

Identification_Information

Citation

Citation_Information

Originator: Montana State Library
Publication_Date: 19970723
Title: Landtype Associations of the Northern Region
Geospatial_Data_Presentation_Form: map
Publication_Information
Publication_Place: Missoula, Montana
Publisher: Montana State Library

Description

Abstract:

Landtype association mapping was done at a scale of 1:100,000 by Forest Soil Scientists using a Regionally consistent legend for dominant groups of landforms and geologic materials occurring in repeatable patterns on National Forest land.

Purpose:

This mapping is intended to support broad-scale watershed and landscape level assessments. It should be used as a stratification tool for defining locations with similar geomorphic environments. Useful for evaluating and comparing biophysical conditions across large landscapes. Directly linked to distinct stream and riparian types (as controlled) by geomorphic properties. Also useful for comparisons of erodability, sediment production and delivery.

Time_Period_of_Content

Time_Period_Information

Range_of_Dates/Times

Beginning_Date:
Ending_Date: 19970723

Currentness_Reference: Publication Date

Status

Progress: Complete

Maintenance_and_Update_Frequency: Unknown

Spatial_Domain

Bounding_Coordinates

West_Bounding_Coordinate: -116.755768
East_Bounding_Coordinate: -96.3393326
North_Bounding_Coordinate: 48.5051537
South_Bounding_Coordinate: 44.1687202

Data_Set_G-Polygon

Data_Set_G-Polygon_Outer_G-Ring

G-Ring_Latitude: 49.1131
G-Ring_Longitude: -117.6045
G-Ring_Latitude: 47.2561
G-Ring_Longitude: -96.3976
G-Ring_Latitude: 43.6431
G-Ring_Longitude: -97.2687
G-Ring_Latitude: 44.0574
G-Ring_Longitude: -116.9444
G-Ring_Latitude: 49.1131
G-Ring_Longitude: -117.6045

Keywords

Theme

Theme_Keyword_Thesaurus: None
Theme_Keyword: subsection

Theme_Keyword: ecological unit
Theme_Keyword: soils
Theme_Keyword: land type
Theme_Keyword: landtype
Theme_Keyword: association
Theme_Keyword: landform
Theme_Keyword: geologic material
Theme_Keyword: section

Place

Place_Keyword_Thesaurus: None
Place_Keyword: Montana
Place_Keyword: Idaho
Place_Keyword: North Dakota

Access_Constraints:

It is strongly recommended that persons wishing to use this coverage obtain a copy of the original CD which includes the documentation of all associated descriptive data for each map unit.

Use_Constraints:

Persons using this data to create various interpretive maps (ie. PNV maps) based on associating other coverages with the LTA's MUST include the following statement on any such map products: "This map is an interpretive map based on the R-1 Landtype Association Mapping. It does not represent any of the levels in the National Hierarical Framework of Ecological Units, and the R-1 ECOMAP Group does not warrant its validity or accuracy. Appropriate use limited to 1:100000 scale. For larger scales the coverage should be used as a stratification tool for defining locations with biophysical similarities.

Point_of_Contact

Contact_Information

Contact_Organization_Primary

Contact_Organization: Northern Region, USFS
Contact_Person: John Nesser
Contact_Position: Regional Soil Scientist

Contact_Address

Address_Type: mailing and physical address
Address: 200 East Broadway
City: Missoula
State_or_Province: Montana
Postal_Code: 59807
Country: USA
Contact_Voice_Telephone: (406) 329-3412
Contact_Facsimile_Telephone: (406)
Contact_Electronic_Mail_Address: jnesser/r1@fs.fed.us
Hours_of_Service: Monday-Friday, 8-5, Mountain Time

Native_Data_Set_Environment:

Arc/Info version 7.1.1, SunOS version 5.4
Pathname = ../ltas

Data_Quality_Information:

Attribute_Accuracy

Attribute_Accuracy_Report:

Accuracy of area and length attributes is fair.

Logical_Consistency_Report:

Polygon and arc-node topology exists.

Completeness_Report:
Data set is complete for Region 1 of USDA NFS.
Excludes large areas east of the Continental Divide.

