Oregon/Washington Bureau of Land Management



MINERAL ACTIVITIES

Spatial Data Standard



Gold Mining Equipment, Baker Field Office, Vale District Photo taken by Greta Krost, BLM, on August 23, 2023

Document Revisions

Revision	Date	Author	Description	Affected Pages
1.0	01/04/2017	Timothy Barnes, Bryant Mecklem, Eric Hiebenthal, Nicholas Kovac	1st released version.	All
1.1	05/15/2017	Bryant Mecklem	Updates to released version	8
1.1	05/27/2017	Eric Hiebenthal	Updated format, added BLM shield and checked spelling.	All.
1.1	9/12/2017	Eric Hiebenthal	Changed structure name for Min_Acty_Name. Reordered attributes in section 7.	25-26
1.2	4/7/2019	Al Thompson	Format and edit in new format	All
1.3	5/24/2019	Shelley Moore	Updated standard based on input from District geologists	All
1.4	1/23/2020	Al Thompson	Format and edit in new format.	All
1.5	3/4/2020	Al Thompson	Reconcile changes from 1.2 and 1.3. Reformat	All
1.7	5/07/2020	Roger Mills	Correct Geodatabase Name for CREATED_USER	30
2.0	3/13/2025	Shelley Moore, Greta Krost, Dana Baker- Allum	Significant updates to the entire geospatial data standard. Project data elements were pulled into a project area polygon. Disturbance features were expanded to include line and points. Related tables were created to capture field inspections. LR2000 terminology was replaced with MLRS terminology. MLRS data elements were pulled from the geospatial data and replaced with a regular data push from MLRS.	All Pages

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 <u>underline</u>.

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.

Contents

1.1 Roles and Responsibilities 7 1.2 FOIA Category 8 1.3 Records Retention Schedule 8 1.4 Security/Access/Sensitivity 9 1.5 Keywords 9 1.6 Subject Function Codes 9 1.6 Subject Function Codes 9 2 Dataset Overview 10 2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17	1	Gene	ral Information7
1.2 FOIA Category		1.1	Roles and Responsibilities7
1.3 Records Retention Schedule		1.2	FOIA Category
1.4 Security/Access/Sensitivity 9 1.5 Keywords 9 1.6 Subject Function Codes 9 2 Dataset Overview 10 2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 4 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activity MLRS Project Area Table 17 4.2 Mineral Activities Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Class (Mineral Activities Project Area Polyg		1.3	Records Retention Schedule8
1.5 Keywords 9 1.6 Subject Function Codes 9 2 Dataset Overview 10 2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.2 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activitites Feature Class (Mineral Activities Project Area Polyg		1.4	Security/Access/Sensitivity9
1.6 Subject Function Codes 9 2 Dataset Overview 10 2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 16 4.1 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Dataset 17 4.3 Mineral Activities Feature Dataset		1.5	Keywords9
2 Dataset Overview 10 2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 4.4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activities Feature Classe (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classe (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Classe (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Class (Mineral Activities Polygons) 17 4.4 Mineral Activit		1.6	Subject Function Codes9
2.1 Usage 10 2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_POLY_MERS_POLY Feature Class (Mineral Activities Project Area Polygons) 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Poly	2	Datas	set Overview
2.2 Sponsor/Affected Parties 10 2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.2 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Class (Mineral Activities Poly		2.1	Usage
2.3 Relationship to Other Datasets, Databases, or Files 10 2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4.4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Classes (Mineral Activities Polygons) 18 4.4.1 MI		2.2	Sponsor/Affected Parties
2.4 Data Category/Architecture Link 12 2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 18 4.4.1 MIN_ACTY_POJAREA_POLY Feature Class (Mineral Activities Project Area Polygons) 18 4.4.2 MIN_ACTY_POJAREA_POLY Feature Class (Mineral Activities Polygons) 18 4.4.3 MIN_ACTY_POJAREA_POLY Feature Class (Mineral Activ		2.3	Relationship to Other Datasets, Databases, or Files10
2.5 Relationship to DOI Enterprise Architecture Data Resource Mode 13 3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.1 Mineral Activity MLRS Project Area Table 17 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_PROJY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_PT Feature Class (Mineral Activities Polygon) 18 4		2.4	Data Category/Architecture Link12
3 Data Management Protocols 14 3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.1 Mineral Activity MLRS Project Area Table 17 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Class (Mineral Activities Project Area Polygons) 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.3 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 20		2.5	Relationship to DOI Enterprise Architecture Data Resource Mode13
3.1 Accuracy Requirements 14 3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.3 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Polygon Inspection Table) 20 4.5 Mineral Activities Tables 21	3	Data	Management Protocols
3.2 Collection, Input, and Maintenance Protocols 14 3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.4 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Classes (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.3 MIN_ACTY_POLY_INSPECT_TBL Table		3.1	Accuracy Requirements14
3.3 Update Frequency and Archival Protocols 14 3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1 Mineral Activity MLRS Project Area Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.4 Mineral Activities Feature Classes 17 4.4 Mineral Activities Feature Classes 17 4.4 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Lines) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Tabl		3.2	Collection, Input, and Maintenance Protocols14
3.4 Statewide Monitoring 14 4 Mineral Activity Schema (simplified) 16 4.1 Mineral Activity MLRS Project Area Feature Class 16 4.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2 Mineral Activity MLRS Project Area Table 17 4.3 Mineral Activities Feature Classes 17 4.3 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset 18 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Lines) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Lines) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21		3.3	Update Frequency and Archival Protocols14
4 Mineral Activity Schema (simplified)		3.4	Statewide Monitoring14
4.1 Mineral Activity MLRS Project Area Feature Class. 16 4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons). 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons). 17 4.3 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Classes 17 4.3 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons). 17 4.4 Mineral Activities Feature Dataset. 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons). 19 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Lines) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22	4	Mine	ral Activity Schema (simplified)16
4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons) 16 4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Lines) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Polygon Inspection Table) 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 23		4.1	Mineral Activity MLRS Project Area Feature Class16
4.2 Mineral Activity MLRS Project Area Table 17 4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons) 17 4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Lines) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Polygons) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 23			4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons)
4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons)		4.2	Mineral Activity MLRS Project Area Table17
4.3 Mineral Activities Feature Classes 17 4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Lines) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22			4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons)17
4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons) 17 4.4 Mineral Activities Feature Dataset. 18 4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons) 18 4.4.2 MIN_ACTY_PARC Feature Class (Mineral Activities Lines) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Points) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 23		4.3	Mineral Activities Feature Classes17
4.4 Mineral Activities Feature Dataset			4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons)
4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons)		4.4	Mineral Activities Feature Dataset18
4.4.2 MIN_ACTY_ARC Feature Class (Mineral Activities Lines) 19 4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Points) 20 4.5 Mineral Activities Tables 21 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table) 21 4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 22 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 23			4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons)
4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Points)			4.4.2 MIN_ACTY_ARC Feature Class (Mineral Activities Lines)
 4.5 Mineral Activities Tables			4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Points)
 4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table)		4.5	Mineral Activities Tables21
4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table) 4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table) 23			4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table)
4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table)			4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table)
			4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table)

