Wilderness Characteristics Spatial Data Standard

July 31, 2008

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Name	Wilderness Characteristics
Code	WILD_CHAR
Notes	RESPONSIBILITIES State Data Steward - The State Data Steward is responsible for approving data standards and business rules for data themes they are responsible for, for developing quality assurance/quality control procedures, and ensuring that data is managed as a corporate resource. The State Data Steward coordinates with field office data stewards, the State Data Administrator, GIS Coordinators, and with national data stewards. The State Data Steward reviews geospatial metadata for completeness and quality. Lead GIS Specialist - The Lead GIS Specialist works with data stewards to interpret business needs into GIS applications and derive data requirements and participates in the development of data standards. The GIS specialist coordinates with System Administrators and GIS Coordinators to manage the GIS databases. State Data Administrator - The State Data Administrator provides information management leadership, data modeling expertise, and custodianship of the state data models. The State Data Administrator ensures that defined processes for development of data standards and metadata are followed and that they are consistent and complete. The data administrator is responsible for making data standards and metadata accessible to all users. The data administrator coordinates with data stewards and GIS coordinators to respond to national spatial data requests. State Records Administrator - The State Records Administrator is responsible for identifying any Privacy issues related to spatial data. The records administrator also provides direction and guidance on data release and fees. The records administrator assures that data has been classified under the proper records retention schedule and determine appropriate Freedom of Information Act (FOIA) category. FOIA CATEGORY Public RECORDS RETENTION SCHEDULE 20/52c (Electronic Records/Geographic Information System) PERMANENT. Cutoff EOFY in which the layer/data is created or significantly altered by the BLM. Transfer copy of data to NARA (National Archives and Records Administration) at the EOFY. SECURITY/ACCESS/SENSITIVITY The Wilderness Characteristics set of themes do not require any additional security other than that provided by the General Support System (the hardware/software infrastructure of the OR/WA BLM). This data is not sensitive and there are no restrictions on access to this data either from within the BLM or external to the BLM. There are no Privacy issues or concerns associated with these data themes.
Version	Final

DATA SET DESCRIPTION

This Wilderness Characteristics data standard contains requirements for Wilderness Characteristics Polygons and Wilderness Characteristics Lines and requirements for attributes on associated roads. Areas of BLM land are evaluated for wilderness characteristics based on size, naturalness and outstanding opportunities for solitude and primitive and unconfined recreation criteria. The theme represents an inventory of wilderness characteristics found, or not found, on BLM lands.

The settlement in *Utah v. Norton* which provides Bureau-wide: (1) that the BLM's authority to conduct wilderness reviews, including the establishment of new Wilderness Study Areas (WSAs), expired no later than October 21, 1993, with submission of the wilderness suitability recommendations to Congress pursuant to Section 603 of the Federal Land Policy and Management Act (FLPMA); and (2) that the BLM is without authority to establish new WSAs.

The settlement did not, however, diminish the agency's authority under Section 201 of FLPMA to inventory public land resources and other values, including wilderness characteristics, and to consider such information during land use or project level planning. The inventory evaluates wilderness characteristics as discussed in Section 2(c) of the Wilderness Act of 1964, and incorporated in FLPMA, which states:

> "A wilderness, in contrast with those areas where man and his own works dominate the landscape, is hereby recognized as an area where the earth and its community of life are untrammeled by man, where man himself is a visitor who does not remain. An area of wilderness is further defined to mean in this Act an area of undeveloped Federal land retaining its primeval character and influence, without permanent improvements or human habitation, which is protected and managed so as to preserve its natural conditions and which (1) generally appears to have been affected primarily by the forces of nature, with the imprint of man's work substantially unnoticeable; (2) has outstanding opportunities for solitude or a primitive and unconfined type of recreation; (3) has at least five thousand acres of land or is of sufficient size as to make practicable its preservation and use in an unimpaired condition; and (4) may also contain ecological, geological, or other features of scientific, educational, scenic, or historical value."

Given that the last comprehensive inventory of wilderness characteristics on BLM lands in Oregon and Washington occurred in the late 1970's and early 1980's, many offices are in the process of updating their resource inventory information regarding wilderness characteristics. The Wilderness Specialist will work with an appropriate interdisciplinary team (ID team) to conduct the updating process and coordination with neighboring districts and other wilderness-managing agencies will occur as needed. The updating process will depend on reviewing information from past wilderness characteristic inventories, an evaluation of current resource conditions and materials submitted by citizens.

USAGE

WILD_CHAR will serve as the depository of the latest inventory findings on the presence or absence of wilderness characteristics on all BLM lands in Oregon and Washington that are outside of wilderness or WSA. This inventory data will be used at all levels of planning and NEPA analysis to help identify if wilderness characteristics are present for a proposed planning area and what those characteristics are. This inventory information in combination with other resource data will also be used to help determine the potential effects of any proposed actions to wilderness characteristics where present.

