

Ecological Unit Subsections, USFS Northern Region
Montana State Library GIS Data Dictionary

Metadata for Ecological Unit Subsections, USFS Northern Region

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Full FGDC-compliant Metadata

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Identification_Information:

Citation

Originator: United States Forest Service
Publication_Date: 10/01/1997
Title: Ecological Unit Subsections, USFS Northern Region
Online_Linkage: <http://nris.state.mt.us/nsdi/nris/e00/ot118.zip>
Online_Linkage: <http://nris.state.mt.us/nsdi/nris/shape/ot118.zip>

Description

Abstract:

Subsections are regions with similar surficial geology, lithology, geomorphic process, soil groups, subregional climate, and potential natural communities.

Purpose:

Strategic multiforest, multiagency, or statewide planning.

Time_Period_of_Content

Beginning_Date: 01/01/1990
Ending_Date: 11/01/1996

Access_Constraints:

None

Use_Constraints:

Not for use at scales greater than 1:500000.

Native_Data_Set_Environment:

Arc/Info version 7.2.1 - SunOS version 5.7 and Windows NT
Pathname = l:\gis9\region1\pete\subsections

Data_Quality_Information:

Attribute_Accuracy_Report:

Interpretations at this level are based on many assumptions, generalizations, and averages.

Completeness_Report:

Data set is complete

Horizontal_Positional_Accuracy_Report:

Approximate horizontal accuracy is 254 meters, assuming source data meets National Map Accuracy Standards.

Vertical_Positional_Accuracy_Report:

NONE

Lineage

Source_Information

Originator: A. W. Kuchler

Publication_Date: 01/01/1964

Title: Potential Natural Vegetation of the conterminous U.S.

Publication_Information

Publication_Place: New York

Publisher: American Geographical Society

Source_Scale_Denominator: 3168000

Type_of_Source_Media: paper

Source_Time_Period_of_Content

Calendar_Date: 01/01/1964

Source_Citation_Abbreviation: KUCH

Source_Information

Originator: U.S. Geological Survey

Publication_Date: 01/01/1955

Title: Geologic Maps of Idaho, Montana, Wyoming, North Dakota

Publication_Information

Publication_Place: Reston, Virginia

Publisher: U.S. Geological Survey

Other_Citation_Details:

Idaho: 1978, Montana: 1955, Wyoming: 1985, N Dakota: 1995

Source_Scale_Denominator: 500000

Type_of_Source_Media: paper

Source_Time_Period_of_Content

Beginning_Date: 01/01/1955

Ending_Date: 01/01/1995

Source_Citation_Abbreviation: GEOL

Source_Contribution:

The data was drafted on mylar overlays on these maps, based on the information on these and other maps.

Process_Step

Process_Description:

Ecological units were drafted on 1:500,000 scale Geologic maps by soil scientists of the Northern Region forests, based on their knowledge and soil, climate, geologic, and vegetation maps available to them.

Source_Used_Citation_Abbreviation: KUCH

Source_Used_Citation_Abbreviation: GEOL

Process_Date: 11/01/1996

Source_Produced_Citation_Abbreviation: FIN

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information

Number of Arcs: 359

Number of Polygons: 117

Number of Polygon Labels: 116

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition

Grid_Coordinate_System_Name: State Plane Coordinate System 1983

SPCS_Zone_Identifier: 2500

Map_Projection_Name: Lambert Conformal Conic

Standard_Parallel: 45

Standard_Parallel: 49

Longitude_of_Central_Meridian: -109.5

Latitude_of_Projection_Origin: 44.25

False_Easting: 600000

False_Northing: 0

Planar_Distance_Units: meters

Geodetic_Model

Horizontal_Datum_Name: North American Datum of 1983

Altitude_Encoding_Method: Implicit coordinate

Entity_and_Attribute_Information:

Entity_Type_Definition: Polygon Attribute Table

Attribute_Label: SUBSECTION

Attribute_Definition: Subsection

This is the subsection identifier

Enumerated_Domain_Value Enumerated_Domain_Value_Definition

Enumerated_Domain_Value	Enumerated_Domain_Value_Definition
331Aa	Camas/Weippe Basalt Plateaus
331Ab	Palouse Hills
331Ac	Clearwater Canyon Breaks
331Da	Rocky Mountain Front Foothills
331Db	Montana Isolated Mountain Ranges
331Dc	Belt Mountain Foothills
331De	Little Belt Foothills
331Df	Missouri River Breaks
331Dh	Montana Glaciated Plains
331Ea	Missouri Coteau
331Fb	Shale Scablands
331Fc	Pierre Shale Plains
331Fd	Missouri Plateau
331Fe	Missouri Breaks
331Fg	Little Missouri Badlands
331Ga	Montana High Plains and Foothills
331Gb	Montana Shale Plains
331Gc	Powder River Basin/Breaks/Scoria Hills
331Gd	Wolf Mountains
331Ge	Montana Sedimentary Plains
332Aa	Glaciated Drift Plains
332Ab	Souris Basin
332Ac	Glaciated Outwash Plains
332Ad	Souris Sand Deltas
332Ae	Turtle Mountains
M331Aa	Absaroka/Gallatin Mountains
M331Af	Yellowstone Volcanic Plateau
M331Ag	Northern Absaroka Volcanic Mountains
M331Ah	Beartooth Mountains
M331Ai	Absaroka Sedimentary Mountains
M331Ak	West Yellowstone Valley

