



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Oregon State Office

P.O. Box 2965

Portland, Oregon 97208



In Reply Refer to:

1283/9160 (OR955/OR957) P

February 11, 2011

EMS TRANSMISSION 02/15/2011

Instruction Memorandum No. OR-2011-022

Expires: 9/30/2012

To: DMs, DSDs, Staff, and Branch Chiefs

From: State Director, Oregon/Washington

Subject: Resource Area Boundaries Spatial Data Standard

Program Area: Geographic Sciences.

Purpose: This instruction memorandum (IM) reissues the established spatial data standard (see attachment) for Resource Area Boundaries (RAB) previously under the OR IM-2008-050 dated March 5, 2008. Minor editing and formatting changes have been made, and the definition of the attribute BLM_ORG_CODE has been updated to comply with the national standard for organization codes.

Policy/Action: This data standard is to be followed for all RAB geospatial data. The RAB data should be reviewed by all field offices, and any corrections and/or additions that are needed should be made through established editing procedures.

Timeframe: This data standard is effective immediately.

Budget Impact: None.

Background: All offices have a need for accurate and up-to-date spatial data for RABs. In order for that to happen, the data needs to be standardized so it can be made available in the corporate edit environment. This data standard should be used in conjunction with the data standard for Oceans as oceans form the westernmost edge of Oregon/Washington (OR/WA). The RABs data can also be used (by dissolving interior lines) to show district boundaries or the boundary for OR/WA.

Manual/Handbook Sections Affected: None.

Coordination: The State Data Steward reviewed the data standard and found no need for changes.

Contact: If you have any questions, please contact Corey Plank, State Data Steward, at 503-808-6145; Pamela Keller, Geographical Information System Technical Support, at 541-573-4486; or Stanley Frazier, State Data Administrator, at 503-808-6009.

Districts with Unions are reminded to notify their unions of this IM and satisfy any bargaining obligations before implementation. Your servicing Human Resources Office or Labor Relations Specialist can provide you with assistance in this matter.

Signed by
Michael S. Mottice
Associate State Director

Authenticated by
Rita Wallberg
Records Section

Attachment

1 – Resource Area Boundaries Spatial Data Standard (24 pp)

Distribution
OC530 (Chatfield)
WO500

Resource Area Boundaries Spatial Data Standard

February 01, 2011



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GENERAL INFORMATION

Data Set Name Resource Area Boundaries
Data Set Abbreviation: RAB

RESPONSIBILITIES

State Data Steward - The State Data Steward (Corey Plank) is responsible for approving data standards and business rules for data themes he is 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, Geographical Information System (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 (Pam Keller) 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 (Stan Frazier) 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 (Sherrie Reid) 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

BLM GRS 20/52c. PERMANENT. Cutoff end of the fiscal year (EOFY) in which the layer/data is created or significantly altered by the Bureau of Land Management (BLM). Transfer copy of data to National Archives and Records Administration at the EOFY.

SECURITY/ACCESS/SENSITIVITY

The Resource Areas Boundary (RAB) set of themes do not require any additional security other than that provided by the General Support System (the hardware/software infrastructure of the Oregon/Washington (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.

DATA SET OVERVIEW

DESCRIPTION

The RAB data standard contains requirements for BLM administrative boundaries within the BLM "State" of Oregon which includes both OR/WA. The BLM Resource Areas are nested within BLM Districts* which are

nested within the BLM State. The BLM Oregon State Office encompasses the entire political jurisdiction of OR/WA. A single BLM District may cross the political boundary between OR/WA. The RAB dataset includes boundary lines depicting official BLM District boundaries as approved by the Washington Office (WO) and those depicting administrative BLM Resource Area boundaries as approved by the Oregon State Director where these are not coincident with the official District line.

Coastline and Ocean islands (needed for a variety of queries and analyses) will be stored in a separate feature class and not included in the RAB dataset. See the Publication Layers section for how they will be included with RAB for analytical and display purposes.

Boundary definitions reference features or positions depicted in other GIS layers. The data from those layers is copied to create the RAB layer. Vertical integration with other layers will be maintained to ensure the most accurate representation.

* There is one place where the Resource Area is not nested within the district. At the southernmost portion of the boundary between the Coos Bay and Medford District, a portion of Coos Bay is managed by Medford's Grants Pass Resource Area. In other words, the administrative Resource Area boundary crosses the official District boundary.

