedrock topography, and depth to bedrock; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy; pl. 5, mineral endowment.* **\$9.50 (with CD \$12.50).**



- *Part B** J.A. Berg, project manager. 2006. 4 pls. Scales 1:100,000, 1:150,000 and 1:300,000. *Pl. 6, hydrogeology of the surficial aquifers; pl. 7, hydrogeology of the buried aquifers; pl. 8, hydrogeologic cross sections; pl. 9, sensitivity to pollution of the buried aquifers.* **\$12.00.**
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- *Part A** D.R. Setterholm, project manager. 2004. 6 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy; pl. 5, bedrock topography, depth to bedrock, and Quaternary subsurface geology; pl. 6, mineral endowment.* **\$12.50 (\$18.50 with both CD's).**
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- C-19 Geologic atlas of Carlton County, Minnesota.**
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- *Part A** B.A. Lusardi, project manager. 2009. 6 pls. Scales 1:100,000 *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, supplemental bedrock geology; pl. 4, surficial geology; pl. 5, quaternary stratigraphy and sand distribution model; pl. 6, bedrock topography, depth to bedrock, and mineral endowment.* **\$9.50.**
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- *Part A** E.J. Bauer, project manager. 2009. 5 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy and sand distribution model; pl. 5, bedrock topography, depth to bedrock, and mineral endowment.* **\$13.60 (\$16.60 with DVD).**
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C-22 Geologic atlas of Chisago County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2010. 6 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy and sand distribution model; pl. 5, bedrock topography, depth to bedrock, and mineral endowment, pl. 6, bedrock topography and depth to bedrock.* **\$19.00 (\$22.00 with DVD).**

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C-23 Geologic atlas of Benton County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2010. 5 pls. Scales 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary stratigraphy and sand distribution model; pl. 5, bedrock topography, depth to bedrock, and mineral endowment.* **\$17.00 (\$20.00 with DVD).**

***Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2012. 4 pls. Scale 1:100,000. *Pl. 6, hydrogeology of the surficial sand aquifer; pl. 7, hydrogeologic cross sections; pl. 8, hydrogeology of the buried aquifers and the Rice Area aquifer system; pl. 9, sensitivity of the groundwater systems to pollution.* **\$12.00.**

C-24 Geologic atlas of Sibley County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2012. 6 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2 bedrock geology; pl.3 surficial geology; pl. 4, quaternary stratigraphy; pl. 5, sand distribution model, and pl. 6, bedrock topography and depth to bedrock.* **\$15.00.**

***Part B.** Minnesota Dept. of Natural Resources, Division of Waters. 2016. 1 report, pl. 7 chemical hydrogeology, pl. 8 hydrogeologic cross sections. **\$12.00**

C-25 Geologic atlas of Nicollet County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2012. 6 pls. Scale 1:100,000. *Pl.1, data-base map; pl.2, bedrock geology; pl. 3 surficial geology; pl. 4, quaternary stratigraphy; pl. 5, sand distribution model, and pl. 6, bedrock topography and depth to bedrock.* **\$15.00.**

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C-26 Geologic atlas of Blue Earth County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2012. 6 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, sand distribution model, and pl. 6, bedrock topography and depth to bedrock.* **\$15.00.**

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C-27 Geologic atlas of Anoka County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2013. 6 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, sand distribution model; pl. 6, bedrock topography and depth to bedrock.* **\$15.00.**

***Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2016. 3 pls., *pl. 7, water chemistry; pls. 8 and 9, hydrogeologic cross sections.* **\$12.00.**

C-28 Geologic atlas of Renville County, Minnesota.

***Part A** D.R. Setterholm, project manager. 2013. 5 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, bedrock topography, depth to bedrock, and sand distribution model.* **\$15.00.**

***Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2017. 1 report, 1 book of 27 map figures, 3 pls, *pl. 6, chemical hydrogeology; pls. 7 and 8, hydrogeologic cross sections.* **\$12.00.**


C-29 Geologic Atlas of Clay County, Minnesota.

- *Part A** E.J. Bauer, project manager. 2014. 5 pls. Scale 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl.2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, bedrock topography, depth to bedrock, and sand distribution model.* **\$15.00.**
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C-30 Geologic atlas of Wright County, Minnesota.

- *Part A** R.G. Tipping, project manager. 2013. 6 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, sand distribution model; pl. 6, bedrock topography and depth to bedrock.* **\$15.00**
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C-31 Geologic atlas of Morrison County, Minnesota.

- *Part A** B.A. Lusardi, project manager. 2014. 5 pls. Scales 1:100,000 and 1:200,000. *Pl. 1 data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, bedrock topography, depth to bedrock, and sand distribution model.* **\$15.00.**
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2019. 1 report, pl. 6 water chemistry, pl. 7 hydrogeologic cross Sections, pl. 8 hydrogeologic cross sections. **\$12.00**

C-32 Geologic atlas of Sherburne County, Minnesota.

- *Part A** B.A. Lusardi, project manager. 2013. 5 pls. Scale 1:100,000 and 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, quaternary stratigraphy; pl. 5, bedrock topography, depth to bedrock, and sand distribution.* **\$15.00**
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2017. 1 report, 3 pls, *pl. 6, water chemistry; pls. 7 and 8, hydrogeologic cross sections.* **\$12.00.**

C-33 Geologic atlas of Houston County, Minnesota.

- *Part A** D.R. Setterholm, project manager. 2014. 4 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, bedrock topography, depth to bedrock.* **\$15.00**

C-34 Geologic atlas of Winona County, Minnesota.

- *Part A** D.R. Setterholm, project manager. 2014. 4 pls. Scale 1:100,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, bedrock topography, depth to bedrock.* **\$15.00**
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2021. 1 report, pl. 5 water chemistry, pl. 6 hydrogeologic cross sections. **\$12.00**

C-35 Geologic atlas of Meeker County, Minnesota.

- *Part A** G.N. Meyer project manager. 2015. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5. Bedrock Topography, Depth to Bedrock, Sand Distribution Model.* **\$15.00**
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2019. 1 report, 1 report errata, pl. 6 Water Chemistry, pl. 7 Hydrogeologic Cross Sections, pl. 8 Hydrogeologic Cross Sections. **\$12.00**

C-36 Geologic Atlas of Redwood County, Minnesota

- *Part A** D.R. Setterholm, project manager. 2016. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5. Bedrock Topography, Depth to Bedrock, Sand Distribution Model.* **\$15.00**
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2019. 1 report, pl. 6 water chemistry, pl. 7 hydrogeologic cross sections, pl. 8 hydrogeologic cross sections, 1 errata. **\$12.00**


C-37 Geologic Atlas of Brown County, Minnesota

- *Part A** T.J. Boerboom, project manager. 2016. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5. Bedrock Topography, Depth to Bedrock, Sand Distribution Model. \$15.00*
- *Part B** Minnesota Department of Natural Resources, Ecological and Water Resources Division. 2020. Report 64 p., Plate 6 Water Chemistry, Plate 7 Hydrogeologic Cross Sections, GIS Files. **\$12.00**

C-38 Geologic Atlas of Kanabec County, Minnesota

- *Part A** T.J. Boerboom, project manager. 2016. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5. Bedrock Topography, Depth to Bedrock, Sand Distribution Model. \$15.00*
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2020. 1 report, Pl. 6 Water Chemistry, pl. 7 Hydrogeologic Cross Sections, GIS files. **\$12.00**

C-39 Geologic Atlas of Washington County, Minnesota

- *Part A** E.J. Bauer, project manager. 2016. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2019. 1 report, pl. 7 water chemistry, pl. 8 hydrogeologic cross sections, pl. 9 hydrogeologic cross sections. **\$12.00**

C-40 Geologic Atlas of Wadena County, Minnesota

- *Part A** B.A. Lusardi, project manager. 2016. 5 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5. Bedrock Topography, Depth to Bedrock, Sand Distribution Model. \$15.00*

C-41 Geologic Atlas of Hubbard County, Minnesota

- *Part A** B.A. Lusardi, project manager. 2018. 6 pls. Scale 1:100,000 *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-42 Geologic Atlas of Becker County, Minnesota

- *Part A** E.J. Bauer, project manager. 2016. 6 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Supplemental Quaternary Stratigraphy and Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-43 Geologic Atlas of Cass County, Minnesota

- *Part A** B.A. Lusardi project manager. 2016. 6 pls. Scale 1:100,000 to 1:200,000. *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Supplemental Quaternary Stratigraphy and Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-44 Geologic Atlas of Isanti County, Minnesota

- *Part A** B.A. Bloomgren, project manager. 2017. 6 pls. Scale 1:100,000 *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-45 Geologic Atlas of Hennepin County, Minnesota

- *Part A** J.R. Steenberg, project manager. 2018. 6 pls. Scale 1:100,000 *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*
- *Part B** Minnesota Dept. of Natural Resources, Division of Waters. 2021. 1 report, pl. 7 water chemistry, pl. 8 hydrogeologic cross sections, pl. 9 hydrogeologic cross sections. **\$12.00**



C-46 Geologic Atlas of Kandiyohi County, Minnesota

***Part A** J.D. Hamilton, project manager. 2019. 6 pls. Scale 1:100,000 *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-47 Geologic Atlas of Rock County, Minnesota