	4.6	Relationship Classes	23
		4.6.1 rel_MIN_ACTY_MLRS_ACCOUNT_TBL	23
		4.6.2 rel_MIN_ACTY_POLY_INSPECT_TBL	24
		4.6.3 rel_MIN_ACTY_ARC_INSPECT_TBL	24
		4.6.4 rel_MIN_ACTY_PT_INSPECT_TBL	24
5	Proje	ction and Spatial Extent	25
6	Spatia	al Entity Characteristics	25
7	Attrik	bute Characteristics and Definition (In alphabetical order)	27
	7.1	ACCOUNT_NAME	27
	7.2	ACCOUNT_RELATIONSHIP	27
	7.3	ACCURACY_FT	27
	7.4	BLM_ORG_CD	28
	7.5	CASE_DISP	29
	7.6	CASE_GROUP	29
	7.7	CASEFILE	30
	7.8	CASETP	31
	7.9	CHEMICAL_CLEANED	31
	7.10	CLASSIFIER	32
	7.11	COMMENTS	32
	7.12	COMMODITY	33
	7.13	COMPLIANCE	33
	7.14	COORD_SRC	33
	7.15	CREATE_BY	34
	7.16	CREATE_DATE	34
	7.17	CSE_NR	35
	7.18	DISPOSITION_DT	35
	7.19	DISTURB_STATUS	36
	7.20	EXPIRATION_DT	36
	7.21	JURIS_CODE	36
	7.22	FACILITY_REMOVED	
	7.23	FEATURE	
	7.24	FEATURE_HEIGHT_FT	38
	7.25	FILEPATH	38
	7.26	GIS_ACRES	38
	7.27	GIS_MILES	39
	7.28	GLOBALID	40
	7.29	LASTVISIT_DT	40
	7.30	MIN_ACTY_GUID	41

	7.31	MIN_ACTY_INSPECT_GUID	41
	7.32	MODIFY_BY	41
	7.33	MODIFY_DATE	42
	7.34	PLANID	42
	7.35	PROJ_CONTACT	43
	7.36	PROJ_NAME	43
	7.37	PROJ_SUBUNIT_NAME	43
	7.38	RECLAIM_EARTH	44
	7.39	RECLAIM_VEG	44
	7.40	RECLAIM_WEED	45
	7.41	SITE_RECLAIM_STATUS	45
	7.42	VERSION_NAME	45
	7.43	WELL_NUM	46
8	Publica	tion Views	48
	8.1	General	48
	8.2	Publication Datasets	48
		8.2.1 MIN_ACTY_PROJ_AREA_PUB_POLY (Mineral Activities Project Area Publication Polygons)	49
		8.2.2 MIN_ACTY_MLRS_ACCOUNT_TBL	49
		8.2.3 rel_MIN_ACTY_MLRS_ACCOUNT_PUB_TBL	50
	8.3	Theme Specific Guidance	50
	8.4	Layer Files	50
9	Editing	Procedures	51
	9.1	Managing Overlap (General Guidance)	51
		9.1.1 Overlapping features	51
	9.2	Editing Quality Control	51
	9.3	Theme Specific Guidance	52
		9.3.1 Attribute Data Rules	52
	9.4	Vertical Integration	54
10	Abbrev	iations and Acronyms	55
A	Domair	s (Valid Values)	56
	A.1	dom_BLM_ORG_CD	56
	A.2	dom_COORD_SRC	56
	A.3	dom_JURIS_CODE	57
	A.4	dom_MIN_ACTY_CHEM_CLEANED	58
	A.5	dom_MIN_ACTY_COMPLIANT	58
	A.6	dom_MIN_ACTY_DISTURB_STATUS	58
	A.7	dom_MIN_ACTY_FACILITY_REMOVED	58
	A.8	dom_MIN_ACTY_FTR_AREA	59
13 2025		Minoral Activitias	5