USAGE

This data set is used for depicting the RAB on maps. Resource Area boundaries are dissolved to form district boundaries by using the DISTRICT_NAME attribute. Polygons created from the data are used for various analytical purposes, including clipping data and calculating acreage. Modification of the boundary for cartographic display (smoothing of convoluted coast or river lines) is handled by a derived layer (see PUBLICATION VIEWS). Modification of the boundary for analysis must be carefully documented. Planning area boundaries will be found in a separate feature class, Plan Area Boundary, and described by that data standard. Large plan areas such as Resource Management Plan areas are usually based on RAB, but with adjustments. Because it represents the extent of BLM administration units, RAB is one of the most used and most important themes in the BLM GIS database.

SPONSOR/AFFECTED PARTIES

The sponsor for this data set is the Deputy State Director, Management Services. District/RAB are 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 RAB indicates management responsibility on BLM lands.

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 ODF showing the overall organization and entity inheritance. The RAB entities are highlighted. It should be noted that, in general, datasets falling in Resources category do not require a polygon/line pair (where the line provides boundary segment definitions which are critical for datasets in the Boundaries category. For additional information and a link to the entire ODF, contact:

OR/WA State Data Administrator

Stan Frazier
BLM
P.O. Box 2965
Portland, OR 97208

RESOURCE AREA DATA ORGANIZATION / STRUCTURE

For RAB, the categories/groups that the data set is part of are:

BLM Resource Area Polygon:

ODF

Boundaries

Political & Admin

Political & Admin Existing

RAB_poly

BLM Resource Area Line:

ODF

Boundaries

PoliticalAdministrativeSpecialManagementAreaLine

RAB_arc

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

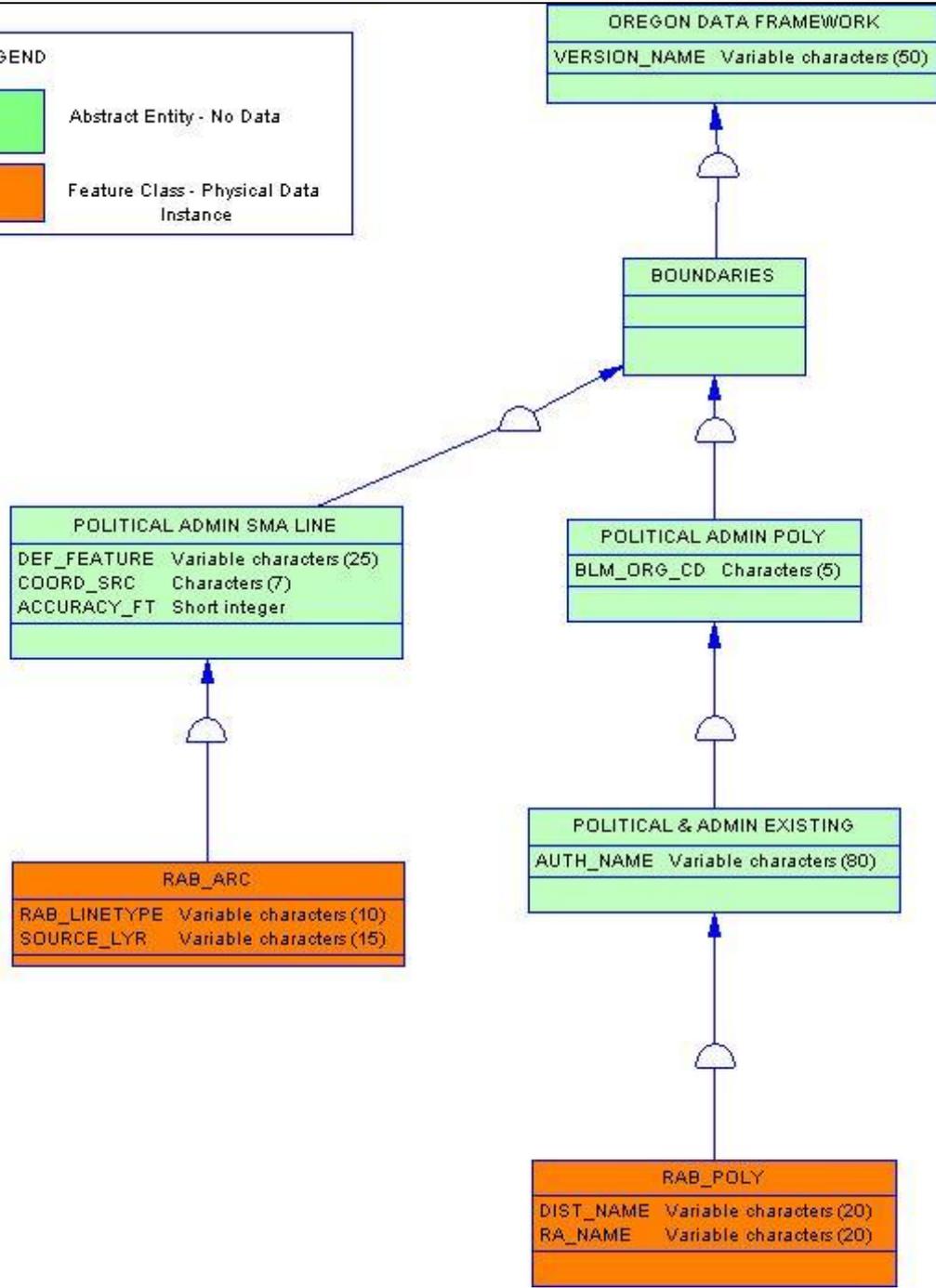
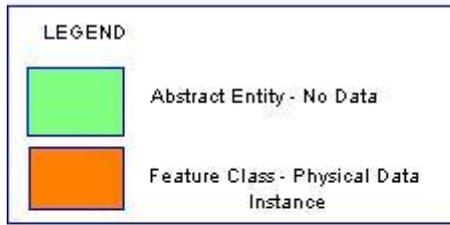
The Department of the Interior's (DOI) Enterprise Architecture contains a component called the Data Resource Model. This model addresses the concepts of Data Sharing, Data Description, and Data Context. This data standard provides information needed to address each of those areas. Data sharing is addressed 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: Geospatial & Geography