***Part A** E.J. Bauer, A.J. Retzler, M.A. Jirsa, V.W. Chandler, M.C. Pettus, A.S. Gowan, J.D. Hamilton. 2020. 6pls. Scale 1:100,000 *Pl. 1, database map; pl. 2 bedrock geology; pl. 3 surficial geology; pl. 4 quaternary stratigraphy; pl. 5 sand-distribution model; pl. 6 bedrock topography and depth to bedrock. \$15.00*

C-48 Geologic Atlas of Nobles County, Minnesota

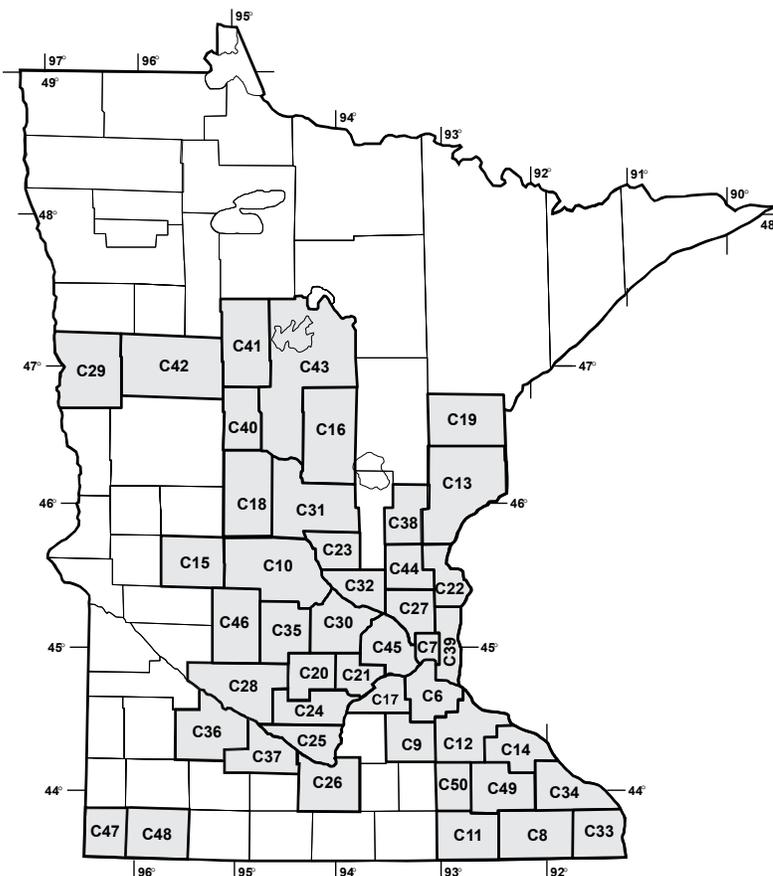
***Part A** E.J. Bauer, A.J. Retzler, M.A. Jirsa, V.W. Chandler, M.C. Pettus, A.S. Gowan, J.D. Hamilton. 2020. 6pls. Scale 1:100,000 *Pl. 1, Database Map; pl. 2, Bedrock Geology; pl. 3, Surficial Geology; pl. 4, Quaternary Stratigraphy; pl. 5, Supplemental Quaternary Stratigraphy and Sand-Distribution Model; and pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*

C-49 Geologic Atlas of Olmsted County, Minnesota

***Part A** J.R. Steenberg, M.C. Pettus, K.J. Marshall, J.M. McDonald, J.D. Hamilton, V.W. Chandler. (2020). 6pls. Scale 1:100,000, 1:300,000 *pl. 1, Data Base, pl. 2, Bedrock Geology, pl. 3, Surficial Geology, pl. 4 Quaternary Stratigraphy, pl. 5 Sand Distribution Model, pl. 6 Bedrock Topography and Depth-to-Bedrock. \$15.00*

C-50 Geologic Atlas of Dodge County, Minnesota

***Part A** J.R. Steenberg, project manager. 2018. 6 pls. Scale 1:100,000, 1:300,000 (sand model imagery), *Pl. 1, data-base map; pl. 2, bedrock geology; pl. 3, surficial geology; pl. 4, Quaternary Stratigraphy; Pl. 5., Sand Distribution Model; Pl. 6, Bedrock Topography and Depth to Bedrock. \$15.00*



Completed Counties:

Anoka	C-27	Olmsted	C-3, 49
Becker	C-42	Pine	C-13
Benton	C-23	Pope	C-15
Blue Earth	C-26	Scott	C-1, 17
Brown	C-37	Sherburne	C-32
Carver	C-21	Sibley	C-24
Carlton	C-19	Stearns	C-10
Cass	C-43	Ramsey	C-7
Clay	C-29	Redwood	C-36
Crow Wing	C-16	Renville	C-28
Chisago	C-22	Rice	C-9
Dakota	C-6	Rock	C-47
Dodge	C-50	Todd	C-18
Fillmore	C-8	Wabasha	C-14
Goodhue	C-12	Wadena	C-40
Hennepin	C-4, 45	Washington	C-5, 39
Houston	C-33	Winona	C-2, 34
Hubbard	C-41	Wright	C-30
Isanti	C-44		
Kanabec	C-38		
Kandiyohi	C-46		
McLeod	C-20		
Meeker	C-35		
Morrison	C-31		
Mower	C-11		
Nicollet	C-25		
Nobles	C-48		



EDUCATIONAL SERIES (ISSN 0544-3083)

- ES 2** Guide to mineral collecting in Minnesota. G.R. Rapp, Jr. and D.T. Wallace. Second revised edition 1979. 42 p. \$1.50.
- ES 6** The search for oil and gas in Minnesota. G.B. Morey. 1984. 30 p. \$1.50.
- ES 8** Using ground-water data for water planning. B.M. Olsen, E.H. Mohring and B.A. Bloomgren. 1987. 24 p. \$5.50.
- ES 9** The geology of Whitewater State Park [Winona County]. A.C. Runkel. 1996. 22 p. \$5.50.
- *ES 10** Geology of the Root River State Trail area, southeastern Minnesota. J.H. Mossler. 1999. 56 p., 1 map in pocket. \$8.00.

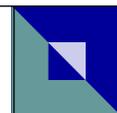
GUIDEBOOK SERIES (ISSN 0192-6268)

- *GS 21** Field trip guidebook for selected geology in Minnesota and Wisconsin. 2005. L.A. Robinson, ed. Prepared for the 2005 Geological Society of America, North Central Section Meeting, Minneapolis, Minnesota, May 18-20, 2005. 278 p. \$33.50.
- *GS 22** Landforms, stratigraphy, and lithologic characteristics of glacial deposits in central Minnesota. 2004. A.R. Knaeble, coordinator. Prepared for the 50th Midwest Friends of the Pleistocene Field Conference, June 4-6, 2004. 44 p. \$19.00.

GEOLOGIC MAP OF MINNESOTA, [1966-1982]; (SCALE 1:250,000)

- St. Paul sheet, bedrock geology.** R.E. Sloan and G.S. Austin. 1966. \$2.00. Flat only.
- New Ulm sheet, bedrock geology.** G.S. Austin, J.A. Grant, R.J. Ikola, and P.K. Sims. 1970. \$2.00. Flat or folded.
- Hibbing sheet, bedrock geology.** P.K. Sims, G.B. Morey, R.W. Ojakangas, and S. Viswanathan. 1970. \$2.00. Flat or folded.
- International Falls sheet, bedrock geology.** D.L. Southwick and R.W. Ojakangas. 1979. \$5.00. Flat or folded. (See also USGS map I-1965-B, which includes part of Ontario.)
- Roseau sheet, bedrock geology.** R.W. Ojakangas, J.H. Mossler, and G.B. Morey. 1979. \$5.00. Flat or folded. (See also USGS map I-2358-A, which includes parts of Ontario and Manitoba.)
- East-Central Minnesota, bedrock geology** [includes Duluth and Stillwater sheets, plus the parts of Brainerd and St. Cloud sheets east of 95°]. G.B. Morey, B.M. Olsen, and D.L. Southwick. 1981. \$6.50. Flat or folded.
- Two Harbors sheet, bedrock geology.** J.C. Green. 1982. \$5.50. Flat or folded. (See also M-119.)

