

Appendix E

Level II Data Set Descriptor Table

The PAGIS database will consist of a data from a variety of sources. This Appendix provides a method constructing metadata for those data sources on the data set level. This , which are then noted for each feature in the database. The following information is given for each entry, as appropriate. These data are structured as a table, in order to provide relational links to coverages and tables that are part of the data set itself, supporting feature-based metadata. In the table structure, the Identification and Metadata Reference information are listed as both text in a WORD table, and then repeated as attributes in the table. Other data exist only as attributes in the table.

The table below documents a data table supporting both spatial and tabular data sets. Each record of the table describes an individual data set. Some of the data are completed with examples of appropriate entries. Fields designated TBF should be filled after the table is constructed.

1. Identification

a) Title (CSDGM 1.1 and 8.4)

Title. The name by which the data set is known. (8.4)

This is the name of the data set. For example, most of the PAGIS spatial data currently in use were generated from 1988 aerial photography. The data with generated from this source with known, comparable procedures form a set.

b) Abstract (CSDGM 1.2.1)

A brief narrative summary of the data set. Included in this section are a brief description of the feature; how the feature was delineated; Representation Rules; Capture Conditions; Capture Scale; Service Areas Covered; and References.

c) Purpose

This indicates the original purpose the layer was created for.

d) File Type

This tells the type of file eg. Coverage, table, shapefile, CAD file, etc.

e) File Location

This indicates the files location – name of the library it is located in, or the path to the directory the file is located in.

f) Primary Capture Date (CSDGM 1.3)

Time periods for which the data set was originally captured.

g) In Service Date

Date that data set was last updated.

h) Status, Maintenance and Update Frequency (CSDGM 1.4.2)

The frequency with which changes and additions are made to the data set after the initial data set is completed.

i) Spatial Domain, West Bounding Coordinate (CSDGM 1.5.1.1)

Western-most coordinate of the limit of coverage expressed in longitude.

j) Spatial Domain, East Bounding Coordinate (CSDGM 1.5.1.2)

Eastern-most coordinate of the limit of coverage expressed in longitude.

k) Spatial Domain, North Bounding Coordinate (CSDGM 1.5.1.3)

Northern-most coordinate of the limit of coverage expressed in latitude.

l) Spatial Domain, South Bounding Coordinate (CSDGM 1.5.1.4)

Southern-most coordinate of the limit of coverage expressed in latitude

m) 11. Keywords (CSDGM 1.6)

Words or phrases summarizing an aspect of the data set.

n) 12. Place Keywords (CSDGM 1.6.2)

Words or phrases summarizing a location or area of the data set.

o) 13. Access Constraints (CSDGM 1.7)

Restrictions and legal prerequisites for accessing the data set. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the data set.

p) 14. Use Constraints (CSDGM 1.8)

Restrictions and legal prerequisites for using the data set after access is granted. These include any access constraints applied to assure the protection of privacy or intellectual property, and any special restrictions or limitations on obtaining the data set.

q) 15. Data Set Credit (CSDGM 1.11)

Recognition of those who contributed to the data set.

2. Spatial Reference Information**a) State Plane Coordinate System (SPSC) (CSDGM 4.1.2.2.4)**

A plane-rectangular coordinate system established for each state in the United States by the National Geodetic survey.

b) SPCS Zone Identifier (CSDGM 4.1.2.2.4.1)

Four-digit numeric codes for the State Plane Coordinate systems based on the North American Datum of 1927 are found in Department of commerce, 1986. Representation of geographic point locations for information interchange (Federal Information Processing Standard 70-1): Washington: Department of Commerce, National Institute of Standards and Technology. Codes for the State Plane Coordinate systems based on the North American

Datum of 1983 are found in Department of commerce, 1989 (January), State Plane Coordinate system of 1983 (National Oceanic and Atmospheric Administration Manual NOS NGS 5): Silver Spring, Maryland, National Oceanic and Atmospheric Administration, National Ocean Service, Coast and Geodetic Survey.

c) Horizontal Datum Name (CSDGM 4.1.41)

The identification given to the reference system used for defining the coordinates of points.

d) Altitude Datum Name (CSDGM 4.2.1.1)

The identification given to the level surface taken as the surface of reference from which altitudes are measured.

e) Depth Datum Name (CSDGM 4.2.2.1)

The identification given to surface of reference from which depths are measured.