Information Class: Location

For a complete list of all DOI Data Subject Areas and Information Classes contact:

OR/WA State Data Administrator
Stan Frazier
BLM
P.O. Box 2965
Portland, OR 97208



DATA MANAGEMENT PROTOCOLS

ACCURACY REQUIREMENTS

The RAB are defined by legal descriptions following natural or man-made features and survey positions. The spatial data representing the features are refined over time to more accurately capture their intended position. The RAB will include the most accurate data available.

COLLECTION AND INPUT PROTOCOLS

The State Data Steward will determine the correct boundary description and work with District Data Stewards and GIS Coordinators to obtain the best GIS data. The most common definition of Resource Area lines is section lines or subdivisions and therefore the most common GIS coordinate source is Geographic Coordinate Database (GCD). Other sources are Watercourse data where the boundary follows stream or water body center lines or County Boundary line data. In addition, the boundary dividing Resource Areas within a District may follow pasture lines and the GIS coordinate source will be the Allotment and Pasture theme or Ground Transportation where the boundary follows road center lines. The west boundary of the westernmost Districts is officially the 3 mile coastal waters boundary. Once the RAB boundaries are precisely defined, GIS linework from the appropriate GIS theme is segmented as necessary and imported. Where lines from different GIS themes come together, the less precise boundary is snapped to the more precise. The GCD-based lines take precedence over other coordinate sources. Where a County (or State) boundary defines the RAB boundary segment, the County dataset provides the lines because it is already sourced to the best coordinates.

MAINTENANCE PROTOCOLS

Once the RAB theme has been created, it is the responsibility of the State Data Steward to ensure that it themes remain current. It is the responsibility of District Data Stewards and GIS Coordinators to keep the State Data Steward apprised of improvements to the GIS source data and to assist with updates. Proposed changes will be provided to the State Data Steward for inclusion in the theme. Any changes occurring in the data affecting the District Boundary will be incorporated after WO approval.

UPDATE TRANSACTIONS

The unit of processing for updating the RAB theme is the State. Transactions will be initiated by editors at the State Office. Editors will "check-out" the RAB theme features. They will then add, delete or modify the features prior to "check-in".

UPDATE FREQUENCY

Boundary definitions and therefore RAB lines are expected to change very infrequently. However, more accurate data may become available at any time for other themes used to depict the boundaries. The RAB will be rebuilt to incorporate any newer data.

It is also the responsibility of the Data Steward to ensure that any database external to the Corporate GIS remains current. Since RAB is used in the majority of BLM management plans, analysis acres reported in planning documents will be inconsistent with acres calculated using an updated RAB. It is the responsibility of District Planners and District Data Stewards to determine when a plan amendment is warranted.

