

Fire Sciences Laboratory, Rocky Mountain Research Station

Metadata for Potential Natural Vegetation Groups, Version 2000

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Identification_Information:

Citation

Citation_Information

Originator: **Fire Sciences Laboratory, Rocky Mountain Research Station**
Publication_Date: **20010331**
Title: **Potential Natural Vegetation Groups, Version 2000**
Geospatial_Data_Presentation_Form: **map**

Publication_Information

Publication_Place: **Missoula, Montana**
Publisher: **Fire Sciences Laboratory, Rocky Mountain Research**

Station

Description

Abstract:

Kuchler's Potential Natural Vegetation (PNV) map was refined to match terrain using a 500 meter Digital Elevation Model, 4th Code Hydrologic Units, and Ecological Subregions (Bailey's Sections). These biophysical data layers were integrated with current vegetation layers to develop generalized successional pathway diagrams. Expert regional panels refined the PNV map based on these successional pathways. Note: These coarse-scale data were developed for national-level planning. Summaries of the data were restricted to state or Forest Service regional scales. The data were not intended to be used at finer spatial

scales.

Purpose:

Time_Period_of_Content

Time_Period_Information

Single_Date/Time

Calendar_Date: 0

Currentness_Reference: **Publication Date**

Status

Progress: **Complete**

Maintenance_and_Update_Frequency: **Unknown**

Spatial_Domain

Bounding_Coordinates

West_Bounding_Coordinate: **-119.938095**

East_Bounding_Coordinate: **-65.5722885**

North_Bounding_Coordinate: **46.6633530**

South_Bounding_Coordinate: **23.6649513**

Data_Set_G-Polygon

Data_Set_G-Polygon_Outer_G-Ring

G-Ring_Latitude: **49.5551**

G-Ring_Longitude: **-130.8479**

G-Ring_Latitude: **47.9381**

G-Ring_Longitude: **-63.6655**

G-Ring_Latitude: **21.7892**

G-Ring_Longitude: **-75.0413**

G-Ring_Latitude: **22.8175**

G-Ring_Longitude: **-120.7951**

G-Ring_Latitude: **49.5821**

G-Ring_Longitude: **-130.7458**

G-Ring_Latitude: **49.5551**

G-Ring_Longitude: **-130.8479**

Keywords

Theme

Theme_Keyword_Thesaurus: **None**

Theme_Keyword: **fuel management**

Theme_Keyword: **Potential Natural Vegetation**

Theme_Keyword: **Kuchler**

Place

Place_Keyword_Thesaurus: **None**

Place_Keyword: **United States**

Access_Constraints:

None

Use_Constraints:

Point_of_Contact

Contact_Information

Contact_Organization_Primary

Contact_Organization: **Fire Sciences Laboratory, Rocky Mountain Research**

Station

Contact_Person: **Fire Effects Project**

Contact_Position:

Contact_Address

Address_Type: **Mailing and Physical Address**

Address: **5775 Hwy 10 West**

City: **Missoula**

State_or_Province: **MT**

Postal_Code: **59802**

Country: **USA**

Contact_Voice_Telephone: **(406) 329-4800**

Contact_Facsimile_Telephone: (406) 329-4877
Contact_Electronic_Mail_Address: cjohnston@fs.fed.us
Hours_of_Service: Monday-Friday, 8-5, Mountain Time
Native_Data_Set_Environment:
Arc/Info version 7.2.1
Pathname = /fsfiles/unit/fe/feproj6/usajm/firereg2000/pnvgroups_v2k

Data_Quality_Information:

Attribute_Accuracy

Attribute_Accuracy_Report:

unknown

Logical_Consistency_Report:

Completeness_Report:

Data set is complete

Positional_Accuracy

Horizontal_Positional_Accuracy

Horizontal_Positional_Accuracy_Report:

**Approximate horizontal accuracy is 0 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

Southern Research Station

Publication_Date: 19930901

Title: **Forest Resources of the United States**

Geospatial_Data_Presentation_Form: **digital map**

Publication_Information

Publication_Place: **Atlanta, GA**

Publisher: **Forestry Sciences Laboratory**

Other_Citation_Details:

Powell, Douglas S. 1992. Forest Resources of the US

USDA Forest Service Gen. Tech. Report, RM-234

Source_Scale_Denominator: 0

Type_of_Source_Media:

Source_Time_Period_of_Content

Time_Period_Information

Range_of_Dates/Times

Beginning_Date: 19910101

Ending_Date: 19911231

Source_Currentness_Reference: **Revised June, 1994**

Source_Citation_Abbreviation: **RPA**

Source_Contribution:

**Provided the forest cover types and forest densities used in
the mapping and reclassifying process.**

Source_Information

Source_Citation

Citation_Information

Originator:

**US Geological Survey
EROS Data Center**

Publication_Date: 19901001

Title: **Land Cover Characteristics**

Geospatial_Data_Presentation_Form: **digital map**

Publication_Information

Publication_Place: **Sioux Falls, SD**

Publisher: **USGS, EROS Data Center**

Other_Citation_Details:

**1990 conterminous US land cover characteristics data set
CD_ROM, EROS Data Center, USGS, CD-ROM 9307, 1 disc**

Source_Scale_Denominator: 11000000

Type_of_Source_Media:

Source_Time_Period_of_Content

Time_Period_Information

Range_of_Dates/Times

Beginning_Date: 19900301

Ending_Date: 19901031

Source_Currentness_Reference:

Source_Citation_Abbreviation: **LCC**

Source_Contribution:

Provided the non-forest cover types used in the mapping and reclassifying process.

Source_Information

Source_Citation

Citation_Information

Originator: **American Geographical Society**

Publication_Date: 19750000

Title: **Potential Natural Vegetation of the conterminous US**

Edition: **Second**

Geospatial_Data_Presentation_Form: **hardcopy map**

Publication_Information

Publication_Place: **New York, NY**

Publisher: **American Geographical Society**

Other_Citation_Details:

**Kuchler, A.W. 1975. Potential Natural Vegetation of the cont
US. (2nd edition). American Geographical Society.**

Source_Scale_Denominator: 3168000

Type_of_Source_Media:

Source_Time_Period_of_Content

Time_Period_Information

Single_Date/Time

Calendar_Date: **Unknown**

Source_Currentness_Reference:

Source_Citation_Abbreviation: **PNV**

Source_Information

Source_Citation

Citation_Information

Originator:

**US Geological Survey
EROS Data Center**

Publication_Date: 19940000

Title: **500 meter cell size Digital Elevation Models**

Geospatial_Data_Presentation_Form: **digital map**

Publication_Information

Publication_Place: **Sioux Falls, SD**

Publisher: **USGS, EROS Data Center**
Source_Scale_Denominator: **2000000**
Type_of_Source_Media:
Source_Time_Period_of_Content
Time_Period_Information
Single_Date/Time
Calendar_Date: **Unknown**
Source_Currentness_Reference:
Source_Citation_Abbreviation: **DEM5**
Source_Contribution:
Created from GeoTopo 30 arc seconds.

Source_Information
Source_Citation
Citation_Information
Originator: **USDA Forest Service**
Publication_Date: **19950000**
Title: **Ecoregions of the U.S.**
Edition: **Second**
Geospatial_Data_Presentation_Form: **digital map**
Publication_Information
Publication_Place: **Washington D.C.**
Publisher: **USDA Forest Service**
Other_Citation_Details:
**Bailey, R.G. 1995 Description of the ecoregions of the US,
2d ed. Misc Publ No 1391(rev), Washington, DC: USDA FS, 108p**

Source_Scale_Denominator: **7500000**
Type_of_Source_Media:
Source_Time_Period_of_Content
Time_Period_Information
Single_Date/Time
Calendar_Date: **Unknown**
Source_Currentness_Reference:
Source_Citation_Abbreviation: **ECO**

Source_Information
Source_Citation
Citation_Information
Originator: **US Geological Survey**
Publication_Date: **Unpublished material**
Title: **Hydrologic Unit Maps**
Geospatial_Data_Presentation_Form: **digital map**
Other_Citation_Details:
**Seaber, P.R, P Kapinos, and G.L. Knapp. 1987. Hydrologic
Unit maps. US Geologic Survey. Water-supply paper 2294. 63p**

Source_Scale_Denominator: **2000000**
Type_of_Source_Media:
Source_Time_Period_of_Content
Time_Period_Information
Single_Date/Time
Calendar_Date: **Unknown**
Source_Currentness_Reference:
Source_Citation_Abbreviation: **HUC**

Process_Step
Process_Description:
**Created 50 meter elevation classes and aspect classes from
500 meter DEM**
Source_Used_Citation_Abbreviation: **DEM5**
Process_Date: **0**

Source_Produced_Citation_Abbreviation:
Process_Step
Process_Description:
 **Combined grids of Bailey's Sections, 4th Code Hydrologic
 Unit Codes, aspect and elevation classes.**
Source_Used_Citation_Abbreviation: LCC
Source_Used_Citation_Abbreviation: PNV
Source_Used_Citation_Abbreviation: RPA
Source_Used_Citation_Abbreviation: ECO
Process_Date: 0
Source_Produced_Citation_Abbreviation:
Process_Step
Process_Description:
 **In ARCINFO GRID, ran zonalmajority on this combined grid as
 the zone grid and Kuchler's PNV as the value grid, to
 create a terrain-matched Kuchler PNV layer.**
Source_Used_Citation_Abbreviation: HUC
Process_Date: 0
Source_Produced_Citation_Abbreviation:
Process_Step
Process_Description:
 **Altered Potential Natural Vegetation type assignments
 based on revision requests made by regional experts
 after their review of the November 1999 maps.**
Process_Date: 0
Source_Produced_Citation_Abbreviation:

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster
Raster_Object_Information
 Raster_Object_Type: Grid Cell
 Row_Count: 2871
 Column_Count: 4572

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition
Planar
 Map_Projection
 Map_Projection_Name: Lambert Azimuthal Equal Area
 Lambert_Azimuthal_Equal_Area
 Radius_of_sphere_of_reference: 6370997.00000
 Longitude_of_center_of_projection: -100 0 0.00
 Latitude_of_center_of_projection: 45 0 0.000
 False_Easting: 0.00000
 False_Northing: 0.00000
 Planar_Coordinate_Information
 Planar_Coordinate_Encoding_Method: row and column
 Coordinate_Representation
 Abcissa_Resolution: 1000

Ordinate_Resolution: 1000
Planar_Distance_Units: meters
Geodetic_Model
Horizontal_Datum_Name: None
Spheroid: Defined
Semi-major_Axis: 6370997

Entity_and_Attribute_Information:

Detailed_Description

Entity_Type

Entity_Type_Label: PNVGROUPS_V2K.VAT
Entity_Type_Definition: Grid Cell Value Attribute Table
Entity_Type_Definition_Source: None

Attribute

Attribute_Label: VALUE
Attribute_Definition:
Value
Attribute_Definition_Source: None
Attribute_Domain_Values

Range_Domain

Range_Domain_Minimum: 1
Range_Domain_Maximum: 63

Beginning_Date_of_Attribute_Values: 19991222
Ending_Date_of_Attribute_Values: 20010331

Attribute

Attribute_Label: COUNT
Attribute_Definition:
Cell Count
Attribute_Definition_Source: None
Attribute_Domain_Values

Range_Domain

Range_Domain_Minimum: 311
Range_Domain_Maximum: 1158283

Beginning_Date_of_Attribute_Values: 19991222
Ending_Date_of_Attribute_Values: 20010331

Attribute

Attribute_Label: PNVGROUPS_V2K
Attribute_Definition:
Potential Natural Veg Group Code
Attribute_Definition_Source: None
Attribute_Domain_Values

Range_Domain

Range_Domain_Minimum: 1
Range_Domain_Maximum: 63

Beginning_Date_of_Attribute_Values: 19991222
Ending_Date_of_Attribute_Values: 20010331

Attribute

Attribute_Label: PNV_GROUPS
Attribute_Definition:

PNV Description

Attribute_Definition_Source: **None**
Attribute_Domain_Values
Unrepresentable_Domain: **Character field**
Beginning_Date_of_Attribute_Values: **19991222**
Ending_Date_of_Attribute_Values: **20010331**

Attribute

Attribute_Label: **COLORNAME_SHD**
Attribute_Definition:
Colorname Shadeset Code
Color code from colornames.shd shadeset used in map display.
Attribute_Definition_Source: **None**
Attribute_Domain_Values
Range_Domain
Range_Domain_Minimum: **4**
Range_Domain_Maximum: **129**
Beginning_Date_of_Attribute_Values: **19991222**
Ending_Date_of_Attribute_Values: **20010331**

Distribution Information:

Distributor

Contact Information

Contact_Organization_Primary
Contact_Organization: **Fire Sciences Laboratory, Rocky Mountain Research**

Station

Contact_Person: **Fire Effects Project**
Contact_Position:
Contact_Address
Address_Type: **Mailing and Physical Address**
Address: **5775 Hwy 10 West**
City: **Missoula**
State_or_Province: **MT**
Postal_Code: **59802**
Country: **USA**
Contact_Voice_Telephone: **(406) 329-4800**
Contact_Facsimile_Telephone: **(406) 329-4877**
Contact_Electronic_Mail_Address: **cjohnston@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

Digital Form

Digital_Transfer_Information
Format_Name: **Arc/Info Export**
Format_Version_Number: **7.1.2**

Metadata Reference Information:

Metadata_Date: **19991222**
Metadata_Review_Date: **20010331**
Metadata_Contact

Contact_Information

Contact_Organization_Primary

Contact_Organization: **Fire Sciences Laboratory, Rocky Mountain Research**

Station

Contact_Person: **Fire Effects Project**

Contact_Address

Address_Type: Mailing and Physical Address

Address: **5775 Hwy 10 West**

City: **Missoula**

State_or_Province: **MT**

Postal_Code: **59802**

Country: **USA**

Contact_Voice_Telephone: **(406) 329-4800**

Contact_Facsimile_Telephone: **(406) 329-4877**

Contact_Electronic_Mail_Address: **cjohnston@fs.fed.us**

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

Metadata_Standard_Name: **FGDC Content Standards for Digital Geospatial Metadata**

Metadata_Standard_Version: **19940608**