3. Data Quality Information

a) Attribute Accuracy Report (CSDGM 2.1.1)

An explanation of the accuracy of the identification of the entities and assignments of values in the data set and a description of the test used.

b) Logical Consistency Report (CSDGM 2.2)

An explanation of the fidelity of the relationships in the data set and the tests used.

c) Completeness Report (CSDGM 2.3)

Information about omissions, selection criteria, generalization, definitions used, and other rules used to derive the data set.

d) Positional Accuracy (CSDGM 2.4)

An assessment of the accuracy of the positions of spatial objects.

e) Source Citation (CSDGM 2.5.1.1)

Reference for a source data set.

f) Process Step (CSDGM 2.6)

Information about a single event.

Note: Describe procedures common to the entire data set, such as "ARC/INFO CLEAN AND BUILD." Parameters used for that procedure may be listed in [Process Description](#).

g) Process Description (CSDGM 2.6.1)

An explanation of the event and related parameters or tolerances.

Note: Describe parameters to the procedure in [Process Step](#), such as those listed below.

Fuzzy Tolerance: .025 feet
Dangle Tolerance: 0.0 feet
RMS Error: 0.003
Precision: Double

4. Metadata Reference Information

a) Metadata Date (CSDGM 7.1)

The date that the metadata were created or last updated.

b) Metadata Contact (CSDGM 7.4)

The party responsible for the metadata information

c) Metadata Standard Name (CSDGM 7.5)

Identification of the version of the metadata standard used to document the data set.

d) Metadata Standard Version (CSDGM 7.6)

Identification of the version of the metadata standard used to document the data set.

Identification			
Title	Data_sets		
Abstract	The PAGIS database will consist of a data from a variety of sources. This table provides a method constructing metadata for those data sources. The field data_set_id provides an identifier to relate this table to PAGIS data, providing complete metadata at the feature level.		
Purpose	To provide a comprehensive source of metadata for features throughout the PAGIS database.		
Time Period of Content	TBF		
Status, Progress	TBF		
Status, Maintenance and Update Frequency	TBF		
Spatial Domain, West Bounding Coordinate	TBF		
Spatial Domain, East Bounding Coordinate	TBF		
Spatial Domain, North Bounding Coordinate	TBF		
Spatial Domain, South Bounding Coordinate	TBF		
Keywords	TBF		
Access Constraints	TBF		
Use Constraints	TBF		
Data Set Credit	TBF		
Metadata Reference Information			
Metadata Date	TBF		
Metadata Contact	TBF		
Metadata Standard Name	TBF		
Metadata Standard Version	TBF		
Entity and Attribute Information			
Attribute Type Label	Attribute Type Definition	Attribute Type Definition Source	Attribute Domain Values
data_set_id	6,6,I	--	Enumerated domain: 1....
title	20,20,C	CSDGM 1.1 and 8.4	Coverage Name

DATA DICTIONARY

desc_abstract	180,180,C	CSDGM 1.2.1	"The PAGIS database will consist of data from a variety of sources. This table provides a method of constructing metadata for those sources." Free Text
desc_purpose	50,50,C	CSDGM 1.2.2	"Provides comprehensive metadata for features throughout the PAGIS database." Free Text
File_type			
File_location			
time_period	8,8,C	CSDGM 1.3, p. ix – x	YYYYMMDD (source date e.g. photo date)
status_progress	8,8,C	CSDGM 1.4.1	"COMPLETE" "IN WORK" "PLANNED"
status_maintenance	20,20,C	CSDGM 1.4.2	"CONTINUALLY" "DAILY" "WEEKLY" "MONTHLY" "ANNUALLY" "UNKNOWN" "AS NEEDED" "IRREGULAR" Free Text