STATEWIDE MONITORING

The State Data Steward in conjunction with the Lead GIS Specialist and District Data Stewards are responsible for reviewing the RAB theme across the state at least once per year.

RESOURCE AREA BOUNDARIES 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 used in this data standard can be found in Appendix A. These are the domains at the time the data standard was approved. Domains can be changed without a re-issue of the data standard so those shown in the Appendix may not be current. Contact the OR/WA State Data Administrator for the current lists.

OR/WA State Data Administrator
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 P.O. Box 2965
 Portland, OR 97208

RESOURCE AREA BOUNDARY DATASET

RAB_Poly (BLM Resource Area Polygons)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes	dom_BLM_ORG_CD
DIST_NAME	String	20		Yes	dom_DIST_NAME
RA_NAME	String	20		Yes	dom_RA_NAME
AUTH_NAME	String	80			
VERSION_NAME	String	50	InitialLoad	Yes*	

RAB_Arc (BLM Resource Area Lines)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
DEF_FEATURE	String	25		Yes	dom_DEF_FEATURE
COORD_SRC	String	7		Yes	dom_COORD_SRC
ACCURACY_FT	Short Integer				
SOURCE_LYR	String	15		Yes	
RAB_LNTYPE	String	10			dom_RAB_LNTYPE
VERSION_NAME	String	50	InitialLoad	Yes*	

* Values automatically generated

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 in the states of OR/WA. See the metadata for this data set for more precise description of the extent.

SPATIAL ENTITY CHARACTERISTICSRESOURCE AREA BOUNDARIES POLYGON (RAB_POLY)

Description: Instance of Political & Admin Existing group.

Geometry: Polygons that form a continuous “wall-to-wall” cover across OR/WA with no gaps or overlaps.

Topology: Yes. RAB_POLY lines are coincident with RAB_ARC lines and together make the feature dataset, RAB.

Integration Requirements: RAB arcs are commonly imported to create other GIS boundary themes (see RAB_ARC Integration Requirements below). If, instead, the RAB poly is imported then the DEF_FEATURE attribute on the corresponding RAB arc features must be transferred to the DEF_FEATURE of the receiving theme (unless “BLM_ADMIN” is more appropriate).

RESOURCE AREA BOUNDARIES LINE (RAB_ARC)

Description: Instance of Existing Political Admin Surface Management Agency Line group.

Geometry: Simple, non-overlapping lines that are split between endpoints as needed.

Topology: Yes. RAB_POLY lines are coincident with RAB_ARC lines and together make the feature dataset, RAB.

Integration Requirements: RAB_ARC lines must remain coincident with the source data indicated by attributes DEF_FEATURE and COORD_SRC either through duplication or snapping. The RAB arcs are commonly imported to create other GIS boundary themes. The DEF_FEATURE attribute is transferred to the receiving arc feature class except where “BLM_ADMIN” is the appropriate choice for DEF_FEATURE. In general, the lowest level defining feature (e.g. “SUBDIVISION” rather than “BLM_ADMIN”) should be shown in the DEF_FEATURE attribute, but sometimes the boundary segment in the receiving feature class is truly defined as “Resource Area Boundary” not “subdivision” and in that case “BLM_ADMIN” is the appropriate choice. Any GIS theme with a DEF_FEATURE of BLM_ADMIN must be updated whenever RAB is updated.

ATTRIBUTE CHARACTERISTICS AND DEFINITIONS

(in alphabetical order)

ACCURACY_FT

Geodatabase Name	ACCURACY_FT
BLM Structured Name	Accuracy_Feet_Measure
Notes	Inherited from Entity POLITICAL ADMIN SMA LINE
	Used in Feature Classes: RAB_Arc
Domain	<None>
Data Type	Short integer
Length	
Precision	

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 Global Positioning System (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 (Digital Line Graphs (DLG), Geographic Coordinate Database (GCD), Digital Elevation Model (DEM)) because the accuracy is determined by that theme. If COORD_SRC is Management Action Plan (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.

AUTH_NAME

Geodatabase Name	AUTH_NAME
BLM Structured Name	Authority_Text
Notes	Used in Feature Classes: RAB_POLY
Domain	<None>
Data Type	Variable characters (80)
Length	80
Precision	

Description

The complete official name of the act/law/order/instruction that established or changes the boundary, e.g., "Steens Mountain Cooperative Management and Protection Act of 2000, Public Law 106-399." The authorizing entity and the effective date are required.