Positional_Accuracy
Horizontal_Positional_Accuracy
Horizontal_Positional_Accuracy_Report:
Approximate horizontal accuracy is 51 meters, assuming
source data meets National Map Accuracy Standards.

Vertical_Positional_Accuracy
Vertical_Positional_Accuracy_Report:
NONE

Lineage
Source_Information
Source_Citation
Citation_Information
Originator: USDA Forest Service Region 1
Publication_Date: 19971119
Title: Landtype Associations of the Northern Region
Edition: First
Geospatial_Data_Presentation_Form: map
Publication_Information
Publication_Place: Montana State Library
Publisher: GIS-NRIS
Other_Citation_Details:
CDROM reproduced by Intermountain Research Station, Ogden Utah
Source_Scale_Denominator: 100000
Type_of_Source_Media: cdrom
Source_Time_Period_of_Content
Time_Period_Information
Range_of_Dates/Times
Beginning_Date: 1992
Ending_Date: 19970723
Source_Currentness_Reference: Ground Condition
Source_Citation_Abbreviation: lta1
Source_Contribution:
Coordination and correlation of mapping by Forest Soil Scientists.

Process_Step
Process_Description:
Imported 1:24,000 landtype (Soil Survey) coverages from
individual Forests.
Source_Used_Citation_Abbreviation: lta1
Source_Used_Citation_Abbreviation: lta1
Source_Used_Citation_Abbreviation: lta1
Source_Used_Citation_Abbreviation: lta1
Process_Date: 0
Source_Produced_Citation_Abbreviation:

Process_Step
Process_Description:
Scanned 1:100,000 delineations of quads not covered by
Landtype Surveys. Scanning done at 400 dpi, coverages
created using Arc/Cad.
Process_Date: 0
Source_Produced_Citation_Abbreviation:

Process_Step
Process_Description:
Coverages edge-matched in Arcedit. Plots sent to Forests

for corrections.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Numerous iterations of corrections submitted and entered.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Correlation of final legend and mapping.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Mapjoin of coverages into northhalf and southhalf for Idaho
 and Western Montana; mapjoined with remainder of coverages
 into final draft coverage for Region 1.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Dissolved on alta and forest attributes to create unique
 LTA polygons.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Added attributes for geologic material and landform based on
 lookup tables with a_lta values and legend categories.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Performed identity with subsection coverage for Region 1.
 This added ecological Section and Subsection attributes for
 each LTA polygon.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Process_Step
 Process_Description:
 Created regions with regionquery based on subsections.
 Process_Date: 0
 Source_Produced_Citation_Abbreviation:
 Spatial_Data_Organization_Information:
 Direct_Spatial_Reference_Method: Vector
 Point_and_Vector_Object_Information
 SDTS_Terms_Description
 SDTS_Point_and_Vector_Object_Type: Complete Chain
 Point_and_Vector_Object_Count: 91540
 SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains
 Point_and_Vector_Object_Count: 33415
 SDTS_Point_and_Vector_Object_Type: Area Point
 Point_and_Vector_Object_Count: 33414
 Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition

Planar

Map_Projection

Map_Projection_Name: Albers Conical Equal Area

Albers_Conical_Equal_Area

Standard_Parallel: 46

Standard_Parallel: 48

Longitude_of_Central_Meridian: -109.5

Latitude_of_Projection_Origin: 44.25

False_Easting: 600000.00000

False_Northing: 0.00000

Planar_Coordinate_Information

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation

Abscissa_Resolution: .1

Ordinate_Resolution: .1

Planar_Distance_Units: meters

Geodetic_Model

Horizontal_Datum_Name: North American Datum of 1927

Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.4

Denominator_of_Flattening_Ratio: 294.98

Entity_and_Attribute_Information:

Detailed_Description

Entity_Type

Entity_Type_Label: LTAS.PAT

Entity_Type_Definition: Polygon Attribute Table

Entity_Type_Definition_Source: None

Attribute

Attribute_Label: AREA

Attribute_Definition:

Area of polygon

Attribute_Definition_Source: None

Attribute_Domain_Values

Range_Domain

Range_Domain_Minimum: 11

Range_Domain_Maximum: 1547700352

Attribute_Units_of_Measure: Square METERS

Beginning_Date_of_Attribute_Values: 19970723

Attribute

Attribute_Label: PERIMETER

Attribute_Definition:

