

**LIST OF**

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# **PUBLICATIONS**

WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

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**SUPPLEMENT FOR EDUCATORS**  
2008 EDITION



**LIST OF**

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# PUBLICATIONS

WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

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## SUPPLEMENT FOR EDUCATORS 2008 EDITION

This supplement to the *List of Publications* of the Wisconsin Geological and Natural History Survey was originally prepared by members of the Wisconsin Earth Science Teachers' Association during 1996 and 1997 in response to requests from teachers throughout Wisconsin for a more "teacher friendly" ordering system for WGNHS materials. The WESTA officers met with the WGNHS staff in 1995 and agreed that a closer relationship between the two groups would benefit them both and potentially increase awareness and use of the Survey materials by teachers. The WESTA and WGNHS representatives created the first edition of this supplement in 1998; some items were added by the WGNHS for the 2000 edition. The 2008 edition lists additional publications.

Each item is described in detail, stressing potential classroom uses. Price information, including discounts where applicable, is listed. Order blanks are also included.

The original contributors to this supplement included the following:

Karyl Rosenberg: 1997–98 WESTA President  
Joe Riederer: 1996–97 WESTA President  
Mark Poggensee: 1995–96 WESTA President  
Ron Hennings: WGNHS Assistant Director

*Prices and availability subject to change without notice.*



## C LIMATOLOGY REPORTS

### *Wind Atlas of Wisconsin*

Includes annual and monthly averages of wind speed and prevailing direction, which carry information about where the air in a region has come from, helping to characterize it by temperature, humidity, dustiness, insects, and airborne chemicals. Also included is an annotated bibliography for those who want to find more extensive information. Heavily illustrated. 47 p. 8.5 x 11 inches.

**Bulletin 94 \$10.00**

**(30% disc. \$7.00)**

### *A Tornado Climatology for Wisconsin*

Description of the conditions that can lead to severe storms and tornado formation and an overview of the historical record for Wisconsin tornadoes. Many maps show the distribution of tornadoes over time and space. 29 p. Size: 8.5 x 11 inches.

**Bulletin 100 \$8.00**

**(30% disc. \$5.60)**

## N ATURAL HISTORY REPORTS

### *Distribution and Habitat Descriptions of Wisconsin Lake Plants*

A catalog that features technical information and detailed drawings for more than 100 species of lake plants that range from the rare to the commonplace. Wire bound with plastic cover. 266 p. 4.5 x 8.5 inches.

**Bulletin 96 \$15.00**

**(30% disc. \$10.50)**

### *An Introduction to Wisconsin Wetlands: Plants, Hydrology, and Soils*

Description of the different types of wetlands in Wisconsin and their importance to the surrounding landscape. Illustrated with black and white photographs. 19 p. Size: 6 x 9 inches.

**Educational Series 12 \$0.50**

**(30% disc. \$0.35)**

### *A Voyageur's Guide to the Lower Wisconsin River*

A general guide that includes geography, geology, vegetation, animal life, and Native Americans, plus references. 27 p. Size: 6 x 9 inches.

**Field Trip Guide Book 10 \$3.00**

**(30% disc. \$2.10)**

## G EOLOGY REPORTS

### *Pleistocene Geology of Dane County, Wisconsin*

Description of the geologic history of Dane County. The preface points out the significance of glacial landscape research at WGNHS over the past century. Many pictures and diagrams and a four-color map and cross sections show the striking differences between glaciated and unglaciated regions of the county. Map and cross sections are folded. Sizes: booklet 8.5 x 11; map (scale 1:100,000) 39 x 24 inches; cross sections 32 x 24 inches.

**Bulletin 95 \$15.00**

**(30% disc. \$10.50)**

***Geology of Sauk County, Wisconsin***

Geologic history and description of Sauk County, the home of Devils Lake and Parfrey's Glen. 68 p.; includes four-color bedrock map and cross sections. Map and cross sections are folded. Sizes: booklet 8.5 x 11; map (scale 1:100,000) 24.5 x 34.5 inches; cross sections 24 x 38 inches.

