

Oregon/Washington Bureau of Land Management



Structures

Spatial Data Standard




*Seasonal housing in the Bakeoven facilities complex, Maupin, Oregon.
Photo taken by Morgan Rubanow, BLM, on June 1, 2023.*



Document Revisions

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Navigation

This document is easier to view if the Microsoft Word Navigation pane is displayed (View -> Navigation Pane). If viewing in PDF format, open the document in Acrobat and click the Contents button. 

This document uses hyperlinks to display additional information on topics. External links are displayed with an [underline](#).

Internal links are [blue](#) text, not underlined. After clicking on an internal link, press the Alt  + Left Arrow  keys to return to the original location from the target location.

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1 General Information

This dataset represents constructed features called structures. Structures are discrete, physically existing things that support treatment, recreation, or other management activities. Structures have a construction focus including materials, condition, and maintenance. Structures are line or point features used as building blocks. A fixed buffer width, added as an attribute to the point or line, is enough for determining acres as needed.

- Dataset (Theme) Name: Structures
- Dataset (Feature Class): STRCT_PT, STRCT_ARC

1.1 Roles and Responsibilities

To find the latest contact information for the employees assigned to these roles, see <https://www.blm.gov/about/data/oregon-data-management>.

- [State Data Steward](#) - the State Data Steward responsibilities include approving data standards and business rules, developing Quality Assurance/Quality Control procedures, identifying potential Privacy issues, and managing that data as a corporate resource. The State Data Steward coordinates with field office data stewards, the State Data Administrator, Geographic Information System (GIS) coordinators, and national data stewards. The State Data Steward reviews geospatial metadata for completeness and quality.
- [GIS Technical Lead](#) - the GIS Technical Lead works with data stewards to convert business needs into GIS applications and derive data requirements and participates in the development of data standards. The GIS technical lead coordinates with system administrators and GIS coordinators to manage the GIS databases. The GIS technical lead works with data editors to ensure the consistency and accordance with the established data standards of data input into the enterprise Spatial Database Engine (SDE) geodatabase. The GIS technical lead provides technical assistance and advice on GIS analysis, query, and display of the dataset.
- [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 compliance with defined processes for development of data standards and metadata, and process consistency and completeness. The State Data Administrator is responsible for making data standards and metadata accessible to all users. The State Data Administrator coordinates with data stewards and GIS coordinators to respond to national spatial data requests.
- [State FOIA/Privacy Act Team Lead](#) - the State FOIA/Privacy Act team lead assists the state data steward to identify any privacy issues related to spatial data. The State FOIA/Privacy Act team lead also provides direction and guidance on data release, fees, and classification under the appropriate Freedom of Information Act exemption.
- [State Records Administrator](#) - the state records administrator classifies data under the proper records retention schedule.

1.2 FOIA Category

These data fall under the standard Records Access Category 1B - BLM Records that may contain protected information that must be considered for segregation prior to release. See section 8 for more information on which data are available to the public.

1.3 Records Retention Schedule

The DRS/GRS/BLM Combined Records Schedule, under Schedule **20/52a5** (Electronic Records/Geographic Information Systems), lists this theme, **Infrastructure**, as one of the system-centric themes that are significant for BLM's mission that must be permanently retained.

“PERMANENT. Cutoff at the end of each Fiscal Year (FY) or when significant changes and additions have been made, before and after the change. Use BLM 20/52a. Transfer to the National Archives every three years after cutoff. Under the instruction in 36 CFR 1235.44-50 or whichever guidance is in place at the time of the transfer. Submissions are full datasets and are in addition to, not replacements of, earlier submissions.”

Oregon/Washington (OR/WA) Bureau of Land Management (BLM) Guidebook for Management of Geospatial Data (v1) Section 15.2 - Corporate Data Online Archives prescribes:

Vector annual archives are retained online for 12 years. Each year, data that has reached 12 years old is copied off-line to be retained until no longer needed (determined by data stewards and program leads) with format and readability maintained in a five (5) year “tech refresh” update cycle.”

1.4 Security/Access/Sensitivity

This theme does not require any additional security other than that provided by the General Support System (the hardware/software infrastructure of the OR/WA BLM).

This dataset is sensitive and there are restrictions on access to this data, either from within the BLM or external to the BLM. These data fall under the standard Records Access Category 1B - BLM Records that may contain protected information that must be considered for segregation prior to release.

There are no privacy issues or concerns associated with these data themes. A privacy impact assessment was signed for this dataset on 12/4/2023.

1.5 Keywords

Keywords that can be used to locate this dataset include:

- BLM Thesaurus: Facility, Energy, Range, Recreation, Disturbance, Geospatial.
- Additional keywords: structures, construction, improvements, range improvements, and resource improvements.
- ISO Thesaurus: biota, economy, environment, location, farming, and structure.

1.6 Subject Function Codes

BLM Subject Function codes used to describe this dataset include:

- 1283 - Data Administration
- 9167 - Geographic Information System (GIS)
- 9175 - Land Treatment

2 Dataset Overview

2.1 Usage

This dataset depicts structures on maps and provides information useful to the maintenance of structures on the ground, and for reporting on construction activity. The BLM, as a public land management agency, is required to identify land-altering actions including construction. Proposed structures must undergo planning at some level. The National Environmental Protection Act cumulative effects analysis requires accounting for both completed and proposed structures. Structure reporting usually counts rather than measures the structures, with linear structures tallied by mile. Structures are often combined (spatial overlay) with polygon feature classes for a variety of analytical purposes. For example, miles of fence in a watershed or the number of erosion control devices in a Resource Area.

Non-BLM structures (structures under the control of another agency or private party) can be included in this data set when necessary for cartographic or analytical purposes. Take care to identify clearly non-BLM features when shown.

2.2 Sponsor/Affected Parties

The sponsor for this dataset is the Deputy State Director, Resource Planning, Use and Protection. This dataset represents BLM structures, and matching interagency data across the landscape is not necessary.

2.3 Relationship to Other Datasets, Databases, or Files

Structures, defined as constructed features, may have links to the FAMS application database. In addition, structures often have meaning outside of being constructed things. Structures built to support rangeland management (fences, water developments) need links to RIPS. They might be infrastructure for a recreation site. The structure itself is not a recreation site but may be associated with a recreation site feature (RECSITE). Link structures built to support a land area treatment to that treatment with TRT_GUID. It is important to consider the relationships between structures and associated areas treated or potentially treated because it may not be immediately obvious. Capture these treated area polygons on one of the treatment feature classes (BURN, REVEG, HARV, MECH, CHEM, BIO, and PROT). Some structures function as treatments all by themselves; so, the core attributes for PLANID, REASON, REASON2, INITIATIVE, and INITIATIVE2 are included.

There should be a large amount of coincidence between STRCT_ARC and the polylines (arc) of Grazing Allotments and Pastures (GRA) and/or polylines of PROT (protection feature class from treatments). If GRA arcs have DEF_FEATURE = "FENCE," there should be a corresponding arc on STRCT_ARC with TYPE = "Fence." However, it is important to note that fences on STRCT_ARC might be slightly different (longer or shorter extent) than the polylines of GRA or PROT. There will be more fences in STRCT_ARC than are found in GRA or PROT. The STRCT_ARC represents the true physical location of a fence; GRA and PROT represent areas that may include boundary segments other than fences.

Link structures related to water to the relevant physical water feature in the NHD. Fill in the NHD_REACHCODE linking field for the appropriate structures. The NHD does not include the attribute information needed for BLM water structure management, use, and planning purposes. You will find structures dataset attributes and additional detail in [Section 3.2 Collection, Input, and Maintenance Protocols on page **Error! Bookmark not defined.**](#)

Another existing database application is the WETS database. Even though WETS allows for the creation of GIS spatial features within the application, it is not the master location for spatial features. Features from NHD, structures, treatments, GTRN or other GIS master datasets, can be copied into the WETS and attributes attached. Select spatial features with a riparian or water restoration benefit from structures using the REASON or REASON2 attributes.

Even though roads, railroads, and trails are constructed features, the OR/WA corporate GTRN dataset will continue to serve as master data for these spatial features. Point features, like gates and cattleguards, however, are found in STRCT_PT. Road closure devices are indicated by REASON = "Road Access Restriction" with a STRCT_PT_TYPE of Gate, Road Barrier, or Sign. The STRCT_MAT provides the physical material of the road closure or blockage.

Power, communication (phone, optic, cable), and gas lines are generally not BLM owned or managed entities. BLM acquires utility lines are from other agencies, but OR/WA BLM often needs to make modifications to reduce the complexity of lines, as well as customize attributes. As such, these data fall into the OR/WA corporate data category of external source (value-added) and are stored in a separate feature class. Structures allow inclusion of these entity types for when OR/WA BLM is the appropriate creator and maintainer of the data.

There is considerable duplication between STRCT_PT, NHD, RECSITE and the USGS point layer GNIS. The GNIS is simply points for cartographic display and includes all kinds of locations. The GNIS contains point locations for recreation sites (RECSITE) like parks and campgrounds, as well as, constructed features such as

offices, towers, wells, dams, bridges and many more. These are not completed nor intended to be. They are map label locations and, more importantly, the official names of natural features. The GNIS also contains cartographic locations for landform labels (peaks, valleys, flats, etc.). To avoid duplication with other OR/WA BLM corporate data, consider GNIS the master spatial data location only for the landform label points. There should be regular synchronization of point locations from the other themes to GNIS and, conversely, GNIS provides the official name for relevant spatial features (notably water features). There is often an additional “local” name necessary for data differentiation and linkage to other databases.

