

**State of Missouri**  
**MANDATORY IF APPLICABLE METADATA TEMPLATE**

Answering the following questions about a data set will provide most of the mandatory-if-applicable metadata required for FGDC compliance. Since this template is meant to be only a guide, some options are not included. Sample answers from the Hickory metadata are highlighted. Some of the Hickory metadata was excluded from this template.

**1. Identification Information**

**1.1 Citation**

**Originator:**

Who created this data set?

U.S. Fish & Wildlife Service, National Wetlands Inventory

**Publication Date:**

When was the data was published?

1992

**Title:**

What is the name of the data set?

Hickory

**Geospatial Data Presentation Form:**

How is the geospatial data represented?

Choose atlas, diagram, globe, map, model, profile, remote-sensing image, section, view, or enter another type.

**1.2 Description**

**1.2.1 Abstract**

What is some general information about the data set?

NWI digital data files are records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This data set is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data, as well as the hardcopy maps that were used as a source for the digital data, are produced and distributed by the U.S. Fish & wildlife Service's National Wetlands Inventory project.

**1.2.2 Purpose:**

Why was this data set created?

The data provide consultants, planners, and resource managers with information on wetland location and type. The data were collected to meet U.S. Fish & Wildlife Service's mandate to map the wetland and deepwater habitats of the United States.

**1.2.3 Supplemental Information**

**1.3 Time Period of Content**

**1.3.1 Currentness Reference**

**Time Period Information:**

What is the publication date, or what span of dates applies to your data set?

Multiple Dates/Times

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Calendar Date: 198811

Calendar Date: 199010

**Currentness Reference:**

What is the ground condition or when did the “real world” look the way it is described in the data set?

Source Photography Date

**1.4 Status**

**1.4.1 Progress**

Is the work in progress or complete?

Complete

**1.4.2 Maintenance and Update Frequency:**

How often will the data be updated?

(Enter unknown, weekly, monthly, annually, irregular, or other.)

Irregular

**1.5 Spatial Domain**

**1.5.1 Bounding Coordinates** (Record the following coordinates in decimal form.)

**1.5.1.1 West Bounding Coordinate:**

What are the coordinates for the west edge of the data?

-89.875

**1.5.1.2 East Bounding Coordinate:**

What are the coordinates for the east edge of the data?

-89.75

**1.5.1.3 North Bounding Coordinate:**

What are the coordinates for the north edge of the data?

30.5

**1.5.1.4 South Bounding Coordinate:**

What are the coordinates for the south edge of the data?

30.375

**1.6 Keywords**

**1.6.1 Theme**

**1.6.1.1 Theme Keyword Thesaurus:**

What is the formally registered thesaurus or other authoritative source of theme keywords? (If you are not using one, enter ‘none.’)

None

**1.6.1.2 Theme Keyword:**

What words may be used to find this data? (Include keywords such as road, transportation, route, etc. You may use as many theme keywords as you need.)

Wetlands

Hydrologic

Land Cover

Surface and Manmade Features

**1.7 Access Constraints:**

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Are there any restrictions and legal prerequisites to obtaining the data? (These access constraints may be applied to assure the protection of privacy or intellectual property.)

None

**1.8 Use Constraints**

Are there any restrictions and legal prerequisites for using the data set after access is granted?

Federal, State, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent To wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

**2. Data Quality Information**

**2.1 Attribute Accuracy:**

**2.1.1 Attribute Accuracy Report:**

How accurate are the attributes and how was this determined?

Attribute accuracy is tested by manual comparison of the source with hard copy printouts and/or symbolized display of the digital wetlands data on an interactive computer graphic system. In addition, WAMS software (USFWS-NWI) tests the attributes against a master set of valid wetland attributes.

**2.2 Logical Consistency Report:**

What is the fidelity of relationships encoded in the data structure of the digital spatial data? What tests were performed and what were the results of the tests? (For ARC data, an example is: ARC-node topology exists.)

Polygons intersecting the neatline are closed along the border. Segments making up the outer and inner boundaries of a polygon tie end-to-end to completely enclose the area. Line segments are a set of sequentially numbered coordinate pairs. No duplicate features exist nor duplicate points in a data string. Intersecting lines are separated into individual line segments at the coordinate values. All nodes are represented by a single coordinate pair which indicates the beginning or end of a line segment. The neatline is generated by connecting the four corners of the digital file, as established during initialization of the digital file. All data crossing the neatline are clipped to the neatline and data within a specified tolerance of the neatline are snapped to the neatline. Tests for logical consistency are performed by WAMS verification software (USFWS-NWI).

**2.3 Completeness Report:**

What selection criteria and definitions were used? What other relevant mapping rules

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were used? (For example, geometric thresholds such as minimum area or minimum width shall be reported. Describe the relationship between the objects presented and the abstract universe of all such objects.)

All photo-interpretable wetlands are mapped. In the treeless prairies, ¼ acre wetlands are mapped. In forested areas, small open water and emergent wetlands are mapped. In general, the minimum mapping unit is from 1 to 3 acres depending on the wetland type and the scale and emulsion of the source aerial photography. In regions of the country where evergreen forested wetlands predominate, wetlands smaller than 3 acres may not be mapped. Thus, a detailed on-the-ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included in this data set.

**2.4 Positional Accuracy**

**Horizontal Positional Accuracy**

**Horizontal Positional Accuracy Report:**

Horizontal positional accuracy for the digital data is tested by visual comparison of the source with hard copy plots.