BLM_ORG_CD

Geodatabase Name	BLM_ORG_CD
BLM Structured Name	ADMINSTRATIVE_UNIT_ORGANIZATION_CODE
Notes	Inherited from Entity POLITICAL AND ADMIN
	Used in Feature Classes: RAB_Poly
Domain	dom_BLM_ORG_CD
Data Type	Characters (5)
Length	5
Precision	

Description

[Required]

Combination of the BLM State, District and Field Office which has administrative responsibility. Domain is a subset of the BLM national domain for organization codes.

Examples:

ORL05 Lakeview Field Office
 ORB05 Three Rivers Resource Area
 ORS05 Marys Peak Resource Area
 ORB00 Burns District

COORD_SRC

Geodatabase Name	COORD_SRC
BLM Structured Name	Coordinate_Source_Code
Notes	Inherited from Entity POLITICAL ADMIN SMA LINE
	Used in Feature Classes: RAB_Arc
Domain	dom_COORD_SRC
Data Type	Characters (7)
Length	7
Precision	

Description

[Required]

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

Examples: GCD, DEM, DLG, SOURCEC, MAP

DEF_FEATURE

Geodatabase Name	DEF_FEATURE
BLM Structured Name	Defining_Feature_Code
Notes	Inherited from Entity POLITICAL ADMIN SMA LINE
	Used in Feature Classes: RAB_Arc
Domain	dom_DEF_FEATURE
Data Type	Variable characters (25)
Length	25
Precision	

Description

[Required]

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 COUNTY unless the boundary segment is specifically defined as following the COUNTY boundary.

Examples: SUBDIVISION, POINT-TO-POINT, WATERCOURSE, RIDGE, SHORELINE, COAST_3MILE, JETTY, COUNTY

DISTRICT_NAME

Geodatabase Name	DIST_NAME
BLM Structured Name	BLM_District_Name
Notes	Used in Feature Classes: RAB_Poly
Domain	dom_DIST_NAME
Data Type	Variable characters (20)
Length	20
Precision	

Description

[Required]

Name of the BLM District that the Resource Area is a part of.

Domain is a subset of the district names associated with the BLM Organization Code master domain.

Examples: Salem District, Vale District

RA_NAME

Geodatabase Name	RA_NAME
BLM Structured Name	BLM_Resource_Area_Name
Notes	Used in Feature Classes: RAB_Poly

Domain	dom_RA_NAME
Data Type	Variable characters (20)
Length	20
Precision	

Description

[Required]

Name of the Resource Area that the polygon represents.

Examples: Marys Peak Resource Area, Border Resource Area

RAB_LNTYPE

Geodatabase Name	RAB_LNTYPE
BLM Structured Name	CARTOGRAPHIC_LINETYPE_CODE
Notes	Not Inherited
	Used in Feature Classes:
	RAB_ARC
Domain	dom_RAB_LNTYPE
Data Type	Variable characters (10)
Length	10
Precision	

Description

The "highest" level boundary that will be displayed when more than one type of boundary coincide.

Examples: RAB, DOB, SOB, RABEXT, DOBEXT, SOBOCEAN

SOURCE_LYR

Geodatabase Name	SOURCE_LYR
BLM Structured Name	SOURCE_LAYER_NAME
Notes	Not Inherited
Domain	Used in Feature Class RAB_ARC
Data Type	<None>
Length	Variable characters (15)
Precision	15

Description

[Required - if applicable]

The name of the feature class from which features are duplicated. Required if COOR_SOURCE is SOURCE_L. Otherwise field is blank.

VERSION_NAME

Geodatabase Name	VERSION_NAME
BLM Structured Name	Geodatabase_Version_Text
Notes	Inherited from Entity Oregon Data Model.
Domain	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.
Data Type	Used in Feature Classes: RAB_Poly RAB_Arc
Length	<None>
Precision	Variable characters (50)
	50

Description

[Required]

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

InitialLoad = feature has not been edited in ArcSDE.

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

ASSOCIATED FILES OR DATABASES

District and Resource Area names associated with the BLM RAB data sets must be included in the Geographic Names Information System.

LAYER FILES (PUBLICATION VIEWS)

Layer files will be created through scripts that can be automatically executed. Layer files do not require storage and maintenance of additional data and can be deleted and recreated at any time. Layer files (since they are derivative products) are not master corporate data (they can be easily rebuilt if necessary). The layer files that have been developed as of the date of this standard are listed below but additional ones may be added in the future without documenting them in this document.