All the above are examples of “one-to-many” relationships where there may be many structures related to one treatment polygon, one recreation site polygon or recreation site point, one range improvement project, or one “facility” in FAMS. It may also be necessary to go from one structure to many smaller structures. For example, one pipeline might have many valves, one wind tower might have details about support points, and one campground might have many water spigots and toilets. Keep these details, if necessary, in separate tables linked to structures with STRCT_GUID and/or to recreation sites or other facilities with FAMSKEY and/or to treatments with TRT_GUID. These tables can have simple XY coordinates for mapping. You can keep examples of such small structure locations in a separate XY table:

- Small Signs (Boundary/Information/Fire Prevention/Fee)
- Power Pole/Box, Communication Pole/Box
- Water Spigot/Valve/Vent/Pump/Drain
- Sewage Sump, Propane Tank
- Traffic Counter Road/Trail
- Fire Ring, Picnic Table
- Fence Gate/Stile/Jack
- Fence Pull Pile
- Claim Marker

Consider a recreation Site, a Structure, and a Small Structure associated item by following the FAMS logic for a Site, an Asset, and an Optional Asset. All structures should create an entity on STRCT_PT or STRCT_ARC (with possible association to treatment feature classes or to Recreation Sites). The small structures stored in a separate table, if they may have only minimal additional information or a great deal of detailed information.

Define the relationship to Sampling Points (described in the SAMPLE_PT data standard) by intent or purpose of the entity. Define structures by their construction characteristics. Define sampling Points by their purpose, which is resource measurement, and monitoring at a specific point and time (often repeatedly). Think of things like mineral drill holes, geothermal test wells, and seismic test stations as small structures, but they are inherently Sampling Points.

The most important related applications are Micro*Storms, National Fire Plan Operations and Reporting System, NHD, FAMS and RIPS. The linking field is understood for these applications. Other applications which may need to upload spatial features from the structures feature classes are Timber Sale Information System, Stewardship Contracting Information Database, and IRDA. Linkage to these systems is not yet determined. Information about small structures that can always be represented as points is kept in separate tables that can be linked to STRCT_PT or STRCT_ARC with STRCT_GUID.

Structures are also related to the ODF Fish Passage Barrier and Culvert datasets. Fish Passage Barriers and Culverts datasets relate to the Structure Points.

Structures might be associated with one or more of the following external (outside the ODF) datasets:

- Range Improvement Project System (RIPS)
- Facility Assets Management System (FAMS)
- Ground Transportation (GTRN)

- Recreation Management Information System (RMIS)
- Watershed Enhancement Tracking System (WETS)
- Interagency National Hydrography Dataset (NHD)
- United States Geological Survey (USGS)
- Geographic Names Information System (GNIS)
- State of Oregon databases

2.4 Data Category/Architecture Link

This data theme is a portion of the Oregon Data Framework (ODF) shown in Figure 1, Oregon Data Framework (ODF) Overview on page 9. The illustration is a simplified schematic of the entire ODF showing the overall organization and entity inheritance. 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
- Boundaries

These general categories are broken into sub-categories that inherit spatial characteristics and attributes from their parent category. These sub-categories may be further broken into more specific groups until the basic data set 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 which all data of that type must follow.

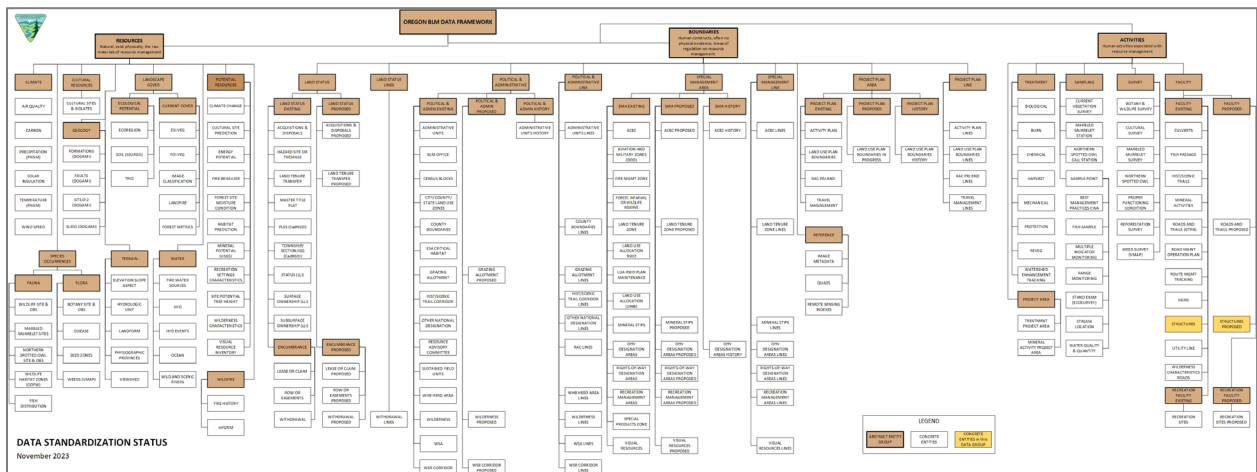


Figure 1 Oregon Data Framework Overview

For an easier to view version of the Oregon Data Framework diagram, go to: https://gis.blm.gov/ORDownload/DataFramework/BLM_ODF_Model_Mini_Status.pdf.

Physical data is populated in the basic data sets. Those groups/categories above them do not contain actual data but set parameters that all data of that type must follow. See Figure 2, Data Organization Structure for a simplified schematic of the entire ODF showing the overall organization and entity inheritance. The Structures entities are highlighted. For additional information about the ODF, contact the [State Data Administrator](#). The State Data Administrator's contact information can be found at the following link: <https://www.blm.gov/about/data/oregon-data-management>.

In the ODF, Structures is considered an Activity and categorized as follows:

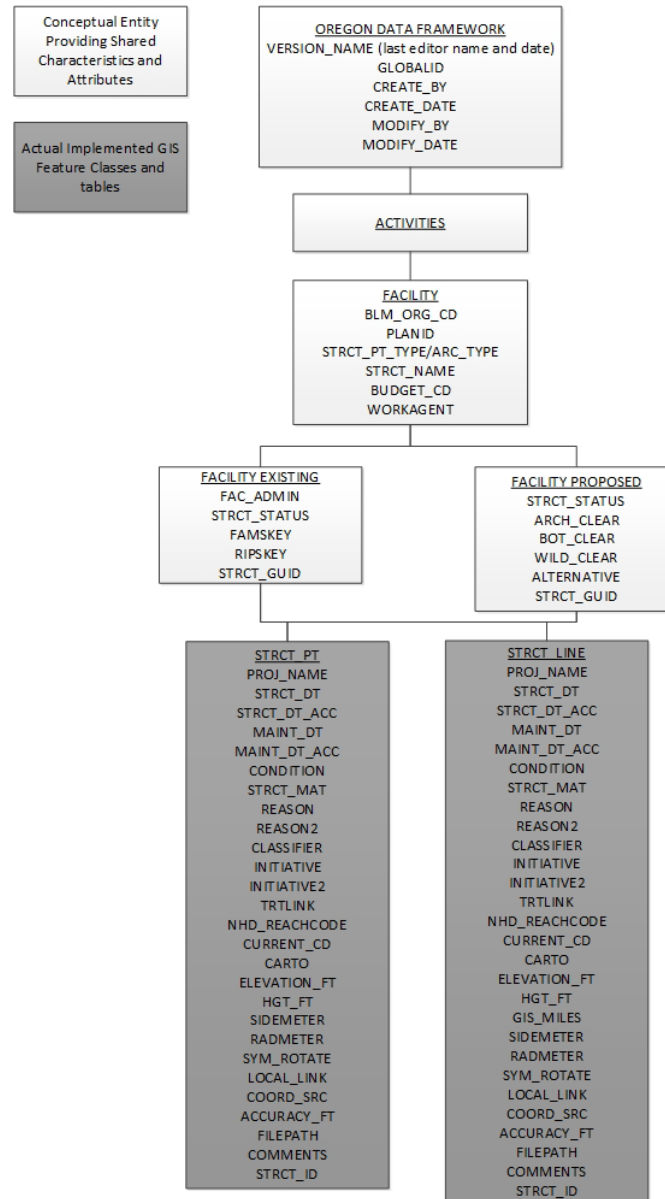


Figure 2 Data Organization Structure

2.5 Relationship to DOI Enterprise Architecture Data Resource Mode

The Department of the Interior (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, the Data Subject Area and Information Class are:

- Data Subject Area: Geospatial
- Information Class: Location

3 Data Management Protocols

3.1 Accuracy Requirements

Since structures have a physical existence on the ground, it is possible to map their locations with a high degree of accuracy. Accuracy is, however, variable because of a wide variety of sources. The claimed +/- range is captured in the attribute ACCURACY_FT. Entering structure locations using the Global Positioning System (GPS) or by careful mapping improves the accuracy.

3.2 Collection, Input, and Maintenance Protocols

Input structures from one of the following sources:

- From GPS coordinates.
- Using Digital Orthophoto Quad backdrops for heads-up digitizing.
- Copied from existing digital data.
- Digitized from paper maps.

Capture the source of the coordinates in the attribute COORD_SRC. It is possible, and likely, that there will be multiple structure points in the same location, so it is important to check for unintentional duplicates. Structures that are associated with a treatment should have the TRT_GUID from the relevant treatment feature class and REASON filled in.

To collect mobile data, a staff member must first obtain the appropriate mobile editor user account within the BLM Enterprise Mobile Portal. Then, administrators will add Structures mobile editors to the designated group in the portal which allows them to access the editable feature service.

Once added to the correct group, users can log in to the S1 Mobile for Android Application and download an editable replica of the Structures dataset to their device for offline use in the field. This application allows users to create Structures features.

When the user returns to the office and re-establishes wireless internet connectivity on the device, they will then choose the option to sync and submit their data from the mobile application. This will add the created, updated, and/or deleted features/records to a BLM SDE Version queue. Authorized editors will then import this mobile version into ArcGIS Desktop, where they will review the data, perform any needed corrections or updates, and submit the version for automated Quality Assurance/Quality Control (QAQC), reconcile, and posting. The automated QAQC process performed during version submission will check the version for missing values in required fields, values outside of applied range and/or coded value domains, and other data rules.

Structures associated with a physical water feature found in NHD should have a matching NHD_REACHCODE with the appropriate reach unique identifier. You can use the same reach code on more than one structure. Fill in the NHD and NHD_REACHCODE physical water feature as soon as possible.

There are three kinds of proposed structures:

- New construction
- Reconstruction
- Removal

The final constructed shape and location might be different from the proposed. Adjust the shape, fill in the appropriate linking fields (especially NHD_REACHCODE and RIPSKEY), change the STRCT_STATUS to Completed and adjust other attributes as needed.