Perimeter of polygon

Attribute_Definition_Source: None

Attribute_Domain_Values

Range_Domain

Range_Domain_Minimum: 22

Range_Domain_Maximum: 2953630.25

Attribute_Units_of_Measure: METERS

Beginning_Date_of_Attribute_Values: 19970723

Attribute

Attribute_Label: A_LTA

Attribute_Definition:

Landtype Association

Landtype Association coding, refer to documentation
and Region 1 LTA legend. Seventy one coded categories used

to describe major geomorphic categories mapped within R1 boundaries.

Attribute_Definition_Source: None

Attribute_Domain_Values

Enumerated_Domain

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: not mapped

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: not mapped

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Rolling Plains

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 10

Enumerated_Domain_Value_Definition: Recent Deposits, coarse

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 11

Enumerated_Domain_Value_Definition: Lacustrine

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 12

Enumerated_Domain_Value_Definition: Glacial Terraces, Fans, Outwash,

Coarse

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 13

Enumerated_Domain_Value_Definition: Glacial Terraces, Fans, Outwash,

Fine

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 14

Enumerated_Domain_Value_Definition: Recent Deposits, fine

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 17

Enumerated_Domain_Value_Definition: Loess Deposits

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition: Rolling Plains, glaciated

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 20

Enumerated_Domain_Value_Definition: Breaklands, Belt Series

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 21

Enumerated_Domain_Value_Definition: Breaklands, highly weathered

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 22

Enumerated_Domain_Value_Definition: Breaklands, weakly weathered

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 23

Enumerated_Domain_Value_Definition: Breaklands, Gneiss and Schists

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 24

Enumerated_Domain_Value_Definition: Breaklands, Volcanics

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 25

Enumerated_Domain_Value_Definition: Breaklands, Sandstones and Shales

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 26

Enumerated_Domain_Value_Definition: Breaklands, Gneiss and Schists,
 mod. weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 27
 Enumerated_Domain_Value_Definition: Breaklands, Carbonates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 28
 Enumerated_Domain_Value_Definition: Dissected Breaklands, Belt Series
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 29
 Enumerated_Domain_Value_Definition: Breaklands, Quartzites and Calc-
 Silicates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Dissected Plains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 31
 Enumerated_Domain_Value_Definition: not used
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Steep Mountain Slopes, Volcanics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 35
 Enumerated_Domain_Value_Definition: Mtn Slopes & Ridges, Quartzites-
 Calc-Silicate, wkwx
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Steep Mountain Slopes, Sandstones
 and Shales
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Steep Mountain Slopes, Carbonates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: not used
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Steep Mtn Slopes, Gneiss &
 Schists, glaciated
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Dissected Plains, glaciated
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Steep Mountain Slopes, Belt
 Series, glaciated
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Steep Mtn Slopes, Granitics,
 glaciated
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Steep Mtn Slopes, Volcanics,
 glaciated
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 43

Enumerated_Domain_Value_Definition: Steep Mtn Slopes, Carbonates,
glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 44
Enumerated_Domain_Value_Definition: Steep Mtn Slopes, Sandstones &
Shales, glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 45
Enumerated_Domain_Value_Definition: Mtn Slopes, Granitics, weakly
glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 46
Enumerated_Domain_Value_Definition: Glaciated Trough Walls, Granitics
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 47
Enumerated_Domain_Value_Definition: Glaciated Trough Walls, Belt
Series
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Badlands
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 50
Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Belt
Series, glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 51
Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Granitics,
glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 53
Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Sandstones
& Shales, glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 54
Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Volcanics,
glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 57
Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Gneiss &
Schists, glaciated
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 58
Enumerated_Domain_Value_Definition: Glacial Till, Belt Series, highly
weathered
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 59
Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges,
Gneiss and Schists
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Eroded Uplands (Volcanic Tuffs)
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 60
Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges, Belt
Series
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 61

Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Granitics,
 highly weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 62
 Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Granitics,
 weakly weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 63
 Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges,
 Gneiss and Schists
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 64
 Enumerated_Domain_Value_Definition: Mtn Slopes and Ridges, Volcanics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 65
 Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges, Soft
 Sedimentary
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 66
 Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges,
 Carbonates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 67
 Enumerated_Domain_Value_Definition: Mtn Slopes and
 Ridges, Quartzites&Calc-Silicates, highly wx
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 68
 Enumerated_Domain_Value_Definition: Mountain Slopes and Ridges,
 Sandstones and Shales
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 69
 Enumerated_Domain_Value_Definition: Pediment, Undifferentiated,
 Alluvium/depositional
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Plateaus and Buttes
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 70
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Belt Series
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 71
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Granitics,
 highly weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 72
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Granitics,
 weakly weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 73
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Volcanics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 74
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Sandstones
 and Shales
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 75

Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Quartzites &
 Calc-Silicates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 77
 Enumerated_Domain_Value_Definition: Mountain Ridge Tops, Gneiss and
 Schists
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Gneiss and Schists,
 Alluvium/Depositional
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 80
 Enumerated_Domain_Value_Definition: Rolling Hills, Belt Series
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 81
 Enumerated_Domain_Value_Definition: Rolling Hills, Granitics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 82
 Enumerated_Domain_Value_Definition: Rolling Hills, Volcanics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 83
 Enumerated_Domain_Value_Definition: Tertiary Sediments, Fine,
 Alluvium/Depositional
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 84
 Enumerated_Domain_Value_Definition: Rolling Hills, Gneiss & Schists,
 highly weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 85
 Enumerated_Domain_Value_Definition: Rolling Hills, Gneiss & Schists,
 moderately weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 88
 Enumerated_Domain_Value_Definition: Tertiary Sediments, Course,
 Alluvium/Depositional
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Sand Hills and Sand Dunes,
 Alluvium/Depositional
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Mass Wasted
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: not used
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Colluvial Deposits, Mass Failures
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Lakes and Reservoirs
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition:
 Enumerated_Domain_Value_Definition_Source: none
 Attribute_Units_of_Measure: none
 Beginning_Date_of_Attribute_Values: 19970723

Attribute

Attribute_Label: FOREST

Attribute_Definition:

National forest

National Forest of origin or which part of 100k quads that were edgematched prior to mapjoin.

Attribute_Definition_Source: None

Attribute_Domain_Values

Enumerated_Domain

Enumerated_Domain_Value: NORT

flathead, glacier, etc

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: LEWI

Enumerated_Domain_Value_Definition: lewis and clark

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: CUST

Enumerated_Domain_Value_Definition: custer

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BOB

forest

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: SOUT

Enumerated_Domain_Value_Definition: southhalf, clearwater, lolo, etc

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: HELE

Enumerated_Domain_Value_Definition: helena

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BLA

forest

Enumerated_Domain_Value_Definition: blackfoot area from Missoula

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BITT

Enumerated_Domain_Value_Definition: bitterroot

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: DEER

Enumerated_Domain_Value_Definition: deer lodge

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: GALL

Enumerated_Domain_Value_Definition: gallatin

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BEAV

Enumerated_Domain_Value_Definition: beaverhead

Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BEAR

Enumerated_Domain_Value_Definition: beartooth district of custer

Enumerated_Domain_Value_Definition_Source: none

Beginning_Date_of_Attribute_Values: 19970723

Attribute

Attribute_Label: SUBSECTION

Attribute_Definition:

Subsection

Subsection identifier from National Hierarchy of Ecological Units (Nesser, et.al. 1997).

