

Federal Geographic Data Committee (FGDC)

Content Standard for Digital
Geospatial Metadata (CSDGM)


Alan Devenish

Information Categories (optional categories are in italics)

- # 1 Identification Information
- # 2 Data Quality Information
- # 3 Spatial Data Organization Information
- # 4 Spatial Reference Information
- # 5 Entity and Attribute Information
- # 6 Distribution Information
- # 7 Metadata Reference Information
- # 8 *Citation Information*
- # 9 *Time Period Information*
- # 10 *Contact Information*

A shapefile from Chang Chapter 8 (bailecor_id.shp)

Bailey Ecoregions for Idaho
Shapefile

Description	Spatial	Attributes
		
<p>Keywords Themer: Section, Ecoregion, Bailey Place: Idaho</p>		
<p>Description</p> <p>Abstract This shapefile displays Bailey Ecoregions in Idaho. It was created from data downloaded from the Interior Columbia Basin Ecosystem Management Project (ICBEMP) web site (http://www.icbemp.gov/).</p> <p>Purpose To show Bailey Ecoregions in Idaho.</p> <p>Supplementary Information Geographic Information System (GIS) data layers or themes were compiled or created in support of the ICBEMP Assessment and the development of the Eastside and Upper Columbia River Basin Environmental Impact Statements. The themes were derived from source maps, photos, or transfer media ranging from 1:12,000 to 1:4,000,000 in scale. Some GIS themes mapped features continuously across the entire project area while others covered discrete areas only (e.g. sub-sample watershed areas). Major data providers included individual administrative units of the Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service, Environmental Protection Agency, U.S. Geological Survey, U.S. Bureau of Mines, Bonneville Power Administration, universities, state agencies, American Indian tribes, and non-governmental organizations.</p> <p>The ICBEMP cannot assure the reliability or suitability of this information for a particular purpose. Original data was compiled from various sources. Spatial information may not meet National Map Accuracy Standards. This information may be updated without notification.</p> <p>Links to graphics describing the data <ul style="list-style-type: none"> Bailey Ecoregions in Idaho (PDF): http://www.insideidaho.org/data/statewide/icbemp/atlas/bailecor_id_icbemp.gif </p> <p>Status of the data Planned Data update frequency: Data will be updated, corrected, etc. without notification of the users. Last updated August 9, 1994.</p> <p>Time period for which the data is relevant</p>		

Time period for which the data is relevant:

Publication Information
Who created the data: University of Idaho Library, U.S. Forest Service
Date and time: 20030808
Publisher and place: University of Idaho Library, Moscow, Idaho

Data storage and access information
File name: bailecor_id
Type of data: vector digital data
Location of the data:

- http://www.insideidaho.org/data/statewide/icbemp/imap/bailecor_id_icbemp.shp.xml

Data processing environment: Windows_NT, 4.0, Intel NT, ARC/INFO version 7.2.1
Accessing the data:
Data format: TIG
Size of the data: 0.133 MB
Data transfer size: 0.133 MB
How to decompress the file: Decompress using software capable of extracting a tar/gzip (.tgz) file (for example, WinZip or Pkzip on Windows operating systems).

Network location:

- http://www.insideidaho.org/data/statewide/icbemp/archive/bailecor_id_icbemp.tgz

Constraints on accessing and using the data

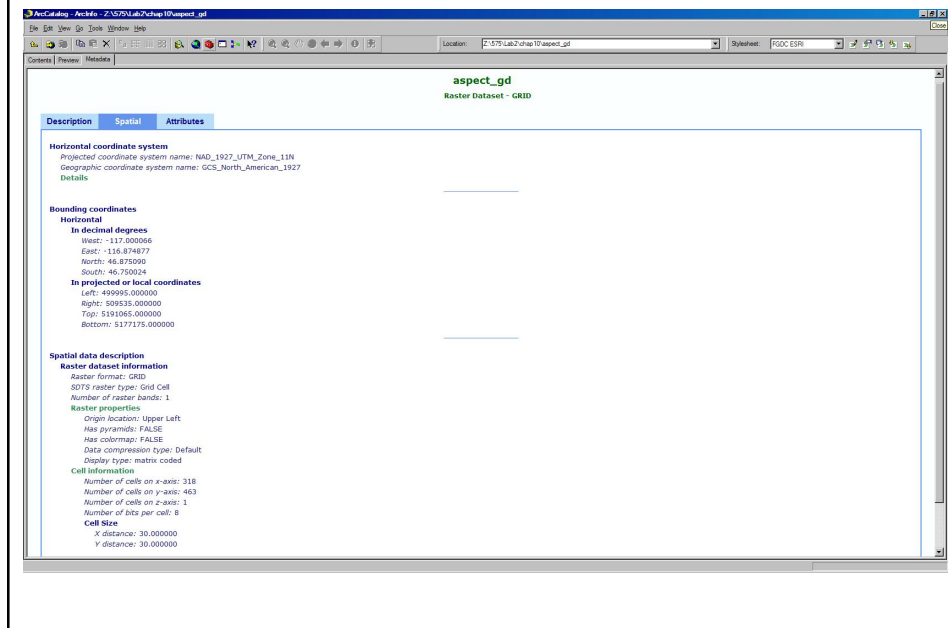
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Standards used to create this document
Standard name: FGDC Content Standards for Digital Geospatial Metadata
Standard version: FGDC-STD-001-1998
Time conversion used in the document: local time
Metadata profiles defining additional information

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

A raster file from Chang Chapter 10 (aspect_gd)



Raster Considerations From ArcGIS Desktop Help:

- Where did the raster come from?
- What does the data represent?
- What is the purpose of the data? What will it be used for?
- Was there any special processing used to create the raster?
- History of the raster: what has been done to it?
- This information can be found in the raster dataset's metadata; however, it will only exist if someone has entered it.

To edit/create metadata in ArcGIS

- Direct ArcCatalog to your data
- Click on the file
- Display the Metadata tab (near Contents and Preview at the top of the main window)
- The FGDC Metada Editor will now be active (buttons will switch from gray to black)

Some notes on creating metadata

- ArcGIS automatically generates several types of metadata when a file is created/converted
- CSDGM is a US standard that can conform to International Organization of Standards (ISO) requirements with minimal work
- When creating a CSDGM metadata file in ArcGIS, minimum information to meet the standard is presented in red text (a red star will appear in the ISO editor)
- Not all metadata fields are required; consult the workbook for details

ArcGIS Metadata Editor (CSDGM)

Chang chapter 10

Some good work habits

- Add metadata to raster files you plan to keep or reuse
- When automating data, investigate export options to ensure you are exporting as much metadata as possible (Trimble)
- Ensure you have the necessary database permissions
- Be aware of the effect synchronization with one standard will have on overall documentation
- Include sufficient information so that others can understand/replicate your work

References and Resources

- Production Guide
http://www.fgdc.gov/standards/projects/FGDC-standards-projects/metadata/base-metadata/v2_0698.pdf
- More detailed information on ISO (from here you can easily navigate to other FGDC topic pages)
<http://www.fgdc.gov/metadata/geospatial-metadata-standards>
- ArcGIS Desktop Help
- Chang, Kang-Tsung. Introduction to Geographic Information Systems. New York: McGraw-Hill, 2010.