District Land.lyr – OR/WA BLM Districts to the coastline. Does not include the 3-mile limit (official State extent into the ocean) or islands in the ocean.

RA Land.lyr – OR/WA BLM Resource Areas to the coastline. Does not include the 3-mile limit or islands in the ocean.

State,DOB.lyr – OR/WA and District boundaries including the 3-mile extent into the ocean and the ocean islands.

State,DOB,RAB.lyr – OR/WA, District, Resource Areas boundaries including the 3-mile limit extent into the ocean and the ocean island.

Publication feature datasets are derivative products of the core master data (in this case RAB_Arc and RAB_Poly). They may also be combined with other feature classes to create this derivative product. In this case, the Publication data for RAB will be a replication of the RAB dataset plus a feature class called RAB_OCEAN created by merging RAB_POLY and OCEAN_POLY (described in a separate data standard). This second feature class contains all polygons pertinent to Resource Area/District Boundary query, display and analysis needs and will be the source pointed to by a variety of layer files.

For mapping purposes, when lines coincide (State Boundaries, District Boundaries, Resource Boundaries) only the highest level boundary is shown and a layer file may be created to standardize this representation by using the RAB_LNTYPE attribute on RAB_ARC.

EDITING PROCEDURES (TO BE ADDED LATER)

Cluster Tolerance

Topology Rules

Allowed Exceptions

Reference Themes and Tables

Editing Symbology

Editing Workflow

Snapping Guidelines

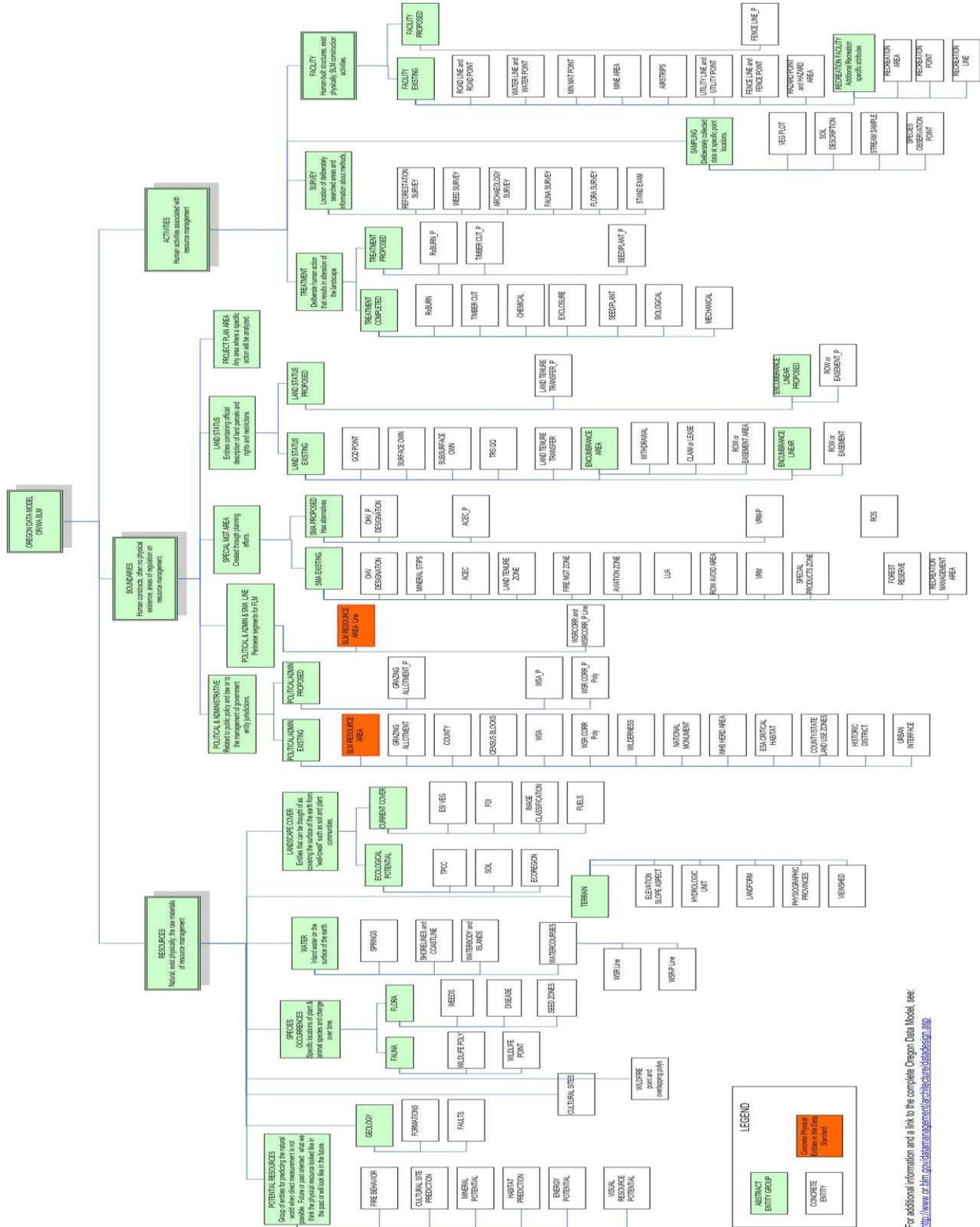
Ranks

Tolerances

"Do's and Don'ts"

QC Checklist

OREGON DATA FRAMEWORK OVERVIEW (RESOURCE AREA BOUNDARIES HIGHLIGHTED)



For additional information and a link to the complete Oregon Data Model, see:
<http://www.blm.gov/databasemanagement/techbaselibrary/design.asp>

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
DOB	BLM District Office Boundary
FOIA	Freedom of Information Act
GCD	Geographic Coordinate Database
GIS	Geographic Information System
GNIS	Geographic Names Information System
IDP	Interdisciplinary
NAD	North American Datum
NARA	National Archives and Records Administration
ODF	Oregon Data Framework
OR/WA	Oregon/Washington
RA	Resource Area
RAB	Resource Area Boundary
RMP	Resource Management Plan
SDE	Spatial Data Engine
SMA	Special Management Areas