Attribute_Definition_Source: None

Attribute_Domain_Values

Enumerated_Domain

Enumerated_Domain_Value: 251Aa
Enumerated_Domain_Value_Definition: Red River Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 251Ab
Enumerated_Domain_Value_Definition: Red River Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 251Ba
Enumerated_Domain_Value_Definition: North Central Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 251Bb
Enumerated_Domain_Value_Definition: North Central Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Aa
Enumerated_Domain_Value_Definition: Camas/Weippe Basalt Plateaus
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Ab
Enumerated_Domain_Value_Definition: Palouse Hills
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Ac
Enumerated_Domain_Value_Definition: Clearwater Canyon Breaks
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Da
Enumerated_Domain_Value_Definition: Rocky Mountain Front Foothills
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Db
Enumerated_Domain_Value_Definition: Montana Isolated Mountain Ranges
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Dc
Enumerated_Domain_Value_Definition: Belt Mountain Foothills
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331De
Enumerated_Domain_Value_Definition: Little Belt Foothills
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Df
Enumerated_Domain_Value_Definition: Missouri River Breaks
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Dh
Enumerated_Domain_Value_Definition: Montana Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Ea
Enumerated_Domain_Value_Definition: Missouri Coteau
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Fb
Enumerated_Domain_Value_Definition: Shale Scablands
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Fc
Enumerated_Domain_Value_Definition: Pierre Shale Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Fd
Enumerated_Domain_Value_Definition: Missouri Plateau
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Fe
Enumerated_Domain_Value_Definition: Missouri Breaks
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331Fg
Enumerated_Domain_Value_Definition: Little Missouri Badlands

Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 332Ba
Enumerated_Domain_Value_Definition: Central Black Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 342Ad
Enumerated_Domain_Value_Definition: Bighorn Intermontane Basin
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Aa
Enumerated_Domain_Value_Definition: Absaroka/Gallatin Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Af
Enumerated_Domain_Value_Definition: Yellowstone Volcanic Plateau
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ag
Enumerated_Domain_Value_Definition: Northern Absaroka Volcanic

Mountains

Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ah
Enumerated_Domain_Value_Definition: Beartooth Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ai
Enumerated_Domain_Value_Definition: Absaroka Sedimentary Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ak
Enumerated_Domain_Value_Definition: West Yellowstone valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Al
Enumerated_Domain_Value_Definition: Upper Yellowstone Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Am
Enumerated_Domain_Value_Definition: Gallatin Foothills/Spanish Peaks
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ap
Enumerated_Domain_Value_Definition: Madison Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ar
Enumerated_Domain_Value_Definition: Beartooth Front
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331Ba
Enumerated_Domain_Value_Definition: Bighorn Sedimentary Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332Aa
Enumerated_Domain_Value_Definition: Lochsa/Salmon Breaklands
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332Ab
Enumerated_Domain_Value_Definition: Central Idaho Glaciated Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332Ac
Enumerated_Domain_Value_Definition: Central Idaho Mountains and

Basins

Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332Ba
Enumerated_Domain_Value_Definition: Bitterroot Glaciated Canyons
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332Bb
Enumerated_Domain_Value_Definition: Bitterroot/Frenchtown Valleys
Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: M332Bc
 Enumerated_Domain_Value_Definition: South Anaconda/Bitterroot
 Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Bd
 Enumerated_Domain_Value_Definition: Anaconda/Flint Creek Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Be
 Enumerated_Domain_Value_Definition: Flint Creek/Upper Willow Creek
 Basins
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Bg
 Enumerated_Domain_Value_Definition: Garnet/Sapphire Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Bk
 Enumerated_Domain_Value_Definition: Rattlesnake/Blackfoot/South Swan
 Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Bp
 Enumerated_Domain_Value_Definition: Avon/Nevada Valleys
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ca
 Enumerated_Domain_Value_Definition: North Rocky Mountain Front
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Cb
 Enumerated_Domain_Value_Definition: Middle Rocky Mountain Front
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Cc
 Enumerated_Domain_Value_Definition: South Rocky Mountain Front
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Da
 Enumerated_Domain_Value_Definition: Snowy Foothills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Db
 Enumerated_Domain_Value_Definition: Little Belt/Snowy/Judith
 Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dc
 Enumerated_Domain_Value_Definition: Crazy Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332De
 Enumerated_Domain_Value_Definition: Continental Divide Foothills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dg
 Enumerated_Domain_Value_Definition: Big Belt Foothills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dh
 Enumerated_Domain_Value_Definition: Big Belt Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dj
 Enumerated_Domain_Value_Definition: Boulder/Elkhorn Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dk
 Enumerated_Domain_Value_Definition: Central Montana Broad Valleys
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dm
 Enumerated_Domain_Value_Definition: South Elkhorn Mountains

Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dn
 Enumerated_Domain_Value_Definition: North Tobacco Root Mountains and
 Foothills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Dp
 Enumerated_Domain_Value_Definition: Bridger Mountains and Foothills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ea
 Enumerated_Domain_Value_Definition: Continental Divide Uplands
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Eb
 Enumerated_Domain_Value_Definition: East Pioneer Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ec
 Enumerated_Domain_Value_Definition: Deerlodge Valley
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ee
 Enumerated_Domain_Value_Definition: West Pioneer Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Eg
 Enumerated_Domain_Value_Definition: Anaconda Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Eh
 Enumerated_Domain_Value_Definition: Beaverhead Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ej
 Enumerated_Domain_Value_Definition: Southwest Montana Intermontane
 Basins and Valleys
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ek
 Enumerated_Domain_Value_Definition: Ruby/Tobacco Root Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332En
 Enumerated_Domain_Value_Definition: Gravelly/Snowcrest Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Ep
 Enumerated_Domain_Value_Definition: Blacktail Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Er
 Enumerated_Domain_Value_Definition: Southern Beaverhead Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M332Gd
 Enumerated_Domain_Value_Definition: Snake River Mountains and
 Canyonlands
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M333Aa
 Enumerated_Domain_Value_Definition: Pend Oreille/Selkirk Low
 Mountains and Valleys
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M333Ab
 Enumerated_Domain_Value_Definition: Selkirk Mountains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M333Ac
 Enumerated_Domain_Value_Definition: Northern Idaho valleys
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: M333Ba

Enumerated_Domain_Value_Definition: Purcell/North Cabinet Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Bb
Enumerated_Domain_Value_Definition: Salish Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Bc
Enumerated_Domain_Value_Definition: Flathead River Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Be
Enumerated_Domain_Value_Definition: Cabinet Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Ca
Enumerated_Domain_Value_Definition: Livingston Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Cb
Enumerated_Domain_Value_Definition: Whitefish/Swan Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Cc
Enumerated_Domain_Value_Definition: Mission/Swan Valley and Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Ce
Enumerated_Domain_Value_Definition: Flathead Thrust Faulted Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Da
Enumerated_Domain_Value_Definition: Cour d Alene Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Db
Enumerated_Domain_Value_Definition: St. Joe/Bitterroot Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Dc
Enumerated_Domain_Value_Definition: Clark Fork Valley and Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333Dd
Enumerated_Domain_Value_Definition: North Idaho Hills and Valleys
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333De
Enumerated_Domain_Value_Definition: Clearwater Mountains and Breaks
Enumerated_Domain_Value_Definition_Source: none
Beginning_Date_of_Attribute_Values: 19970723
Attribute
Attribute_Label: SECTION
Attribute_Definition:
Section
Section identifier from National Hierarchy of Ecological
Units.
Attribute_Definition_Source: None
Attribute_Domain_Values
Enumerated_Domain
Enumerated_Domain_Value: 251A
Enumerated_Domain_Value_Definition: Red River Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331A
Enumerated_Domain_Value_Definition: Palouse Prairie
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331D
Enumerated_Domain_Value_Definition: Northwestern Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: 331E
Enumerated_Domain_Value_Definition: Northern Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331F
Enumerated_Domain_Value_Definition: Norhtwestern Great Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331G
Enumerated_Domain_Value_Definition: Powder River Basin
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 332A
Enumerated_Domain_Value_Definition: Northeastern Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 332B
Enumerated_Domain_Value_Definition: Western Glaciated Plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 342A
Enumerated_Domain_Value_Definition: Bighorn basin
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331A
Enumerated_Domain_Value_Definition: Yellowstone Highlands
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331B
Enumerated_Domain_Value_Definition: Bighorn Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332A
Enumerated_Domain_Value_Definition: Idaho Batholith
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332B
Enumerated_Domain_Value_Definition: Bitterroot Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332C
Enumerated_Domain_Value_Definition: Rocky Mountain Front
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332D
Enumerated_Domain_Value_Definition: Belt Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332E
Enumerated_Domain_Value_Definition: Beaverhead Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332G
Enumerated_Domain_Value_Definition: Blue Mountains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333A
Enumerated_Domain_Value_Definition: Okanagan Highlands
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333B
Enumerated_Domain_Value_Definition: Flathead Valley
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333C
Enumerated_Domain_Value_Definition: Northern Rockies
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M333D
Enumerated_Domain_Value_Definition: Bitterroot Mountains
Enumerated_Domain_Value_Definition_Source: none
Beginning_Date_of_Attribute_Values:
Attribute
Attribute_Label: PROVINCE