Delete the relevant proposed features when a proposal is no longer valid.

3.3 Update Frequency and Archival Protocols

Updates are potentially frequent but usually involve only a few structures. District resource specialists should check the themes frequently for spatial and attribute accuracy within their districts and inform the GIS editor when features are ready to move from **Proposed** to **Completed**.

3.4 Statewide Monitoring

The State Data Stewards are responsible for checking consistency and completeness across districts for the theme(s) that is relevant to their programs.

Each year, geospatial staff of the BLM Division of Resources, Lands, and Minerals meets with each state data steward for every corporate geospatial theme to conduct an annual review of the data. During the annual review, geospatial staff present the state data stewards with a report detailing Quality Assurance/Quality Control (QAQC) results performed on the data. The QAQC does the following:

- Checks that all attribute values conform to the range or coded-value domains to which they are applied.
- Checks that all attributes marked as required in the data standard have values.
- Checks for duplicate features which have the same geometry and attributes.
- Checks for overlapping features if forbidden by the data standard.
- Checks for invalid geometry.
- Other checks as necessary (can be customized according to the data standard).

In addition to this report, geospatial staff conduct a qualitative needs assessment with the steward to identify any unmet needs or problems with the status of the data. At the conclusion of the review, the team records the steward's approvals of the datasets reviewed. These approvals are then added to the corporate metadata.

4 Structures 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. Current domains are found on the internal OR/WA SharePoint data management page. Some of the domains used in this data standard are also available at the following web site: <https://www.blm.gov/about/data/oregon-data-management>.

For domains not listed at that site contact: [State Data Administrator](#).

4.1 STRCT_PT Feature Class (Structure Points)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

| Attribute Name | Data Type | Length | Default Value | Required | Domain |
|----------------|-----------|--------|---------------|-------------|-------------------|
| STRCT_NAME | String | 40 | | Yes | |
| STRCT_PT_TYPE | String | 30 | Unknown | Yes | dom_STRCT_PT_TYPE |
| STRCT_STATUS | String | 20 | Initial | Yes | dom_STATUS |
| PROJ_NAME | String | 100 | | No | |
| STRCT_DT | Date | | 1/1/8888 | Yes | |
| STRCT_DT_ACC | String | 7 | Day | Yes | dom_DT_ACC |
| MAINT_DT | Date | | | No | |
| MAINT_DT_ACC | String | 7 | | Conditional | dom_DT_ACC |
| CONDITION | String | 20 | | No | dom_CONDITION |
| STRCT_MAT | String | 30 | | No | |
| REASON | String | 30 | Unknown | Yes | dom_REASON |
| REASON2 | String | 30 | | No | dom_REASON |
| BLM_ORG_CD | String | 5 | OR000 | Yes * | dom_BLM_ORG_CD |
| FAC_ADMIN | String | 3 | UN | Yes | dom_JURIS_CODE |
| CLASSIFIER | String | 30 | | No | |
| PLANID | String | 100 | | No | dom_PLANID |
| INITIATIVE | String | 20 | | No | dom_INITIATIVE |
| INITIATIVE2 | String | 20 | | No | dom_INITIATIVE |
| BUDGET_CD | String | 50 | | No | |
| WORKAGENT | String | 40 | | No | dom_WORKAGENT |
| TRT_GUID | GUID | | | No | |
| FAMSKEY | String | 8 | | No | |
| RIPSKEY | String | 6 | | No | |
| NHD_REACHCODE | String | 14 | | No | |
| CURRENT_CD | String | 1 | C | Yes | dom_CURRENT_CD |
| CARTO | String | 20 | | No | |

| Attribute Name | Data Type | Length | Default Value | Required | Domain |
|----------------|---------------|--------|---------------|----------|------------------|
| ELEVATION_FT | Short Integer | | | No | |
| HGT_FT | Double | | | No | |
| ALTERNATIVE | String | 10 | | No | |
| ARCH_CLEAR | Date | | | No | |
| BOT_CLEAR | Date | | | No | |
| WILD_CLEAR | Date | | | No | |
| SIDEMETER | Double | | | No | |
| RADMETER | Double | | | No | |
| SYM_ROTATE | Short Integer | | | No | dom_Degree0to359 |
| LOCAL_LINK | String | 30 | | No | |
| COORD_SRC | String | 7 | | No | dom_COORD_SRC |
| ACCURACY_FT | Short Integer | | | No | |
| FILEPATH | String | 150 | | No | |
| COMMENTS | String | 255 | | No | |
| STRCT_GUID | GUID | | | Yes * | |
| VERSION_NAME | String | 50 | InitialLoad | Yes *** | |
| GLOBALID | GUID | | | Yes * | |
| CREATE_BY | String | 50 | | No * | |
| CREATE_DATE | Date | | | No * | |
| MODIFY_BY | String | 50 | | No * | |
| MODIFY_DATE | Date | | | No * | |

* Values automatically generated

** Enforced during quality control, may appear in data as not required

*** Maintained through versioning tools, may appear not required in database

4.2 STRCT_ARC Feature Class (Structure Lines)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

| Attribute Name | Data Type | Length | Default Value | Required | Domain |
|----------------|-----------|--------|---------------|----------|--------------------|
| STRCT_NAME | String | 40 | | Yes | |
| STRCT_ARC_TYPE | String | 30 | Unknown | Yes | dom_STRCT_ARC_TYPE |
| STRCT_STATUS | String | 20 | Initial | Yes | dom_STATUS |
| PROJ_NAME | String | 100 | | No | |
| STRCT_DT | Date | | 1/1/8888 | Yes | |
| STRCT_DT_ACC | String | 7 | Day | Yes | dom_DT_ACC |

| Attribute Name | Data Type | Length | Default Value | Required | Domain |
|----------------|---------------|--------|---------------|-------------|----------------|
| MAINT_DT | Date | | | No | |
| MAINT_DT_ACC | String | 7 | | Conditional | dom_DT_ACC |
| CONDITION | String | 20 | | No | dom_CONDITION |
| STRCT_MAT | String | 30 | | No | |
| REASON | String | 30 | Unknown | Yes | dom_REASON |
| REASON2 | String | 30 | | No | dom_REASON |
| BLM_ORG_CD | String | 5 | OR000 | Yes * | dom_BLM_ORG_CD |
| FAC_ADMIN | String | 3 | UN | Yes | dom_JURIS_CODE |
| CLASSIFIER | String | 30 | | No | |
| PLANID | String | 100 | | No | dom_PLANID |
| INITIATIVE | String | 20 | | No | dom_INITIATIVE |
| INITIATIVE2 | String | 20 | | No | dom_INITIATIVE |
| BUDGET_CD | String | 50 | | No | |
| WORKAGENT | String | 40 | | No | dom_WORKAGENT |
| TRT_GUID | GUID | | | No | |
| FAMSKEY | String | 8 | | No | |
| RIPSKEY | String | 6 | | No | |
| CURRENT_CD | String | 1 | C | Yes | dom_CURRENT_CD |
| CARTO | String | 20 | | No | |
| GIS_MILES | Double | | | Yes * | |
| HGT_FT | Double | | | No | |
| ALTERNATIVE | String | 10 | | No | |
| ARCH_CLEAR | Date | | | No | |
| BOT_CLEAR | Date | | | No | |
| WILD_CLEAR | Date | | | No | |
| RADMETER | Double | | | No | |
| LOCAL_LINK | String | 30 | | No | |
| COORD_SRC | String | 7 | | No | dom_COORD_SRC |
| ACCURACY_FT | Short Integer | | | No | |
| FILEPATH | String | 150 | | No | |
| COMMENTS | String | 255 | | No | |
| STRCT_GUID | GUID | | | Yes * | |
| VERSION_NAME | String | 50 | InitialLoad | Yes *** | |
| GLOBALID | GUID | | | Yes * | |
| CREATE_BY | String | 50 | | No * | |
| CREATE_DATE | Date | | | No * | |

| Attribute Name | Data Type | Length | Default Value | Required | Domain |
|----------------|-----------|--------|---------------|----------|--------|
| MODIFY_BY | String | 50 | | No * | |
| MODIFY_DATE | Date | | | No * | |

* Values automatically generated

** Enforced during quality control, may appear in data as not required

*** Maintained through versioning tools, may appear not required in database

5 Projection and Spatial Extent

All feature classes and feature datasets are in Geographic, North American Datum 83. Units are decimal degrees. Spatial extent (area of coverage) includes all lands managed by the BLM in OR/WA, but it is not “wall-to-wall” and may cover only a small percentage of the total. Total coverage will not increase greatly over time. See the metadata for this dataset for more precise description of the extent.