SPONSOR/AFFECTED PARTIES

The sponsor for this data set is the Deputy State Director, Resource Planning, Use and Protection. Wilderness Characteristics is defined by and specific to BLM. Matching interagency data across the landscape is not necessary. Our non-governmental partners and the general public are affected to the extent that wilderness characteristics are part of the RMPs that determine management on BLM lands. Implementation of an RMP may or may not preclude some activities in certain areas because of potential impact to wilderness characteristics, however a decision to protect wilderness characteristics is discretionary and is a result of the planning process.

DATA CATEGORY/ARCHITECTURE LINK

These data themes are a portion of the Oregon Data Framework (ODF). The ODF utilizes the concept of inheritance to define specific instances of data. The ODF divides all OR/WA resource-related data into three general categories: Activities, Resources, and Boundaries. These general categories are broken into sub-categories that inherit spatial characteristics and some attributes from their parent category. These sub-categories may be further broken into more specific groups until you get to a basic data set that cannot be further sub-divided. Those basic data sets inherit all characteristics of all groups/categories above them. The basic data sets are where physical data gets populated (those groups/categories above them do not contain actual data but set parameters that all data of that type must follow).

See the Oregon Data Framework Overview section for a simplified schematic of the entire Oregon Data Framework showing the overall organization and entity inheritance. The Wilderness Characteristics entities are highlighted. It should be noted that, in general, datasets falling in the Resources category do not require a polygon/line pair (where the line provides boundary segment definitions- critical for datasets in the Boundaries category). Wilderness Characteristics is an exception and requires line definitions for maintenance purposes. A PDF version (which is more readable) can be found at: http://web.or.blm.gov/datamanagement/standards/ModelMini_WildChar.pdf. For additional information and a link to the entire Oregon Data Framework, see: http://web.or.blm.gov/datamanagement/architecture/datadesign.asp.

WILDERNESS CHARACTERISTICS DATA ORGANIZATION / STRUCTURE

For Wilderness Characteristics Polygon, the categories/groups that the data set is part of are:

Oregon Data Framework
- Resources
  - Potential Resources
    - WILD_CHAR_POLY

For Wilderness Characteristics Line, the categories/groups that the data set is part of are:

Oregon Data Framework
- Resources
  - Potential Resources Line
    - WILD_CHAR_ARC

For Wilderness Characteristics Road Line, the categories/groups that the data set is part of are:

Oregon Data Framework
- Activities
  - Existing Facilities
    - Road Line
      - WILD_CHAR_ROAD_ARC

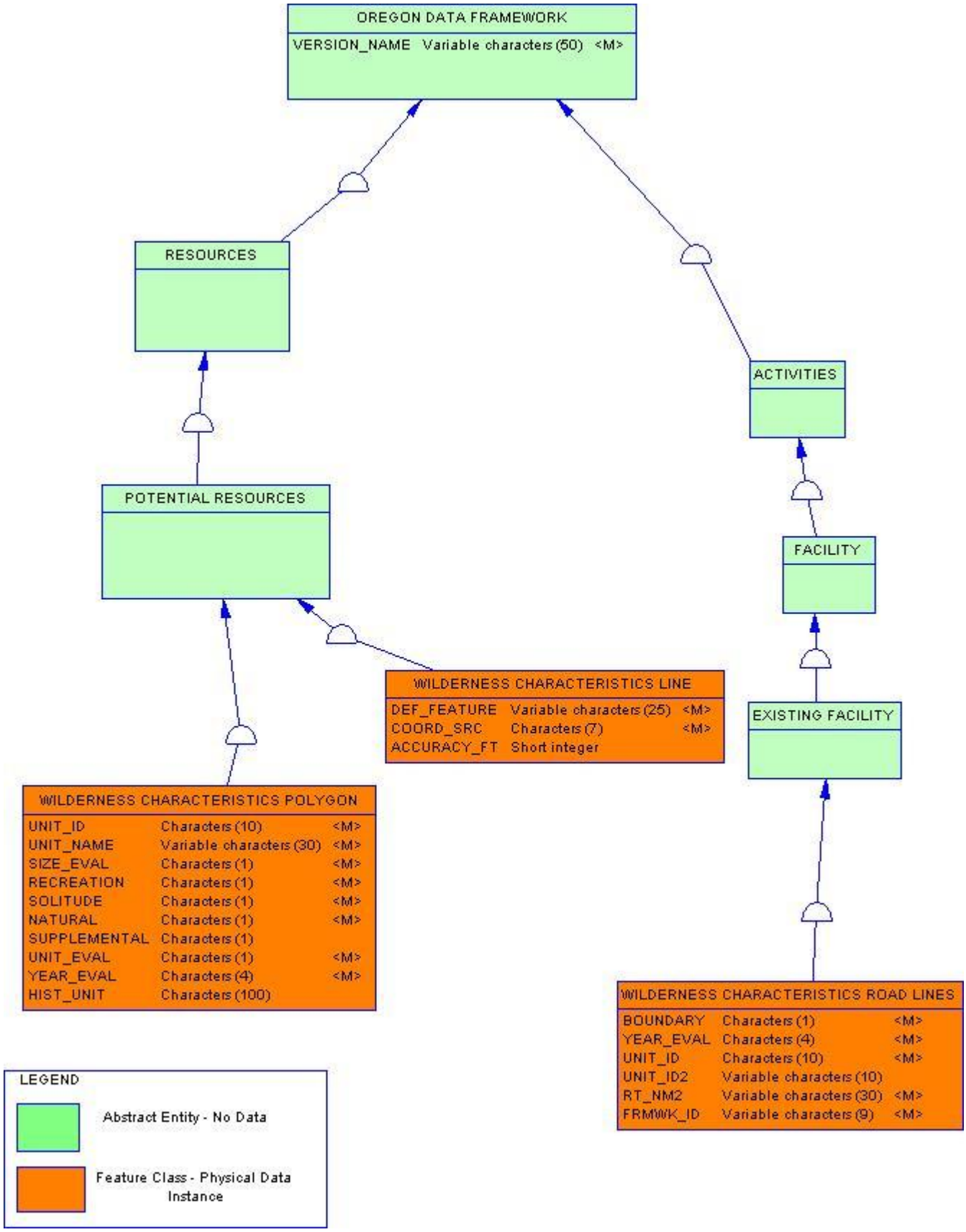
RELATIONSHIP TO THE DEPARTMENT OF THE INTERIOR ENTERPRISE ARCHITECTURE – DATA RESOURCE MODEL