SOB	BLM OR/WA State Office Boundary

APPENDIX A - DOMAINS (VALID VALUES)

The domains are those that were in effect at the time the data standard was approved and may not be current. Contact the State Data Administrator for current lists:

OR/WA State Data Administrator
 Stan Frazier
 BLM
 P.O. Box 2965
 Portland, OR 97208

DOMAIN: BLM_ORG_CD (all are relevant to RAB)

<u>CODE</u>	<u>DESCRIPTION</u>
OR000	Oregon/Washington BLM
ORB00	Burns District Office
ORB05	Three Rivers Field Office
ORB06	Andrews/Steens Field Office
ORC00	Coos Bay District Office
ORC03	Umpqua Field Office
ORC04	Myrtlewood Field Office
ORE00	Eugene District Office
ORE05	Siuslaw Field Office
ORE06	Upper Willamette Field Office
ORL00	Lakeview District Office
ORL04	Klamath Falls Field Office
ORL05	Lakeview Field Office
ORM00	Medford District Office
ORM05	Butte Falls Field Office
ORM06	Ashland Field Office
ORM07	Grants Pass Field Office
ORM08	Glendale Field Office
ORP00	Prineville District Office
ORP04	Central Oregon Field Office
ORP06	Deschutes Field Office
ORR00	Roseburg District Office
ORR04	Swiftwater Field Office
ORR05	South River Field Office
ORS00	Salem District Office
ORS04	Cascades Field Office
ORS05	Marys Peak Field Office
ORS06	Tillamook Field Office
ORV00	Vale District Office

ORV04	Malheur Field Office
ORV05	Baker Field Office
ORV06	Jordan Field Office
ORW00	Spokane District Office
ORW02	Wenatchee Field Office
ORW03	Border Field Office

DOMAIN: COORD_SRC (choices highlighted are relevant to RAB)

<u>CODE</u>	<u>DESCRIPTION</u>
CFF	Lines duplicated or buffered from Cartographic Feature Files (USFS)
DEM	Digital Elevation Model (30 m or better accuracy) used for creation of contours
DIS	
DLG	Lines duplicated or buffered from (24K scale accuracy) USGS Digital Line Graphs
DOQ	Screen digitized linework over Digital Orthoquad backdrop
DRG	Screen digitized linework over Digital Raster Graphic backdrop
GCD	Lines snapped to Geographic Coordinate Database Points
GPS	Lines obtained from a Global Positioning System device
IMG	Linework derived from interpretation of satellite or other non-photographic imagery
MAP	Digitized linework from hardcopy map
SOURCEL	Source Layer from BLM GIS.
SRV	Survey methods were used to create the linework (e.g. COGO)
TIGER	Tiger Data
TRS	Coordinates only given as a legal description (township, range, section)
UNK	Unknown coordinate source