6 Spatial Entity Characteristics

- STRCT_PT
 - Description: Instance of the Structures group.
 - Geometry: Simple point features.
 - Topology: No topology rules enforced.
 - Integration Requirements: None
- STRCT_ARC
 - Description: Instance of the Structures group.
 - Geometry: Simple line features.
 - Topology: No topology rules enforced.
 - Integration Requirements: None

7 Attribute Characteristics and Definition (In alphabetical order)

7.1 ACCURACY_FT

| | |
|--------------------------------|---|
| Geodatabase Name | ACCURACY_FT |
| BLM Structured Name | Accuracy_Feet_Measure |
| Inheritance | Not Inherited |
| Alias Name | Accuracy (ft) |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | 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 zero 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), and Digital Elevation Model (DEM)) because the accuracy is determined by that theme. However, if COORD_SRC is MAP (digitized from a paper map) or GPS, 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. |
| Required/Optional | Optional |
| Domain (Valid Values) | None. Examples: 3 (for high accuracy GPS), 40 (best possible for USGS 24K topo map), 200 |
| Data Type | Short Integer |

7.2 ALTERNATIVE

| | |
|--------------------------------|---|
| Geodatabase Name | ALTERNATIVE |
| BLM Structured Name | Alternative_Text |
| Inheritance | Inherited from entity Proposed Facility |
| Alias Name | Alternative |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Identifier for the alternative during the planning process (e.g., A, B, C, D, E). Free choice values for different plans, can be concatenated when same polygon applies to multiple alternatives (BCD, ACD, etc.) |
| Required/Optional | This field should not be used for records with a status of completed. |
| Domain (Valid Values) | Optional |
| Data Type | No domain. Examples: A, 1, B3, B3A1C |

7.3 ARCH_CLEAR

| | |
|--------------------------------|---|
| Geodatabase Name | ARCH_CLEAR |
| BLM Structured Name | Archaeological_Clearance_Date |
| Inheritance | Inherited from entity Proposed Facility |
| Alias Name | Archaeological Clearance Date |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Date the proposed treatment area received archaeological clearance. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 10/22/2009, 9/1/2001 |
| Data Type | Date |

7.4 BLM_ORG_CD

| | |
|--------------------------------|--|
| Geodatabase Name | BLM_ORG_CD |
| BLM Structured Name | Administrative_Unit_Organization_Code |
| Inheritance | Inherited from entity Facility |
| Alias Name | BLM Org Code |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | <p>A combination of the BLM administrative state and field office that has administrative responsibility for the spatial entity. This includes which office covers the entity for planning purposes and which office is the lead for GIS edits. Another agency or individual may have the physical management responsibility for the on-the-ground entity. This field applies particularly when a spatial entity crosses resource area or district boundaries, and the administrative responsibility is assigned to one or the other rather than splitting the spatial unit. Similarly, OR/WA BLM may have administrative responsibility over some area that is physically located in Nevada, Idaho, and California and vice versa. When appropriate, the office can be identified only to the district or state level rather than to the resource area level.</p> <p>This field is auto calculated on record creation. However, it can be changed to correct the value.</p> |
| Required/Optional | Required |
| Domain (Valid Values) | dom_BLM_ORG_CD |
| Data Type | String (5) |

7.5 BOT_CLEAR

| | |
|---------------------|---|
| Geodatabase Name | BOT_CLEAR |
| BLM Structured Name | Botanical_Clearance_Date |
| Inheritance | Inherited from entity Proposed Facility |

| | |
|--------------------------------|--|
| Alias Name | Botany Clearance Date |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Date the proposed treatment area received botanical clearance. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 10/22/2009, 9/1/2001 |
| Data Type | Date |

7.6 BUDGET_CD

| | |
|--------------------------------|---|
| Geodatabase Name | BUDGET_CD |
| BLM Structured Name | Funding_Program_Code |
| Inheritance | Inherited from entity Facility |
| Alias Name | Budget Code |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Primary funding program activity for a structure. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 1020, 1040, 1220, 1060MX |
| Data Type | String (50) |

7.7 CARTO

| | |
|--------------------------------|---|
| Geodatabase Name | CARTO |
| BLM Structured Name | Cartographic_Text |
| Inheritance | Not Inherited |
| Alias Name | Cartographic Text |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Free text field for each office to use as desired for cartographic (selection and display) purposes. Blanks and special characters not advised. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: Major, Minor, 1, 2, 3, Show, NoShow, and Private |
| Data Type | String (20) |

7.8 CLASSIFIER

| | |
|---------------------|-----------------|
| Geodatabase Name | CLASSIFIER |
| BLM Structured Name | Classifier_Name |
| Inheritance | Not Inherited |
| Alias Name | Classifier |

| | |
|--------------------------------|--|
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Name (mixed case, first and last) of the subject matter specialist most knowledgeable about the construction project (contact). Simple name of a person has been determined not to be a privacy issue, so these attribute values are published with the web-based downloadable data. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: Mary Smith, John Doe |
| Data Type | String (30) |

7.9 COMMENTS

| | |
|--------------------------------|---|
| Geodatabase Name | COMMENTS |
| BLM Structured Name | Comments_Text |
| Inheritance | Not Inherited |
| Alias Name | Comments |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Free text for comments about the structure. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. |
| Data Type | String (255) |

7.10 CONDITION

| | |
|--------------------------------|--|
| Geodatabase Name | CONDITION |
| BLM Structured Name | Physical_Condition_Code |
| Inheritance | Not Inherited |
| Alias Name | Condition |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | General physical condition of a structure. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_CONDITION |
| Data Type | String (20) |

7.11 COORD_SRC

| | |
|---------------------|------------------------|
| Geodatabase Name | COORD_SRC |
| BLM Structured Name | Coordinate_Source_Code |
| Inheritance | Not Inherited |
| Alias Name | Coordinate Source |

| | |
|--------------------------------|---|
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The actual source of the GIS coordinates for the features. Review lines copied from another theme that already have COORD_SRC. It may need to be changed for use in this dataset. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_COORD_SRC |
| Data Type | String (7) |

7.12 CREATE_BY

| | |
|--------------------------------|--|
| Geodatabase Name | CREATE_BY |
| BLM Structured Name | Record_Created_By_Text |
| Inheritance | Inherited from entity ODF |
| Alias Name | Created By |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | The BLM login ID of the person who entered the data. The default value for this field is UNK. This field is auto populated during editing. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: jdoe, msmith |
| Data Type | String (50) |

7.13 CREATE_DATE

| | |
|--------------------------------|---|
| Geodatabase Name | CREATE_DATE |
| BLM Structured Name | Record_Created_Date |
| Inheritance | Inherited from entity ODF |
| Alias Name | Created Date |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | The date the record was entered. The default value for this field is 1/1/8888. This field is auto populated during editing. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 1/5/1999, 10/15/2021 |
| Data Type | Date |

7.14 CURRENT_CD

| | |
|---------------------|----------------------|
| Geodatabase Name | CURRENT_CD |
| BLM Structured Name | Feature_Current_Code |
| Inheritance | Not Inherited |

| | |
|--------------------------------|---|
| Alias Name | Current |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Whether the structure is currently existing or historic. Only meaningful for existing structure feature classes, not applicable to proposed structure. Whether an entity is considered historic depends on the type of structure. Date/age does not determine this but whether the entity is now removed, obsolete, replaced, or erased in some sense. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_CURRENT_CD |
| Data Type | String (1) |

7.15 ELEVATION_FT

| | |
|--------------------------------|--|
| Geodatabase Name | EXAMPLE |
| BLM Structured Name | Elevation_Feet_Measure |
| Inheritance | Not Inherited |
| Alias Name | Elevation (ft) |
| Feature Class Use/Entity Table | STRCT_PT |
| Definition | Height of the ground above mean sea level. |
| Required/Optional | Optional |
| Domain (Valid Values) | No Domain. Examples: 3200, 425, 10067 |
| Data Type | Short Integer |

7.16 FAC_ADMIN

| | |
|--------------------------------|--|
| Geodatabase Name | FAC_ADMIN |
| BLM Structured Name | Facility_Administration_Code |
| Inheritance | Inherited from entity Existing Facility |
| Alias Name | Facility Admin |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Broad governmental or private organization with administrative responsibility for the structure. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_JURIS_CODE |
| Data Type | String (3) |

7.17 FAMSKEY

| | |
|--------------------------------|---|
| Geodatabase Name | FAMSKEY |
| BLM Structured Name | FAMS_Identifier |
| Inheritance | Inherited from entity Existing Facility |
| Alias Name | FAMS Key |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The FAMS equipment or asset number. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: L1512888, L1513406 |
| Data Type | String (8) |

7.18 FILEPATH

| | |
|--------------------------------|--|
| Geodatabase Name | FILEPATH |
| BLM Structured Name | Filename_Path_Text |
| Inheritance | Not Inherited |
| Alias Name | File Path |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Computer storage location for a photo file (e.g., jpg), Word document, spreadsheet or associated document. The value in this field serves as a hyperlink to that location and the file it opens. Could also be a directory or dataset that opens for further browsing (where multiple files are being referenced). |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain |
| Data Type | String (255) |

7.19 GIS_MILES

| | |
|--------------------------------|--|
| Geodatabase Name | GIS_MILES |
| BLM Structured Name | GIS_Miles_Measure |
| Inheritance | Not Inherited |
| Alias Name | GIS Miles |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Length of a linear feature in miles. Must be recalculated with every edit submission. The miles will be automatically calculated when the feature classes are published. The BLM_ORG_CD will be used to determine the appropriate projection. Values are automatically calculated. |
| Required/Optional | Required |

| | |
|-----------------------|------------|
| Domain (Valid Values) | No domain. |
| Data Type | Double |

7.20 GLOBALID

| | |
|--------------------------------|-------------------------------------|
| Geodatabase Name | GLOBALID |
| BLM Structured Name | Global_ID_Identifier |
| Inheritance | Inherited from entity ODF |
| Alias Name | None |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | System generated unique identifier. |
| Required/Optional | Required (automatically generated) |
| Domain (Valid Values) | No domain |
| Data Type | GUID |

7.21 HGT_FT

| | |
|--------------------------------|---|
| Geodatabase Name | HGT_FT |
| BLM Structured Name | Height_Feet_Measure |
| Inheritance | Not Inherited |
| Alias Name | Height (ft) |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The height of the structure measured in feet. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 2, 10, 15 |
| Data Type | Double |

7.22 INITIATIVE

| | |
|--------------------------------|---|
| Geodatabase Name | INITIATIVE |
| BLM Structured Name | Structure_Initiative_Name |
| Inheritance | Not Inherited |
| Alias Name | Initiative |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The first or primary initiative, priorities, or plan objective the structure falls under. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_INITIATIVE |

| | |
|-----------|-------------|
| Data Type | String (20) |
|-----------|-------------|

7.23 INITIATIVE2

| | |
|--------------------------------|--|
| Geodatabase Name | INITIATIVE2 |
| BLM Structured Name | Structure_Initiative_Two_Name |
| Inheritance | Not Inherited |
| Alias Name | Initiative 2 |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The second (if any) initiative, priorities, or plan objective the structure falls under. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_INITIATIVE |
| Data Type | String (20) |

7.24 LOCAL_LINK

| | |
|--------------------------------|---|
| Geodatabase Name | LOCAL_LINK |
| BLM Structured Name | Local_Database_Identifier |
| Inheritance | Not Inherited |
| Alias Name | Local Link |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | District legacy identifier or database link for a Structure (other than RIPS and NFPORS). |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: "127UB", "35-1", "4102" |
| Data Type | String (30) |

