

# Wisconsin DNR 2003 Watersheds

Metadata also available as

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- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Wisconsin Dept. of Natural Resources

*Publication\_Date:* 2002

*Publication\_Time:* Unknown

*Title:* Wisconsin DNR 2003 Watersheds

*Geospatial\_Data\_Presentation\_Form:* vector digital data

##### *Publication\_Information:*

*Publication\_Place:* Madison, WI

*Publisher:* Wisconsin Dept. of Natural Resources (DNR)

*Online\_Linkage:* <<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>>

*Online\_Linkage:* <<ftp://gomapout.dnr.state.wi.us/geodata/>>

*Online\_Linkage:*

<<ftp://gomapout.dnr.state.wi.us/geodata/watersheds/watersheds.zip>>

*Online\_Linkage:* <<http://maps.dnr.state.wi.us/imf/dnrimf.jsp?site=webview.geodata>>

*Online\_Linkage:* <<http://maps.dnr.state.wi.us/webview/>>

##### *Larger\_Work\_Citation:*

##### *Citation\_Information:*

##### *Publication\_Information:*

*Publication\_Place:* Madison, WI

*Publisher:* Wisconsin DNR

*Description:*

*Abstract:*

This data set is a polygon shapefile representing watersheds as delineated by the Wisconsin DNR. The data are compiled from 1:24,000-scale topographic maps. DNR watershed delineations generally indicate areas that drain into a common river system or lake, but may also be based on DNR basin management criteria. The custodian of this data set is the DNR Bureau of Watershed Management (WT).

*Purpose:*

The watershed boundary delineations in this data set are used primarily to prepare reference basemaps for the DNR Nonpoint Source Water Pollution Abatement Program, also generally known as the Priority Watershed Program. Priority watershed projects are designed to address water quality problems caused by nonpoint sources of pollution in selected watersheds. The data are intended for use with ArcView, ArcInfo, or other GIS software which support shapefile format data.

*Supplemental\_Information:*

Additional information about Wisconsin DNR Basins, Watersheds, Water Management Units and Geographic Management Units is available on the DNR website: <<http://dnr.wi.gov/org/gmu/index.htm>>.

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Range\_of\_Dates/Times:*

*Beginning\_Date:* 1992

*Ending\_Date:* December 2004

*Currentness\_Reference:* Date of data entry or update

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As needed

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -92.964215

*East\_Bounding\_Coordinate:* -86.666063

*North\_Bounding\_Coordinate:* 47.083096

*South\_Bounding\_Coordinate:* 42.456926

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* None

*Theme\_Keyword:* watersheds

*Theme\_Keyword:* drainage

*Theme\_Keyword:* basins

*Theme\_Keyword:* boundaries

*Theme\_Keyword:* environment

*Theme\_Keyword:* inlandWaters

*Place:*

*Place\_Keyword\_Thesaurus:* None

*Place\_Keyword:* Wisconsin

*Access\_Constraints:* None

*Use\_Constraints:* None

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Wisconsin DNR Bureau of Watershed Management

*Contact\_Position:* Surface Water Modeler

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 7921

*City:* Madison

*State\_or\_Province:* WI

*Postal\_Code:* 53707-7921

*Country:* USA

*Contact\_Voice\_Telephone:* (608) 266-0856

*Contact\_Facsimile\_Telephone:* (608) 267-7664

*Contact\_Electronic\_Mail\_Address:* Jeff.Kreider@dnr.state.wi.us

*Hours\_of\_Service:* Normal business hours, or as available

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 1; ESRI ArcCatalog 8.3.0.800

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*Data\_Quality\_Information:*

*Logical\_Consistency\_Report:*

The source ArcInfo coverages had polygon topology with no dangling arcs. No errors were reported upon conversion to shapefiles.

*Completeness\_Report:*

All 72 counties of Wisconsin are represented. Islands in Lake Michigan and Lake Superior belonging to Wisconsin counties are also represented.

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* USGS

*Publication\_Date:* Varies

*Title:* 7.5-minute (1:24,000-scale) Topographic Map Series

*Geospatial\_Data\_Presentation\_Form:* Map

*Publication\_Information:*

*Publication\_Place:* Reston, VA

*Publisher:* USGS

*Source\_Scale\_Denominator:* 24000

*Type\_of\_Source\_Media:* paper

*Source\_Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* Varies

*Source\_Currentness\_Reference:* Map publication dates

*Source\_Citation\_Abbreviation:* USGS 24K topo maps

*Source\_Contribution:* Line geometry

*Process\_Step:*

*Process\_Description:*

The DNR Watersheds data layer was developed cooperatively by DNR's Bureau of Watershed Management (WT) and Geographic Services Section (GEO). WT personnel watershed lines onto USGS 7.5-minute (1:24,000-scale) maps by interpreting topographic and hydrologic information. Those lines were digitized, and WT's watershed codes and the major/minor drainage basin codes used by DNR's Bureau of Fisheries Management and Habitat Protection (FH) were linked to the resulting polygons. Further modifications were made to some watershed boundaries based on management criteria determined by WT. Additional terms were added, and ArcInfo region and route feature classes created meet WT needs.

The DNR Watershed polygon features shapefile is periodically re-created from the "watershed" region feature class in the DNR Watersheds coverage "wsdnw924."