A.9	dom_MIN_ACTY_FTR_LINE	59
A.10	dom_MIN_ACTY_FTR_PT	60
A.11	dom_MIN_ACTY_MLRS_ACCOUNT_CD	61
A.12	dom_MIN_ACTY_MLRS_CASE_DISP	62
A.13	dom_MIN_ACTY_MLRS_CASE_GROUP	63
A.14	dom_MIN_ACTY_MLRS_CASE_TYPE	63
A.15	dom_MIN_ACTY_MLRS_COMMODITY_CD	69
A.16	dom_MIN_ACTY_RECLAIM_STATUS	79
A.17	dom_MIN_ACTY_RECLAIM_WEED	79
A.18	dom_PLANID	79

1 General Information

The mineral activities data represents the spatial location and information about OR/WA BLM's mineral facilities and mining disturbances (where mining/mineral operations have disturbed the surface of the earth) on federal estate, including split estate. These locations may identify sites of mining activities (saleable, leasable, and locatable mining disturbances) such as open pit mine operations, construction of mine portals, or construction and development of facilities or structures intended to support mineral operations. Mineral activities data will be associated with a record in the national BLM Mineral and Land Records System (MLRS) when a matching case number can be determined.

The mineral activities dataset consists of the following geodatabase elements:

- Dataset (Theme) Name:
 - Mineral Activities (MIN_ACTY)
- Datasets (Feature Classes and Tables):
 - MIN_ACTY_PROJ_AREA_POLY
 - MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
 - MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
- Datasets (MLRS Feature Classes and Tables):
 - MIN_ACTY_MLRS_POLY
 - MIN_ACTY_MLRS_ACCOUNT_TBL

These geodatabase elements can be defined in three broad categories: 1) project areas, 2) mining or mineral surface disturbance and 3) the inspection of mineral activity.

Project areas represent the general on-the-ground area where mineral activity is occurring. The project area is
often submitted to the BLM by the operator of the mineral activity. Project areas do not represent a surveyed
boundary but rather an approximate location of a project area within a mining claim (Plans of Operation or
Notices of Intent), mineral disposals (e.g., free use permits, community pits, and mineral materials sales), or
mineral leases (e.g., Application for a Permit to Drill (APDs) and Geothermal Drilling Permit (GDPs).

The Mineral Activities data theme includes two similar feature classes that represent the project area: MIN_ACTY_MLRS_POLY and MIN_ACTY_PROJ_AREA_POLY. Project areas are recorded in the BLM Mineral and Lands Records System (MLRS). Additional project area information is stored in the GIS project area feature class. The intent of these two polygon datasets is the same and overtime the spatial representation of these datasets should match.

- 2) The three Mineral Activities disturbance feature class, MIN_ACTY_POLY, MIN_ACTY_ARC, and MIN_ACTY_PT, represent where physical mineral activity is occurring or has occurred. Efforts should be made to associate these features with the appropriate MLRS record.
- The three Mineral Activities inspection tables, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, and MIN_ACTY_PT_INSPECT_TBL represent single site visits to evaluate compliance or reclamation status.

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. Proprietary/confidential information on location of certain mineral activities and wells is protected information and withheld. Data collected may be considered 'commercial' by the operator and is not subject to public review per 43 CFR 3902.6.

Mineral and well resource information falls under FOIA Exemption 4 and 9

(http://www.foiadvocates.com/exemptions.html). The fourth exemption allows an agency to withhold records that would reveal "[t]rade secrets and commercial or financial information obtained from a person and privileged or confidential." 5 U.S.C. § 552(b)(4) and the ninth FOIA exemption covers geological and geophysical information, data, and maps about wells.

1.3 Records Retention Schedule

The DRS/GRS/BLM Combined Records Schedule, under Schedule 20/52a3 (Electronic Records/Geographic Information Systems), lists this theme 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."

According to the DRS/GRS/BLM Records Schedules, Schedule 20, Item 52a3, the NOC is responsible for transfer to NARA.

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

The **Mineral Activities** 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. This dataset falls under the standard Records Access Category 1B - BLM Records that may contain protected information and must be considered for segregation prior to release. This data is not to be made available to the public web.

There are no privacy issues or concerns associated with this data theme. A privacy impact assessment was signed for this dataset on March 12, 2025.

1.5 Keywords

Keywords that can be used to locate this dataset include:

- BLM Thesaurus: geology, disturbance, energy, management, facility, authorization, geospatial
- Additional keywords: minerals, locatable, leasable, salable/saleable, unauthorized use, mining, ground disturbance, lands, MLRS leases, claims, wells
- ISO Thesaurus: geological and geophysical, structure

1.6 Subject Function Codes

BLM Subject Function codes used to describe this dataset include:

- 1283 Data Administration
- 3160 Oil and gas operations
- 3260 Geothermal operations
- 3400 Coal management
- 3500 Leasing of solid minerals other than coal and oil shale
- 3600 Mineral Materials Disposal
- 3809 Mining Surface Management
- 9167 Geographic Information System (GIS)

2 Dataset Overview

2.1 Usage

This dataset is used to track and identify areas of surface disturbance and facilities construction connected with mining and other mineral activities during field inspections. It is used to supplement mineral case file information in MLRS.

This dataset identifies surface impact of subsurface development. It is <u>not</u> the intent of this data standard to capture underground disturbances. Some activities may be completely visible (e.g., open pit mining). The nature of the disturbance and its relation to subsurface extraction will be captured in the FEATURE attribute field.