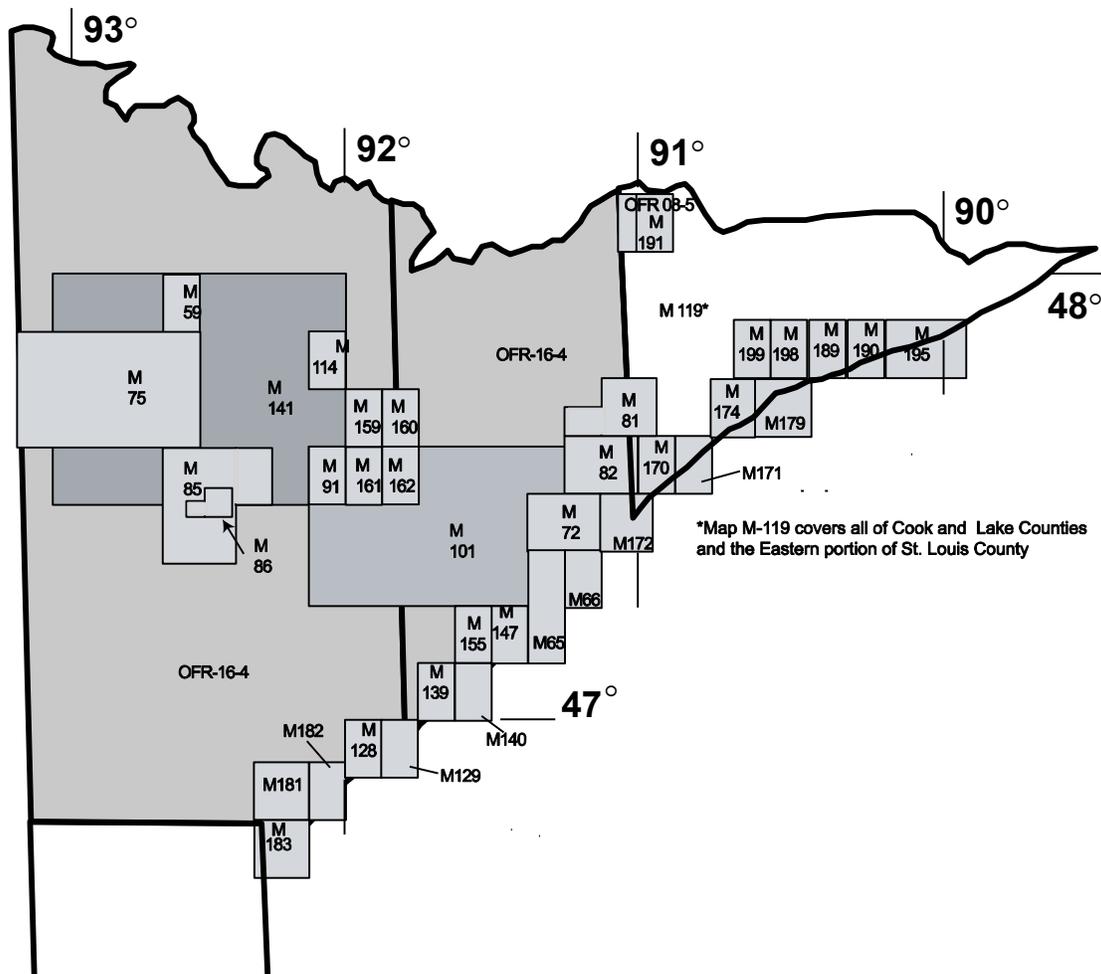


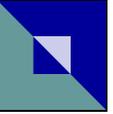

INFORMATION CIRCULARS (ISSN 0544-3105)

- IC-21** Publications of the Minnesota Geological Survey and its predecessor, the Geological and Natural History Survey of Minnesota. L. Swanson. 1985. 48 p. **\$1.50.**
- IC-22** Analytical results of the Public Geologic Sample Program, 1983-1985 biennium. G.B. Morey and others. 1985. 56 p., 2 figs., 9 tbls. **\$2.50.**
- IC-23** Scientific core drilling in central Minnesota: Summary of lithologic and geochemical results. D.L. Southwick, G.N. Meyer, and S.J. Mills. 1986. 186 p., 2 figs., 1 tbl. **\$4.50.**
- IC-24** Scientific core drilling in north-central Minnesota: Summary of 1986 lithologic and geochemical results. S.J. Mills, D.L. Southwick, and G.N. Meyer. 1987. 48 p., 2 figs. **\$4.50.**
- IC-25** Analytical results of the Public Geologic Sample Program, 1985-1987 biennium. G.B. Morey and L.L. McDonald. 1987. 59 p., 1 fig., 12 tbls. **\$7.50.**
- IC-26** Scientific core drilling in parts of Koochiching, Itasca, and Beltrami Counties, north-central Minnesota, 1987-1989: Summary of lithological, geochemical, and geophysical results. T.J. Boerboom and others. 1989. 159 p., 3 figs., 1 tbl. **\$5.50.**
- IC-27** Minnesota kaolin clay deposits: A subsurface study in selected areas of southwestern and east-central Minnesota. D.R. Setterholm and others. 1989. 99 p., 8 figs., 1 tbl. **\$4.50.**
- IC-28** Graphite in Early Proterozoic rocks of east-central Minnesota. P.L. McSwiggen and G.B. Morey. 1989. 68 p., 14 figs., 1 tbl. **\$4.50.**
- IC-29** Analytical results of the Public Geologic Sample Program, 1987-1989 biennium. G.B. Morey and L.L. McDonald. 1989. 66 p., 1 fig., 15 tbls. **\$7.50.**
- IC-30** Workshop on the applicability of gold and platinum-group-element models in Minnesota. G.B. Morey, ed. 1989. 60 p., 10 figs., 4 tbls. **\$4.50.**
- IC-31** Scientific test drilling in west-central Minnesota: Summary of lithologic and stratigraphic results, 1987-1988, and some preliminary geological conclusions. D.L. Southwick, D.R. Setterholm, and T.J. Boerboom. 1990. 98 p., 8 figs. **\$8.50.**
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- IC-33** Catalog of paleontological type specimens in the Geological Museum, University of Minnesota. W.F. Rice. 1990. 125 p. **\$9.50.**
- IC-34** Precambrian geology of the southern Canadian Shield and the eastern Baltic Shield. R.W. Ojakangas, ed. *U.S.A.-U.S.S.R.-Canada Joint Seminar, August 21-23, 1990, Duluth, Minnesota.* 174 p. **\$12.50.**
- IC-35** Geophysical solutions to geologic problems of continental interiors: A Minnesota workshop. V.W. Chandler, ed. 1991. 68 p. **\$5.50.**
- IC-36** Radium in the Mt. Simon-Hinckley aquifer, east-central and southeastern Minnesota. R.S. Lively and others. 1992. 58 p. **\$5.50.**
- IC-37** Scientific core drilling in parts of Itasca, St. Louis, and Lake Counties, northeastern Minnesota, 1989-1991: Summary of lithologic, geochemical, and geophysical results. J.P. Meints and others. 1993. 159 p. **\$8.50.**
- IC-38** Analytical results of the Public Geologic Sample Program, 1989-1991 biennium. G.B. Morey and L.S. Day. 1992. 79 p. **\$10.50.**
- IC-40** Scientific and exploration drilling in northwestern Minnesota: Lithological, geochemical, and geophysical results of drilling by the Minnesota Geological Survey, 1991-1993, and a summary of other scientific and exploration drilling. M.A. Jirsa and T.J. Boerboom. 1993. 106 p. **\$6.50.**

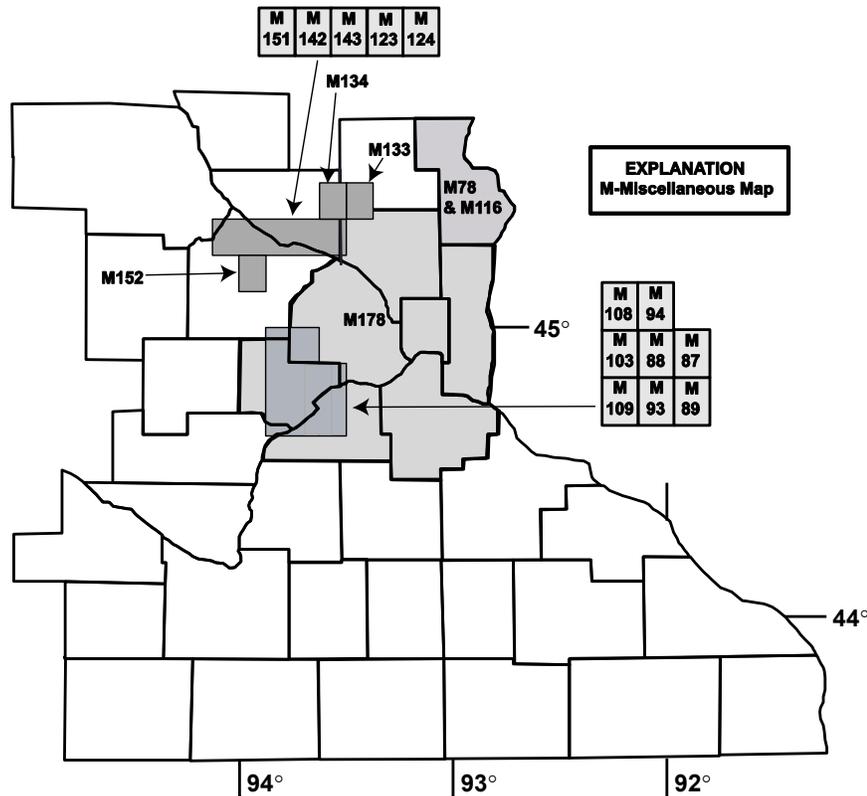
- IC-41** Geochemical investigation of minor and trace elements in the acid-insoluble residues of lower Paleozoic carbonate and related strata, southeastern Minnesota-The data base. G.B. Morey, R.S. Lively, J.H. Mossler, and S.A. Hauck. 1994. 78p. **\$6.50.**
- IC-42** Scientific test drilling and mapping in east-central Minnesota, 1994-1995: Summary of lithologic results. (*Companion to Open File Report 95-1 & MGS Miscellaneous Map M-132.*) M.A. Jirsa and V.W. Chandler. 1997. 105 p. **\$11.50.**
- *IC-43** Background levels of mercury and arsenic in Paleoproterozoic rocks of the Mesabi Iron Range, northern Minnesota. G.B. Morey and R.S. Lively. 1999. 14 p. **\$2.50.**
- IC-44** Geochemical evaluation of platinum group element (PGE) mineralization in the Sonju lake intrusion, Finland, Minnesota. J.D. Miller Jr. 1999. 32p. **\$3.50.**
- *IC-45** Utility of elemental geochemical data in correlation and provenance studies of Pleistocene materials: a case study in Stearns County, central Minnesota. G.B. Morey, R.S. Lively, and G.N. Meyer. 2000. 24 p. **\$3.50.**
- *IC-46** Aggregate resources inventory of the seven-county metropolitan area, Minnesota. D.L. Southwick, M. Jouseau, G.N. Meyer, J.H. Mossler, and T.E. Wahl. 2000. 91 p. **\$25.50.** (*See also MGS Miscellaneous Map 102.*)
- *IC-47** Compositions of Rift-Related Volcanic Rocks of the Keweenaw Supergroup Atop the St. Croix Horst, Southeastern Minnesota . G.B. Morey. 2001. 36 p. **\$5.00.**