7.25 MAINT_DT

| | |
|--------------------------------|--|
| Geodatabase Name | MAINT_DT |
| BLM Structured Name | Structure_Last_Maintenance_Date |
| Inheritance | Not Inherited |
| Alias Name | Last Maintenance Date |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The last date maintenance or inspection was performed on the structure. Partial dates may be entered as MM/1/YYYY or 1/1/YYYY. The MAINT_DT_ACC (Date Accuracy) field should be updated to reflect the accuracy of the date. |
| Required/Optional | Optional |

| | |
|-----------------------|---|
| Domain (Valid Values) | No domain. Examples: 1/1/2018, 12/30/1999 |
| Data Type | Date |

7.26 MAINT_DT_ACC

| | |
|--------------------------------|--|
| Geodatabase Name | MAINT_DT_ACC |
| BLM Structured Name | Structure_Last_Maintenance_Date_Accuracy_Code |
| Inheritance | Not Inherited |
| Alias Name | Last Maint Date Accuracy |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Describes the accuracy of the MAINT_DT field. Required if a value has been recorded in the MAINT_DT field. |
| Required/Optional | Conditional |
| Domain (Valid Values) | dom_DT_ACC |
| Data Type | String (7) |

7.27 MODIFY_BY

| | |
|--------------------------------|--|
| Geodatabase Name | MODIFY_BY |
| BLM Structured Name | Record_Last_Modified_By_Text |
| Inheritance | Inherited from entity ODF |
| Alias Name | Modified By |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | The BLM login ID of the person who last edited the data. The default value for this field is UNK. This field is auto populated during editing. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: jdoe, msmith |
| Data Type | String (50) |

7.28 MODIFY_DATE

| | |
|--------------------------------|---|
| Geodatabase Name | MODIFY_DATE |
| BLM Structured Name | Record_Last_Modified_Date |
| Inheritance | Inherited from entity ODF |
| Alias Name | Modified Date |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | The date the record was last edited. The default value for this field is 1/1/8888. This field is auto populated during editing. |
| Required/Optional | Optional |

| | |
|-----------------------|---|
| Domain (Valid Values) | No domain. Examples: 1/5/1999, 10/15/2021 |
| Data Type | Date |

7.29 NHD_REACHCODE

| | |
|--------------------------------|--|
| Geodatabase Name | NHD_REACHCODE |
| BLM Structured Name | Example_Text |
| Inheritance | Not Inherited |
| Alias Name | NHD Reach Code |
| Feature Class Use/Entity Table | STRCT_PT |
| Definition | The 14-digit unique reach identifier assigned in the NHD. It is the linking field to the related physical water feature stored in the NHD. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain but must match the NHD reach code exactly. Examples: 17100309003866, 18010206003913 |
| Data Type | String (14) |

7.30 PLANID

| | |
|--------------------------------|--|
| Geodatabase Name | PLANID |
| BLM Structured Name | Plan_Name_Text |
| Inheritance | Inherited from entity Facility |
| Alias Name | Plan ID |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The official name/identifier for the plan or project authorizing the action. Provides link to project or planning area boundary polygon. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_PLANID |
| Data Type | String (100) |

7.31 PROJ_NAME

| | |
|--------------------------------|--|
| Geodatabase Name | PROJ_NAME |
| BLM Structured Name | Project_Name_Text |
| Inheritance | Not Inherited |
| Alias Name | Project Name |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | District-assigned name for a project that encompasses several structure types and/or structure features. It is not the same as the plan or project |

| | |
|-----------------------|--|
| | authorizing the action (PLANID,) and there may be many PROJ_NAME for one PLANID. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: Diamond Pipeline, Silvies Wildlife Habitat |
| Data Type | String (100) |

7.32 RADMETER

| | |
|--------------------------------|--|
| Geodatabase Name | RADMETER |
| BLM Structured Name | Buffer_Radius_Measure |
| Inheritance | Not Inherited |
| Alias Name | Buffer Radius (m) |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Buffer radius, if applicable, for creating an area from the structure point or line. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 5, 10.5 |
| Data Type | Double |

7.33 REASON

| | |
|--------------------------------|--|
| Geodatabase Name | REASON |
| BLM Structured Name | Primary_Reason_Benefiting_Resource_Text |
| Inheritance | Not Inherited |
| Alias Name | Reason |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The intended main or primary benefiting resource (“reason” for the structure). Consider only officially acknowledged and recognized benefits or reasons for a particular type of structure. Some choices are more general. Use the most specific choice. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_REASON |
| Data Type | String (30) |

7.34 REASON2

| | |
|---------------------|---|
| Geodatabase Name | REASON2 |
| BLM Structured Name | Secondary_Reason_Benefiting_Resource_Text |
| Inheritance | Not Inherited |

| | |
|--------------------------------|---|
| Alias Name | Reason 2 |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | A secondary benefiting resource (“reason” for the structure). Consider only officially acknowledged and recognized benefits or reasons for a particular type of structure. Some choices are more general. Use the most specific choice. |
| Required/Optional | Optional |
| Domain (Valid Values) | dom_REASON |
| Data Type | String (30) |

7.35 RIPSKEY

| | |
|--------------------------------|---|
| Geodatabase Name | RIPSKEY |
| BLM Structured Name | RIPS_Identifier |
| Inheritance | Inherited from entity Existing Facility |
| Alias Name | RIPS Key |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | RIPS Key, if applicable. Currently six characters, all digits, but this may change. Links to RIPS database application. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 716308, 716184, 004132 |
| Data Type | String (6) |

7.36 SIDEMETER

| | |
|--------------------------------|---|
| Geodatabase Name | SIDEMETER |
| BLM Structured Name | Side_Meter_Measure |
| Inheritance | Not Inherited |
| Alias Name | Side Measure (m) |
| Feature Class Use/Entity Table | STRCT_PT |
| Definition | Length in meters to either side of the point for creating a line from a point, if applicable. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 5, 10.5 |
| Data Type | Double |

7.37 STRCT_ARC_TYPE

| | |
|--------------------------------|------------------------------------|
| Geodatabase Name | STRCT_ARC_TYPE |
| BLM Structured Name | Structure_Line_Type_Text |
| Inheritance | Not Inherited |
| Alias Name | Structure Type |
| Feature Class Use/Entity Table | STRCT_ARC |
| Definition | The type of line structure. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_STRCT_ARC_TYPE |
| Data Type | String (30) |

7.38 STRCT_DT

| | |
|--------------------------------|---|
| Geodatabase Name | STRCT_DT |
| BLM Structured Name | Structure_Date |
| Inheritance | Not Inherited |
| Alias Name | Structure Date |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | For Completed structures, this is the date the structure was completed. For all other statuses, this is the planned starting date of the proposed structure. Partial dates may be entered as MM/1/YYYY or 1/1/YYYY. The STRCT_DT_ACC (Date Accuracy) field should be updated to reflect the accuracy of the date. |
| Required/Optional | Required |
| Domain (Valid Values) | No domain. Examples: 1/1/2018, 12/30/1999 |
| Data Type | Date |

7.39 STRCT_DT_ACC

| | |
|--------------------------------|---|
| Geodatabase Name | STRCT_DT_ACC |
| BLM Structured Name | Structure_Date_Accuracy_Code |
| Inheritance | Not Inherited |
| Alias Name | Structure Date Accuracy |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Describes the accuracy of the STRCT_DT field. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_DT_ACC |
| Data Type | String (7) |

7.40 STRCT_GUID

| | |
|--------------------------------|---|
| Geodatabase Name | STRCT_GUID |
| BLM Structured Name | Structures_Global_Unique_Identifier |
| Inheritance | Not Inherited |
| Alias Name | Structure Unique Identifier |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Unique number identifier for the structure entity. Automatically generated. |
| Required/Optional | Required |
| Domain (Valid Values) | No domain. |
| Data Type | GUID |

7.41 STRCT_MAT

| | |
|--------------------------------|--|
| Geodatabase Name | STRCT_MAT |
| BLM Structured Name | Structure_Materials_Text |
| Inheritance | Not Inherited |
| Alias Name | Materials |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Materials/methods used in the structure. Appropriate value depends on structure type. For example, materials used for road closure devices have standard values of Cable (for gates), Earth Berm, Boulder, Concrete, Guard Rail, Log, Brush Pile, and Living Vegetation. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain |
| Data Type | String (30) |

7.42 STRCT_NAME

| | |
|--------------------------------|---|
| Geodatabase Name | STRCT_NAME |
| BLM Structured Name | Structure_Name |
| Inheritance | Inherited from entity Facility |
| Alias Name | Name |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Free text name that identifies the structure, preferably with a place reference, and structure type reference. The name is one-to-one with STRCT_GUID and the two together provide stronger identification if neither is changed. Naming conventions need to be standardized by programs and offices and enforced to avoid confusion and loss of information. |
| Required/Optional | Required |

| | |
|-----------------------|--|
| Domain (Valid Values) | No domain. Examples: Leemann Pipeline, Hunter Ranch Fire Fence, Pass Creek Riparian Fence, High Horse Spring, Stonehouse Peak Cattleguard, Sand Valley Well, and Skidoo Spring Trough. |
| Data Type | String (40) |

7.43 STRCT_PT_TYPE

| | |
|--------------------------------|-----------------------------------|
| Geodatabase Name | STRCT_PT_TYPE |
| BLM Structured Name | Structure_Point_Type_Text |
| Inheritance | Not Inherited |
| Alias Name | Structure Type |
| Feature Class Use/Entity Table | STRCT_PT |
| Definition | Type of structure. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_STRCT_PT_TYPE |
| Data Type | String (30) |

7.44 STRCT_STATUS

| | |
|--------------------------------|---|
| Geodatabase Name | STRCT_STATUS |
| BLM Structured Name | Facility_Status_Code |
| Inheritance | Inherited from entity Proposed Facility |
| Alias Name | Status |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Status of the structure. |
| Required/Optional | Required |
| Domain (Valid Values) | dom_STATUS |
| Data Type | String (20) |