The Department of the Interior's Enterprise Architecture contains a component called the Data Resource Model. This model addresses the concepts of Data Sharing, Data Description, and Data Context. This data standard provides information needed to address each of those areas. Data sharing is addressed through complete documentation and simple data structures which make sharing easier. Data description is addressed through the section on Attribute Descriptions. Data context is addressed through the data organization and structure portions of this document. In addition, the DOI Data Resource Model categorizes data by use of standardized Data Subject Areas and Information Classes. For this data set, these are as follows:

Data Subject Area: Recreation

Information Class: Recreation Inventory

A complete list of all DOI Data Subject Areas and Information Classes can be found at:
http://dear.nbc.gov/reports/documents/CORE/DOI_DRM_2.html
[Non-Dept. of the Interior personnel may request a copy from the OR/WA State Data Administrator, Bureau of Land Management, P.O. Box 2965, Portland, OR 97208]


OREGON DATA FRAMEWORK
VERSION_NAME Variable characters (50) <M>
RESOURCES
ACTIVITIES
POTENTIAL RESOURCES
FACILITY
WILDERNESS CHARACTERISTICS LINE
DEF_FEATURE Variable characters (25) <M>
COORD_SRC Characters (7) <M>
ACCURACY_FT Short integer
EXISTING FACILITY
WILDERNESS CHARACTERISTICS POLYGON
UNIT_ID Characters (10) <M>
UNIT_NAME Variable characters (30) <M>
SIZE_EVAL Characters (1) <M>
RECREATION Characters (1) <M>
SOLITUDE Characters (1) <M>
NATURAL Characters (1) <M>
SUPPLEMENTAL Characters (1)
UNIT_EVAL Characters (1) <M>
YEAR_EVAL Characters (4) <M>
HIST_UNIT Characters (100)
WILDERNESS CHARACTERISTICS ROAD LINES
BOUNDARY Characters (1) <M>
YEAR_EVAL Characters (4) <M>
UNIT_ID Characters (10) <M>
UNIT_ID2 Variable characters (10)
RT_NM2 Variable characters (30) <M>
FRMWK_ID Variable characters (9) <M>
LEGEND
Abstract Entity - No Data
Feature Class - Physical Data Instance

DATA MANAGEMENT PROTOCOLS

Accuracy Requirements: The Wilderness Characteristics theme does not require a high level of accuracy because it does not directly determine management differences. Accuracy of the polygon lines is captured in the line attribute ACCURACY_FT.

Collection and Input Protocols: The protocol for creating WILD_CHAR unit polygons is developed by the District Data Steward along with the District GIS Coordinator according to BLM State and National guidance. Input on attributes and determinations may come from a variety of resource specialists as part of an Interdisciplinary Team process. Methods may vary among Districts, but an acceptable process includes:

1. Spatial extent to be analyzed is determined. Will WILD_CHAR be developed for the entire District (or even cross-District) or some smaller planning or project area.