Analysis of this dataset may be used to assess areas in conjunction with natural resource and conservation efforts. This dataset may also be used by state agencies, such as the Oregon Department of Geology and Mineral Industries (DOGAMI) and Washington Department of Natural Resources (WA DNR), to assess impacts to state projects.

Rock hounding sites are <u>not</u> included in this data theme.

2.2 Sponsor/Affected Parties

The sponsor for this data is the Deputy State Director for the Division of Resources, Lands, and Minerals.

2.3 Relationship to Other Datasets, Databases, or Files

Mineral and Land Records System

The national BLM Mineral and Land Records System (MLRS) is the official repository for records of land and mineral use authorizations. Mineral activity project areas that are associated with a Plans of Operation, Notices of Intent, mineral disposals, or mineral leases are captured in MLRS and the Mineral Activities data theme. Mineral surface disturbance associated with these project areas are in the Mineral Activities data theme and can be associated with a MLRS case using the MLRS case file number.

Leases and Claims

The Leases and Claims (LSE_CLM) data theme contains spatial features representing legal mineral encumbrances or leases (leasable minerals) and claims (locatable minerals) on federal land. The Mineral Activities (MIN_ACTY) data theme contains features representing the physical mineral disturbance for leasable, locatable, and salable minerals.

Mineral activities will occur within a lease or claim. The case file number will be different between a lease or claim and the mineral activity, but the commodity will be the same.

The claim corners that define a mining claim may be captured to the extent that they are associated with a Mineral Activities MLRS case and are required to be inspected and reclaimed.

Potential Unauthorized Use (PUU)

Mineral-associated disturbances that are not compliant with the performance standards in the regulations and/or in the operations plans (case groups 3100, 3200, 3400, 3500, 3802, and 3809) or conflict with the contract stipulations and operations plans (case groups 3600 and 3715) should be flagged as "Non-Compliant" in the MIN_ACTY COMPLIANCE field.

All unauthorized disturbances which result in a new MLRS case number, including cases that are tiered off a mineral activity case, are considered trespass and should be captured in the Potential Unauthorized Use (PUU) data theme. Trespasses, of any variety, are regulated under 43 CFR 9238. Locatable mining surface management (case group 3809) trespass falls under use and occupancy (371511) and the case type needs to be adjusted in MLRS. For additional information reference handbooks H-9235-1 for mineral materials (3600) trespass or H-3809-1 for

locatable (3809) trespass.

Abandoned Mine and Site Cleanup Module (AMSCM)

Mineral disturbance activity that ceased prior to January 1, 1981 (as cited in 43 CFR § 3809.5 (2015)) are tracked in the Abandoned Mine and Site Cleanup Module (AMSCM).

If hazardous material is found a site, it should be evaluated for inclusion in the AMSCM database.

Automated Fluid Minerals Support System (AFMSS) and Geothermal Resources Automated Support System (GRASS)

Energy mineral leases are recorded in MLRS. Energy actions related to an Application for Permit to Drill (APD), i.e., case group 3100, or Geothermal Drilling Permit (GDP), i.e., case group 3200, are tracked in the national BLM Automated Fluid Minerals Support System (AFMSS) for oil and gas and Geothermal Resources Automated Support System (GRASS) for geothermal. The disturbance feature is captured in the MIN_ACTY data theme. The operator created well number, or the site license number, can be captured in the MIN_ACTY well number (WELL_NUM) field to provide a reference identifier between the MIN_ACTY and AFMSS/GRASS data.

Plan or Project Area Boundaries (AVY_PLAN)

Mineral activity (MIN_ACTY) project areas are generally associated with the plan/notice/permit/contract that authorizes them. The plan name can be captured in the attribute PLANID in the data standard. Planning or Activity Plan boundaries can be found in the PLANBDY and AVY PLAN data themes.

Easements and Right-of-Ways

All rights-of-ways, e.g., federal highway rights-of-ways, should go into the Easements and Rights-of-Ways (ESMTROW) data layers.

Structures

The Mineral Activities dataset is related to the Structures data theme to the extent that a feature in the Structures data theme may also be found in this dataset if the feature is associated with a MLRS. Mineral facilities and mineral surface disturbances associated with mineral claims, mineral material disposals, or mineral leases are required to be inspected and reclaimed. Point Structures of note include Culvert, Gate (Locked), Gate (Unlocked), Well (Monitoring), Well (Water), and Well (Other). Line Structures of note include Ditch, Fence, Pipeline (Gas), Pipeline (Geothermal), Pipeline (Oil), Pipeline (Water), and Powerline.

Ground Transportation

The Mineral Activities dataset is related to the Ground Transportation (GTRN) theme to the extent that a feature in the GTRNs data theme may also be found in this dataset if the feature is associated with a MLRS case. Mineral facilities and mineral surface disturbances associated with mineral claims, mineral material disposals, or mineral leases are required to be inspected and reclaimed. Routes can be flagged as temporary mining routes in the GTRN planning category (PLAN_CAT) field. Routes with limited access can be flagged as admin in the GTRN access rights field.

Water

The Mineral Activities dataset is related to the hydrography data themes to the extent that a feature in the hydrography data themes may also be found in this dataset if the feature is associated with a MLRS case. Mineral facilities and mineral surface disturbances associated with mineral claims, mineral material disposals, or mineral leases are required to be inspected and reclaimed.