7.45 SYM_ROTATE

| | |
|--------------------------------|--|
| Geodatabase Name | SYM_ROTATE |
| BLM Structured Name | Symbol_Rotation_Degree_Number |
| Inheritance | Not Inherited |
| Alias Name | Symbol Rotation (deg) |
| Feature Class Use/Entity Table | STRCT_PT |
| Definition | This field defines the on-the-ground alignment of the structure, used for more accurate cartographic representation, if desired. |
| Required/Optional | Optional |

| | |
|-----------------------|----------------------------------|
| Domain (Valid Values) | dom_Degree0to359 |
| Data Type | Short Integer |

7.46 TRT_GUID

| | |
|--------------------------------|---|
| Geodatabase Name | TRT_GUID |
| BLM Structured Name | Treatments_Unique_Identifier |
| Inheritance | Not Inherited |
| Alias Name | Treatments Unique Identifier |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | The unique identifier for treatments. Links the structure to an associated treatment, if any. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain |
| Data Type | GUID |

7.47 VERSION_NAME

| | |
|--------------------------------|--|
| Geodatabase Name | VERSION_NAME |
| BLM Structured Name | Geodatabase_Version_Text |
| Inheritance | Inherited from entity ODF |
| Alias Name | Version Name |
| Feature Class Use/Entity Table | All feature classes and tables |
| Definition | <p>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.</p> <p>Name of the corporate geodatabase version previously used to edit the record.</p> <p>InitialLoad = feature has not been edited in ArcSDE.</p> <p>Format: username.XXX-mmdyy-hhmmss = version name of last edit (hours might be a single digit; leading zeros are trimmed for hours only). XXX=theme abbreviation.</p> |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain |
| Data Type | String (50) |

7.48 WILD_CLEAR

| | |
|--------------------------------|---|
| Geodatabase Name | WILD_CLEAR |
| BLM Structured Name | Wildlife_Clearance_Date |
| Inheritance | Inherited from entity Proposed Facility |
| Alias Name | Wildlife Clearance Date |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Date the proposed treatment area received wildlife clearance. |
| Required/Optional | Optional |
| Domain (Valid Values) | No domain. Examples: 10/22/2009, 9/1/2001 |
| Data Type | Date |

7.49 WORKAGENT

| | |
|--------------------------------|---|
| Geodatabase Name | WORKAGENT |
| BLM Structured Name | Workagent_Text |
| Inheritance | Inherited from entity Facility |
| Alias Name | Workagent |
| Feature Class Use/Entity Table | STRCT_PT, STRCT_ARC |
| Definition | Who did the work (or the type of procurement instrument). |
| Required/Optional | Required |
| Domain (Valid Values) | dom_WORKAGENT |
| Data Type | String (40) |

8 Publication Views

8.1 General

Master corporate feature classes/datasets maintained in the edit database are “published” to the user database in several ways:

- Copied completely with no changes (replicated).
- Copied with no changes except to omit one or more feature classes from a feature dataset.
- Minor changes made (e.g., clip, dissolve, union with ownership) to make the data easier to use. Feature classes that have been changed are indicated by “PUB” in their name. They are created through scripts that can be automatically executed and are easily rebuilt from the master data whenever necessary.

8.2 Specific to This Dataset

A publication dataset will be created for internal use where:

- The attribute VERSION_NAME removed because it has no meaning outside of the internal editing environment.
- Edit tracking fields (CREATE_BY, CREATE_DATE, MODIFY_BY, MODIFY_DATE) are removed.

A publication dataset will be created for external use where:

- The attribute VERSION_NAME removed because it has no meaning outside of the internal editing environment.
- Edit tracking fields (CREATE_BY, CREATE_DATE, MODIFY_BY, MODIFY_DATE) are removed.
- Attributes CLASSIFIER, FILEPATH, and COMMENTS are removed for privacy reasons.
- Only includes completed structures (STRCT_STATUS = “COMPLETED”)
- Privately only structures are removed ((FAC_ADMIN = PV, PVI or PVN).

8.3 Layer Files

Layer files are not new data requiring storage and maintenance but point to existing data. They have appropriate selection and symbolization for correct use and display of the data. They provide the guidance for data published on the web. Layer files are created by simple, documented processes, and can be deleted and recreated at any time.

Layer files created for Structures should either exclude “historic” (removed, obsolete) structures (CURRENT_CD = H) or display with different symbology.

9 Editing Procedures

9.1 Managing Overlap (General Guidance)

“Overlap” means there are potentially more than one feature in the same feature class that occupies the same space (“stacked” polygons). Depending on the query, acres will be double counted.

In this discussion, an area entity may consist of more than one polygon, and a line entity may consist of more than one arc. They would have multiple records in the spatial table (with identical attributes). Multi-part features are not allowed. Multi-part features are easily created inadvertently and not always easy to identify. If they are not consciously and consistently avoided, feature classes will end up with a mixture of single and multi-part features. Multi-part features can be more difficult to edit, query, and select, along with impacting overall performance.

Overlap is only allowed in the ODF in limited and controlled scenarios. In each case, the “cause” of the overlap (the attribute changes that “kick off” a new feature which may overlap an existing feature) is carefully defined and controlled. In other words, in feature classes that permit overlap for a change in spatial extent, there is always a new feature created which may overlap an existing feature, but in addition there are certain attribute(s) that will result in a new feature even if there is no spatial change. The feature classes (and the one feature dataset) that allow overlap, and the attributes that lead to a new, possibly overlapping feature, are described below.

9.1.1 Overlapping Points

Generally, these are allowed and do not cause a problem since points have no spatial extent. However, it is easy to inadvertently create more than one point making it important to search for and delete duplicates.

9.2 Editing Quality Control

Duplicate features. Checking for undesired duplicates is critical. Polygons or arcs that are 100% duplicate are easily found by searching for identical attributes along with identical Shape_Area and/or Shape_Length. Searching for partially overlapping arcs or polygons is harder, and each case must be inspected to determine if the overlap is desired or not.

To avoid overlapping polygons on the same area, polygons from different input themes are incorporated with the Union spatial overlay tool, not copied.

Union rather than Intersect is used to prevent unintended data loss.

Gap and overlap slivers. These can be hard to find if there are no topology rules. A temporary map topology can be created to find overlap slivers. Gap slivers can be found by constructing polygons from all arcs and checking polygons with very small area.

Buffer and dissolve considerations. Where polygons are created with the buffer tool, the correct option must be selected. The default option is “None,” which means overlap will be retained. Sometimes the overlap should be dissolved, and the option changed to “All.” Lines resulting from buffer have vertices too close together, especially around the end curves. They should be generalized to thin the vertices. If the dissolve tool is used on polygons or arcs, the “Create multipart features” should be unchecked.

GPS considerations. GPS linework is often messy and should always be checked and cleaned up as necessary. Often vertices need to be thinned (generalize) especially at line ends. Multi-part polygons are sometimes inadvertently created when GPS files with vertices too close together or crossing lines or spikes are brought into ArcGIS. Tiny, unwanted polygons are created but are “hidden” because they are in a multi-part.

Be careful when merging lines. Multi-part lines will be created if there are tiny unintentional (unknown) gaps, and it can be difficult to find these unless the multi-parts are exploded.

Null geometry. Check any features that have 0 or very small Shape_Area or Shape_Length. If a feature has 0 geometry and you can't zoom to it, it is probably an inadvertently created “Null” feature and should be deleted.

Very small features may also be unintended, resulting from messy line work.

Snapping considerations. Where line segments with different COORD_SRC meet, the most accurate or important (in terms of legal boundary representation) are kept unaltered, and other lines snapped to them. In general, the hierarchy of importance is PLSS (CadNSDI points/lines) first, with DLG or SOURCE next, then DEM, and MAP last. When snapping to the data indicated in COORD_SRC (as opposed to duplicating with copy/paste), be sure there are the same number of vertices in the target, and source theme arcs. When the DEF_FEATURE is “SUBDIVISION,” snap the line segment to PLSS points, and make sure there are the same number of vertices in the line as PLSS points.

Check that all date fields contain valid dates in MM/DD/YYYY format. If an attribute has a domain, check for invalid values. The values must be exact.

Check for capitalization and spacing differences in attribute values that should be the same. Check for leading or trailing blanks what will make a different value even if it looks identical.

9.3 Theme Specific Guidance

There is much in the data standard that addresses editing and provides guidance especially in the Data Management Protocols (Section 3).

Geodatabase attachments have been enabled for this theme in edit database. This allows for photos to be collected in the field on a mobile device and attached to the Structure record. However, when the collected data is finalized as corporate data, the attachments are removed from the edit environment and relocated to a network repository. The FILEPATH field in Sample Points will store the location of where the attachments of interest exist.

9.3.1 Calculation Data Rules

The following are a list of calculation rules that occur during editing. Calculation rules are used to automatically populate attributes in a field. These are in addition to the default values defined in Sections 4 and 7.

- STRCT_GUID - populate with a new GUID value on creation of a new record.
- STRCT_ARC - GIS Miles is auto-calculated when records are created or modified.
- BLM_ORG_CD – populated with the administrative unit that intersects with the centroid of the feature on record create. Can be overwritten if needed.
- CLASSIFIER – populated with the editors full name (as per active directory) on record create. For data collected using the sync and submit mobile workflow, the name of the person who collected the data on the mobile device is used. In both cases, the auto populated value can be overwritten if needed.

9.3.2 Constraint Data Rules

The following are a list of data constraint rules that are enforced during editing. Constraint rules specify allowable combinations of values between two or more fields in a record. They are used to ensure that specific conditions are met.

- If STRCT_STATUS = “Completed”, ALTERNATIVE must be null/empty.
- If MAINT_DT is not null, then MAINT_DT_ACC must be entered.

10 Abbreviations and Acronyms

Does not include abbreviations/acronyms used as codes for data attributes or domain values.