2. Classification of all transportation routes within the spatial extent. Determination of boundary roads. For each linear transportation disturbance a decision is made whether it is considered a boundary road (i.e. meets the wilderness road definition and forms the edge of a unit) or an interior motorized trail. For boundary road segments it is then decided whether to place the unit boundary at the road centerline or offset from the road. If there is an existing ROW then that forms the boundary, otherwise a reasonable average disturbance width, such as 10 feet each side of centerline, is used. These decisions are documented by the DEF_FEATURE attribute of WILD_CHAR_ARC. In addition, the road segments are copied to the WILD_CHAR_ROAD_ARC feature class and the BOUNDARY attribute filled. Lastly, the source(s) used for making road determinations should be documented in the theme level metadata. These sources might include: aerial photography, both current and historic, ground-based photography, field checks, staff expertise, public input, District records and existing data in GTRN and FAMS.

3. Capture of any other features which will determine unit boundaries, for example, powerlines, mining or other surface disturbance areas, surface jurisdiction, WSA and Wilderness polygon lines. The type of line is again documented with the WILD_CHAR_ARC attributes DEF_FEATURE and COORD_SRC.

4. WILD_CHAR_POLY interim unit polygons then created from the above lines and wilderness characteristics size, naturalness, outstanding opportunities for solitude and primitive and unconfined recreation and supplemental values indicator attributes filled in.

5. Non-BLM, WSA and Wilderness polygons are removed.

6. Unit polygons compared to previous wilderness characteristic inventory maps and the historic unit identifier attribute filled in.

Maintenance Protocols: The Wilderness Characteristics resource inventory should be updated when conditions on the ground change significantly. The primary data inputs are roads and ownership, both of which change over time. The changed road(s) or ownership parcel(s) lines can be identified and replaced using the DEF_FEATURE attribute. In addition to changes in the defining feature itself, an improved coordinate source might become available and the appropriate lines identified and replaced using COORD_SRC. If there is a great deal of change the entire theme can be recreated using the original capture protocol. Wilderness Characterisitics units and the associated Roads are not changed unless an update is deliberately undertaken, i.e. they are "frozen" at the year the determination was made.

Update Transactions: The unit of processing for updating the WILD_CHAR theme is variable. A planning action or an independent inventory effort might trigger an update. Editors will "check-out" their district's WILD_CHAR

feature classes. They will then add, delete or modify the features prior to "check-in". The district GIS Coordinator will approve update processes and provide assistance and oversight. Any new WILD_CHAR units or changes along edges that match an adjoining district (including those in adjacent states) must be coordinated with that district.

Update Frequency: How frequently WILD_CHAR is updated is determined by the State and District Data Stewards with input from the District GIS Coordinator (who is aware of changes to roads and ownership which impact the currency of WILD_CHAR).

Statewide Monitoring: The State Data Steward in conjunction with the Lead GIS Specialist and District Data Stewards are responsible for reviewing the WILD_CHAR theme across the state at least once per year. All that is required is a relatively quick look at the final WILD_CHAR determinations to check for:

1. Data gaps and holes due to BLM land acquisitions
2. Incorrect classifications due to changes in protected or disturbed areas or program policy.

WILDERNESS CHARACTERISTICS SCHEMA (simplified)

General Information: Attributes are listed in the order they appear in the geodatabase feature class. The order is an indication of the importance of the attribute for theme definition and use. There are no aliases unless specifically noted. The domains can be found at: http://web.or.blm.gov/datamanagement/metadata/domains.asp

Wilderness Characteristics Dataset

WILD_CHAR_POLY (Wilderness Characteristics Polygons)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
UNIT_ID	String	10		Yes	
UNIT_NAME	String	30		Yes	
SIZE_EVAL	String	1		Yes	dom_EVAL
RECREATION	String	1		Yes	dom_EVAL
SOLITUDE	String	1		Yes	dom_EVAL
NATURAL	String	1		Yes	dom_EVAL
SUPPLEMENTAL	String	1			dom_EVAL
UNIT_EVAL	String	3		Yes	dom_EVAL
YEAR_EVAL	String	4		Yes	
HIST_UNIT	String	100			
VERSION_NAME	String	50	InitialLoad	Yes	

WILD_CHAR_ARC (Wilderness Characteristics Lines)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
DEF_FEATURE	String	25	UNKNOWN	Yes	dom_DEF_FEATURE
COORD_SRC	String	7	UNK	Yes	dom_COORD_SRC
ACCURACY_FT	Short Integer				
VERSION_NAME	String	50	InitialLoad	Yes	

WILD_CHAR_ROAD_ARC (Wilderness Characteristics Road Lines)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BOUNDARY	String	1		Yes	dom_YN
YEAR_EVAL	String	4		Yes	
UNIT_ID	String	10		Yes	
UNIT_ID2	String	10			
RT_NM2	String	30		Yes	
FRMWK_ID	String	9		Yes	
VERSION_NAME	String	50	InitialLoad	Yes	

PROJECTION AND SPATIAL EXTENT

All feature classes and feature datasets are in Geographic, NAD83. Units are decimal degrees. Spatial extent (area of coverage) includes all lands managed by the Bureau of Land Management in the states of Oregon and Washington. See the metadata for this data set for more precise description of the extent.

