

Water_Body

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Identification_Information:

Citation:

Citation_Information:

Originator: USDA Forest Service, Coronado National Forest

Publication_Date: 20060524

Title: Water_Body

Edition: Primary

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Albuquerque, NM

Publisher: Southwest Regional Office, United States Forest Service

Online_Linkage:

\\PCHP8210VGL\C\projects_2009\nfwww\cor\COR_UTM12_NAD83_v1-2.mdb

Description:

Abstract:

This feature class depicts both perennial and intermittent water bodies as polygons on the Coronado National Forest. These features are areas that cover more than 50 feet on the ground. It is part of the USFS Southwestern Region Core Data Project. This project is designed to generate and maintain 15 vertically integrated resource data layers which are standardized across the Southwestern Region.

Purpose:

The purpose of this feature class is to depict water bodies as polygons on the Coronado National Forest. The feature class will be used to provide water body information for any necessary analysis.

*Time_Period_of_Content:**Time_Period_Information:**Single_Date/Time:**Calendar_Date:*

REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

Range_of_Dates/Times:

Beginning_Date: 199912

Ending_Date: 200605

Currentness_Reference: Most current data available within the stated time period.

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

*Spatial_Domain:**Bounding_Coordinates:*

West_Bounding_Coordinate: -111.509834

East_Bounding_Coordinate: -108.838023

North_Bounding_Coordinate: 33.125837

South_Bounding_Coordinate: 31.232778

*Keywords:**Theme:*

Theme_Keyword_Thesaurus: None

Theme_Keyword: lake

Theme_Keyword: pond

Theme_Keyword: reservoir

Theme_Keyword: tank

Theme_Keyword: water

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Coronado

Place_Keyword: Douglas

Place_Keyword: Nogales

Place_Keyword: Sierra Vista

Place_Keyword: Safford

Place_Keyword: Santa Catalina

Place_Keyword: Tucson

Place_Keyword: Arizona

Access_Constraints: None

Use_Constraints:

Comparison with other data sets for the same area from other time periods may be inaccurate due to inconsistencies resulting from changes in photointerpretation, rounding of decimal coordinates during conversion, and mapping conventions over time. Any hardcopies utilizing these data sets shall clearly indicate their source. If the user has modified the data in any way, they are obligated to describe the types of modifications they have performed on the hardcopy map. The user specifically agrees not to misrepresent these data sets, nor to imply that changes made were approved by the USFS.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USDA Forest Service, Coronado National Forest

Contact_Position: Hydrologist / GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 300 West Congress

City: Tucson

State_or_Province: Arizona

Postal_Code: 85701

Country: USA

Contact_Voice_Telephone: 520-388-8356

Contact_Facsimile_Telephone: 520-388-8332

Hours_of_Service: 0800 - 1700 M-F, Mountain Time

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.6.1500

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Accuracy and completeness was checked by manually comparing hardcopy plots, on-screen review, and reporting method with the source materials. Attributes for waterbod_name and LLID were populated based on the "Specifications for TVA Data Automation Contract". An automated application, QCView, was used to verify consistent data structure and valid attribution for fields based on the "Specification for TVA Data Automation Contract." This document can be found at: <http://fsweb.r3.fs.fed.us/eng/gis/standards.html>

Logical_Consistency_Report: Polygon

Completeness_Report: Data set is complete.

Positional_Accuracy:

*Horizontal_Positional_Accuracy:**Horizontal_Positional_Accuracy_Report:*

Based on accuracy statements made for USGS topographic quadrangle maps. Targeted to National Standard for Spatial Data Accuracy (NSSDA). The National Map Accuracy Standards for 7.5 minute 1:24,000 quadrangles applies to this feature class, which state that a feature will be within approximately 40 feet of its true position.

*Lineage:**Source_Information:**Source_Citation:**Citation_Information:*

Originator: USDA Forest Service, Geospatial Service and Technology

Publication_Date: Unknown

Title: Cartographic Feature File (CFF)

Edition: Vintage 11

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Salt Lake City, UT

Publisher: USDA Forest Service, Geospatial Service and Technology

Other_Citation_Details:

Cartographic Feature Files (CFFs) are digital files containing a vector representation of the point and line features shown on a Forest Service Primary Base Series (PBS) map. CFF data are collected by digitizing PBS maps and revised using correction guide information provided by field units. GSTC began producing Vintage 11 CFFs in 1996.

Source_Scale_Denominator: 24000

Type_of_Source_Media: electronic bulletin board

Source_Time_Period_of_Content:

*Time_Period_Information:**Range_of_Dates/Times:*

Beginning_Date: 1996

Ending_Date: 2000

Source_Currentness_Reference:

Most current data available within the stated time period.

