

Wisconsin Rivers & Shorelines from 1:24,000-scale sources

Metadata also available as

Metadata:

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Identification_Information:

Citation:

Citation_Information:

Originator: Wisconsin Department of Natural Resources

Publication_Date: June 2007

Publication_Time: Unknown

Title: Wisconsin Rivers & Shorelines from 1:24,000-scale sources

Edition: Version 6

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Madison, WI

Publisher: Wisconsin Department of Natural Resources

Online_Linkage: <<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>>

Online_Linkage: <ftp://dnrftp01.wi.gov/geodata/hydro_24k/rivers_shorelines.zip>

Online_Linkage: <<http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=webview.geodata>>

Description:

Abstract:

This shapefile includes all line features (arcs) in the 1:24,000-scale Hydrography data model (Version 6). The arcs are attributed to easily define themes based on cartographic or modeling needs. Arc attributes include feature names and Water

Body ID Codes (WBICs).

The Wisconsin Department of Natural Resources (DNR) developed this statewide Hydrography geographic data layer from 1:24,000-scale sources. The 1:24K Hydrography database includes information about surface water features represented on the US Geological Survey's 1:24,000-scale topographic map series such as perennial and intermittent streams, lakes, and so on. A large portion of the DNR's Waterbody Identification Codes (WBICs) have been incorporated into the 24K Hydro layer, along with surface water names from the USGS Geographic Names Information System (GNIS) database. Wetlands delineations are NOT included in the 24K Hydro data layer.

Following the initial release of the 24K Hydrography database in October of 2000, a series of data updates and enhancements have culminated in Version 6 of the 24K Hydro layer, which was completed in June 2007. Version 6 includes data enhancements and corrections.

Purpose:

This shapefile provides a representation of linear surface water features of Wisconsin. It is intended to be used for cartographic and analytic purposes pertaining to linear features, such as hydrographic modeling and linear traces.

Supplemental_Information:

Documents providing additional information about the 24K Hydrography database can be accessed on the DNR internet website, at: <http://www.dnr.state.wi.us/maps/gis/datahydro.html>.

See also the User Advisory enclosed with the metadata.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1944

Ending_Date: 1994

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Unknown

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -92.985457

East_Bounding_Coordinate: -86.659923

North_Bounding_Coordinate: 47.135876

South_Bounding_Coordinate: 42.447783

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: hydrography

Theme_Keyword: water

Theme_Keyword: lakes

Theme_Keyword: rivers

Theme_Keyword: streams

Theme_Keyword: inlandWaters

Theme_Keyword: hydro

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 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_Electronic_Mail_Address: geodata@dnr.state.wi.us

Hours_of_Service: Normal business hours, or as available

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

Data_Quality_Information:

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: US Geological Survey

Publication_Date: Various

Publication_Time: Unknown

Title: 7.5-minute (1:24,000-scale) topographic maps

Source_Scale_Denominator: 24000

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1944

Ending_Date: 1994

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: USGS topo maps

Process_Step:

Process_Description:

Refer to "Wisconsin DNR 24K Hydrography Version 6 Database Design", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_db_design.pdf.

Refer to "Wisconsin DNR 24K Hydrography Version 6 Data Capture and Feature-Coding Decision Rules", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_decision_rules.pdf.

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin DNR, GIS Services Section

Contact_Position: 24K Hydro 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) 267-3875

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Hours_of_Service: Normal business hours or as available

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation: K:\dvgislib\wi_tile\hydro24k\hydnw924\hydlarc.shp.xml

Process_Step:

Process_Description: Dataset copied.

Source_Used_Citation_Abbreviation: K:\gencov\wtm91cov\hyd24k\version6\hydlarc_6

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 388980

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:

Abcissa_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: hydlerc_6

Entity_Type_Definition: Shapefile feature attribute table

Entity_Type_Definition_Source: Wisconsin Department of Natural Resources

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: FNODE_

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute:

Attribute_Label: RPOLY_

Attribute:

Attribute_Label: LENGTH

Attribute:

Attribute_Label: HYDNW924_

Attribute:

Attribute_Label: HYDNW924_I

Attribute:

Attribute_Label: SW_NO

Attribute_Definition:

Surface Water Number; a unique numerical identifier for each arc.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Unrepresentable_Domain: A unique numerical identifier for each arc

Attribute:

Attribute_Label: NEW

Attribute_Definition: Indicates a new arc.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

Indicates an arc that was not present in Version 5 of the 24K

Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

Indicates that this arc was present in Version 5 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: FLIP_CHFLG

Attribute_Definition:

Indicates an arc that has been flipped, or for which the direction of flow has been reversed.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

Direction of flow on the arc has been reversed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

Direction of flow on the arc has not changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: RIVSYSNAME

Attribute_Definition:

River System Name - the name of the river system to which the arc belongs. Names are based on the USGS Geographic Names Information System (GNIS). Excluding in-coming tributaries, any linear water feature holding the same name as the main river to which it is attached would be considered part of that river system.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: GNIS Name

Enumerated_Domain_Value_Definition:

The name provided by the USGS Geographic Names Information System (GNIS). Names apply only to arcs that carry flow.