DATA DICTIONARY

spatial_domain_west	16,16,C	<p>DSSELECT, p. 10 CSDGM 1.5.1.1, p. x - xi</p> <p>Note: DSSSELECT actually defines the longitude field 15,15,C. An extra character was added to accommodate the longitude direction sign (-) required by the CSDGM standard notation. A field corresponding to the digits themselves may be redefined to relate the data, if necessary.</p>	<p>Western-most coordinate of the limit of the data set expressed in Arkansas State Plane Coordinates, North Zone.</p>
spatial_domain_east	16,16,C	<p>DSSELECT, p. 10 CSDGM 1.5.1.2, p. x - xi</p> <p>Note: DSSSELECT actually defines the longitude field 15,15,C. An extra character was added to accommodate the longitude direction sign (-) required by the CSDGM standard notation. A field corresponding to the digits themselves may be redefined to relate the data, if necessary.</p>	<p>Eastern-most coordinate of the limit of the data set expressed in Arkansas State Plane Coordinates, North Zone.</p>
spatial_domain_north	15,15,C	<p>DSSELECT, p. 10 CSDGM 1.5.1.3, p. x - xi</p> <p>Note: DSSSELECT actually defines the longitude field 14,14,C. An extra character was added to accommodate the latitude direction sign (+) required by the CSDGM standard notation. A field corresponding to the digits themselves may be redefined to relate the data, if necessary.</p>	<p>Northern-most coordinate of the limit of the data set expressed in Arkansas State Plane Coordinates, North Zone.</p>

DATA DICTIONARY

spatial_domain_south	15,15,C	DSSELECT, p. 10 CSDGM 1.5.1.4, p. x - xi Note: DSSSELECT actually defines the longitude field 14,14,C. An extra character was added to accommodate the latitude direction sign (+) required by the CSDGM standard notation. A field corresponding to the digits themselves may be redefined to relate the data, if necessary.	Southern-most coordinate of the limit of the data set expressed in Arkansas State Plane Coordinates, North Zone.
Keywords	30,30,C	CSDGM 1.6	"Merrick" "G&O" Free Text
Place_keywords	30,30,C	CSDGM 1.6.2.2	Delivery Area Free Text
access constraints	180,180,C	CSDGM 1.7	Free Text
use constraints	180,180,C	CSDGM 1.8	Free Text
data set credit	180,180,C	CSDGM 1.11	"Merrickj" Free Text
Spsc	30,30,C	CSDGM 4.1.2.2.4	Free Text e.g., Arkansas State Plane Coordinate System of 1983, North Zone.
spsc_zone	4,4,C	CSDGM 4.1.2.2.4.1	Federal Information Processing Standard 70-1 (FIPS 70-1).
horz_datum	6,6,C	CSDGM 4.1.4.1 DSSELECT, p. 6	NAD83 Free Text
vert_datum	6,6,C	CSDGM 4.2.1.1 DSSELECT, p. 6	NAVD29, NGVD88

DATA DICTIONARY

depth_datum	20,20,C	CSDGM 4.2.2.1	<p>“LOCAL SURFACE”</p> <p>“CHART DATUM”</p> <p>“DATA FOR SOUNDING REDUCTION”</p> <p>“GEOID 96”</p> <p>“CCRPSCON”</p> <p>“LOWEST ASTRONOMICAL TIDE”</p> <p>“MEAN LOW WATER”</p> <p>“MEAN HIGH WATER”</p> <p>“MEAN SEA LEVEL”</p> <p>“LAND SURVEY DATUM”</p> <p>Free Text</p> <p>Note: Further options listed in CSDGM pp. 31-32.</p>
attribute_accuracy	180,180,C	CSDGM 2.1.1	Free Text
logical_consistency	180,180,C	CSDGM 2.2	<p>“100% consistent”</p> <p>Free Text</p>
Completeness	180,180,C	CSDGM 2.3	<p>“100% Complete”</p> <p>Free Text</p>
positional_accuracy	180,180,C	CSDGM 2.4	Free Text
source_citation	180,180,C	CSDGM 2.5.1.1	<p>“Photo Compilation”</p> <p>Free Text</p>
process_step	180,180,C	CSDGM 2.6	<p>“IGDSAC”</p> <p>Free Text</p>
process_description	180,180,C	CSDGM 2.6.1	<p>Parameters of Process Step</p> <p>Free Text</p>
metadata_date	8,8,D	CSDGM 7.1, p. ix – x	<p>YYYYMMDD</p> <p>(Creation Date)</p>
Metadata_contact	180,180,C	CSDGM 7.4	<p>“Merrick”</p> <p>Free Text</p>

DATA DICTIONARY

Metadata_standard	50,50,C	CSDGM 7.5	"CSDGM" Free Text
Metadata_version	20,20,C	CSDGM 7.6	"2.0" Free Text