Index to Bedrock Mapping (M-Series) for the North Shore Region





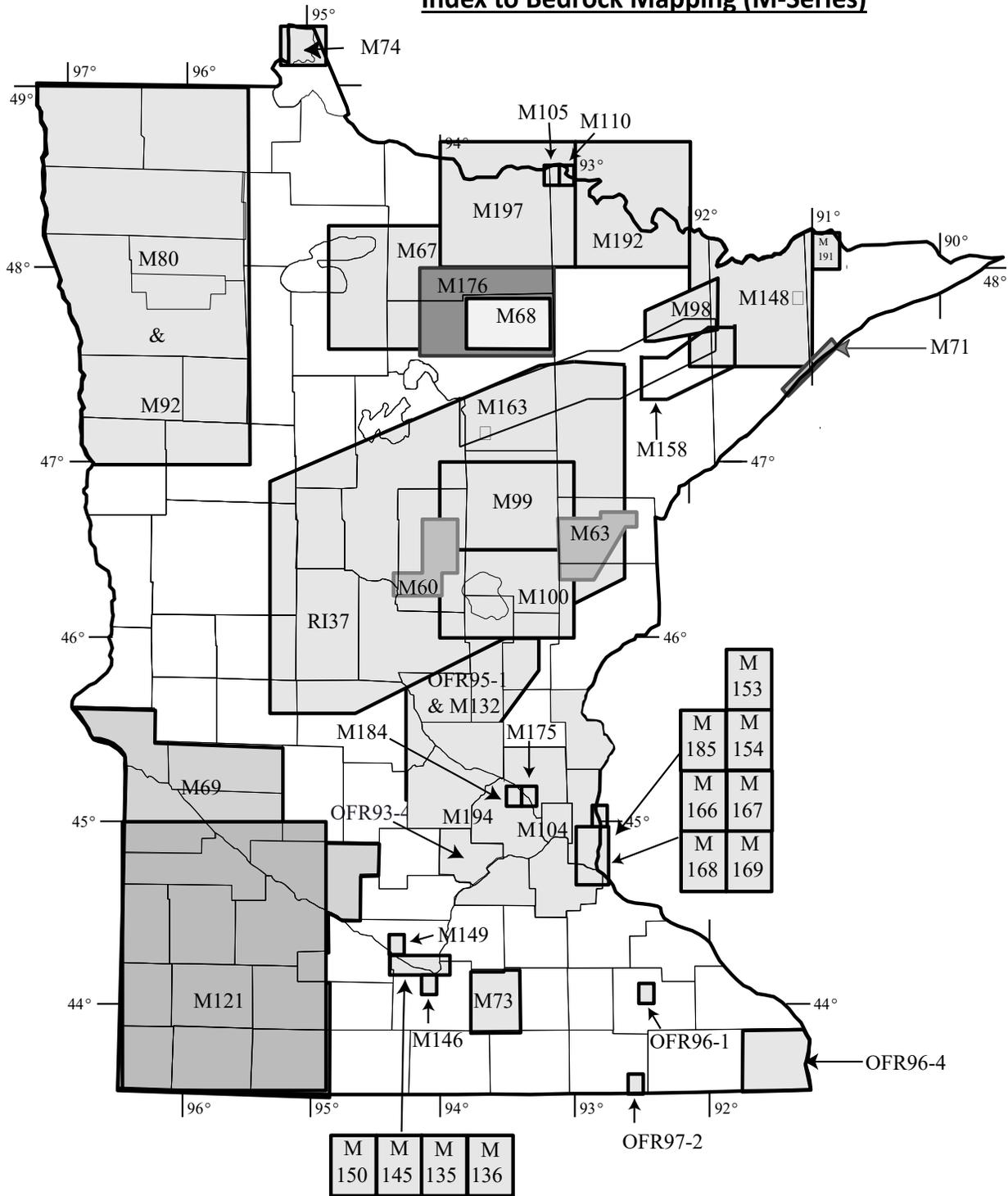
Index to Quaternary Geologic Mapping (M-Series) in the Twin Cities Metro



MISCELLANEOUS MAP SERIES

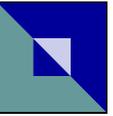
- M-01** **Bedrock geologic map, Minneapolis, St. Paul and vicinity.** C.M. Payne. 1965. Scale 1:24,000. Withdrawn in 1973 - additional data since compilation.
- M-02** **Gabbro Lake Quadrangle, Lake County, Minnesota.** J.C. Green, W.C. Phinney, P.W. Weiblen. 1966.
- M-03** **Simple Bouguer gravity map of Minnesota, Hibbing sheet.** R.J. Ikola. 1968. Scale 1:250,000; this map was superseded by Miscellaneous Map Series M-56, 1985.
- M-04** **Simple Bouguer gravity map of southern part of Duluth Complex and adjacent areas, Minnesota** R.J. Ikola. 1968. Scale 1:250,000.
- M-05** **Preliminary geologic map of the Vermilion district and adjacent areas, northern Minnesota** P.K. Sims, G.B. Morey, R.W. Ojakangas, W.L. Griffin. 1968. Scale 1:125,000; this map was printed with the wrong scale (1:250,000) indicated on the sheet, an error corrected on most of the distributed copies.
- M-06** **Geologic map of the Embarrass quadrangle, St. Louis County, Minnesota.** W.L. Griffin. 1969. Scale 1:124,000
- M-07** **Geologic map of the Kawishiwi Lake quadrangle, Lake and Cook Counties, Minnesota** . D.M. Davidson, Jr.. 1969. Scale 1:24,000. accompanying text: The Duluth Complex in the Perent Lake and Kawishiwi Lake quadrangles, Lake and Cook Counties, Minnesota, 10 p.
- M-08** **Geologic map of the Perent Lake quadrangle, Lake County, Minnesota.** D.M. Davidson, Jr. 1969. Scale 1:24,000; accompanying text: The Duluth Complex in the Perent Lake and Kawishiwi Lake quadrangles, Lake and Cook Counties, Minnesota, 10 p.
- M-09** **Simple Bouguer gravity map of Minnesota, Two Harbors sheet.** R.J. Ikola. 1970. Scale 1:250,000. **\$1.50. Folded only.**

Index to Bedrock Mapping (M-Series)