**Information Circular 67 \$11.00 (30% disc. \$7.70)**

*Note: Reports with maps describing the geology of a number of other counties are available. Please see the listing in the List of Publications under WGNHS maps, County map series, Geologic maps.*

***Paleozoic Nomenclature of Wisconsin***

Large chart showing a stratigraphic column of Paleozoic rocks in Wisconsin using standard symbols. Names according to correlated ages. Unfolded size: 17 x 22 inches.

**Information Circular 8 \$2.00 (30% disc. \$1.40)**

***Stones Used in the State Capitol***

Brief descriptions of the various kinds of marbles, granites, and limestones that make up different parts of the State Capitol building in Madison. No illustrations. 4 p. Size: 8.5 x 11 inches.

**Educational Series 1 \$0.50 (30% disc. \$0.35)**

***The Ice Age Geology of Devils Lake State Park***

A good source of information concerning the glacial history of Devils Lake. Folded two-color map included. 28 p. Sizes: booklet 4 x 11 inches; map (scale 1:24,000) 18 x 24 inches.

**Educational Series 35 \$4.00 (30% disc. \$2.80)**

***Glaciation of Wisconsin [third edition]***

Brief technical description of Wisconsin's geologic history, glacial phases and lobes, and correlation and distribution of Pleistocene units. Heavily illustrated. 4 p. Size: 8.5 x 11 inches.

**Educational Series 36 \$1.00 (30% disc. \$0.70)**

***Landscapes of Dane County, Wisconsin***

Explains the geologic causes of the county's natural landscape and follows each description with an exploration of the parts of the county that showcase specific geologic features. Includes a folded full-color map that shows the surface geology and locations of parks. Heavily illustrated. 43 p. Size 4 x 9 inches.

**Educational Series 43 \$8.00 (30% disc. \$5.60)**

***Common Paleozoic Fossils of Wisconsin***

Describes how and where fossils form, what fossils tell us about ancient environments, how to collect fossils, and where to look for them. Heavily illustrated. 25 p. Size: 8.5 x 11 inches.

**Educational Series 45 \$7.00 (30% disc. \$4.90)**

***The Potential for Diamond-Bearing Kimberlite in Northern Michigan and Wisconsin***

A technical description of the potential for diamond-bearing formations in northern Wisconsin. Size: 8.5 x 11 inches.

**USGS Circular 842 \$0.50 (30% disc. \$0.35)**

***Wisconsin Mineral Locality Index, in Rocks and Minerals magazine***

Twenty-two page annotated listing by county of quarries, mines, and outcrops that contain Wisconsin minerals. Includes more than 30 full-color photographs of distinctive minerals. Full November/December 1998 issue; magazine also includes other articles about minerals and fossils. Size: 8 x 10.8 inches.

***Rocks and Minerals* \$6.00 (30% disc. \$4.20)**

## **D**IGITAL INFORMATION

***Geologic/hydrogeologic data***

Data extracted from published maps are now available on CD-ROMs; data are in ArcInfo® export format (.e00) and are suitable for use in geographic information systems that accept this format. Each CD contains data, metadata, an Adobe® Acrobat® PDF file of the map, and a PDF of any accompanying report.