Enumerated_Domain_Value_Definition_Source: US Geological Survey

Enumerated_Domain:

Enumerated_Domain_Value: Unnamed

Enumerated_Domain_Value_Definition:

No GNIS name for that feature. "Unnamed" applies only to arcs that carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable. "NA" applies to all arcs that do not carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: RIVSYSWBIC

Attribute_Definition:

River System Waterbody ID Code from the DNR's Register of Waterbodies (ROW) database. Excluding incoming tributaries, any linear water feature holding the same WBIC as the main river to which it is attached would be considered part of that river system.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: WBIC

Enumerated_Domain_Value_Definition:

The WBIC provided by the DNR's Register of Waterbodies (ROW) database. WBIC values apply only to arcs that carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

No WBIC provided from ROW to assign to that feature. "0"s apply only to arcs that carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: -1

Enumerated_Domain_Value_Definition:

Not Applicable. "-1" applies to all arcs that do not carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: CARTO

Attribute_Definition: An item that allows for easy cartographic representation.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Yes

Enumerated_Domain_Value_Definition:

Includes the following Linear Types: "BK", "CB", "DC", "ST", "UN". "ZZ"

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: No

Enumerated_Domain_Value_Definition:

Includes the following Linear Types: "EX", "CL", "WG", "OC", "XX", "FP", "CW", "BF"

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: -1

Enumerated_Domain_Value_Definition:

Not Applicable. "-1" applies to all arcs that do not carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: LINEAR_TYP

Attribute_Definition:

A two-character code that indicates the linear hydrographic feature type.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: BF

Enumerated_Domain_Value_Definition: State boundary buffer

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: BK

Enumerated_Domain_Value_Definition: Bank or shoreline

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: CB

Enumerated_Domain_Value_Definition: Cranberry Bog Waterway

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: CL

Enumerated_Domain_Value_Definition: Stream Center Line

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: CW

Enumerated_Domain_Value_Definition: Channel in Water Area

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: DC

Enumerated_Domain_Value_Definition: Ditch or Canal

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: EX

Enumerated_Domain_Value_Definition: Stream Extension

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: FP

Enumerated_Domain_Value_Definition: Flow Potential

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: OC

Enumerated_Domain_Value_Definition: Original Water Course

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: ST

Enumerated_Domain_Value_Definition: Single-line Stream

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: UN

Enumerated_Domain_Value_Definition: Unknown

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: WG

Enumerated_Domain_Value_Definition: Wetland gap connector

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: XX

Enumerated_Domain_Value_Definition: Closure Line

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: ZZ

Enumerated_Domain_Value_Definition:

Convolutd Stream - streams within the floodplain of a convoluted polygon. A convoluted polygon is a delineated section of an extremely complex river which contains so many backwaters and secondary channels that coding of individual features became too difficult to achieve.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: QUADLINE

Attribute_Definition:

Indicates whether or not an arc closes off water polygons at quadrangle boundaries when the water polygons may not match from one quad to the next.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: YES

Enumerated_Domain_Value_Definition: Yes

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NO

Enumerated_Domain_Value_Definition: No

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: DURATION

Attribute_Definition: Indicates the span of time in which the feature contains water.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: PN

Enumerated_Domain_Value_Definition: Perennial (based on cartographic symbolization)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: FX

Enumerated_Domain_Value_Definition:

Fluctuating (based on linear_type and cartographic symbolization, e.g. diffuse connectors and wetland gaps; all are based on linear_types.)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: IT

Enumerated_Domain_Value_Definition: Intermittent (based on cartographic symbolization)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable (for original water courses, channels in rivers,

closure lines, etc.)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: IT

Enumerated_Domain_Value_Definition: Intermittent (based on cartographic symbolization)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable (for original water courses, channels in rivers, closure lines, etc.)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: WBIC_VER

Attribute_Definition:

The 24K Hydro release (version) number to which the WBIC was first added

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in a preliminary release.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 1

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 2

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 3

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 4

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 4

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 5

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 5

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 6

Enumerated_Domain_Value_Definition:

The WBIC was first added to the 24K Hydro data layer in version 6

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: LANDLOCKED

Attribute_Definition:

Indicates whether or not a water feature is part of a landlocked hydrographic network.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: YES

Enumerated_Domain_Value_Definition:

Part of the hydrographic network that does not flow out of the state.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NO

Enumerated_Domain_Value_Definition:

Part of a network that flows into Lake Superior, Lake Michigan or the Mississippi River.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable (for original water courses, channels in rivers, closure lines, etc.)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: FLOW

Attribute_Definition: Indicates whether the flow of water is primary or secondary.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: P

Enumerated_Domain_Value_Definition: Primary flow

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: S

Enumerated_Domain_Value_Definition: Secondary flow

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable. "NA" applies to all arcs that do not carry flow.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: LR_BANK

Attribute_Definition:

Left/Right Bank - Indicates whether the water polygon boundary is on the left or right side. Left and right are determined by the flow direction. Streams, flowages, and 'water polygons with centerlines or flow potential' were given left and right designations. Arcs not satisfying those criteria were coded as not applicable.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: L

Enumerated_Domain_Value_Definition: Left

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: R

Enumerated_Domain_Value_Definition: Right

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition:

Not applicable. "NA" applies to the following linear types: CW, OC, UN, BF, CL, XX, EX, FP.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: AR_BND_TYP

Attribute_Definition:

Area Boundary Type - A four-character description code that reveals the 'poly_typ' on either side of the linear feature (created by the combination of the two poly_types on either side of a given line). Examples of the 289 possible code combinations are provided as Attribute Domain Values.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: GPUP

Enumerated_Domain_Value_Definition: Gravel pit/upland (outline of a flooded gravel pit)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: ISLP

Enumerated_Domain_Value_Definition: Island/lake-pond (island shoreline)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: LPUP

Enumerated_Domain_Value_Definition: Lake-pond/upland (lake shoreline)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: LPST

Enumerated_Domain_Value_Definition: Closure line between a lake and streamq

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: RFUP

Enumerated_Domain_Value_Definition: Reservoir-flowage/upland (reservoir shoreline)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: STUP

Enumerated_Domain_Value_Definition: Stream/upland (stream bank)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: OH_SRC_YR

Attribute_Definition:

Original Horizontal Source Year - The most recent year of the data source that was utilized in data capture; source features of '10' (Wisconsin DNR constructed features) carry the year date that the watershed processing was completed.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Unrepresentable_Domain: Most recent year of data source

Attribute:

Attribute_Label: OH_COL_MTH

Attribute_Definition:

The method of data collection or conversion (i.e., how the arc was created or derived)

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: SCN001

Enumerated_Domain_Value_Definition: Scanning or vectorizing technique

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: TAB001

Enumerated_Domain_Value_Definition: Digitized on table: feature published/visible on map sheet

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: TAB002

Enumerated_Domain_Value_Definition: Digitized on table: feature interpreted from map sheet

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: SCR003

Enumerated_Domain_Value_Definition: Digitized on screen: feature published/visible on USGS 7.5' DRG

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: SCR004

Enumerated_Domain_Value_Definition: Digitized on screen: feature interpreted from USGS 7.5' DRG

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: SCR005

Enumerated_Domain_Value_Definition:

Digitized on screen: feature published/visible on digital

vector data

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: SCR006

Enumerated_Domain_Value_Definition:

Digitized on screen: feature interpreted from digital vector data

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: CNV001

Enumerated_Domain_Value_Definition:

Provided in digital form from known source and converted for DNR use.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: OH_SRC_DNM

Attribute_Definition:

Source Scale Denominator - denominator of the map scale for the data source.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 24000

Enumerated_Domain_Value_Definition: 1:24,000-scale data source

Enumerated_Domain_Value_Definition_Source: US Geological Survey

Attribute:

Attribute_Label: BUILD_DATE

Attribute_Definition:

A processing date indicating when the feature was added and verified by the editor

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Unrepresentable_Domain: Date of feature addition and verification

Attribute:

Attribute_Label: HYD_VER

Attribute_Definition:

Indicates the most recent release number of the 24K Hydro database in which the feature was edited. If a feature has been unmodified since Version 1 of 24K Hydro, this item retains a value of "1"

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

Arc not edited since the release of Version 1 of the 24K Hydrography database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition:

Arc edited between the release of Version 1 and Version 2 of the 24K Hydrography database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition:

Arc edited between the release of Version 2 and Version 3 of the 24K Hydrography database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 4

Attribute:

Attribute_Label: ROW_NAME

Attribute_Definition:

Official name for the water feature from the Wisconsin DNR's Register of Waterbodies

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Codeset_Domain:

Codeset_Name: Register of Waterbodies

Codeset_Source: Wisconsin DNR

Attribute:

Attribute_Label: WGS_ID

Attribute_Definition:

Wisconsin Geological & Natural History Survey (WGNHS) identification code for the 7.5-minute quad that was the feature source.