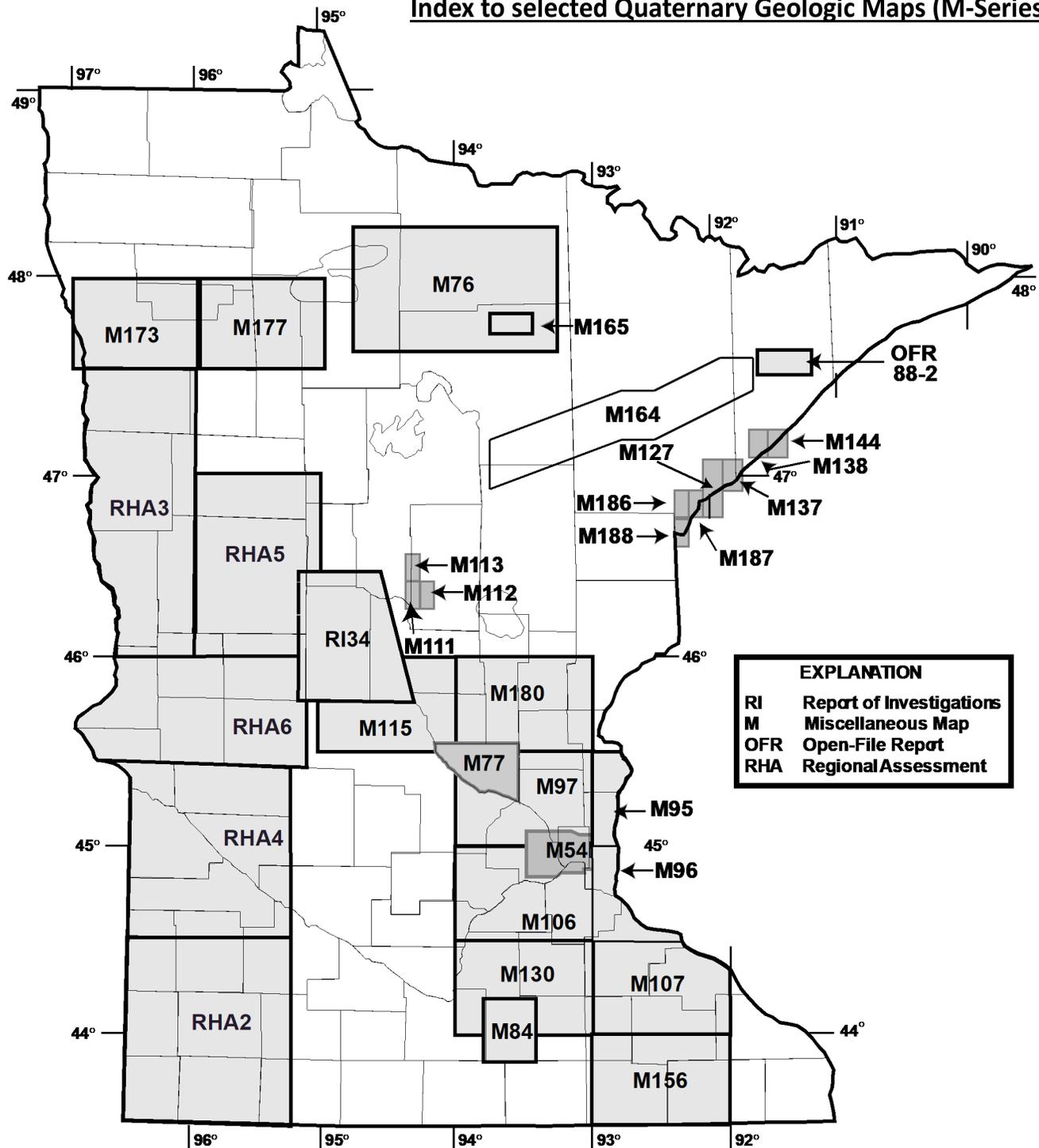


M-10 Simple Bouguer gravity map of Minnesota and northwestern Wisconsin. C. Craddock, H.M. Mooney, V. Kolehmainen. 1970. Scale 1:250,000. Scale 1:1,000,000; accompanying text, 14 p.

M-11 Outcrop map of southern part of Duluth Complex and associated Keweenaw rocks, St. Louis and Lake Counties, Minnesota. C. Craddock, H.M. Mooney, V. Kolehmainen. 1970. Scale 1:250,000. Scale 1:1,000,000; accompanying text, 14 p.



Index to selected Quaternary Geologic Maps (M-Series)



- M-12** Simple Bouguer gravity map of Minnesota, Roseau sheet. L.D. McGinnis, G. Durfee, and R.J. Ikola. 1973. Scale 1:48,000. \$3.50. *Folded only.*
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- M-14** Geologic map of Minnesota, bedrock geology. P.K. Sims 1970. Scale 1:1,000,000; this map is also included with *Geology of Minnesota: A centennial volume.*



- M-15 Reconnaissance geologic map of Biwabik NW quadrangle, St. Louis County, Minnesota.** P.K. Sims 1974. Scale 1:24,000.
- M-15 Reconnaissance geologic map of Biwabik NW quadrangle, St. Louis County, Minnesota.** P.K. Sims. 1974. Scale 1:24,000.
- M-16 Reconnaissance geologic map of Britt quadrangle, St. Louis County, Minnesota.** P.K. Sims, S. Viswanathan 1974. Scale 1:24,000.
- M-17 Geologic map of Lost Lake quadrangle, St. Louis County, Minnesota.** R.W. Ojakangas, P.K. Sims. 1977. Scale 1:24,000.
- M-18 Reconnaissance geologic map of Dewey Lake NW quadrangle, St. Louis County, Minnesota.** S. Viswanathan. 1974. Scale 1:24,000.
- M-19 Reconnaissance geologic map of Side Lake quadrangle, Itasca and St. Louis Counties, Minnesota.** S. Viswanathan. 1974. Scale 1:24,000.
- M-20 Reconnaissance geologic map of Stingy Lake quadrangle, Itasca and St. Louis County, Minnesota.** S. Viswanathan, R.W. Ojankangas. 1974. Scale 1:24,000.
- M-21 Reconnaissance geologic map of O'Leary Lake quadrangle, Itasca County, Minnesota.** S. Viswanathan. 1974. Scale 1:24,000.
- M-22 Reconnaissance geologic map of Dewey Lake quadrangle, St. Louis County, Minnesota.** S. Viswanathan, R.W. Ojakangas. 1974. Scale 1:24,000.
- M-24 Geologic map of Minnesota, bedrock geology and The geologic terranes of Minnesota [brief discussion].** G.B. Morey, M. Walton. 1976. Scale 1:1,000,000.
- M-25 Reconnaissance geologic map of Esko quadrangle, St. Louis and Carlton Counties, Minnesota.** J.A. Kilburg, G.B. Morey. 1977. Scale 1:24,000.
- M-26 Reconnaissance geologic map of Beth Lake quadrangle, Cook County, Minnesota.** D.M. Davidson. 1977. Scale 1:24,000.
- M-27 Reconnaissance geologic map of Kelso Mountain quadrangle, Cook County, Minnesota.** D.M. Davidson. 1977. Scale 1:24,000.
- M-28 Reconnaissance geologic map of Eagle Mountain quadrangle, Cook County, Minnesota.** D.M. Davidson. 1977. Scale 1:24,000.
- M-29 Reconnaissance geologic map of Brule Lake quadrangle, Cook County, Minnesota.** D.M. Davidson Jr., Burnell. 1977. Scale 1:24,000.
- M-30 Reconnaissance geologic map of Cherokee Lake quadrangle, Cook County, Minnesota.** D.M. Davidson Jr. 1977. Scale 1:24,000.
- M-31 Reconnaissance geologic map of Pine Mountain quadrangle, Cook County, Minnesota.** D.M. Davidson Jr. 1977. Scale 1:24,000.
- M-32 Reconnaissance geologic map of Lima Mountain quadrangle, Cook County, Minnesota.** D.M. Davidson Jr. 1977. Scale 1:24,000.
- M-33 Reconnaissance geologic map of Alice Lake quadrangle, Lake County, Minnesota.** D.M. Davidson Jr. 1977. Scale 1:24,000.
- M-34 Reconnaissance geologic map of Lake Polly quadrangle, Lake and Cook Counties, Minnesota.** D.M. Davidson Jr. 1977. Scale 1:24,000.
- M-35 Simple Bouguer gravity map of Minnesota, Stillwater sheet.** L.D. McGinnis, D.R. Carlson, R. Pederson, and J.S. Schafersman. 1977. Scale 1:250,000. \$2.75. *Folded only.*
- M-36 Geologic map of Pigeon Point quadrangle, Cook County, Minnesota.** M.G. Mudrey Jr.. 1977. Scale 1:24,000.
- M-37 Simple Bouguer gravity map of Minnesota, Duluth sheet.** K.A. Krenz and C.P. Ervin. 1977. Scale 1:250,000.
- M-38 Geologic map of the South Lake quadrangle, Cook County, Minnesota.** G.B. Morey, H.D. Nathan. 1977. Scale 1:24,000.



- M-39 Geologic map of the Hungry Jack Lake quadrangle, Cook County, Minnesota.** E.A. Mathez, H.D. Nathan, G.B. Morey 1977. Scale 1:24,000.
- M-40 Simple Bouguer gravity map of Minnesota, Brainerd sheet.** L.D. McGinnis, J.K. Jackson, and C.P. Ervin. 1978. Scale 1:250,000. **\$2.75.** *Folded only.*
- M-41 Simple Bouguer gravity map of Minnesota, Bemidji sheet.** L.D. McGinnis, D.A. Steffy, and C.P. Ervin. 1978. Scale 1:250,000. **\$2.75.** *Folded only.*
- M-42 Geologic map of the Gunflint Lake quadrangle, Cook County, Minnesota.** G.B. Morey, H.P. Nathan 1978. Scale 1:24,000.
- M-43 Simple Bouguer gravity map of Minnesota, New Ulm sheet.** C.P. Ervin, R.J. Ikola, and L.D. McGinnis. 1980. Scale 1:250,000. **\$3.50.** *Folded only.*
- M-44 Simple Bouguer gravity map of Minnesota, St. Cloud sheet.** C.P. Ervin. 1980. Scale 1:250,000. **\$3.50.** *Folded only.*
- M-45 Lineament map, Two Harbors sheet, Minnesota.** G.B. Morey. 1981. Scale 1:250,000. **\$3.50.** *Folded only.*
- M-46 Geologic map of the Long Island Lake quadrangle, Cook County, Minnesota.** G.B. Morey, P.W. Weiblen, J.J. Papike, and D.H. Anderson. 1981. Scale 1:24,000. **\$3.50.** *Folded only.*
- M-47 Lineament map, International Falls sheet, Minnesota.** G.B. Morey and J.F. Heutmaker. 1982. Scale 1:250,000. **\$6.50.** *Folded only.*
- M-48 Simple Bouguer gravity map of Minnesota, St. Paul sheet.** C.P. Ervin, B.W. Van De Voorde, and V.W. Chandler. 1982. Scale 1:250,000. **\$4.00.** *Folded only.*
- M-49 Lineament map, Hibbing sheet, Minnesota.** J.F. Heutmaker and G.B. Morey. 1982. Scale 1:250,000. **\$4.00.** *Folded only.*
- M-50 Geologic map of the Ely Quadrangle, Lake and St. Louis Counties, Minnesota.** J.C. Green, K.J. Shulz. 1982. Scale 1:24,000.
- M-51 Paleozoic lithostratigraphy of southeastern Minnesota.** J.H. Mossler. 1983. 8 pls. Scale 1:500,000. **\$12.50.** *Folded only.*
- M-52 Bedrock topography and isopachs of Cretaceous and Quaternary strata, east-central and southeastern Minnesota.** J.H. Mossler. 1983. 2 pls. Scale 1:500,000. **\$6.50.** *Folded only.*
- M-53 Shaded-relief aeromagnetic anomaly map of northeastern and east-central Minnesota.** V.W. Chandler, E. Nordstrand, and S. Anderson. 1984. 1 pl. 1:1,000,000. **\$4.00.** *Folded only.*
- M-54 Quaternary geologic map of the Minneapolis-St. Paul urban area, Minnesota.** G.N. Meyer. 1985. Scale 1:48,000. **\$5.50.** *Folded only.*
- M-55 Bedrock geologic and topographic maps of the seven-county twin cities metropolitan area, Minnesota.** M.A. Jirsa, B.M. Olsen, and B.A. Bloomgren. 1986. 2 pls. 1:125,000. **\$4.00.** *Folded only.*
- M-56 Simple Bouguer gravity map of Minnesota, Hibbing sheet.** V.W. Chandler, M.A. Jirsa, and R.J. Ikola. 1985. Scale 1:250,000. **\$2.50.** *Folded only.*
- M-57 Bedrock geologic and topographic maps of the Minneapolis-St. Paul urban area, Minnesota.** B.A. Bloomgren. 1985. 2 pls. 1:48,000. **\$4.00.** *Folded only.*
- M-58 Ground-water geochemical atlas for parts of east-central Minnesota.** R.S. Lively and G.B. Morey. 1985. 5 pls. Scale about 1:600,000. **\$5.50.** *Folded only.*
- M-59 Geologic map of Norwegian Bay quadrangle, St. Louis County, Minnesota.** R.L. Bauer. 1985. Scale 1:24,000. **\$3.00.** *Folded only.*
- M-60 Distribution of iron-formations in the main Cuyuna range, east-central Minnesota.** G.B. Morey and D.D. Morey. 1986. Scale 1:48,000. **\$6.50.** *Folded only.*
- M-61 Major-constituent chemistry of selected Phanerozoic aquifers in Minnesota.** R. Kanivetsky. 1986. 2 pls. Scales 1:1,000,000 and 1:2,000,000. **\$8.50.** *Folded only.*