Signs

The Mineral Activities dataset is related to the Signs data theme to the extent that a feature in the Signs data theme may also be found in this dataset if the feature is associated with a MLRS case. Mineral facilities and mineral surface disturbances associated with mineral claims, mineral material disposals, or mineral leases are required to be inspected and reclaimed.

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 Mineral Activities 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, MIN_ACTY is considered an Activity and categorized as follows:





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

Mineral activities project areas are approximate locations, and the positional accuracy may vary. Mineral facilities and mining surface disturbances physically exist on the ground and their location can be mapped with a high degree of accuracy. Accuracy may be variable because of the wide variety in which these features are captured in the GIS. The COORD_SRC and ACCURACY_FT fields contain feature level accuracy information stratified by input method and absolute accuracy (how close, in +/- feet) the GIS mapped feature is to the actual ground feature. This flags less accurate features for replacement when possible.

3.2 Collection, Input, and Maintenance Protocols

Mineral Activities Project Areas

Both the mineral activity project areas and the MLRS mineral activity project area represent the approximate location of a project area associated with Plans of Operation, Notices of Intent, mineral material disposals (e.g., free use permits, community use pits, and mineral materials sales), or mineral leases (e.g., Application for a Permit to Drill [APDs] and Geothermal Drilling Permit [GDPs]. The intent is for these two feature classes to represent the same spatial extent. The mineral activity project area data is editable using desktop ArcGIS. The MLRS mineral activity project area data is editable using the MLRS application. The expectation is that the spatial representation of the GIS mineral activity project area polygon will be more accurate than the MLRS spatial representation in the short term.

The current MLRS spatial data has not been verified or spatially corrected. If the MLRS spatial depiction is correct it can be copied as-is to the mineral activity project area polygon. If the MLRS spatial depiction is incorrect it can be used as a reference to capture the correct depiction in the mineral activity project area polygon. The mineral activity project area polygon contains some additional attribute information not captured in MLRS that will need to be populated. A periodic review will occur of the spatial correlation between the two datasets so that the correct spatial data can be loaded into MLRS.

Mineral Activities Disturbance Features

The data associated with the three mineral activity mining facilities and mineral surface disturbance feature classes can be collected using a mobile device during a field inspection. Efforts should be made to associate these features with the appropriate MLRS record (CSE_NR). This association can occur using desktop ArcGIS after a field visit.

Once an operator reports that a project is fully reclaimed, a geologist will conduct a site visit to verify. During the site visit, the geologist can update the inspection table for the following fields: RECLAIM_EARTH, RECLAIM_VEG, RECLAIM_WEED, FACILITY_REMOVED, and CHEMICAL_CLEANED. The geologist will also need to update the SITE_RECLAIM_STATUS field in the project area polygon feature class. When a site is fully reclaimed, the SITE_RECLAIM_STATUS status should be reflected as "Fully reclaimed", CASE_DISP should equal "Closed", COMPLIANCE should equal "Compliant", and the DISPOSITION_DT should not be Null.

3.3 Update Frequency and Archival Protocols

Data should be updated after a site visit, after a case is updated in MLRS, or as needed, but at least annually. It is the responsibility of the district data steward to ensure the data remains current. Data is archived annually.

3.4 Statewide Monitoring

District staff are required to check the themes for spatial and attribute accuracy within their district and to keep the themes consistent and current with MLRS and the case files.

The state data stewards are responsible for checking consistency across districts for the theme(s) that are relevant to their programs. The state data stewards are responsible for coordinating the response to national BLM and interagency data calls for mineral activities related data.

Each year, the Resource Science Data team 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 approval of the datasets reviewed. These approvals are then added to the corporate metadata.

4 Mineral Activity 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: <u>https://www.blm.gov/about/data/oregon-data-management.</u>

For domains not listed at that site contact: State Data Administrator.

4.1 Mineral Activity MLRS Project Area Feature Class

4.1.1 MIN_ACTY_MLRS_POLY Feature Class (Mineral Activity MLRS Project Area Polygons)

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
PROJ_NAME	String	100		Yes	
CSE_NR	String	16		Yes**	
CASEFILE	String	15		Yes**	
CASE_GROUP	String	10		Yes	dom_MIN_ACTY_MLRS_CASE_GROUP
CASETP	String	7		Yes	dom_MIN_ACTY_MLRS_CASE_TYPE
COMMODITY	String	50		Yes	dom_MIN_ACTY_MLRS_COMMODITY_ CD
CASE_DISP	String	20		Yes	dom_MIN_ACTY_MLRS_CASE_DISP
EXPIRATION_DT	Date			No	
DISPOSITION_DT	Date			No	
GLOBALID	GUID			Yes *	

* Values automatically generated

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

4.2 Mineral Activity MLRS Project Area Table

4.2.1 MIN_ACTY_MLRS_ACCOUNT_TBL Feature Class (Mineral Activity MLRS Project Area Polygons)

Attribute Name	Data Type	Length	Default Value	Required	Domain
CSE_NR	String	16		Yes **	
ACCOUNT_NAME	String	60		Yes	
ACCOUNT_RELATIONSHIP	String	30		Yes	dom_MIN_ACTY_MLRS_ACCOUN T_CD
GLOBALID	GUID			Yes *	