DOMAIN: DEF_FEATURE (choices highlighted are relevant to RAB)

<u>CODE</u>	<u>DESCRIPTION</u>
BLM_ADMIN	Bureau of Land Management administrative boundary
CLOSURE	Closure extension. Used to close small gaps.
COAST_3MILE	3MILE-Separating coastal water from territorial sea at 3-mile
COUNTY	County boundary
ELEVATION	Line of common elevation
FENCE	Fence line
FOREST_SERVICE_ADMIN	Forest Service administrative boundaries
GRAZING_BOUNDARY	Pasture or other administrative grazing boundary that is not fenced and does not follow a subdivision or some other legal boundary.
HU	Hydrologic unit divide
JETTY	Jetty
JURISDICTION	Surface jurisdiction boundary
LAVA	Edge of lava flow
LEVEE	Dike or levee
MARSH	Edge of Marsh, wetland, swamp, or bog boundary
MINERAL_DISTURBANCE	Edge of quarry, mine, gravel stockpile or other mineral surface disturbance area
NLCS_BOUNDARY	Wilderness, Wild and Scenic River, Historic District or other NLCS designation boundary.
PARKING_AREA	Motorized vehicle parking area.
POINT-TO-POINT	Boundary defined by a straight line segment between two points
POWERLINE	Power transmission line or buffer offset
RIDGE	Ridge
RIGHT-OF-WAY	A legal right of way forms boundary
RIM	Line generally follows a natural topographic barrier
ROAD	Routes managed for use by low or high-clearance (4WD) vehicles, but not ATV's
ROAD_OFFSET	Boundary is offset from a road (not a consistent buffer)
SHORELINE	Lake, pond, reservoir, bay or ocean shoreline or meander line
STREAM_LBANK	Downstream left stream bank
STREAM_RBANK	Downstream right stream bank
SUBDIVISION	Public Land Survey System derived aliquot (1/2's, 1/4's) parts and lots
TRAIL	Routes managed for human-powered, stock or off-highway vehicle forms of travel
UNKNOWN	Defining feature is unknown
VEGETATION	Seeding boundary or other relatively permanent vegetation change
WATERCOURSE	Stream, river, ditch, canal or drainage centerline

DOMAIN: DIST_NAME (all are relevant to RAB)

Burns District
 Coos Bay District
 Eugene District
 Lakeview District
 Medford District
 Prineville District
 Roseburg District
 Salem District
 Spokane District
 Vale District

DOMAIN: RA_NAME (all are relevant to RAB)

<u>CODE</u>	<u>DESCRIPTION</u>
Andrews RA	Andrews Resource Area
Ashland RA	Ashland Resource Area
Baker RA	Baker Resource Area
Border RA	Border Resource Area
Butte Falls RA	Butte Falls Resource Area
Cascades RA	Cascades Resource Area
Central Oregon RA	Central Oregon Resource Area
Deschutes RA	Deschutes Resource Area
Glendale RA	Glendale Resource Area
Grants Pass RA	Grants Pass Resource Area
Jordan RA	Jordan Resource Area
Klamath Falls RA	Klamath Falls Resource Area
Lakeview RA	Lakeview Resource Area
Malheur RA	Malheur Resource Area
Marys Peak RA	Marys Peak Resource Area
Myrtlewood RA	Myrtlewood Resource Area
Siuslaw RA	Siuslaw Resource Area
South River RA	South River Resource Area
Swiftwater RA	Swiftwater Resource Area
Three Rivers RA	Three Rivers Resource Area
Tillamook RA	Tillamook Resource Area
Umpqua RA	Umpqua Resource Area
Upper Willamette RA	Upper Willamette Resource Area
Wenatchee RA	Wenatchee Resource Area

DOMAIN: RAB_LNTYPE (all are relevant to RAB)

<u>CODE</u>	<u>DESCRIPTION</u>
DOB	District Boundary
DOBEXT	Coast Extension for District Boundary
RAB	Resource Area Boundary
RABEXT	Coast Extension for Resource Area Boundary
SOB	OR/WA State Office Boundary
SOBOCEAN	3 mile Offshore Boundary for State Office Boundary