- M-62** Simple Bouguer gravity map of Minnesota, International Falls sheet. V.W. Chandler, S.J. Mills, and R.J. Ferderer. 1987. Scale 1:250,000. **\$4.50.** *Folded only.*
- M-63** Geology and geophysics of the Denham-Mahtowa area, east-central Minnesota. P.L. McSwiggen. 1987. Scale 1:48,000. **\$5.50.** *Folded only.*
- M-64** Geologic map of the Sherry Lake quadrangle, Itasca County, Minnesota. M.A. Jirsa. 1988. Scale 1:24,000. **\$5.50.** *Folded only.*
- M-65** Geologic map of the Silver Bay and Split Rock Point NE quadrangles, Lake County, Minnesota. J.D. Miller, Jr. 1988. Scale 1:24,000. **\$5.50.** *Folded only.*
- M-66** Geologic map of the Illgen City quadrangle, Lake County, Minnesota. J.D. Miller, Jr., J.C. Green, and T.J. Boerboom. 1989. Scale 1:24,000. **\$5.50.** *Folded only.*
- M-67** Bedrock geologic map of parts of Koochiching, Itasca, and Beltrami Counties, north-central Minnesota. M.A. Jirsa and T.J. Boerboom. 1990. Scale 1:250,000. **\$8.50.** *Folded only.*
- M-68** Bedrock geologic map of northeastern Itasca County, Minnesota. M.A. Jirsa. 1990. Scale 1:48,000. **\$8.50.** *Folded only.*
- M-69** Geologic maps of the Late Cretaceous rocks, southwestern Minnesota. D.R. Setterholm. 1990. Color and black and white. 2 pls. Scale 1:750,000. **\$6.50.** *Folded only.*
- M-70** Distribution of arsenic in ground water and rocks, southwestern Minnesota. G.B. Morey, D.R. Setterholm, and R. Kanivetsky. 1990. Black and white. Scale 1 inch = 7.5 miles. **\$4.50.** *Folded only.*
- M-71** Geologic map of the North Shore of Lake Superior, Lake and Cook Counties, Minnesota: Part 1. Little Marais to Tofte. J.C. Green. 1992. Scale 1:24,000. **\$4.50.** *Folded only.*
- M-72** Geologic map of the Doyle Lake and Finland quadrangles, Lake County, Minnesota. J.D. Miller, Jr., J.C. Green, T.J. Boerboom, and V.W. Chandler. 1993. Scale 1:24,000. **\$8.50.** *Folded only.*
- M-73** Bedrock geology of Waseca County, Minnesota. B.A. Bloomgren. 1993. 3 pls. Scale 1:62,500 and smaller. **\$7.00.** *Folded only. (See M-84 for a surficial geologic map of Waseca County.)*
- M-74** Reconnaissance geologic map of the Northwest Angle, Lake of the Woods County, Minnesota. C.E. Zamzow and G.B. Morey. 1991. Scale 1:48,000. **\$4.50.** *Folded only.*
- M-75** Bedrock geologic map of the Cook to Side Lake area, St. Louis and Itasca Counties, Minnesota. M.A. Jirsa, T.J. Boerboom, V.W. Chandler, and P.L. McSwiggen. 1991. Scale 1:48,000. **\$10.50.** *Folded only.*
- M-76** Surficial geologic map of parts of Koochiching, Itasca, and Beltrami Counties, north-central Minnesota. G.N. Meyer. 1993. Scale 1:250,000. **\$7.50.** *Folded only.*
- M-77** Quaternary geologic map of Sherburne County, Minnesota. G.N. Meyer and H.C. Hobbs. 1993. Scale 1:100,000. **\$4.50.** *Folded only.*
- M-78** Quaternary geologic map of Chisago County, Minnesota. G.N. Meyer. 1993. Scale 1:100,000. **\$4.50.** *Folded only.*
- M-79** Geologic map of Archean bedrock, Soudan-Bigfork area, northern Minnesota. Compiled by D.L. Southwick. 1993. Scale 1:100,000. **\$5.50.** *Folded only. This map covers a block of 26 7.5-minute quadrangles (2 x 13) in and contiguous to the Vermilion district.*
- M-80** Bedrock geologic map of northwestern Minnesota. M.A. Jirsa, A.C. Runkel, and V.W. Chandler. 1994. Scale 1:250,000. **\$7.50.** *Folded only. A map of the area of Minnesota north of lat. 47° N. and west of lon. 95.5° W.*
- M-81** Bedrock geologic map of the Silver Island Lake, Wilson Lake, and western Toohey Lake quadrangles, Lake and Cook Counties, Minnesota. T.J. Boerboom and J.D. Miller, Jr. 1994. Scale 1:24,000. **\$7.50.** *Folded only.*
- M-82** Bedrock geologic map of the Cabin Lake and Cramer quadrangles, Lake and Cook Counties, Minnesota. J.D. Miller, Jr., T.J. Boerboom, and E.A. Jerde. 1994. Scale 1:24,000. **\$7.50.** *Folded only.*
- *M-83** Aerial gamma radiation in Minnesota and adjacent areas of North Dakota and South Dakota. R.S. Lively and G.B. Morey. 1996. 1 plate with 4 maps. Scale 1:3,168,000. Paper plot-**\$10.50.**