Source_Citation_Abbreviation: Unknown

Source_Contribution: Water body locations

*Process_Step:**Process_Description:*

NOTE: THE FOLLOWING INFORMATION PERTAINS TO THE GEODATABASE MODEL General: Vintage 11 CFF digital data (and in some cases, Forest-provided digital data) was used to create this feature class. When Forest-provided data was used, the Forest provided the CFF code(s) for arcs. Source and method was populated for all arcs. The data set was checked for dangle and label errors. Any errors were corrected and topology built for polygon and arc. Polygon attributes were then populated, as appropriate. Technical: The CFFs will be the basis for the water body data. In some instances, the Forests may have additional information (spatial and/or attribute) to supplement this layer. Water body arcs are extracted from the master quad coverage to be used in stream centerlining. Sand areas (CFF 316) and wide washes (CFF 317) are used for centerlining, but are not meant to be included in the water body feature class. They will be coded as miscellaneous and will need to be selected by their CFF codes. The water body feature class is then plotted with the streams, by quad, color-coded by CFF for review by the Forest. The Forest should annotate any edits to the waterbody data on the plot. These edits would consist primarily of changes to the CFFs or correcting gaps in the connectivity of the polygons. At this point the water body data is complete. When the polygon output coverage is produced in the final processing phase, the polygons will have an item, WATERBOD_NAME which is populated based on the set of rules in the Data Specifications document.

Process_Date: 20010426

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Tennessee Valley Authority

Contact_Position:

Geographic Information and Engineering/USDA Project Team
Leader

Contact_Address:

Address_Type: mailing and physical address

Address: 17 Ridgeway Road

City: Norris

State_or_Province: TN

Postal_Code: 37828

Country: USA

Contact_Voice_Telephone: 865-632-1532

Hours_of_Service: 0800-1645 Monday - Friday, Eastern Time.

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation: C:\tmp\xmlD61.tmp

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation: C:\tmp\xmlF40.tmp

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: 4262

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 12

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999600

Longitude_of_Central_Meridian: -111.000000

Latitude_of_Projection_Origin: 0.000000

False_Easting: 500000.000000

False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abcissa_Resolution: 0.001000

Ordinate_Resolution: 0.001000

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Resolution: 0.000010
Altitude_Encoding_Method:
Explicit elevation coordinate included with horizontal coordinates

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Water_Body
Entity_Type_Definition:
This data set provides a coverage depicting surface water extent for all water bodies larger than 50 feet across their shortest axis. Where available, names are included with the feature class.
Entity_Type_Definition_Source: None

Attribute:

Attribute_Label: OBJECTID
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: WATERBOD_NAME
Attribute_Definition: Name of water body if applicable.
Attribute_Definition_Source: R3 GDB Standards - 12/2004
Attribute_Domain_Values:

Unrepresentable_Domain: Name as Text

Attribute:

Attribute_Label: WUTS_LNK

Attribute_Definition: Link to the Water Uses Tracking System database.

Attribute_Definition_Source: R3 GDB Standards - 12/2004

Attribute_Domain_Values:

Unrepresentable_Domain: Link as Text

Attribute:

Attribute_Label: IMPROVMT_NO

Attribute_Definition:

Unique ID, locally generated, to link to the Rangeland Infra database.

Attribute_Definition_Source: R3 GDB Standards - 12/2004

Attribute_Domain_Values:

Unrepresentable_Domain: Link as Text

Attribute:

Attribute_Label: Shape_Length

Attribute_Definition: Length of feature in internal units.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Positive real numbers that are automatically generated.

Attribute:

Attribute_Label: Shape_Area

Attribute_Definition: Area of feature in internal units squared.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Positive real numbers that are automatically generated.

*Distribution_Information:**Distributor:**Contact_Information:*

Contact_Organization_Primary:

Contact_Organization: Coronado National Forest

Contact_Position: Hydrologist / GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address
Address: 300 West Congress
City: Tucson
State_or_Province: Arizona
Postal_Code: 85701
Country: USA

Contact_Voice_Telephone: 520-388-8356
Hours_of_Service: 0800-1630 Monday - Friday, Mountain Time.

Resource_Description: Water bodies as polygons on the Coronado National Forest.

Distribution_Liability:

The USDA Forest Service manages these data for planning purposes, not necessarily for actual on the ground implementation. The USFS is in no way condoning or endorsing the actual on the ground implementation of these data. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply these data in an appropriate and conscientious manner. The USFS provides no warranty, nor accepts any liability occurring from the use of these data.

Metadata_Reference_Information:

Metadata_Date: 20090413

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USDA Forest Service, Southwestern Region
Contact_Person: REQUIRED: The person responsible for the metadata information.

Contact_Position: Regional GIS Coordinator

Contact_Address:

Address_Type: Mailing and physical address
Address: 333 Broadway SE
City: Albuquerque
State_or_Province: New Mexico
Postal_Code: 87102
Country: USA

Contact_Voice_Telephone: 505-842-3292
Hours_of_Service: 0800-1630 M-F, Mountain Time

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

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile

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