SPATIAL ENTITY CHARACTERISTCS

WILDERNESS CHARACTERISTICS POLYGON (WILD_CHAR_POLY)
Description: Instance of Potential Resources group. Wilderness Characteristics such as solitude and naturalness are subject to interpretation and so may be thought of as "potential".
Geometry: Polygons may cover all BLM lands "wall-to-wall", but this is not required. Polygons may have gaps, but no overlaps.
Topology: Yes. WILD_CHAR_POLY lines are coincident with WILD_CHAR_ARC lines and together make the feature dataset, Wilderness_Characteristics.
Integration Requirements: None

WILDERNESS CHARACTERISTICS LINE (WILD_CHAR_ARC)
Description: Instance of Resource Potential Line group. Lines making up the area perimeters of Wild_Char and segmented as needed to indicate a change in either what defines the section of boundary and/or the source of the actual GIS coordinates.
Geometry: Simple, non-overlapping lines that are split between endpoints as needed.
Topology: Yes. WILD_CHAR_POLY lines are coincident with WILD_CHAR_ARC lines and together make the feature dataset, Wilderness_Characteristics..
Integration Requirements: Line segments must be coincident with the source data indicated by attributes DEF_FEATURE and COORD_SRC either through duplication or snapping.

WILDERNESS CHARACTERISTICS ROAD LINE (WILD_CHAR_ROAD_ARC)
Description: Instance of Resources – Existing Facilities. Centerlines of road segments that are associated with WILD_CHAR units are duplicated to this feature class.
Geometry: Simple, non-overlapping lines that are split between endpoints as needed.
Topology: No.
Integration Requirements: WILD_CHAR_ROAD_ARC segments should be copied from the Ground Transportation dataset (GTRN) or (if a new route) copied to GTRN and otherwise update GTRN lines and attributes so that there is coincidence at the point in time that the Wilderness Characteristics determination is made.

ATTRIBUTE CHARACTERISTICS AND DEFINITIONS

ACCURACY_FT

Geodatabase Name	ACCURACY_FT
BLM Structured Name	Accuracy_Feet_Measure
Notes	Used in Feature Classes: WILD_CHAR_ARC
Domain	<None>
Data Type	Short integer
Length	
Precision	

[Optional]

Description

How close, in feet, the spatial GIS depiction is to the actual location on the ground. There are several factors to consider in GIS error: scale and accuracy of map-based sources, accuracy of GPS equipment, and the skill level of the data manipulators. A value of '0' indicates no entry was made. This is the correct value when the COORD_SRC is another GIS theme (DLG, GCD, DEM) because the accuracy is determined by that theme. If COORD_SRC is MAP or GPS, however, a value of '0' indicates a missing value that should be filled in either with a non-zero number or '-1'. A value of '-1' indicates that the accuracy is unknown and no reliable estimate can be made.

BOUNDARY

Geodatabase Name	BOUNDARY
BLM Structured Name	Wilderness_Characteristics_Road_Boundary_IND
Notes	Used in Feature Class: WILD_CHAR_ROAD_ARC
Domain	dom_YN
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Categorizes road segments associated with wilderness characteristics unit boundary decisions. Some of these road segments will be duplicated on the unit boundary line (WILD_CHAR_ARC) and some will not.

Y - Road segment creates a unit boundary (boundary itself may be offset from the road segment)
N - Road or trail segment that does not create a unit boundary (interior to the unit, these routes do not meet the wilderness road definition)

COORD_SRC

Geodatabase Name	COORD_SRC
BLM Structured Name	Coordinate_Source_Code
Notes	Used in Feature Classes: WILD_CHAR_ARC
Domain	dom_COORD_SRC
Data Type	Characters (7)
Length	7
Precision	

[Required]

Description

The actual source of the GIS coordinates for the line segments.

Examples: DLG, GCD, MAP, DOQ, SOURCEL, UNK

DEF_FEATURE

Geodatabase Name	DEF_FEATURE
BLM Structured Name	Defining_Feature_Code
Notes	Used in Feature Classes: WILD_CHAR_ARC
Domain	dom_DEF_FEATURE
Data Type	Variable characters (25)
Length	25
Precision	

[Required]

Description

The physical or legal feature that defines the boundary according to the legal boundary description. In general the lowest level defining feature, but it depends on how the boundary segment is actually defined. For example, SUBDIVISION rather than NLCS BOUNDARY unless the boundary segment is specifically defined as following a NLCS BOUNDARY (such as WSA or Wilderness).

Examples: SUBDIVISION, ROAD, RIGHT-OF-WAY, ROAD_OFFSET, POWERLINE, NLCS BOUNDARY, MINERAL DISTURBANCE, POINT-TO-POINT, UNKNOWN

FRMWK_ID

Geodatabase Name	FRMWK_ID
BLM Structured Name	GTRN_Framework_ID
Notes	Used in Feature Class: WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Variable characters (9)
Length	9
Precision	

[Required]

Description

Framework ID from GTRN (OR/WA Ground Transportation) source line.