M331Al	Upper Yellowstone Valley
M331Am	Gallatin Foothills/Spanish Peaks
M331Ap	Madison Mountains
M331Ar	Beartooth Front
M331Ba	Bighorn Sedimentary Mountains
M332Aa	Lochsa/Salmon Breaklands
M332Ab	Central Idaho Glaciated Mountains
M332Ac	Central Idaho Mountains and Basins
M332Ba	Bitterroot Glaciated Canyons
M332Bb	Bitterroot/Frenchtown Valleys
M332Bc	South Anaconda/Bitterroot Mountains
M332Bd	Anaconda/Flint Creek Mountains
M332Be	Flint Creek/Upper Willow Creek Basins
M332Bg	Garnet/Sapphire Mountains
M332Bk	Rattlesnake/Blackfoot/South Swan Mountains
M332Bp	Avon/Nevada Valleys
M332Ca	North Rocky Mountain Front
M332Cb	Middle Rocky Mountain Front
M332Cc	South Rocky Mountain Front
M332Da	Snowy Foothills
M332Db	Little Belt/Snowy/Judith/Mountains
M332Dc	Crazy Mountains
M332De	Continental Divide Foothills
M332Dg	Big Belt Foothills
M332Dh	Big Belt Mountains
M332Dj	Boulder/Elkhorn Mountains
M332Dk	Central Montana Broad Valleys
M332Dm	South Elkhorn Mountains
M332Dn	North Tobacco Root Mountains and Foothills
M332Dp	Bridger Mountains and Foothills
M332Ea	Continental Divide Uplands
M332Eb	East Pioneer Mountains
M332Ec	Deerlodge Valley
M332Ee	West Pioneer Mountains
M332Eg	Anaconda Mountains
M332Eh	Beaverhead Mountains
M332Ej	Southwest Montana Intermontane Basins and
Valleys	
M332Ek	Ruby/Tobacco Root Mountains
M332En	Gravelly/Snowcrest Mountains
M332Ep	Blacktail Mountains
M332Er	Southern Beaverhead Mountains
M332Gd	Snake River Mountains and Canyonlands
M333Aa	Pend Oreille/Selkirk Low Mountains and Valleys
M333Ab	Selkirk Mountains
M333Ac	Northern Idaho Valleys
M333Ba	Purcell/North Cabinet Mountains
M333Bb	Salish Mountains
M333Bc	Flathead River Valley
M333Be	Cabinet Mountains
M333Ca	Livingston Mountains
M333Cb	Whitefish/Swan Mountains
M333Cc	Mission/Swan Valley and Mountains
M333Ce	Flathead Thrust Faulted Mountains
M333Da	Coeur d'Alene Mountains
M333Db	St.Joe/Bitterroot Mountains
M333Dc	Clark Fork Valley and Mountains

M333Dd North Idaho Hills and Valleys
 M333De Clearwater Mountains and Breaks
 342Ad Bighorn Intermontane Basin
 Beginning_Date_of_Attribute_Values: 10/01/1996

Attribute_Label: SECTION

Attribute_Definition: Section

This is the Section identifier, which is included in the first 5 digits of the subsection attribute.

Enumerated_Domain_Value Enumerated_Domain_Value_Definition

Enumerated_Domain_Value	Enumerated_Domain_Value_Definition
331A	Palouse Prairie
331D	Northwestern Glaciated Plains
331E	Northern Glaciated Plains
331F	Northwestern Great Plains
331G	Powder River Basin
332A	Northeastern Glaciated Plains
332B	Western Glaciated Plains
342A	Bighorn Basin
M331A	Yellowstone Highlands
M331B	Bighorn Mountains
M332A	Idaho Batholith
M332B	Bitterroot Valley
M332C	Rocky Mountain Front
M332D	Belt Mountains
M332E	Beaverhead Mountains
M332G	Blue Mountains
M333A	Okanogan Highlands
M333B	Flathead Valley
M333C	Northern Rockies
M333D	Bitterroot Mountains

Beginning_Date_of_Attribute_Values: 10/01/1996

Attribute_Label: PROVINCE

Attribute_Definition: Province

The province identifier is the first three characters of the subsection identifier.

Enumerated_Domain_Value Enumerated_Domain_Value_Definition

Enumerated_Domain_Value	Enumerated_Domain_Value_Definition
332	Great Plains Steppe
M333	Northern Rocky Mountains
331	Great Plains-Palouse Dry Steppe
M332	Middle Rocky Mountains
M331	Southern Rocky Mountains
342	Intermountain Semi-Desert

Beginning_Date_of_Attribute_Values: 10/01/1996

Attribute_Label: ACRES

Attribute_Definition: Acres

This is a calculated value derived from the area field.

Range_Domain

Range_Domain_Minimum: 0

Range_Domain_Maximum: 15823774

Beginning_Date_of_Attribute_Values: 10/01/1996

Distribution_Information:

Metadata_Reference_Information:

Metadata_Date: 06/01/2000

Metadata_Contact: Gerry Daumiller