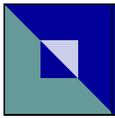
- ***M-84 Surficial geology of Waseca County, Minnesota.** B.A. Lusardi. 1997. Scale 1:62,500. (See also M-73 for bedrock geologic maps of Waseca County.) **\$7.50. Folded only.**
- ***M-85 Bedrock geologic map of the Virginia Horn, Mesabi Iron Range, St. Louis County, Minnesota.** M.A. Jirsa, T.J. Boerboom, and G.B. Morey. 1998. Scale 1:48,000. (Companion to RI-53.) Paper plot-**\$10.50.**
- ***M-86 Bedrock geologic map of the Midway area, St. Louis County, Minnesota.** M.A. Jirsa. 1998. Scale 1:12,000. (Companion to RI-53.) Paper plot-**\$10.50.**
- ***M-87 Surficial geologic map of the Shakopee quadrangle, Carver, Scott, and Hennepin Counties, Minnesota.** B.A. Lusardi. 1997. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-88 Surficial geologic map of the Victoria quadrangle, Carver County, Minnesota.** B.A. Lusardi. 1998. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-89 Surficial geologic map of the Jordan East quadrangle, Carver and Scott Counties, Minnesota.** B.A. Lusardi. 1998. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-90 Gravity and magnetic modeling of the Duluth Complex in the Allen 7.5 minute quadrangle, St. Louis County, Minnesota.** V.W. Chandler and R.S. Lively. 1998. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-91 Bedrock geologic map of Allen quadrangle, St. Louis County, Minnesota.** M.J. Severson and J.D. Miller, Jr. 1999. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-92 Bedrock geologic map of northwestern Minnesota.** M.A. Jirsa, V.W. Chandler, A.C. Runkel. 1999. Scale 1:200,000. Paper-plot **\$12.50.**
- ***M-93 Surficial geologic map of the Jordan West quadrangle, Carver and Scott Counties, Minnesota.** B.A. Lusardi. 1999. Scale 1:24,000. Paper-plot **\$8.00.**
- ***M-94 Surficial geologic map of the Mound quadrangle, Carver and Hennepin, Minnesota.** B.A. Lusardi. 1999. Scale 1:24,000. Paper-plot **\$8.00.**
- ***M-95 Surficial geology of the Stillwater 30 x 60 minute quadrangle, Minnesota.** B.A. Lusardi. 1999. Scale 1:100,000. Paper-plot **\$9.50.**
- ***M-96 Surficial geology of the Hastings 30 x 60 minute quadrangle, Minnesota.** H.C. Hobbs. 1999. Scale 1:100,000. Paper-plot **\$9.50.**
- ***M-97 Surficial geology of the Anoka 30 x 60 minute quadrangle, Minnesota.** G.N. Meyer and C.J. Patterson. 1999. Scale 1:100,000. Paper-plot **\$12.50.**
- ***M-98 Bedrock geologic map and mineral exploration data, western Vermillion District, St. Louis and Lake Counties, northeastern Minnesota.** D.M Peterson and M.A Jirsa. 1999. Scale 1:48,000. Paper-plot **\$18.50.**
- ***M-99 Bedrock geology of the Aitkin 30 x 60 minute quadrangle, east-central Minnesota.** T.J. Boerboom, M.J. Severson, and D.L. Southwick. 1999. 2 pls. Scale 1:100,000. Paper plots. Pl. 1, bedrock geologic map. **\$12.50** Pl. 2, data base map. **\$10.50.**
- ***M-100 Bedrock geology of the Mille Lacs 30 x 60 minute quadrangle, east-central Minnesota.** T.J. Boerboom, M.J. Severson, and D.L. Southwick. 1999. 2 pls. Scale 1:100,000. Pl. 1, bedrock geologic map-**\$12.50**; pl. 2, data base map-**\$10.50.** Complete set paper plots-**\$23.00.**
- ***M-101 Bedrock geologic map of the central Duluth Complex and western part of the Beaver Bay Complex, Lake and St. Louis Counties, Minnesota.** J.D. Miller, Jr., and V.W. Chandler. 1999. Scale 1:100,000. Paper plot-**\$12.50.**
- ***M-102 Primary sources of construction aggregate in the Twin Cities seven-county Metropolitan Area, Minnesota.** G.N. Meyer and J.H. Mossler, compilers. 1999. 2 pls. on 4 sheets. Scale 1:100,000. Pl. 1, map of primary aggregate sources [2 sheets]; pl. 2, data-base map [2 sheets]; each sheet, **\$12.50.** Complete set paper plots-**\$50.00.** (See also MGS Information Circular 46.) Also refer to the DNR aggregate web site: www.dnr.state.mn.us/lands_minerals/metroaggregate.html.



- ***M-103 Surficial geologic map of the Waconia quadrangle, Carver County, Minnesota.** B.A. Lusardi. 2000. Scale 1:24,000. Paper plot-**\$8.00.**
- ***M-104 Bedrock geology and structure of the seven-county Twin Cities Metropolitan Area, Minnesota.** J.H. Mossler and R.G. Tipping. 2000. Scale 1:125,000. Paper plot-**\$12.50.**
- ***M-105 Bedrock geology of the Island View quadrangle, Koochiching County, north-central Minnesota.** C.B. Hemstad, R.W. Ojakangas, and D.L. Southwick. 2000. 2 pls. Scale 1:24,000. *Pl. 1, bedrock geology; pl. 2, bedrock outcrop; each sheet, \$8.00.* Complete set paper plots-**\$16.00.**
- ***M-106 Surficial geology of the St. Paul 30 x 60 minute quadrangle, Minnesota.** G.N. Meyer and B.A. Lusardi, compilers. 2000. Scale 1:100,000. Paper plot-**\$12.50.**
- ***M-107 Surficial geology of the Rochester 30 x 60 minute quadrangle, Minnesota.** Compiled by H.C. Hobbs. 2000. Scale 1:100,000. Paper plot-**\$12.50.**
- ***M-108 Surficial geologic map of the Watertown quadrangle, Carver, Hennepin, and Wright Counties, Minnesota.** B.A. Lusardi. 2001. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-109 Surficial geologic map of the Belle Plaine North quadrangle, Carver, Scott, and Sibley Counties, Minnesota.** B.A. Lusardi. 2001. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-110 Bedrock geology of the Cranberry Bay quadrangle, Koochiching and St. Louis Counties, north-central Minnesota.** C.B. Hemstad, R.W. Ojakangas, D.L. Southwick, and M. Nemitz. 2001. 2 pls. Scale 1:24,000. *Pl. 1, bedrock geology; pl. 2, bedrock outcrop; each sheet, \$10.00.* Complete set paper plots - **\$20.00.**
- ***M-111 Surficial geology of the Baxter quadrangle, Cass, Morrison, and Crow Wing Counties, Minnesota.** A.R. Knaeble. 2001. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-112 Surficial geology of the Brainerd quadrangle, Crow Wing County, Minnesota.** H.C. Hobbs. 2001. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-113 Surficial geology of the Gull Lake quadrangle, Cass and Crow Wing Counties, Minnesota.** H.C. Hobbs. 2001. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-114 Bedrock geologic map of the Eagles Nest quadrangle, St. Louis County, Minnesota.** M.A. Jirsa, T.J. Boerboom, and D.M. Peterson, compilers. 2001. Scale 1:24,000. Paper plot-**\$10.00.** Data CD also available-**\$5.50.**
- ***M-115 Surficial geology of the St. Cloud 30 x 60 minute quadrangle, central Minnesota.** G.N. Meyer, A.R. Knaeble, and J.B. Ellingson. 2001. Scale 1:100,000. Paper plot-**\$15.50.**
- ***M-116 Aggregate resource potential of Chisago County, Minnesota.** G.N. Meyer, and B.A. Lusardi, compilers. 2001. 2 pls. Scale 1:100,000. *Pl. 1, surficial geology; pl. 2, aggregate endowment; each sheet, \$10.00.* Complete set paper plots-**\$20.00.** Data CD also available-**\$5.50.**
- ***M-117 Superimposed magnetic on gravity anomaly map of the Central Duluth Complex and western part of the Beaver Bay Complex, Lake and St. Louis Counties, Minnesota.** V.W. Chandler. 2001. Scale 1:100,000. Paper plot-**\$10.00.**
- ***M-118 One hundred years of mining: alterations to the physical and cultural geography of the western half of the Mesabi Iron Range, northern Minnesota.** R.S. Lively, G.B. Morey, and E.J. Bauer. 2002. 4 pls. Scale 1:100,000. *Pl. 1, land-surface topography; pl. 2, drainage and cultural features; pl. 3, topographic disturbance; pl. 4 bedrock geology; each sheet, \$12.50.* Complete set paper plots-**\$50.00.**
- ***M-119 Geologic map of the Duluth Complex and related rocks, northeastern Minnesota.** J.D. Miller, Jr., J.C. Green, M.J. Severson, V.W. Chandler, and D.M. Peterson. 2001. Scale 1:200,000 and 1:500,000. *2 sheets; each sheet, \$17.50.* Complete set paper plots-**\$35.00.** (See also *Report of Investigations 58.*)
- ***M-120 Superimposed magnetic on gravity anomaly map of the Duluth Complex and related rocks, northeastern Minnesota.** V.W. Chandler. 2001. Scale 1:200,000. Paper plot-**\$17.00.**
- ***M-121 Geologic map of pre-Cretaceous bedrock in southwest Minnesota.** D.L. Southwick. 2002. Scale 1:250,000. Paper plot-**\$10.50.**