**2.5 Lineage**

What sources have contributed to your data set? (Repeat Source Citation and Citation Information for each source used. Also, you may repeat Source Time Period of Content, Time Period Information as many times as needed.)

**2.5.1 Source Information**

What type of information from these sources was used? (Give the list of sources and a brief statement about the information contributed by each. Only go as far back as you feel is necessary. You may not need to document every source that produced the sources that you used.)

**Source Citation:**

**Originator:** U.S.G.S

**Publication Date:** 198811

**Title:** National High Altitude Program (NHAP)

**Geospatial Data Presentation Form:** remote-sensing image

**2.5.1.2 Source Scale Denominator:**

What is the scale of the source? ( For example, on a 1:24,000-scale map, the Source Scale Denominator is 24000. The domain is > 1.)

65000

**2.5.1.3 Type of Source Media:**

What is the medium of the source data set? (For example: the Source Media could be paper, CD-ROM, chart, online, magnetic tape, etc.)

Black and white aerial photograph film transparency

**2.5.1.4 Source Time Period of Content:**

What is the time period for which the source data set corresponds to the ground?

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**Single Date/Time**

**Calendar Date:** 198811

**2.5.1.4.1 Source Currentness Reference:**

What is the basis on which the source time period of content information was determined? (Examples are ground condition or publication date.)

Source photography date

**2.5.1.5 Source Citation Abbreviation:**

What is a short-form alias for the source citation?

NWI1a

**2.5.1.6 Source Contribution:**

What information did the source contribute to the data set?

Aerial photo from which wetlands spatial and attribute information are interpreted

**2.5.2 Process Step:**

What was the process used to create the data set? (Be sure to include all sources in your description.)

NWI maps are compiled through manual photointerpretation of NHAP or NAPP aerial photography, supplemented by soil surveys and field checking of wetland photo signatures. Delineated wetland boundaries are manually transferred from interpreted photos to USGFS 7.5 minute topographic quadrangle maps and then manually labeled. Quality control steps occur throughout the photointerpretation, map compilation, and map reproduction processes.

Source Used Citation Abbreviation: NWI1a

Source Used Citation Abbreviation: NWI1b

Source Used Citation Abbreviation: NWI12

**2.5.2.3 Process Date:**

When was the process completed?

199210

**3. Spatial Data Organization Information** (Most of the time, the Direct Spatial Reference Method will be used.)

**3.2 Direct Spatial Reference Method:**

Is the data represented by point, vector, or raster?

Vector

**4. Spatial Reference Information**

**4.1 Horizontal Coordinate System Definition:**

What is the reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies? (This will probably be geographic or planar.)

**4.1.1 Planar**

**4.1.2.1. Map Projection**

**4.1.1.1.1 Map Projection Name:**

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What is the name of the map projection? (Example is Transverse Mercator.)

**Universal Transverse Mercator**

**4.1.1.1.2 Map Projection Parameters:**

What are the map projection parameters?

Transverse Mercator:

Scale Factor at Central Meridian: **0.9996**

Longitude of Central Meridian: **-87.0**

Latitude of Projection Origin: **0.0**

False Easting: **500000.0**

False Northing: **0.0**

**4.1.2.2.2 Universal Transverse Mercator (UTM)**

**4.1.2.2.2.1 UTM Zone Number:**

What is the UTM Zone Number? **16**

**4.1.4 Geodetic Model**

**4.1.4.1 Horizontal Datum Name:**

What is the identification given to the reference system used for defining the coordinates of points? (Choices are North American Datum of 1927 or North American Datum of 1983.)

**North American Datum of 1927**

**4.1.4.2 Ellipsoid Name:**

What is the identification given to established representations of the Earth's shape? (Choices are Clarke 1866 or Geodetic Reference System 80.)

**Clarke 1866**

**4.1.4.3 Semi-major Axis:**

What is the radius of the equatorial axis of the ellipsoid?

**6378206.4**

**4.1.4.4 Denominator of Flattening Ratio:**

What is the denominator of the ratio of the difference between the equatorial and polar radii of the ellipsoid when the numerator is set to 1.

**2294.9787**

**5. Entity and Attribute Information**

Use the Content Standards for Digital Geospatial Metadata Workbook to give more detail about the attributes used to describe your data

**6. Distribution Information**

Use this section if the data set will be distributed to other agencies. Follow the CSDGM Workbook.

**7. Metadata Reference Information**

**7.1 Metadata Date:**

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When was this metadata created or last updated?

19940920

7.4

**Metadata Contact:**

**Contact Person Primary:**

Who is responsible for this metadata?

Linda Shaffer

**Contact Address**

**Address Type:**

Is the address mailing, physical or both?

Mailing and physical address

**Address:**

What is the street address for the contact person?

9720 Executive Center Drive

**City:**

What is the city for the contact person?

St. Petersburg

**State or Province:**

What is the state for the contact person?

Florida

**Postal Code:**

What is the zip code for the contact person?

33702

**Contact Voice Telephone:**

What is the telephone number of person responsible for the metadata?

1 813 570 5411

Contact Facsimile Telephone:

1 813 570 5420

7.5

**Metadata Standard Name:**

FGDC's Content Standards for Digital Geospatial Metadata

7.6

**Metadata Standard Version:**

19940608