Example: 428703

HIST_UNIT

Geodatabase Name	HIST_UNIT
BLM Structured Name	Unit_Historic_Identifier
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	<None>
Data Type	Characters (100)
Length	100
Precision	

[Optional]

Description

Unit identifier(s) from wilderness inventory decision documents which might include any of the following:

Unpublished District initial inventories , eliminating some units. Accelerated Wilderness Inventories.

April, 1979 (yellow) - Proposed Initial Inventory- Roadless Areas and Islands Which do Not Have Wilderness Characteristics.

August, 1979 (green) - Final Decision - Initial Wilderness Inventory. Public Lands and Islands which do not have Wilderness Characteristics and Units to be Intensively Inventoried.

October, 1979 (grey)

March, 1980 (orange) - Intensive Wilderness Inventory - Final Decision for 30 Selected Inventory Units/Proposed Decisions for Other Intensive Inventory Units.

November, 1980 (brown) - Intensive Wilderness Inventory - Final Decision

November, 1981 (tan) - Stateline Intensive Wilderness Inventory Final Decision, Oregon, Idaho, Nevada and Utah.

NATURAL

Geodatabase Name	NATURAL
BLM Structured Name	Natural_Condition_Code
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_EVAL
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Determination of whether the area within the boundary of a unit with sufficient size appears to have been affected primarily by the forces of nature with the imprint of human activity substantially unnoticeable, unless the imprint is confined to the area(s) along the edge. A unit is not evaluated (not applicable) if it fails to meet the size criteria (see SIZE_EVAL).

Y - The unit meets criteria.
N - The unit does not meet criteria.
X - The unit was not evaluated because it was not applicable.
U - Criteria was not evaluated.

RECREATION

Geodatabase Name	RECREATION
BLM Structured Name	Recreation_Primitive_Code
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_EVAL
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Determination of outstanding opportunity for primitive and unconfined recreation; includes activities that provide dispersed, undeveloped recreation which do not require facilities or motorized equipment. A unit is not evaluated (not applicable) if it fails to meet the size (see SIZE_EVAL) or naturalness (see NATURAL) criteria.

Y - The unit meets criteria.
N - The unit does not meet criteria.
X - The unit was not evaluated because it was not applicable.
U - Criteria was not evaluated.

RT_NM2

Geodatabase Name	RT_NM2
BLM Structured Name	Route_Name
Notes	Used in Feature Class: WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Variable characters (30)
Length	30
Precision	

[Required]

Description

Route name from GTRN or, if none, a new name based on the UNIT_ID. The suggested format is UNIT_ID followed by a dash followed by a sequential number for each route within the unit. This is a GTRN attribute and must be maintained in GTRN as well as WILD_CHAR_ROAD_ARC.

Examples: OR-035-002-1, FOSTER FLAT ROAD

SIZE_EVAL

Geodatabase Name	SIZE_EVAL
BLM Structured Name	Unit_Size_Evaluation Code
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_SIZE
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Determination of an inventory unit that is, generally, at least 5,000 contiguous acres of public land devoid of road segments associated with wilderness characteristics unit boundary decisions where the imprint of human activity is substantially unnoticeable. A unit is not evaluated for size (not applicable) if it is not in a natural condition. In certain cases, a unit may be less than 5,000 contiguous acres if one of the following factors is present:

(1) It is clearly of sufficient size as to make practicable its preservation and use in an unimpaired condition;
(2) It is contiguous with a BLM WSA and is not separated from the WSA by a road, right-of-way, or non-federal land;
(3) It is contiguous with land managed by another federal agency that has been formally determined to have wilderness or potential wilderness characteristics;
(4) It is contiguous with other federal lands with identified wilderness characteristics administered by an agency with authority to study and preserve wilderness lands, and the combined total is 5,000 acres or more;
(5) It is a roadless island (i.e. surrounded by water).

Y – The Unit meets criteria
N – The Unit does not meet criteria
X – The Unit was not evaluated because it was not applicable.
U – Criteria was not evaluated.

SOLITUDE

Geodatabase Name	SOLITUDE
BLM Structured Name	Solitude_Opportunity_Code
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_EVAL
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Determination of outstanding opportunity for solitude. Solitude is an individual's opportunity to avoid the sights, sounds, and evidence of other people in the unit. Factors that affect opportunities for solitude are the size and configuration of the unit; vegetative and topographic screening; ability of visitors to find a secluded spot, even when others are present in the area. A unit is not evaluated (not applicable) if it fails to meet the size (see SIZE_EVAL) or naturalness (see NATURAL) criteria.

Y - The unit meets criteria.
N - The unit does not meet criteria.
X - The unit was not evaluated because it was not applicable.
U - Criteria was not evaluated.