*Process\_Date:* 1992 - 2004

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:*

Wisconsin Department of Natural Resources, Bureau  
of Watershed Management

*Contact\_Position:* Surface Water Modeler

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 7921

*City:* Madison

*State\_or\_Province:* WI

*Postal\_Code:* 53707-7921

*Country:* USA

*Contact\_Voice\_Telephone:* (608) 266-0856

*Contact\_Facsimile\_Telephone:* (608) 267-7664

*Contact\_Electronic\_Mail\_Address:* Jeff.Kreider@dnr.state.wi.us  
*Hours\_of\_Service:* Normal business hours or as available

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 334

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Transverse Mercator

*Transverse\_Mercator:*

*Scale\_Factor\_at\_Central\_Meridian:* 0.999600

*Longitude\_of\_Central\_Meridian:* -90.000000

*Latitude\_of\_Projection\_Origin:* 0.000000

*False\_Easting:* 520000.000000

*False\_Northing:* -4480000.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* coordinate pair

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 0.001024

*Ordinate\_Resolution:* 0.001024

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* D\_North\_American\_1983\_HARN

*Ellipsoid\_Name:* Geodetic Reference System 80

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* wsdrwats

*Entity\_Type\_Definition:* Shapefile Attribute Table

*Entity\_Type\_Definition\_Source:* Wisconsin DNR

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* AREA

*Attribute:*

*Attribute\_Label:* PERIMETER

*Attribute:*

*Attribute\_Label:* WATSHED\_

*Attribute:*

*Attribute\_Label:* WATSHED\_ID

*Attribute:*

*Attribute\_Label:* WSHED\_NM

*Attribute\_Definition:*

The DNR's 8-character watershed identification code. The first 2 characters identify the DNR Management River Basin to which the watershed is assigned. The DNR completes Water Quality Management Plans for each of the state's Management River Basins, including data on groundwater and surface water quality, along with recommendations for improvement. Data from basin plans are used to identify Priority Watershed projects for the DNR Nonpoint Source Water Pollution Abatement Program. Characters 3 and 4 uniquely identify each watershed assigned to a given Water Quality Management Plan. Numbers are sequential, beginning with "1", and with a leading "0" for 1-digit numbers. The fifth character is a dash ("-"). Characters 6 through 8 include the 3-digit Environmental Standards River Basin code; these units are generally subdivisions of DNR Management River Basins, and include multiple watersheds.

*Attribute\_Definition\_Source:* DNR Bureau of Watershed Management

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Character field

*Attribute:*

*Attribute\_Label:* PWSSTAT\_CD

*Attribute\_Definition:*

Indicates the status of the Nonpoint Priority Watershed project corresponding to the watershed. If the watershed has not yet been so designated, this item is blank.

*Attribute\_Definition\_Source:* DNR Bureau of Watershed Management

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* C

*Enumerated\_Domain\_Value\_Definition:* Completed (watershed project has been completed)

*Enumerated\_Domain\_Value\_Definition\_Source:* DNR Bureau of Watershed Management

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* I

*Enumerated\_Domain\_Value\_Definition:*

Implementation (watershed project is in the implementation phase)

*Enumerated\_Domain\_Value\_Definition\_Source:* DNR Bureau of Watershed Management

*Attribute:*

*Attribute\_Label:* NPS\_PR\_YR

*Attribute\_Definition:*

Year in which the watershed was designated a Priority Watershed for inclusion in the Nonpoint Source Water Pollution Abatement Program. If the watershed has not yet been so designated, this item is blank.

*Attribute\_Definition\_Source:* DNR Bureau of Watershed Management

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 1995

*Attribute:*

*Attribute\_Label:* WSHED\_CD

*Attribute\_Definition:* DNR Watershed code

*Attribute\_Definition\_Source:* DNR Bureau of Watershed Management

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* DNR Watershed Codes

*Codeset\_Source:* DNR Bureau of Watershed Management

*Attribute:*

*Attribute\_Label:* NPSRNK\_ALL

*Attribute:*

*Attribute\_Label:* NPSRNK\_STR

*Attribute:*

*Attribute\_Label:* NPSRNK\_LK

*Attribute:*

*Attribute\_Label:* NPSRNK\_GW

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*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Wisconsin Department of Natural Resources

*Contact\_Position:* GIS Data Specialist

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 7921

*City:* Madison

*State\_or\_Province:* WI

*Postal\_Code:* 53707-7921

*Country:* USA

*Contact\_Voice\_Telephone:* (608) 264-8916

*Contact\_Facsimile\_Telephone:* (608) 266-0870

*Contact\_Electronic\_Mail\_Address:* John.Laedlein@dnr.state.wi.us

*Hours\_of\_Service:* Normal business hours or as available

*Resource\_Description:* Downloadable data

*Distribution\_Liability:*

<<http://www.dnr.state.wi.us/org/legal/WebSiteLegalInformation.html>>

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* ESRI shapefile

*Transfer\_Size:* 11.131

*Digital\_Transfer\_Option:*

*Online\_Option:*

*Computer\_Contact\_Information:*

*Network\_Address:*

*Network\_Resource\_Name:*

<[ftp://gomapout.dnr.state.wi.us/geodata/watersheds/DNR\\_watersheds.zip](ftp://gomapout.dnr.state.wi.us/geodata/watersheds/DNR_watersheds.zip)>

*Access\_Instructions:* Download from DNR ftp site.

*Offline\_Option:*

*Offline\_Media:* CD-ROM

*Recording\_Format:*

Compatibility\_Information ISO 9660 format allows the CDROM to be read by most computer

*Ordering\_Instructions:*

Refer to the DNR GIS website: <<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>>

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20040421, 20060703

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Wisconsin DNR, Bureau of Technology Services

*Contact\_Position:* GIS Data Specialist

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* P.O. Box 7921

*City:* Madison

*State\_or\_Province:* WI

*Postal\_Code:* 53707-7921

*Country:* USA

*Contact\_Voice\_Telephone:* 608.264.8914

*Contact\_Facsimile\_Telephone:* 608.266.0870

*Contact\_Electronic\_Mail\_Address:* geodata@dnr.state.wi.us

*Hours\_of\_Service:* Normal business hours or as available

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile

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