

GISLAB METADATA REQUIREMENTS

GISLab requires that metadata for spatial data entered into the GISLab Data Warehouse be compliant with FGDC metadata standards. This means that the “Required Metadata Fields” listed below must be completed for each data file, using the data description format and definitions discussed in detail in the FGDC standards.

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Metadata Editor in ESRI ArcCatalog

This editing function provides an easy method of generating metadata. The data that are entered or are automatically generated for digital files are listed below. The metadata that are produced are compliant with the FGDC Metadata Standard.

Required Metadata Fields:

Identification

General

Abstract

Purpose

Access Constraints

Use Constraints

Contact

Citation

Details

General

Title (auto filled – file name)

Originator

Publication Date

Time Period

Currentness Reference

Calendar Date

Status

Progress

Update Frequency

Spatial Domain

Bounding Coordinates and G-Polygon

Bounding Coordinates

North (auto filled if defined)

South (auto filled if defined)

East (auto filled if defined)

West (auto filled if defined)

Keywords

Theme Keyword

Theme Thesaurus

Browse Graphic

Security

Cross Reference

Data Quality

General

Logical Consistency Report (FGDC Manual)

Completeness Report (FGDC Manual)

Attribute Accuracy

Positional Accuracy

Source Information
Process Step
Process Description (FGDC Manual)
Process Date (FGDC Manual)

Data Organization

General

Spatial Reference

General
Horizontal Coordinate System
Vertical Coordinate System

Entity Attribute

Detailed Description
Label (auto filled) (FGDC Manual)
Type (auto filled) (FGDC Manual)
Definition Source (FGDC Manual)
Overview Description (OR)
Entity and Attribute Overview (FGDC Manual)
Entity and Attribute Detail Citation (FGDC Manual)

Distribution

General
Distributor
Standard Order Process
Available Time Period

Metadata Reference

General
Metadata Date (auto filled)
Metadata Standard Name (auto filled)
Metadata Standard (auto filled)
Contact
 Details
 Person
 Organization
 General
 Contact Voice Telephone
 Address
 Address Type
 Address (should be)
 City
 State or Province
 Postal Code

Extensions

Auto Filled Fields:

Identification

General

Language

Native Data Set Environment

Native Data Set Format (Not Raster)

Contact

Citation

Details

General

Title (file name)

Geospatial Data Presentation Form

Online Linkage (Incorrect for Raster)

Time Period

Status

Spatial Domain

Bounding Coordinates and G-Polygon

Bounding Coordinates (if projection is defined)

North

South

East

West

Keywords

Browse Graphic

Security

Cross Reference

Data Quality

General

Attribute Accuracy

Positional Accuracy

Source Information

Process Step

Data Organization

General

Direct Spatial Reference Method

(Vector and Point)

SDTS Terms

ESRI Terms Description

Feature Type

Topology

Feature Count

Spatial Index

Linear Referencing

SDTS

Point and Vector Object Type

Point and Vector Object Count

(Raster)

Raster Object Type
Raster Display Type
Row Count
Column Count
Vertical Count
Raster Origin
Number of Bands
Cell Size X Direction
Cell Size Y Direction
Bits Per Pixel
Pyramid Layers
Image Format
Image Colormap
Compression Type

Spatial Reference (if projection is defined)

General

Geographic Coordinate System Name
Projected Coordinate System Name
Horizontal Datum Name
Ellipsoid Name
Semi-major Axis
Denominator of Flattening Ratio

Horizontal Coordinate System

(Geographic)

Latitude Resolution
Longitude Resolution
Geographic Coordinate Units

(Planar)

Planar Coordinate Information
(Coordinate Pair)

Abscissa Resolution
Ordinate Resolution

(Distance and Bearing)

Distance Resolution
Bearing Resolution
Bearing Units
Bearing Reference Direction
Bearing Reference Meridian

(Row and Column)

Abscissa Resolution
Ordinate Resolution
Planar Distance Units

Encoding Information

Encoding Type (too many options to list)
(State Plan Coordinate System)
(Transverse Mercator)

SPCS Zone Identifier
Scale Factor at Central Meridian
Longitude of Central Meridian
Latitude of Projection Origin
False Easting
False Northing

(Local)

Local Description

Local Geographic Information

Vertical Coordinate System

Entity Attribute

Detailed Description

Entity Type

Label (file name)

Type

Attribute (ie – for a vector coverage, lists all attributes)

General

Label

Type

Width

Precision

Indexed

Definition

Definition Source

Dates

Attribute Domain Values

(Unrepresentable Domain)

Unrepresentable Domain

Overview Description

Distribution

General

Distributor

Standard Order Process

Available Time Period

Metadata Reference

General

Metadata Date

Language of Metadata

Metadata Standard Name

Metadata Standard

Metadata Time Convention

Extensions

Online Linkage

Profile Name