SUPPLEMENTAL

Geodatabase Name	SUPPLEMENTAL
BLM Structured Name	Supplemental_Values_Indicator
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_EVAL
Data Type	Characters (1)
Length	1
Precision	

[Optional]

Description

Indicates whether supplemental values were found in the unit.

Y - The unit meets criteria.
N - The unit does not meet criteria.
X - The unit was not evaluated because it was not applicable.
U - Criteria was not evaluated.

UNIT_EVAL

Geodatabase Name	UNIT_EVAL
BLM Structured Name	Unit_Final_Determination_Indicator
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	dom_EVAL
Data Type	Characters (1)
Length	1
Precision	

[Required]

Description

Indicates whether the unit has been determined to have wilderness characteristics based on the four component indicators for size, naturalness, solitude and recreation as follows:

If any of the three main criteria are not met: (1) SIZE, (2) NATURAL, or (3) SOLITUDE or RECREATION then the UNIT_EVAL = N

In other words,
if SIZE = N, UNIT_EVAL = N
if NATURAL = N, UNIT_EVAL=N
if both RECREATION and SOLITUDE = N, UNIT_EVAL = N

If wilderness characteristics determination is not applicable to an area then UNIT_EVAL is 'X'
If wilderness characteristics determination could be done, but has not been completed yet, then UNIT_EVAL is 'U'

Y - The unit meets criteria.
N - The unit does not meet criteria.
X - The unit was not evaluated because it was not applicable.
U - Criteria was not evaluated.

UNIT_ID

Geodatabase Name	UNIT_ID
BLM Structured Name	Wilderness_Potential_Unit_ID
Notes	Used in Feature Classes: WILD_CHAR_POLY WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Characters (10)
Length	10
Precision	

[Required]

Description

Short identifier for each Wilderness Characteristic unit. Unique for OR/WA. Used as unit polygon identifier and also on the associated roads feature class to indicate which unit the road falls within or forms a boundary for.

Format will follow the convention used in other wilderness inventories, State code followed by Resource Area code followed by a sequential number for that Resource Area (with leading zeroes), separated by dashes. There is a one-to-one relationship between UNIT_ID and UNIT_NAME.

Examples: OR-035-001, OR-035-013, OR-026-004

UNIT_ID2

Geodatabase Name	UNIT_ID2
BLM Structured Name	Wilderness_Potential_Unit_ID
Notes	Used in Feature Class: WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Variable characters (10)
Length	10
Precision	

[Optional]

Description

Wilderness Characteristic unit identifier. Used only as needed on the associated roads feature class (WILD_CHAR_ROAD_ARC) to identify a second unit polygon in the case where a road segment is a shared boundary between two units. Copied from the UNIT_ID of the 2nd unit.

UNIT_NAME

Geodatabase Name	UNIT_NAME
BLM Structured Name	Wilderness_Potential_Unit_Name
Notes	Used in Feature Class: WILD_CHAR_POLY
Domain	<None>
Data Type	Variable characters (20)
Length	30
Precision	

[Required]

Description

Descriptive name identifier for each Wilderness Characteristic unit. Mixed case words, preferably with a local geographic reference. Unique for OR/WA.

Examples:

VERSION_NAME

Geodatabase Name	VERSION_NAME
BLM Structured Name	Geodatabase_Version_Name
Notes	Inherited from Entity Oregon Data Model. Only appears in the transactional (edit) version. Public version (which is also the version used internally for mapping or analysis) does not contain this attribute. Used in Feature Classes: WILD_CHAR_POLY WILD_CHAR_ARC WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Variable characters (50)
Length	50
Precision	

[Required] (automatically generated)

Description

Name of the corporate geodatabase version previously used to edit the record.

InitialLoad = feature has not been edited in ArcSDE.

Format: username.XXX-mmddyy-hhmmss = version name of last edit (hours might be a single digit; leading zeros are trimmed for hours only). XXX=theme abbreviation.

Note: This attribute only appears in the edit (transactional) version of the data.

YEAR_EVAL

Geodatabase Name	YEAR_EVAL
BLM Structured Name	Wilderness_Potential_Evaluation_Year
Notes	Used in Feature Class: WILD_CHAR_POLY WILD_CHAR_ROAD_ARC
Domain	<None>
Data Type	Characters (4)
Length	4
Precision	

[Required]

Description

The calendar year that the unit's wilderness characteristics determination was made. The same year is filled in for the attribute on both WILD_CHAR_POLY and WILD_CHAR_ROAD_ARC.

Format is YYYY. Example: 2007

ASSOCIATED FILES OR DATABASES

There are no external files or databases currently associated with the Wilderness Characteristics data sets.