- ***M-122 Superimposed magnetic on gravity anomaly map of southwest Minnesota.** V.W. Chandler. 2002. Scale 1:250,000. Paper plot-**\$10.50.**
- ***M-123 Surficial geology of the Big Lake quadrangle, Sherburne and Wright Counties, Minnesota.** B.A. Lusardi. 2002. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-124 Surficial geology of the Elk River quadrangle, Sherburne, Wright, and Anoka, Counties Minnesota.** B.A. Lusardi. 2002. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-125 Bedrock geologic map of Voyageurs National Park and vicinity, Minnesota.** C.B. Hemstad, D.L. Southwick, and R.W. Ojakangas. 2002. Scale 1:50,000. Paper plot-**\$16.50.**
- ***M-126 Bedrock topographic and depth to bedrock maps of the western half of the Mesabi Iron Range, northern Minnesota.** M.A. Jirsa, D.R. Setterholm, B.A. Bloomgren, and R.S. Lively. 2002. Scale 1:100,000. Paper plot-**\$16.50.**
- ***M-127 Surficial geology of the French River and Lakewood quadrangles, St. Louis County, Minnesota.** H.C. Hobbs. 2002. Scale 1:24,000. Paper plot-**\$12.50.** (See also M-128 for bedrock geologic map.)
- ***M-128 Bedrock geology of the French River and Lakewood quadrangles, St. Louis County, Minnesota.** T.J. Boerboom, J.C. Green, and M.A. Jirsa. 2002. Scale 1:24,000. Paper plot-**\$12.50.** (See also M-127 for surficial geologic map.)
- ***M-129 Bedrock geology of the Knife River quadrangle, St. Louis and Lake Counties, Minnesota.** T.J. Boerboom, J.C. Green, and M.A. Jirsa. 2002. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-137 for surficial geologic map.)
- ***M-130 Surficial geology of the Faribault 30 x 60 minute quadrangle, south-central Minnesota.** B.A. Lusardi, H.C. Hobbs, and C.J. Patterson. 2002. Scale 1:100,000. Paper plot-**\$15.50.**
- ***M-131 Aggregate resource potential of Itasca County, Minnesota.** G.N. Meyer, M.A. Jirsa, and C.E. Jennings. 2005. 6 pls. Scale 1:100,000. Paper plots. *Pl. 1, surficial geology of northwest Itasca County; pl. 2, aggregate endowment of northwest Itasca County; pl. 3, surficial geology of northeast Itasca County; pl. 4, aggregate endowment of northeast Itasca County; pl. 5, surficial geology of southeast Itasca County; pl. 6, aggregate endowment of southeast Itasca County; each sheet \$12.50. Complete set-**\$75.00.***
- ***M-132 Maps of bedrock geology and superimposed magnetic on gravity (SMOG) anomaly for east-central Minnesota.** (Companion to MGS Information Circular 42 & Open File Report 95-1.) M.A. Jirsa, V.W. Chandler, R.S. Lively, and T.J. Boerboom. 2003. Scale 1:200,000. Paper plot-**\$12.50.**
- ***M-133 Surficial geology of the Crown quadrangle, Anoka and Isanti Counties, east-central Minnesota.** B.A. Lusardi. 2003. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-134 Surficial geology of the Lake Fremont quadrangle, Sherburne, Isanti, and Anoka Counties, east-central Minnesota.** B.A. Lusardi. 2003. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-135 Bedrock geology of the Mankato West quadrangle, Blue Earth, Le Sueur, and Nicollet Counties, Minnesota.** J.H. Mossler. 2003. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-136 Bedrock geology of the Mankato East quadrangle, Blue Earth, Le Sueur Counties, Minnesota.** J.H. Mossler. 2003. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-137 Surficial geology of the Knife River quadrangle, St. Louis and Lake Counties, Minnesota.** H.C. Hobbs. 2003. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-129 for bedrock geologic map.)
- ***M-138 Surficial geology of the Two Harbors quadrangle, Lake County, Minnesota.** H.C. Hobbs. 2003. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-139 for bedrock geologic map.)
- ***M-139 Bedrock geology of the Two Harbors quadrangle, Lake County, Minnesota.** T.J. Boerboom, J.C. Green, and J.D. Miller, Jr. 2003. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-138 for surficial geologic map.)
- ***M-140 Bedrock geology of the Castle Danger quadrangle, Lake County, Minnesota.** T.J. Boerboom, J.C. Green, and J.D. Miller, Jr. 2003. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-144 for surficial geologic map.)



- ***M-141 Bedrock geology of the Vermillion Lake 30' X 60' quadrangle, northeastern Minnesota.** M.A. Jirsa and T.J. Boerboom. 2003. Scale 1:100,000. Paper plot-**\$15.50.**
- ***M-142 Surficial geology of the Silver Creek quadrangle, Sherburne and Wright Counties, Minnesota.** B.A. Lusardi. 2004. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-143 Surficial geology of the Monticello quadrangle, Sherburne and Wright Counties, Minnesota.** B.A. Lusardi. 2004. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-144 Surficial geology of the Castle Danger quadrangle, Lake County, Minnesota.** H.C. Hobbs. 2004. Scale 1:24,000. Paper plot-**\$10.00.** (See also M-140 for bedrock geologic map.)
- ***M-145 Bedrock geology of the Judson quadrangle, Blue Earth and Nicollet Counties, Minnesota.** A.C. Runkel and J.H. Mossler. 2004. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-146 Bedrock geology of the Good Thunder quadrangle, Blue Earth County, Minnesota.** A.C. Runkel and J.H. Mossler. 2004. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-147 Bedrock geology of the Split Rock Point quadrangle, Lake County, Minnesota.** T.J. Boerboom and J.C. Green. 2004. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-148 Bedrock geology of the Ely and Basswood Lake 30' x 60' quadrangles, northeast Minnesota.** M.A. Jirsa and J.D. Miller, Jr. 2004. Scale 1:100,000. Paper plot-**\$15.50.**
- ***M-149 Bedrock geology of the Courtland quadrangle, Blue Earth, Brown, and Nicollet Counties, Minnesota.** A.C. Runkel. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-150 Bedrock geology of the Cambria quadrangle, Blue Earth, Brown and Nicollet Counties, Minnesota.** A.C. Runkel. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-151 Surficial geology of the Annandale quadrangle, Stearns and Wright Counties, Minnesota.** B.A. Lusardi. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-152 Surficial geology of the Buffalo West quadrangle, Wright County, Minnesota.** B.A. Lusardi. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-153 Bedrock geology of the Stillwater quadrangle, Washington County, Minnesota.** J.H. Mossler. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-154 Bedrock geology of the Hudson quadrangle, Washington County, Minnesota.** J.H. Mossler. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-155 Bedrock geology of the Two Harbors Northeast quadrangle, Lake County, Minnesota.** T.J. Boerboom and J.C. Green. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
- ***M-156 Surficial geology of the Austin 30' x 60' quadrangle, southeastern Minnesota.** H.C. Hobbs. 2005. Scale 1:100,000. Paper plot-**\$16.00.**
- ***M-157 Land-surface topography of the eastern half of the Mesabi Iron Range, northern Minnesota. 1899 and 1999.** R.S. Lively, E.J. Bauer, and M.A. Jirsa. 2005. 3 pls. Scale 1:100,000. *Pl. 1, 1899 map of land-surface topography, surface hydrology, and infrastructure; pl. 2, 1999 map of land surface topography, surface hydrology, and infrastructure; pl. 3, shaded-relief map showing elevation differences between the 1899 and 1999 land-surface topography; each sheet \$10.00.* Complete set paper plots-**\$30.00.**
- ***M-158 Bedrock geology database, bedrock topography, and depth to bedrock maps of the eastern half of the Mesabi Iron Range, northern Minnesota.** M.A. Jirsa, D.R. Setterholm, B.A. Bloomgren, E.J. Bauer, and R.S. Lively. 2005. 3 pls. Scale 1:100,000. *Pl. 1, bedrock geology and database map; pl. 2, bedrock topography map; pl 3, depth to bedrock; each sheet \$10.00.* Complete set paper plots-**\$30.00.**
- ***M-159 Bedrock geology of the Babbitt quadrangle, St. Louis and Lake Counties, Minnesota.** J.D. Miller, Jr. and M.J. Severson. 2005. Scale 1:24,000. Paper plot-**\$10.00.**



- ***M-160 Bedrock geology of the Babbitt Northeast quadrangle, St. Louis and Lake Counties, Minnesota.** J.D. Miller, Jr. and M.J. Severson. 2005. Scale 1:24,000. Paper plot-**\$10.00.**
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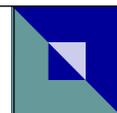
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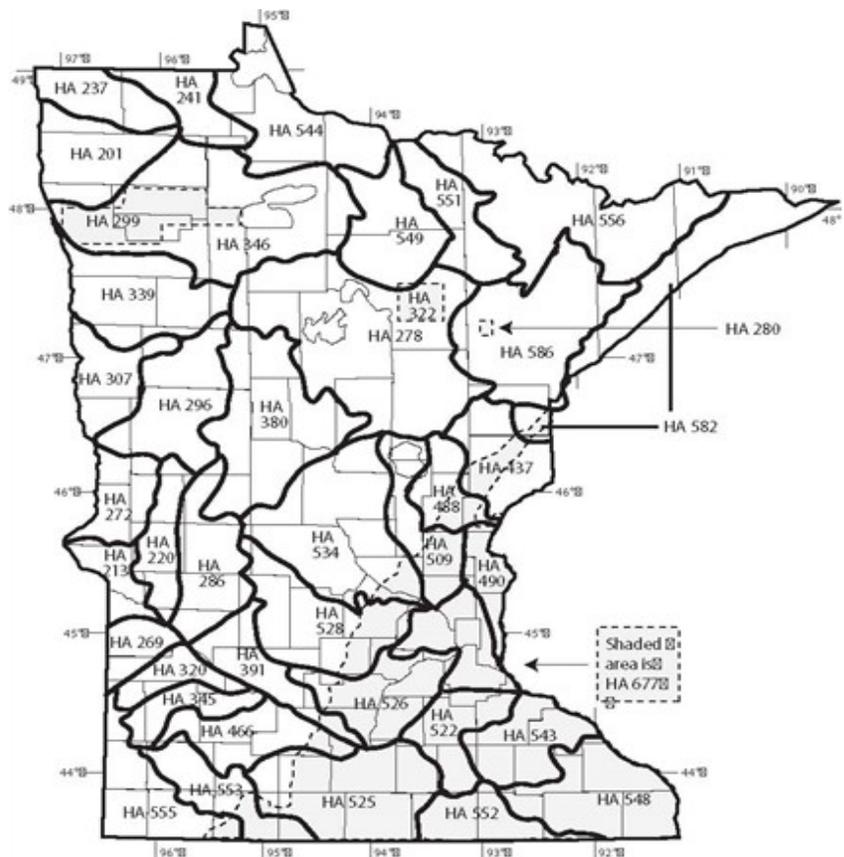
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