- Bulletin 90-DI** *Pleistocene Geology of Taylor County, Wisconsin*
  - Bulletin 93-DI** *Pleistocene Geology of Lincoln County, Wisconsin*
  - Bulletin 95-DI** *Pleistocene Geology of Dane County, Wisconsin*
  - Bulletin 99-DI** *Pleistocene Geology of Waukesha County, Wisconsin*
  - Bulletin 101-DI** *Geology of La Crosse County, Wisconsin*
  - Bulletin 103-DI** *Pleistocene Geology of Chippewa County, Wisconsin*
  - Information Circular 50-DI** *Pleistocene Geology of Vilas County, Wisconsin*
  - Information Circular 51-DI** *Pleistocene Geology of Florence County, Wisconsin*
  - Information Circular 52-DI** *Pleistocene Geology of Langlade County, Wisconsin*
  - Information Circular 61-DI** *Pleistocene Geology of Forest County, Wisconsin*
  - Information Circular 67-DI** *Geology of Sauk County, Wisconsin*
  - Miscellaneous Map 47-DI** *Generalized Water-Table Elevation Map of Trempealeau County, Wisconsin*
  - Miscellaneous Map 54-DI** *Depth to Bedrock Map of Sauk County, Wisconsin*
  - Miscellaneous Map 55-DI** *Water-Table Elevation Map of Sauk County, Wisconsin*
  - Miscellaneous Map 56-DI** *Water-Table and Aquifer-Susceptibility Maps of Calumet County, Wisconsin*
  - State Map 18-DI** *Bedrock Geologic Map of Wisconsin*
- Each CD-ROM \$25.00 (30% disc. \$17.50)**

# MAPS OF THE ENTIRE STATE

Note: Some of the maps of the entire state of Wisconsin listed here are available in two sizes: at a page-size scale (1:2,730,000) or a larger scale (1:1,000,000, 1:500,000, or other). The larger-scale maps are useful for display and show more detail than the page-size maps; the smaller-scale maps have been generalized to fit the page. All maps are flat, not folded, unless otherwise noted.

## *Landscapes of Wisconsin*

Shows the elevation of Wisconsin through the use of color and shaded relief. Includes explanatory text about the geologic history of the state and more detailed information about 12 of the most prominent features.

**Page-Size Map 8** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 40** (42 x 42 inches; scale 1:500,000)

**\$10.00** (30% disc. **\$7.00**)

## *Bedrock Geology of Wisconsin*

Details the bedrock geology of Wisconsin.

**Page-Size Map 8** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 18** (36 x 24 inches; scale 1:1,000,000; paper copy)

**\$8.00** (30% disc. **\$5.60**)

**State Map 18** (36 x 24 inches; scale 1:1,000,000; plastic copy)

**\$20.00** (30% disc. **\$14.00**)

## *Ice Age Deposits of Wisconsin*

Details the major glacial landforms of Wisconsin.

**Page-Size Map 9** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 19** (14 x 17 inches; scale 1:500,000)

**\$1.00** (30% disc. **\$0.70**)

## *Landforms of Wisconsin*

Shows the major landforms of Wisconsin, including a good overview of river systems.

**Page-Size Map 12** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 28** (with county lines; 21 x 25 inches; scale 1:1,000,000)

**\$2.00** (30% disc. **\$1.40**)

**State Map 29** (without county lines; 21 x 25 inches; scale 1:1,000,000)

**\$2.00** (30% disc. **\$1.40**)

## *State of Wisconsin Shaded Relief*

Map of Wisconsin showing rivers with names, drainage basins, and divides.

Useful in a variety of studies dealing with geography of drainage basins, watershed use, and general water-resource issues. Scale 1:500,000. Size: 45 x 43.25 inches.

**State Map 22** **\$10.00** (30% disc. **\$7.00**)

***Thickness of Unconsolidated Material in Wisconsin***

Shows the depth to bedrock.

**Page-Size Map 18** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 30** (24 x 24 inches; scale 1:1,000,000)

**\$2.00** (30% disc. **\$1.40**)

***Groundwater Contamination Susceptibility in Wisconsin***

Shows how susceptible areas in Wisconsin are to groundwater contamination.

It is based on type of bedrock, depth to bedrock, depth to water table, soil type, and surface deposits.

**Page-Size Map 19** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

***Soil Regions of Wisconsin***

Shows the major soil types of Wisconsin.

**Page-Size Map 20** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 20** (46 x 35 inches; scale 1:710,000)

**\$3.00** (30% disc. **\$2.10**)

***Original Vegetation of Wisconsin***

Based on the original land-survey records compiled between 1832 and 1866.