Attribute_Definition_Source: WGNHS

Attribute_Domain_Values:

Codeset_Domain:

Codeset_Name: 7.5-minute quad identifier

Codeset_Source: WGNHS

Attribute:

Attribute_Label: WBIC_DATE

Attribute_Definition: Date individual feature was quality assured for WBIC

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Unrepresentable_Domain: Date that the WBIC was identified

Attribute:

Attribute_Label: WBIC_ADDED

Attribute_Definition: The date the WBIC was first added to the 24K Hydro data layer

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Unrepresentable_Domain: Date that the WBIC was first added to the 24K Hydro data layer

Attribute:

Attribute_Label: GEOM_CHFLG

Attribute_Definition: Indicates any dimensional or positional changes to the feature

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

Feature has been changed geometrically from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

Feature has not been changed geometrically from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: NAT_CHFLG

Attribute_Definition:

Indicates whether any attributes of the natural feature (e.g., LINEAR_TYP, DURATION, FLOW, LANDLOCKED) have changed.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

At least one natural attribute of the feature has changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

No natural attributes of the feature have changed from Version 2 of the 24K Hydro database..

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: GNIS_CHFLG

Attribute_Definition: Indicates any change to the GNIS item (RIVSYSNAME).

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

GNIS attribute of the feature has changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

GNIS attribute of the feature has not changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: WBIC_CHFLG

Attribute_Definition: Indicates any change to the WBIC value (RIVSYSWBIC).

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

WBIC attribute of the feature has changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

WBIC attribute of the feature has not changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: REF_CHFLG

Attribute_Definition:

Indicates any change to the following items: WBIC_BY, WBIC_DATE, WBIC_STAT, QUADLINE, OH_SRC_YR, OH_COL_MTH, OH_SRC_DNM, XREFR, or WGS-ID.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

One or more of the indicated attributes of the feature have been altered from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition:

None of the indicated attributes have changed from Version 2 of the 24K Hydro database.

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: WBIC_TYPE

Attribute_Definition: Indicates type of WBIC

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: C

Enumerated_Domain_Value_Definition: Cultural WBIC (e.g., name or other cultural criteria used)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: P

Enumerated_Domain_Value_Definition: Programmed WBIC

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Enumerated_Domain:

Enumerated_Domain_Value: NA

Enumerated_Domain_Value_Definition: Not applicable (for non-flow features)

Enumerated_Domain_Value_Definition_Source: Wisconsin DNR

Attribute:

Attribute_Label: STREAM_ORD

Attribute_Definition: Strahler Stream Order designation.

Attribute_Definition_Source: Wisconsin DNR

Attribute_Domain_Values:

Codeset_Domain:

Codeset_Name: Strahler Stream Order designation.

Codeset_Source:

Strahler's (1952) stream order system is a simple method of classifying stream segments based on the number of

tributaries upstream. A stream with no tributaries (headwater stream) is considered a first order stream. A segment downstream of the confluence of two first order streams is a second order stream. Thus, a n'th order stream is always located downstream of the confluence of two (n-1)'th order streams. Values: 1, 2, 3, 4, 5, 6, 7, 8.

Overview_Description:

Entity_and_Attribute_Overview:

A User's Guide, Database Design document, Data Capture & Feature-Coding Decision Rules document, and Data Dictionary for the 24K Hydrography database are accessible on the DNR internet website.

Entity_and_Attribute_Detail_Citation:

Refer to "Wisconsin DNR 24K Hydrography Version 6 User's Guide", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_user_guide.pdf.

Entity_and_Attribute_Detail_Citation:

Refer to "Wisconsin DNR 24K Hydrography Version 6 Database Design", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_db_design.pdf.

Entity_and_Attribute_Detail_Citation:

Refer to "Wisconsin DNR 24K Hydrography Version 6 Data Dictionary", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_ddict.pdf.

Entity_and_Attribute_Detail_Citation:

Refer to "Wisconsin DNR 24K Hydrography Data Capture and Feature-Coding Decision Rules", accessible at: http://www.dnr.state.wi.us/maps/gis/documents/24khyd_decision_rules.pdf.

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_Electronic_Mail_Address: geodata@dnr.state.wi.us

Hours_of_Service: Normal business hours or as available

Resource_Description: Downloadable Data

Distribution_Liability:

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

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 196.172

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: <ftp://dnrftp01.wi.gov/geodata/hydro_24k/rivers_shorelines.zip>

Access_Instructions: Download from DNR ftp site.

Ordering_Instructions:

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

Metadata_Reference_Information:

Metadata_Date: 20080118

Metadata_Review_Date: 20051215

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

Address: 101 S. Webster St.

City: Madison

State_or_Province: WI

Postal_Code: 53707-7921

Country: USA

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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