Table 2 Abbreviations/Acronyms Used

| Abbreviations | Descriptions |
|---------------|---|
| BLM | Bureau of Land Management |
| DEM | Digital Elevation Model |
| DOQ | Digital Orthophoto Quad |
| DRG | Digital Raster Graphic |
| FAMS | Facility Assets Management System |
| FOI | Forest Operations Inventory (Western Oregon districts) |
| FOIA | Freedom of Information Act |
| FPB | Fish Passage Barriers |
| GCD | Geographic Coordinate Database |
| GIS | Geographic Information System |
| GPS | Global Positioning System |
| GRA | Grazing Allotments and Pastures (OR/WA BLM GIS dataset) |
| IRDA | Interagency Restoration Database Application |
| NAD | North American Datum |
| NARA | National Archives and Records Administration |
| NEPA | National Environmental Protection Act |
| NHD | National Hydrography Database |
| NISIMS | National Invasive Species Information Management System |
| NFP | National Fire Plan |
| NFPORS | National Fire Plan Operations and Reporting System |
| ODF | Oregon Data Framework |
| OR/WA | Oregon/Washington BLM Administrative State |
| RIPS | Range Improvement Project System |
| RMIS | Recreation Management Information System |
| SCID | Stewardship Contracting Information Database |
| SDE | Spatial Data Engine |
| USGS | United States Geological Survey |

A Domains (Valid Values)

These are the domains at the time the data standard was approved. Domains can be changed without a re-issue of the data standard. Current domains are found on the internal OR/WA SharePoint data management page. Some of the domains used in this data standard are also available at the following web site:

<http://www.blm.gov/or/datamanagement/index.php>

For domains not listed at that site contact: contact the [State Data Administrator](#).

A.1 dom_BLM_ORG_CD

Administrative Unit Organization Code. Standard BLM organization codes generated from the national list. This is a subset of OR/WA administrative offices and those in other states that border.

This is a lengthy domain used by multiple datasets. For the full list of values go to:

https://gis.blm.gov/ORDownload/Domains/dom_BLM_ORG_CODE.xls

A.2 dom_CONDITION

Name of Code. Description of code

| Code | Description |
|----------------|----------------|
| Excellent | Excellent |
| Good | Good |
| Fair | Fair |
| Poor | Poor |
| Non-Functional | Non-Functional |
| Unknown | Unknown |

A.3 dom_COORD_SRC

Coordinate Source Code. The source of the geographic coordinates (lines, points, polygons).

| Code | Description |
|---------|---|
| CADNSDI | CADNSDI - Lines from or snapped to the CADNSDI dataset |
| CFF | CFF - Lines duplicated or buffered from Cartographic Feature Files (USFS) |
| DEM | DEM - Digital Elevation Model (30m or better accuracy) used for creation of contours |
| DGPS | DGPS - Feature obtained from a Global Positioning System device with Real Time Correction (SBAS) |
| DIS | DIS - Lines generated to connect discontinuous features |
| DLG | DLG - Lines duplicated or buffered from (24K scale accuracy) USGS Digital Line Graphs |
| DOQ | DOQ - Screen digitized linework over digital orthophotography backdrop (DOQ, NAIP, OSIP, or others) |
| DRG | DRG - Screen digitized linework over Digital Raster Graphic backdrop |
| GCD | GCD - Lines snapped to Geographic Coordinate Database Points |

| Code | Description |
|---------|---|
| GPS | GPS - Lines obtained from a Global Positioning System device |
| IMG | IMG - Linework derived from interpretation of satellite or other non-photographic imagery |
| LiDAR | LiDAR - LiDAR points, lines, or polygons generated through interpretation or analysis. |
| MAP | MAP - Digitized coordinates from hardcopy map or onto a map backdrop |
| MTP | MTP - Lines duplicated from Digital Master Title Plat |
| SOURCEL | SOURCEL - Coordinates duplicated from a BLM GIS source layer. |
| SOURCEX | SOURCEX - Source Layer from non-BLM GIS |
| SRV | SRV - Survey methods were used to create the linework (e.g., COGO) |
| TIGER | TIGER - Tiger Data |
| TRS | TRS - Coordinates only given as a legal description (township, range, section) |
| UNK | UNK - Unknown coordinate source |
| WOD | WOD - WODDB Photogrammetric |

A.4 dom_CURRENT_CD

Feature Current Code. Whether the entity is now removed, obsolete, replaced or erased in some sense. Has also been known as Treatment Current Code, Structure Current Code.

| Code | Description |
|------|---|
| C | C - Current |
| H | H - Historic |
| N | N - Not applicable, entity still proposed |

A.5 dom_Degree0to359

Degrees (0 to 359). A short integer range domain which defines direction in degrees.

A.6 dom_DT_ACC

Date Accuracy Code. Describes the accuracy of a date field.

| Code | Description |
|---------|---|
| Day | Day - Only the exact day, month, and year is known. |
| Month | Month - Only the exact month and year is known. |
| Year | Year - Only the exact year is known. |
| Unknown | Unknown - The accuracy of the date is unknown |

A.7 dom_INITIATIVE

Initiative Name. The initiative, priorities, or plan objective the activity falls under.

| Code | Description |
|------|--|
| ARRA | ARRA - American Recovery and Reinvestment Act of 2009 |
| BARR | BARR - Burned Area Rehabilitation and Restoration |
| CWPP | CWPP - Community Wildfire Protection Plan |
| CWWR | CWWR - Clean Water and Watershed Restoration |
| ESR | ESR - Emergency Stabilization and Rehabilitation |
| HFI | HFI - Healthy Forests Initiative |
| HFR | HFR - Hazardous Fuels Reduction |
| HLI | HLI - Healthy Lands Initiative |
| JFS | JFS - Joint Fire Science |
| PIPE | PIPE - Pipeline Initiative to aid timber sale readiness. |
| RCIS | RCIS - Recession Act |
| SRSA | SRSA - Secure Rural Schools Act |
| STEW | STEW - Stewardship Contracting |
| WUI | WUI - Wildland Urban Interface |

A.8 dom_JURIS_CODE

Jurisdiction Organization Code. Management entity that has administrative responsibilities or jurisdiction for a geographic location.

| Code | Description |
|------|--|
| BL | BL - Bureau of Land Management |
| BP | BP - Bonneville Power Administration |
| BR | BR - Bureau of Reclamation |
| CE | CE - Corps of Engineers |
| CG | CG - U.S. Coast Guard |
| DA | DA - U.S. Dept. of Agriculture (Except the Forest Service) |
| DD | DD - U.S. Dept. of Defense (Except the Corps of Engineers) |
| FA | FA - Federal Aviation Administration |
| FC | FC - Federal Energy Regulatory Commission |
| FS | FS - U.S. Forest Service |
| FW | FW - U.S. Fish and Wildlife Service |
| GS | GS - U.S. Geological Survey |
| GSA | GSA - General Services Administration |
| IA | IA - Bureau of Indian Affairs and Tribal Units |

| Code | Description |
|------|---------------------------------------|
| LG | LG - Local Government |
| NP | NP - National Park Service |
| PV | PV - Private Lands |
| PVI | PVI - Private, Industrial |
| PVN | PVN - Private, NonIndustrial |
| PVU | PVU - Private, Urban |
| SDT | SDT - State Transportation Department |
| ST | ST - State Managed Lands |
| STF | STF - State Forests |
| STL | STL - State Division of Lands |
| STP | STP - State Parks |
| STW | STW - State Wildlife Refuges |
| UN | UN - Undetermined |

A.9 dom_PLANID

Plan Name Text. The Plan Name Text refers to the official name for the plan or project. This is a lengthy list of domain values. The domain is available at the following web location: <https://www.blm.gov/site-page/oregon-data-management>

A.10 dom_REASON

Reason or Benefit Code. Reason for or benefit from an action.

| Code | Description |
|--------------------------------|--|
| Access | Access - Road rights limit ability to obtain legal access to certain units or portions of units. |
| Administration | Administration - Administration |
| Aspen | Aspen - Action protects or improves health of Aspen |
| Bald Eagle | Bald Eagle - Action benefits Bald Eagle |
| Biomass Value | Biomass Value - Commodity production |
| Birds-General | Birds-General - Habitat improve, restore or protect |
| Communication | Communication - Communication Towers and Relays |
| Contract Default/Buyback/other | Contract Default/Buyback/other |
| Cultural | Cultural - Protection of cultural resources |
| EDRR | EDRR - Early Detection Rapid Response |
| Fire Rehab | Fire Rehab - Restoration after fire |
| Fish-General | Fish-General - Habitat improve, restore or protect |

| Code | Description |
|-------------------------------|---|
| Forest Regeneration | Forest Regeneration - Action to improve, restore, or protect the establishment of a forest stand. |
| Forest Stand | Forest Stand - Improve, restore or protect an established/accepted forest stand. |
| Fuels Reduction | Fuels Reduction - Ladder, Surface, Canopy |
| Green Tree Retention | Green Tree Retention - Retain trees to provide for various long-term ecological functions. |
| Human Safety | Human Safety - Health and safety measures |
| Invasives Control | Invasives Control - Remove or contain invasive species. Weed control must be entered into NISIMS first. |
| Livestock | Livestock - Commodity production |
| Log Value | Log Value - Commodity production |
| MAMU | MAMU - Marbled Murrelet habitat improve, restore, or protect. |
| Mineral Activity | Mineral Activity |
| Mngt Dec/Agreement/Settlement | Mngt Dec/Agreement/Settlement |
| NSO | NSO - Northern Spotted Owl habitat improve, restore, or protect. |
| Operations | Operations - Harvest operation limitations prevent reaching certain units or portions of units. |
| Post-Treat Cleanup | Post-Treat Cleanup - Pile, Burn |
| Pre-Treat Prep | Pre-Treat Prep - Soil/site preparation |
| Rangeland Veg | Rangeland Veg - Improve, restore or protect |
| Recreation Use | Recreation Use - Manage or enhance recreation use |
| Research | Research - Study area |
| Restore Forest Growth | Restore Forest Growth - Actions such as late precommercial thin to improve growth of a forest stand. |
| Riparian Veg | Riparian Veg - Improve, restore or protect |
| Road Access Restriction | Road Access Restriction - Road or Trail closure or blockage |
| Sage-grouse | Sage-grouse - Action benefits Sage-grouse |
| Salvage Harvest | Salvage Harvest - Removal of dead, dying, or damaged trees |
| Sensitive Fish | Sensitive Fish - Protect or improve specific fish populations or habitat |
| Sensitive Plants | Sensitive Plants - Protect or improve specific plant populations or habitat |
| Sensitive Species | Sensitive Species - Habitat improve, restore, protect. |
| Slope Stability | Slope Stability - Erosion control |
| Soils | Soils - Protect or improve soils. |
| Stand Conversion | Stand Conversion - Conversion of hardwoods or non-commercial species to a commercial forest stand. |
| Stocking Stand Condition | Stocking Stand Condition - Forest conditions do not meet required tree stocking levels. |
| Streambank Stability | Streambank Stability - Erosion control |

| Code | Description |
|------------------------|--|
| Tree Disease | Tree Disease - Action to limit the spread or define the extent of a particular tree disease. |
| Unknown | Unknown - Reason for the action or benefiting resource not specifically identified. |
| Utility Infrastructure | Utility Infrastructure - Utility Infrastructure |
| Water Quality | Water Quality - Watershed improve, restore or protect |
| Water Use | Water Use - Water source and flow management |
| Wetlands | Wetlands - Improve, restore or protect |
| Wilderness Character | Wilderness Character - Protection measure |
| Wildhorses | Wildhorses - Action benefits Wildhorses or Burros. |
| Wildlife-General | Wildlife-General - Habitat improve, restore or protect |