**Page-Size Map 11** (8.5 x 11 inches; scale 1:2,730,000)

**\$0.25 each** (30% disc. **\$0.17 each**)

**State Map 39** (45 x 40 inches; scale 1:500,000; folded paper copy)

**\$3.00** (30% disc. **\$2.10**)

**State Map 39** (45 x 40 inches; scale 1:500,000; unfolded Tyvec copy)

**\$10.00** (30% disc. **\$7.00**)

***Wisconsin Land Cover, Interpreted from Satellite Imagery***

Shows patterns and features in Wisconsin's land cover. Scale 1:500,000. Size: 42 x 49 inches.

**Land-cover map \$10.00** (30% disc. **\$7.00**)

***Original Vegetation/Wisconsin Land Cover Set***

A Tyvec copy of the *Original Vegetation Map of Wisconsin* and a copy of the *Wisconsin Land Cover* map. Because both maps are the same scale, you can easily compare the way Wisconsin looked in the past to the way it looks in the present.

**Original vegetation/Land cover map set**

**\$17.50** (30% disc. **\$12.25**)

***Page-Size Maps of Wisconsin***

Set of seven page-sized maps: *Bedrock Geology of Wisconsin*, *Early Vegetation of Wisconsin*, *Groundwater Contamination Susceptibility in Wisconsin*, *Ice Age Deposits of Wisconsin*, *Landforms of Wisconsin*, *Soil Regions of Wisconsin*, *Thickness of Unconsolidated Materials in Wisconsin*.

**Page-Size Map 19** (8.5 x 11 inches; scale 1:2,730,000)

**\$1.50/set** (30% disc. **\$1.05**)

*Glacial Deposits of Wisconsin: Sand and Gravel Potential*

A color map showing outwash, ground moraine, end moraine, and glacial deposits. Scale 1:500,000. Physical size: 45 x 43.25.

**State Map 10 \$10.00 (30% disc. \$7.00)**

**Explanatory text for State Map 10 (8.5 x 11 inches; 19 p.)  
\$2.00 (30% disc. \$1.40)**

**CD-ROM version  
\$25.00 (30% disc. \$17.50)**

*Landscapes of Wisconsin*

Shows the elevation of Wisconsin through the use of color and shaded relief. Includes explanatory text about the geologic history of the state and more detailed information about 12 of the most prominent features. Scale 1:500,000. Size 42 x 42 inches.

**State Map 40 \$10.00 (30% disc. \$7.00)**

## **M**APS OF PARTS OF THE STATE

*Pleistocene Geology of Superior Region, Wisconsin*

Glacial features of the northwestern part of the state. Scale 1:250,000. Size: 28 x 37 inches.

**Regional Map 3 \$6.00 (30% disc. \$4.20)**

*Bedrock Geology of Wisconsin, Northeast Sheet*

Types of bedrock, formation names, major faults, and time period of formation. Scale 1:250,000. Size: 28 x 37 inches.

**Regional Map 4 \$6.00 (30% disc. \$4.20)**

*Bedrock Geology of Wisconsin, Northwest Sheet*

Types of bedrock, formation names, major faults and time period of formation. 2 sheets. Scale 1:250,000. Size: 36 x 22.5 inches.

**Regional Map 5 \$6.00 (30% disc. \$4.20)**

*Bedrock Geology of Wisconsin, West-Central Sheet*

Types of bedrock, formation names, major faults and time period of formation. Scale 1:250,000. Size: 28 x 37 inches.

**Regional Map 6 \$6.00 (30% disc. \$4.20)**

*Glacial landforms of the Southern Green Bay Lobe, southeastern Wisconsin*

Shows the features (such as drumlins, moraines, and eskers) created by the southern part Green Bay Lobe of the Laurentide Ice Sheet in the southeastern part of Wisconsin. Scale 1:250,000. Size 35 x 30 inches. (Plot on demand.)