* Values automatically generated

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

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

4.3 Mineral Activities Feature Classes

4.3.1 MIN_ACTY_PROJ_AREA_POLY Feature Class (Mineral Activities Project Area Polygons)

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
PROJ_NAME	String	100		Yes	
CSE_NR	String	16		Yes **	
PROJ_CONTACT	String	50		No	
SITE_RECLAIM_STATUS	String	40	Unknown	Yes	dom_MIN_ACTY_RECLAIM_STA TUS
PLANID	String	100		No	dom_PLANID
COMMENTS	String	255		No	
GIS_ACRES	Double			Yes *	
BLM_ORG_CD	String	5	OR000	Yes	dom_BLM_ORG_CD
COORD_SRC	String	7	UNK	Yes	dom_COORD_SRC
ACCURACY_FT	Short Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	

Attribute Name	Data Type	Length	Default Value	Required	Domain
MODIFY_DATE	Date			No *	
GLOBALID	GUID			Yes *	

* Values automatically generated

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

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

4.4 Mineral Activities Feature Dataset

4.4.1 MIN_ACTY_POLY Feature Class (Mineral Activities Polygons)

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
CSE_NR	String	16		No	
PROJ_SUBUNIT_NAME	String	60		No	
FEATURE	String	30	Other	Yes	dom_MIN_ACTY_FTR_AREA
FEATURE_HEIGHT_FT	Short Integer			No	
DISTURB_STATUS	String	30	Current	Yes	dom_MIN_ACTY_DISTURB_STAT US
CASE_GROUP	String	10	Unknown	Yes	dom_MIN_ACTY_MLRS_CASE_G ROUP
JURIS_CODE	String	3	UN	Yes	dom_JURIS_CODE
WELL_NUM	String	50		Condition al	
COMMENTS	String	255		No	
GIS_ACRES	Double			Yes *	
BLM_ORG_CD	String	5	OR000	Yes **	dom_BLM_ORG_CD
COORD_SRC	String	7	UNK	Yes **	dom_COORD_SRC
ACCURACY_FT	Short Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	GUID			Yes *	

- * Values automatically generated
- ** Enforced during quality control, may appear in data as not required
- *** Maintained through versioning tools, may appear not required in database

4.4.2 MIN_ACTY_ARC Feature Class (Mineral Activities Lines)

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

Attribute Name	Data Type	Length	Default Value	Required	Domain
CSE_NR	String	16		No	
PROJ_SUBUNIT_NAME	String	60		No	
FEATURE	String	30	Other	Yes	dom_MIN_ACTY_FTR_LINE
FEATURE_HEIGHT_FT	Short Integer			No	
DISTURB_STATUS	String	30	Current	Yes	dom_MIN_ACTY_DISTURB_STAT US
CASE_GROUP	String	10	Unknown	Yes	dom_MIN_ACTY_MLRS_CASE_G ROUP
JURIS_CODE	String	3	UN	Yes	dom_JURIS_CODE
COMMENTS	String	255		No	
GIS_ACRES	Double			Yes *	
BLM_ORG_CD	String	5	OR000	Yes **	dom_BLM_ORG_CD
COORD_SRC	String	7	UNK	Yes **	dom_COORD_SRC
ACCURACY_FT	Short Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	Global ID			Yes *	

* Values automatically generated

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

4.4.3 MIN_ACTY_PT Feature Class (Mineral Activities Points)

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

Attribute Name	Data Type	Length	Default Value	Required	Domain
CSE_NR	String	16		No	
PROJ_SUBUNIT_NAME	String	60		No	
FEATURE	String	30	Other	Yes	dom_MIN_ACTY_FTR_PT
FEATURE_HEIGHT_FT	Short Integer			No	
DISTURB_STATUS	String	30	Current	Yes	dom_MIN_ACTY_DISTURB_STAT US
CASE_GROUP	String	10	Unknown	Yes	dom_MIN_ACTY_MLRS_CASE_G ROUP
JURIS_CODE	String	3	UN	Yes	dom_JURIS_CODE
WELL_NUM	String	50		Condition al	
COMMENTS	String	255		No	
BLM_ORG_CD	String	5	OR000	Yes **	dom_BLM_ORG_CD
COORD_SRC	String	7	UNK	Yes **	dom_COORD_SRC
ACCURACY_FT	Short Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	GUID			Yes *	

* Values automatically generated

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

4.5 Mineral Activities Tables

4.5.1 MIN_ACTY_POLY_INSPECT_TBL Table (Mineral Activities Polygon Inspection Table)

Attribute Name	Data Type	Length	Default Value	Required	Domain
CLASSIFIER	String	100		Yes**	
LASTVISIT_DT	Date			Yes**	
COMPLIANCE	String	20	Not Assessed	Yes	dom_MIN_ACTY_COMPLIANT
FACILITY_REMOVED	String	30		No	dom_MIN_ACTY_FACILITY_REM OVED
CHEMICAL_CLEANED	String	30		No	dom_MIN_ACTY_CHEM_CLEANE D
RECLAIM_EARTH	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_VEG	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_WEED	String	30		No	dom_MIN_ACTY_RECLAIM_WEE D
COMMENTS	String	255		No	
FILEPATH	String	150		No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_INSPECT_ GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	Global ID			Yes *	

* Values automatically generated

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

4.5.2 MIN_ACTY_ARC_INSPECT_TBL Table (Mineral Activities Line Inspection Table)

Attribute Name	Data Type	Length	Default Value	Required	Domain
CLASSIFIER	String	100		Yes**	
LASTVISIT_DT	Date			Yes**	
COMPLIANCE	String	20	Not Assessed	Yes	dom_MIN_ACTY_COMPLIANT
FACILITY_REMOVED	String	30		No	dom_MIN_ACTY_FACILITY_REM OVED
CHEMICAL_CLEANED	String	30		No	dom_MIN_ACTY_CHEM_CLEANE D
RECLAIM_EARTH	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_VEG	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_WEED	String	30		No	dom_MIN_ACTY_RECLAIM_WEE D
COMMENTS	String	255		No	
FILEPATH	String	150		No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_INSPECT_ GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	Global ID			Yes *	