LAYER FILES (PUBLICATION VIEWS)

None

EDITING PROCEDURES

Cluster Tolerance

Topology Rules

Allowed Exceptions

Reference Themes and Tables

Editing Symbology

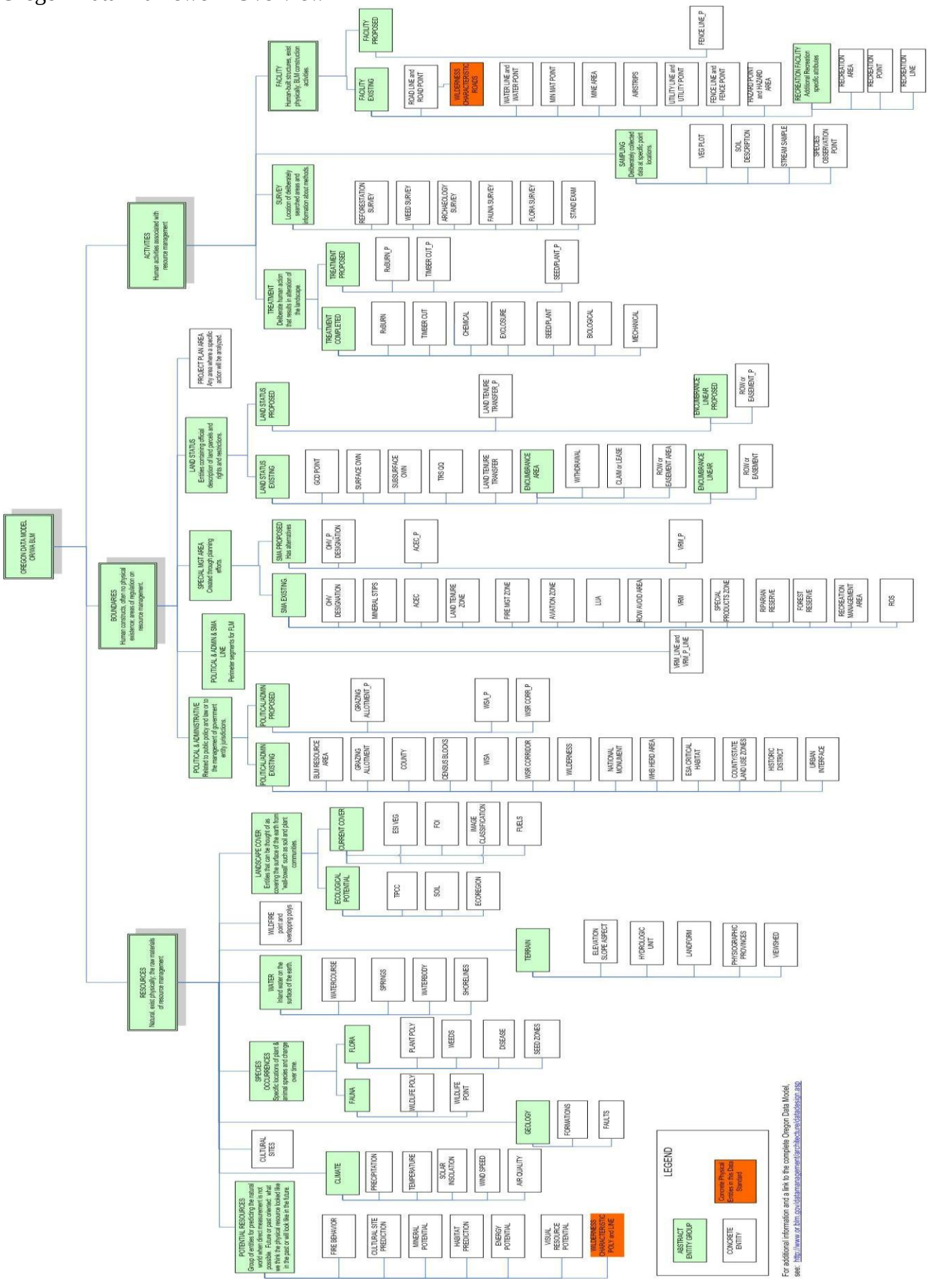
Editing Workflow

Snapping Guidelines
- Ranks
- Tolerances

"Do's and Don'ts"

QC Checklist

Oregon Data Framework Overview



ABBREVIATIONS AND ACRONYMS USED IN THIS STANDARD
(does not include abbreviations/acronyms used as codes for particular data attributes)

BLM	Bureau of Land Management
DEM	Digital Elevation Model
DLG	Digital Line Graphs
FOIA	Freedom of Information Act
GIS	Geographic Information System
GTRN	Ground Transportation GIS theme (OR/WA)
IDP	Interdisciplinary
NAD	North American Datum
NARA	National Archives and Records Administration
NLCS	National Landscape Conservation System
ODF	Oregon Data Framework
OR/WA	Oregon / Washington
RMP	Resource Management Plan
RMPA	Resource Management Plan Amendment
ROD	Record of Decision
SDE	Spatial Data Engine
WILD	Wilderness
WILD_CHAR	Wilderness Characteristics
WSA	Wilderness Study Area