**Miscellaneous Map 52 \$15.00 (30% disc. \$10.50)**

*Water Resources of Wisconsin: Central Wisconsin Basin*

A set of four maps along with charts and diagrams of the hydrologic system of the central Wisconsin River Basin. Includes physical setting, availability and quality of groundwater, and related information. Scale 1:500,000. Size: 36 x 24 inches.

**USGS HA-367 \$10.00 (no discount)**

***Topographic Map Series: 7.5-minute quadrangles***

The most detailed topographic maps available from U.S. Geological Survey. All-purpose maps that can be useful for a variety of activities such as land-form identification, cross-section drawing, and determining elevations. Scales 1:24,000 or 1:25,000.

**USGS topo quad map \$4.75 (no discount)**

***Topographic Map Series: County maps***

Topographic maps of each county in Wisconsin. Include contours, elevations, roads, cities and other manmade features, water features, woodland areas, geographic names. Same sorts of uses as the quadrangle maps. Scale 1:100,000. Physical size varies with county size.

**USGS topo county map \$7.00 (no discount)**

***Topographic Map Series: 30 x 60 minute maps***

Topographic features of Wisconsin and immediate surrounding areas by latitude and longitude. All-purpose maps. Same sorts of uses as the quadrangle maps. 52 maps available. Scale 1:100,000. Size: 29 x 40 inches.

**USGS 30 x 60 minute topo map \$7.00 (no discount)**

***Topographic Map Series: 1 x 2 degree maps***

Topographic features of Wisconsin and immediate surrounding areas by latitude and longitude. All-purpose maps, helpful in showing the regions of the state. Same sorts of uses as the quadrangle maps. 19 maps available. Scale 1:250,000. Size: 22 x 32 inches.

**USGS 1 x 2 degree topo map \$7.00 (no discount)**

***Index to USGS Topographic Maps of Wisconsin***

Helpful in determining the names of the various U.S. Geological Survey topographic maps (listed above) that you may wish to purchase. Scale: 1:1,000,000. Size 27 x 27 inches.

**Bibliography and Index 1 Free**

## **M**ISCELLANEOUS ITEMS

***Rock Set***

A set of excellent-quality samples of granite, dolostone, sandstone, shale, gravel/sand, quartzite, iron ore, and basalt that are representative of the important rocks and minerals of Wisconsin. A 16-page explanation accompanies the set. A good starter set for a regional rock collection.

**Rock Set \$16.50 (no discount)**

***Groundwater and Land Use in the Water Cycle***

Shows the relationship of the continuous water recycling process to the way land is used.

**Water-cycle poster (24.5 x 37 inches)**

**\$1.00 (30% disc. \$0.70)**

**Small water-cycle poster (11 x 17 inches)**

**\$0.25 (30% disc. \$0.17)**

***Groundwater: Protecting Wisconsin's Buried Treasure***

An easy-to-understand introduction to groundwater concepts. Dispels common misconceptions about groundwater, describes protection measures, and lists contact information for state agencies that can provide further information. Includes small version of water-cycle poster and many other full-color illustrations. 32 p.

**Wisconsin's Buried Treasure \$0.50 (30% disc. \$0.35)**

***Roadside Geology of Wisconsin***

In 35 road guides, the authors explain the geological underpinnings of the landscape along major Wisconsin highways and in more than 60 state, county, and city parks. Well illustrated with more than 200 figures, maps, and photographs; 346 p. 6 x 9 inches.

**Roadside Geology \$20.00 (30% disc. \$14.00)**

***Wisconsin's Foundations***

A review of the state's geology and its influence on geography and human activity. Many figures, maps, and photographs; 211 p. 8.5 x 11 inches.

**Wisconsin's Foundations \$25.00 (30% disc. \$17.50)**

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**I**nterested in a complete listing of publications of the Wisconsin Geological and Natural History Survey? Call (608/263.7389), fax (608/262.8086), or email (mapsales@uwex.edu) your request for a free list of publications. Or visit the Survey's web site, <[www.uwex.edu/wgnhs](http://www.uwex.edu/wgnhs)>.