* Values automatically generated

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

4.5.3 MIN_ACTY_PT_INSPECT_TBL Table (Mineral Activities Point Inspection Table)

Attribute Name	Data Type	Length	Default Value	Required	Domain
CLASSIFIER	String	100		Yes**	
LASTVISIT_DT	Date			Yes**	
COMPLIANCE	String	20	Not Assessed	Yes	dom_MIN_ACTY_COMPLIANT
FACILITY_REMOVED	String	30		No	dom_MIN_ACTY_FACILITY_REM OVED
CHEMICAL_CLEANED	String	30		No	dom_MIN_ACTY_CHEM_CLEANE D
RECLAIM_EARTH	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_VEG	String	30		No	dom_MIN_ACTY_RECLAIM_STA TUS
RECLAIM_WEED	String	30		No	dom_MIN_ACTY_RECLAIM_WEE D
COMMENTS	String	255		No	
FILEPATH	String	150		No	
VERSION_NAME	String	50	InitialLoad	Yes ***	
MIN_ACTY_INSPECT_ GUID	GUID			Yes **	
CREATE_BY	String	50		No *	
CREATE_DATE	Date			No *	
MODIFY_BY	String	50		No *	
MODIFY_DATE	Date			No *	
GLOBALID	Global ID			Yes *	

* Values automatically generated

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

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

4.6 Relationship Classes

4.6.1 rel_MIN_ACTY_MLRS_ACCOUNT_TBL

Origin Table	MIN_ACTY_MLRS_POLY
Origin Primary Key	CSE_NR
Destination Table	MIN_ACTY_MLRS_ACCOUNT_TBL
Destination Foreign Key	CSE_NR

Relationship Type	Simple
Labels	MLRS Account Table, MLRS Project Area Polygon
Messages	None
Cardinality	1 to Many

4.6.2 rel_MIN_ACTY_POLY_INSPECT_TBL

Origin Table	MIN_ACTY_POLY
Origin Primary Key	GlobalID
Destination Table	MIN_ACTY_POLY_INSPECT_TBL
Destination Foreign Key	MIN_ACTY_INSPECT_GUID
Relationship Type	Simple
Labels	Inspection Table, Mineral Activity Polygon
Messages	None
Cardinality	1 to Many

4.6.3 rel_MIN_ACTY_ARC_INSPECT_TBL

Origin Table	MIN_ACTY_POLY
Origin Primary Key	GlobalID
Destination Table	MIN_ACTY_POLY_INSPECT_TBL
Destination Foreign Key	MIN_ACTY_INSPECT_GUID
Relationship Type	Simple
Labels	Inspection Table, Mineral Activity Arc
Messages	None
Cardinality	1 to Many

4.6.4 rel_MIN_ACTY_PT_INSPECT_TBL

Origin Table	MIN_ACTY_POLY
Origin Primary Key	GlobalID
Destination Table	MIN_ACTY_POLY_INSPECT_TBL
Destination Foreign Key	MIN_ACTY_INSPECT_GUID
Relationship Type	Simple
Labels	Inspection Table, Mineral Activity Point
Messages	None
Cardinality	1 to Many

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 OR/WA, bordered on the North by Latitude 49.5, on the South by Latitude 41.5, on the East by Longitude -116 and on the West by Longitude -125. See the metadata for this data for a more precise description of the extent.

6 Spatial Entity Characteristics

Mineral Activities Project Area Feature Classes

• MIN_ACTY_MLRS_POLY

Description: The MLRS mineral activity project area data is editable only in the MLRS application. The spatial representation will be updated in MLRS using the MIN_ACTY_PROJ_AREA_POLY data. Over time the spatial representation of the MLRS Project Area polygon and the Mineral Activities Project Area polygons should be the same.

- o Geometry: Simple polygon features. Overlapping features are allowed.
- Topology: No topology rules enforced.
- Integration Requirements: MLRS Mineral Activities Project Areas vary by operators. Project areas are often delineated by a mineral deposit and therefore will not necessarily align with other geospatial datasets. Leasable or locatable mineral activities should be within a lease and claim boundary. All mineral activity project polygon areas should be on federal land, except for split estates.
- MIN_ACTY_PROJ_AREA_POLY
 - Description: The intent of the Mineral Activities project area data is the same as the MLRS project area boundary; the expectation is that the spatial representation of the data editable in GIS will be more accurate in the short term. Overtime the spatial representation of the Mineral Activities Project Area polygon and the MLRS Project Area polygons should be the same.
 - Geometry: Simple polygon features. Overlapping features are allowed.
 - Topology: No topology rules enforced.
 - Integration Requirements: Mineral Activities Project Areas vary by operators. Project areas are often delineated by a mineral deposit and therefore will not necessarily align with other geospatial datasets. Leasable or locatable mineral activities should be within a lease and claim boundary. All mineral activity project polygon areas should be on federal land, except for split estates.

Mining Facilities and Mineral Surface Disturbances

- MIN_ACTY_POLY
 - Description: Each mineral activities disturbance polygon represents surface disturbance associated with mining activity.
 - Geometry: Simple polygon features. Overlapping features are allowed.
 - Topology: No topology rules enforced.
 - Integration Requirements: None.
- MIN_ACTY_ARC
 - Description: Each mineral activities disturbance line represents surface disturbance associated with mining activity.
 - o Geometry: Simple line features. Overlapping features are allowed.