Attribute_Definition:
Province
Province identifier from National Hierarchy of Ecological Units.
Attribute_Definition_Source: None
Attribute_Domain_Values
Enumerated_Domain
Enumerated_Domain_Value: M333
Enumerated_Domain_Value_Definition: Northern Rocky Mountain Forest-
Steppe-Coniferous
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M332
Enumerated_Domain_Value_Definition: Middle Rocky Mountain Forest-
Steppe-Coniferous
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 331
Enumerated_Domain_Value_Definition: Great Plains-Palouse Dry Steppe
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: M331
Enumerated_Domain_Value_Definition: Southern Rocky Mountain Steppe-
Open Woodland-Coniferous Forest-Alpine Meadow
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 342
Enumerated_Domain_Value_Definition: Intermountain Semi-Desert
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: 251
Enumerated_Domain_Value_Definition: Red River Valley
Enumerated_Domain_Value_Definition_Source: none
Beginning_Date_of_Attribute_Values:
Attribute
Attribute_Label: PARMAT
Attribute_Definition:
Geologic material
Abbreviated coding for major geologic material groups
as they appear on the LTA legend.
Attribute_Definition_Source: None
Attribute_Domain_Values
Enumerated_Domain
Enumerated_Domain_Value: AL
Enumerated_Domain_Value_Definition: alluvium
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: DS
Enumerated_Domain_Value_Definition: alluvium, deltaic sediments
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: GNST
Enumerated_Domain_Value_Definition: gneiss, schist
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: GR
Enumerated_Domain_Value_Definition: granitics
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: GRHW
Enumerated_Domain_Value_Definition: granitics, highly weathered
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: GRWW
Enumerated_Domain_Value_Definition: granitics, weakly weathered
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: LC

Enumerated_Domain_Value_Definition: alluvium, deltaic sediments
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: LO
 Enumerated_Domain_Value_Definition: loess
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: MIX
 Enumerated_Domain_Value_Definition: mixed geology
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: MS
 Enumerated_Domain_Value_Definition: metasediments
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: MSGT
 Enumerated_Domain_Value_Definition: metasediments, glacial till
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: QUCS
 Enumerated_Domain_Value_Definition: quartzite, calc-silicates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: SC
 Enumerated_Domain_Value_Definition: carbonates
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: SHSS
 Enumerated_Domain_Value_Definition: shale, siltstone, sandstone
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: SSED
 Enumerated_Domain_Value_Definition: soft sedimentary
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: SSSH
 Enumerated_Domain_Value_Definition: sandstone, shale
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: TSED
 Enumerated_Domain_Value_Definition: tertiary sediments
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: VOL
 Enumerated_Domain_Value_Definition: volcanics
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: WAT
 Enumerated_Domain_Value_Definition: water
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: WSD
 Enumerated_Domain_Value_Definition: wind deposited sediments
 Enumerated_Domain_Value_Definition_Source: none
 Beginning_Date_of_Attribute_Values: 19970723
 Attribute
 Attribute_Label: LANDFORM
 Attribute_Definition:
 Landform
 Abbreviations of landform categories as described in the
 legend.
 Attribute_Definition_Source: None
 Attribute_Domain_Values
 Enumerated_Domain
 Enumerated_Domain_Value: BA
 Enumerated_Domain_Value_Definition: badlands
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: BK
 Enumerated_Domain_Value_Definition: breaks
 Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: BKMW
 Enumerated_Domain_Value_Definition: breaks, moderately weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: CODP
 Enumerated_Domain_Value_Definition: colluvial deposits
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: DIBK
 Enumerated_Domain_Value_Definition: dissected breaks
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: DIPL
 Enumerated_Domain_Value_Definition: dissected plains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: ERUP
 Enumerated_Domain_Value_Definition: eroded uplands
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: FSMORI
 Enumerated_Domain_Value_Definition: frost shattered mountains ridges
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: GLDIPL
 Enumerated_Domain_Value_Definition: dissected glaciated plains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: GLLAPL
 Enumerated_Domain_Value_Definition: glaciated lacustrine plains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: GLMS
 Enumerated_Domain_Value_Definition: glaciated mountain slopes
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: GLMSRI
 Enumerated_Domain_Value_Definition: glaciated mountain slopes and
 ridges
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: GLPL
 Enumerated_Domain_Value_Definition: glaciated plains
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: HIDU
 Enumerated_Domain_Value_Definition: hills and dunes
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: HIPT
 Enumerated_Domain_Value_Definition: hills and plateaus
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: HRMS
 Enumerated_Domain_Value_Definition: high relief mountain slopes
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: LHILHW
 Enumerated_Domain_Value_Definition: low relief hills, highly
 weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: LHILMW
 Enumerated_Domain_Value_Definition: low relief hills, moderately
 weathered
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: LOHILL
 Enumerated_Domain_Value_Definition: low relief hills
 Enumerated_Domain_Value_Definition_Source: none
 Enumerated_Domain_Value: MSRI
 Enumerated_Domain_Value_Definition: mountains slopes and ridges
 Enumerated_Domain_Value_Definition_Source: none