A.11 dom_STATUS

Facility Status Code. The status of a proposed facility, structure, or application. Values listed in most likely order of process.

| Code | Description |
|--------------|--|
| Initial | Initial - Pre-application or scoping, action not yet started |
| Pending | Pending - Active proposal, application filed |
| Suspended | Suspended - Activity halted |
| Rejected | Rejected - Considered by BLM and found unsuitable |
| Relinquished | Relinquished - Proposal relinquished by the proponent |
| Closed | Closed - Realty case closed; proposal expired |
| Completed | Completed - Completed facility, structure, or application. |

A.12 dom_STRCT_ARC_TYPE

Structure Arc Type Code. Type of linear constructed feature.

| Code | Description |
|---------------------|--|
| Barrier | Barrier - Obstacle intended to restrict vehicles |
| Dike | Dike |
| Ditch | Ditch |
| Fence | Fence |
| Fence (Drift) | Fence (Drift) |
| Fence (Reconstruct) | Fence (Reconstruct) - Proposal to reconstruct |
| Fence (Remove) | Fence (Remove) - Proposal to remove |
| Fence (Snow) | Fence (Snow) |

| Code | Description |
|------------------------|--|
| Firebreak (Perm) | Firebreak (Perm) - Firebreak Permanent |
| Firebreak (Temp) | Firebreak (Temp) - Firebreak Temporary |
| Other | Other |
| Phoneline | Phoneline - Includes fiber optic |
| Pipeline (Gas) | Pipeline (Gas) |
| Pipeline (Geothermal) | Pipeline (Geothermal) |
| Pipeline (Oil and Gas) | Pipeline (Oil and Gas) |
| Pipeline (Reconstruct) | Pipeline (Reconstruct) - Proposal to reconstruct |
| Pipeline (Water) | Pipeline (Water) |
| Powerline | Powerline |
| Unknown | Unknown |

A.13 dom_STRCT_PT_TYPE

Structure Point Type Code. Type of point constructed feature.

| Code | Description |
|----------------------------|--|
| Airport | Airport |
| Airstrip | Airstrip - Small, fixed wing |
| Amphitheatre (Fire Circle) | Amphitheatre (Fire Circle) |
| Bat Grate | Bat Grate - or bat gate |
| Bench | Bench |
| Boat Ramp | Boat Ramp |
| Bridge | Bridge |
| Building (Hospital) | Building (Hospital) |
| Building (Occupied) | Building (Occupied) - Other than offices, schools, and hospitals |
| Building (Office) | Building (Office) |
| Building (School) | Building (School) |
| Building (Unoccupied) | Building (Unoccupied) |
| Bulkhead | Bulkhead - Bulkhead or Wall |
| Buoy | Buoy - An anchored float for mooring or marking hazards |
| Cascades | Cascades |
| Cattleguard | Cattleguard |
| Cattleguard (Reconstruct) | Cattleguard (Reconstruct) - Proposal to reconstruct |
| Cattleguard (Remove) | Cattleguard (Remove) - Proposal to remove |
| Corral | Corral |
| Culvert | Culvert |

| Code | Description |
|----------------------------|---|
| Culvert (Reconstruct) | Culvert (Reconstruct) - Proposal to reconstruct |
| Culvert (Remove) | Culvert (Remove) - Proposal to remove |
| Dam | Dam - Barrier across a watercourse |
| Erosion Structure | Erosion Structure - Streambank, head cut, or slope stabilization |
| Fee Station | Fee Station |
| Fence (Gate) | Fence (Gate) |
| Fence (Tie) | Fence (Tie) - Crib, rock, jack, rim, tree |
| Fire Guard Station | Fire Guard Station |
| Fire Ring | Fire Ring |
| Fish Cleaning Station | Fish Cleaning Station |
| Fish Ladder | Fish Ladder |
| Fish Screen | Fish Screen |
| Fuel Tank | Fuel Tank |
| Gas Fixture | Gas Fixture - Propane tank, meter, or valve |
| Gate (Locked) | Gate (Locked) - A locked road gate |
| Gate (Pedestrian) | Gate (Pedestrian) |
| Gate (Seasonal) | Gate (Seasonal) - A road gate locked seasonally |
| Gate (Unlocked) | Gate (Unlocked) - An unlocked road gate |
| Greywater Sump | Greywater Sump |
| Guzzler | Guzzler |
| Guzzler (Reconstruct) | Guzzler (Reconstruct) - Proposal to reconstruct |
| Guzzler (Remove) | Guzzler (Remove) - Proposal to remove |
| Heliport | Heliport |
| Helispot | Helispot |
| Hitching Post or Rail | Hitching Post or Rail |
| Instream Material | Instream Material - Boulders, large woody debris, and/or gravel (see STRCT_MAT) |
| Instream Material (Remove) | Instream Material (Remove) - see STRCT_MAT for type of material |
| Locale | Locale - A place not just a building and not necessarily with buildings |
| Mine (Active) | Mine (Active) |
| Mine (Historic) | Mine (Historic) |
| Mineral Pit or Pile | Mineral Pit or Pile |
| Nest Platform | Nest Platform |
| Other | Other |
| Permit Box | Permit Box - non-fee |
| Picnic Table | Picnic Table |

| Code | Description |
|-------------------------------|---|
| Playing Field or Structure | Playing Field or Structure |
| Power Fixture | Power Fixture - Pole, transformer, box, and/or hookup |
| Pumphouse | Pumphouse |
| Refuse Container | Refuse Container |
| Reservoir | Reservoir - Includes ponds |
| Reservoir (Reconstruct) | Reservoir (Reconstruct) - Proposal to reconstruct |
| Reservoir (Remove) | Reservoir (Remove) - Proposal to remove |
| Retaining Wall | Retaining Wall |
| Road Barrier | Road Barrier - Road or Trail blocked by a human placed barrier or naturally occurring vegetation excluding gates or signs |
| Sediment Trap | Sediment Trap - Includes silt basins |
| Sewer or Septic | Sewer or Septic |
| Shelter | Shelter |
| Slash Pile | Slash Pile - Wood or other debris pile |
| Spring Development | Spring Development |
| Spring Development (Reconstr) | Spring Development (Reconstr) - Proposal to reconstruct |
| Spring Development (Remove) | Spring Development (Remove) - Proposal to remove |
| Staging or Parking Area | Staging or Parking Area |
| Stairs or Steps | Stairs or Steps |
| Tent Pad | Tent Pad |
| Tide Gate | Tide Gate - A gate through which water flows when the tide is in one direction and that closes automatically when the tide is in the opposite direction |
| Toilet | Toilet |
| Tower (Communication) | Tower (Communication) - Includes repeaters |
| Tower (Fire Lookout) | Tower (Fire Lookout) |
| Tower (Lighthouse) | Tower (Lighthouse) |
| Tower (Wind) | Tower (Wind) |
| Town | Town |
| Trough | Trough |
| Trough (Reconstruct) | Trough (Reconstruct) - Proposal to reconstruct |
| Trough (Remove) | Trough (Remove) - Proposal to remove |
| Unknown | Unknown |
| Utility Pole | Utility Pole |
| Viewing Platform | Viewing Platform |
| Water Diversion | Water Diversion |
| Water Fixture | Water Fixture - Vent, valve, spigot, pump, or hookup |

| Code | Description |
|-------------------------|--|
| Water Ford (Armored) | Water Ford (Armored) - A hardened improved water crossing |
| Water Ford (Natural) | Water Ford (Natural) - A natural unimproved water crossing |
| Water Tank | Water Tank |
| Waterfall | Waterfall |
| Waterhole | Waterhole - Includes dugouts |
| Waterhole (Reconstruct) | Waterhole (Reconstruct) - Proposal to reconstruct |
| Weather Station | Weather Station - RAWS |
| Weir Sill | Weir Sill - Feature built across a stream to raise its level |
| Well (Geothermal) | Well (Geothermal) |
| Well (Monitoring) | Well (Monitoring) |
| Well (Oil and Gas) | Well (Oil and Gas) |
| Well (Piezometer) | Well (Piezometer) |
| Well (Reconstruct) | Well (Reconstruct) - Proposal to reconstruct |
| Well (Water) | Well (Water) |

A.14 dom_WORKAGENT

Workagent Code. Who did the work (or the type of procurement instrument).

| Code | Description |
|-------------------------------------|---|
| Assistance Agreement | Assistance Agreement |
| Coop Agreement | Coop Agreement - ODFW, ODA, County, etc. |
| Federal Labor | Federal Labor |
| GNA | GNA - Good Neighbor Agreement |
| Grantee | Grantee |
| IDIQ Contract | IDIQ Contract - Non-stewardship |
| Landowner | Landowner |
| Micro-Purchase | Micro-Purchase - Check or Credit Card limited amount purchase |
| Permittee | Permittee |
| Purchase Order | Purchase Order |
| Service Contract | Service Contract |
| Service Contract Time and Materials | Service Contract Time and Materials |
| Stewardship Contract | Stewardship Contract |
| Timber Sale | Timber Sale |
| Unknown | Unknown |
| Volunteer | Volunteer |