

Wisconsin DNR Water Management Units

Metadata also available as

Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Identification_Information:

Citation:

Citation_Information:

Originator: Wisconsin Dept. of Natural Resources

Publication_Date: 2003

Title: Wisconsin DNR Water Management Units

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Madison, WI

Publisher: Wisconsin Dept. of Natural Resources (DNR)

Online_Linkage: <<http://dnr.wi.gov/org/gmu/sidebar/whatis.htm>>

Larger_Work_Citation:

Citation_Information:

Publication_Information:

Publication_Place: Madison, WI

Publisher: Wisconsin DNR

Description:

Abstract:

This data set is a polygon shapefile representing Water Management Units (WMUs) as delineated by the Wisconsin DNR. DNR WMUs are aggregations of DNR Watersheds. The linework was originally 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 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: April 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: -92.964318

East_Bounding_Coordinate: -86.709226

North_Bounding_Coordinate: 47.083075

South_Bounding_Coordinate: 42.457906

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

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 Water Management Units polygon shapefile is periodically recreated from the "wm_unit" 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

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

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

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: wsdrwats

Entity_Type_Definition: Shapefile Attribute Table

Entity_Type_Definition_Source: WiDNR

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_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PERIMETER

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: WATSHED_

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: WATSHED_ID

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: WSHED_ID

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: WSHED_NAME

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: STATUS

Attribute_Definition:

Indicates the status of the Nonpoint Priority Watershed project corresponding to the watershed

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

Enumerated_Domain:

Enumerated_Domain_Value: P

Enumerated_Domain_Value_Definition: Planning (watershed project is in the planning 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

Distribution_Information:

Distributor:

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: 608.264.8916

Contact_Facsimile_Telephone: 608.266.0870

Contact_Electronic_Mail_Address: geodata@dnr.state.wi.us

Hours_of_Service: Normal business hours or as available

Resource_Description: Online 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: 10.384

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

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

Metadata_Reference_Information:

Metadata_Date: 20040326, 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: 608.266.0807

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

Generated by [mp](#) version 2.8.6 on Mon Jul 03 10:03:25 2006