Enumerated_Domain_Value: MSRIMW
Enumerated_Domain_Value_Definition: mountain slopes and ridges,
moderately weathered
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: MWSL
Enumerated_Domain_Value_Definition: mass wasted slopes
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: PED
Enumerated_Domain_Value_Definition: pediment
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: PL
Enumerated_Domain_Value_Definition: plains
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: PTBT
Enumerated_Domain_Value_Definition: erosional plateaus and buttes
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: STGLMS
Enumerated_Domain_Value_Definition: steep glaciated mountain slopes
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: TR
Enumerated_Domain_Value_Definition: glacial troughs and trough walls
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: VA
Enumerated_Domain_Value_Definition: valleys
Enumerated_Domain_Value_Definition_Source: none
Enumerated_Domain_Value: WATER
Enumerated_Domain_Value_Definition: water
Enumerated_Domain_Value_Definition_Source: none
Attribute_Units_of_Measure: none
Beginning_Date_of_Attribute_Values: 19970723

Distribution_Information:

Distributor

Contact_Information

Contact_Organization_Primary

Contact_Organization: Region 1 USFS

Contact_Person: John Nesser

Contact_Position: Regional Soil Scientist

Contact_Address

Address_Type: mailing and physical address

Address: 200 East Broadway

City: Missoula

State_or_Province: Montana

Postal_Code: 59807

Country: USA

Contact_Voice_Telephone: (406) 329-3412

Contact_Facsimile_Telephone: (406)

Contact_Electronic_Mail_Address: jnesser/r1@fs.fed.us

Hours_of_Service: Monday-Friday, 8-5, Mountain Time

Distribution_Liability:

Users must assume responsibility to determine the
usability of this data for their purposes.

Standard_Order_Process

Non-digital_Form:

Contact the State Library to see if the data is
available as hardcopy maps.

Fees:

For-profit organizations must pay our costs to reproduce the data. Fees can be waived if doing Government work.

Standard_Order_Process

Digital_Form

Digital_Transfer_Information

Format_Name: Arc/Info Export

Format_Version_Number: 7.0.2

Format_Version_Date: 19940915

Digital_Transfer_Option

Offline_Option

Offline_Media: CDRom

Recording_Format:

Metadata_Reference_Information:

Metadata_Date: 19971028

Metadata_Review_Date: 19971118

Metadata_Contact

Contact_Information

Contact_Organization_Primary

Contact_Organization: Montana State Library

Contact_Person: Duane F. Lund / Catherine C. Maynard

Contact_Address

Address_Type: mailing and physical address

Address: 1515 East 6th Avenue

City: Helena

State_or_Province: Montana

Postal_Code: 59620-1800

Country: USA

Contact_Voice_Telephone: (406) 444-4546

Contact_Facsimile_Telephone: (406) 444-0581

Contact_Electronic_Mail_Address: dlund@nris.mt.gov

Hours_of_Service: Monday-Friday, 8-5, Mountain Time

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial

Metadata

Metadata_Standard_Version: 19940608