- Topology: Must be Single Part, Must Not Self-Intersect
- Integration Requirements: None.
- MIN_ACTY_PT
 - Description: Each mineral activities disturbance point represents surface disturbance associated with mining.
 - Geometry: Simple point features. Overlapping features are allowed.
 - Topology: No topology rules enforced.
 - Integration Requirements: None.

7 Attribute Characteristics and Definition (In alphabetical order) 7.1 ACCOUNT NAME

Geodatabase Name ACCOUNT_NAME BLM Structured Name MLRS_Account_Name_Text Inheritance MLRS Alias Name Account Name Feature Class Use/Entity Table MIN_ACTY_MLRS_ACCOUNT_TBL Definition Each MLRS case is associated with one or more account, or customer, names. The association that the name has with the case is found in the ACCOUNT RELATIONSHIP field. Required/Optional Required Domain (Valid Values) No domain Data Type String (60)

7.2 ACCOUNT_RELATIONSHIP

Geodatabase Name	ACCOUNT_RELATIONSHIP
BLM Structured Name	MLRS_Account_Relationship_Text
Inheritance	MLRS
Alias Name	Account Relationship
Feature Class Use/Entity Table	MIN_ACTY_MLRS_ACCOUNT_TBL
Definition	Identifies the association of the ACCOUNT_NAME to the case. For example, the relationship an entity can have with a case include applicant, operator, permittee, claimant, etc.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_MLRS_ACCOUNT_CD
Data Type	String (60)

7.3 ACCURACY_FT

Geodatabase Name	ACCURACY_FT
BLM Structured Name	Accuracy_Feet_Measure
Inheritance	Not Inherited
Alias Name	Accuracy (ft)
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
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 "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), 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. When the data is collected in a field mobile collection application, the value in this field will be automatically calculated. The field will calculate the estimated GPS accuracy to the 95% confidence interval to meet the National Standard for Spatial Data Accuracy (NSSDA) requirements.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Short Integer

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	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	A combination of the BLM administrative state and field office which 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. 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.
	Another agency or individual may have the physical management responsibility for the on-the-ground entity. 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.
Required/Optional	Required
Domain (Valid Values)	dom_BLM_ORG_CD
Data Type	String (5)

7.5 CASE_DISP

Geodatabase Name	CASE_DISP
BLM Structured Name	MLRS_Case_Disposition_Code
Inheritance	MLRS
Alias Name	Case Disposition
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	The current case disposition as stated in the MLRS case.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_MLRS_CASE_DISP
Data Type	String (20)

7.6 CASE_GROUP

Geodatabase Name	CASE_GROUP
BLM Structured Name	MLRS_Case_Group_Number
Inheritance	MLRS
Alias Name	Regulatory Authority
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	Case group is a coded number system (defined by MLRS) that identifies a case (e.g., authorization, conveyances, withdrawals, acquisitions, etc.).
	Regulations (CRF) section covering and authorizing the case. These major groups are expressed as digits "00" through "99".
	The following case groups are included in this data standard:
	• Oil and Gas (31)
	• Geothermal (32)
	• Coal (34)
	Non-energy Solid Leasable Minerals (35)
	• Mineral Materials Disposal (36)
	• Use and Occupancy (37)
	• Mining Claims and Mining Claim Management (38)
	This field identifies the case group further for the Use and Occupancy (3715) and Mining Claims and Mining Claims Management (3802 and 3809) case groups.
	A value of other represents a non-standard regulatory authority. The regulatory authority and commodity should be noted in the comment field.
	A value of undetermined needs to be researched and either classified to a regulatory authority or moved to the appropriate dataset, for example the Abandoned Mine and Site Cleanup Module (AMSCM).

Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_MLRS_CASE_GROUP
Data Type	Short Integer

7.7 CASEFILE

Geodatabase Name	CASEFILE
BLM Structured Name	Legacy_LR2000_Casefile_Number
Alias Name	Legacy LR2000 Casefile Number
Inheritance	MLRS
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	The legacy case number (serial number in full) assigned by the BLM Legacy Rehost 2000 (LR2000) system when an action has begun, either by the BLM or the result of an application receipt. For example: ORORE 0018579FD • - • Geographic state – 2 characters – OR • Land office – 4 characters – ORE • Prefix – 1 character (valid leading zero) 0 • Serial number – 6 characters – 018579 (zero fills from the left) • Suffix – 2 characters - FD
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: • OROR 067704 • ORORE 0003520 • WAOR 071365
Data Type	String (15)

7.8 CASETP

Geodatabase Name	CASETP
BLM Structured Name	MLRS_Case_Type_Code
Inheritance	MLRS
Alias Name	BLM Product
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	Case type is a coded number system that identifies the case (e.g., authorization, conveyances, withdrawals, acquisitions, etc.).
	The six-digit code is constructed as follows:
	First two digits "00" through "99" denotes major groups generally listed in 43 CFR (e.g., "32" =Geothermal, "36" =Mineral Materials, "38" =Mining Surface Management).
	Second two digits "00" through "99" denotes major parts (e.g., "3715" =Use and Occupancy, "3802" =Mining Surface Management, Wilderness Study Areas).
	Last two digits "00" through "99" identifies a unique case type.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_MLRS_CASE_TYPE
Data Type	String (7)

7.9 CHEMICAL_CLEANED

Geodatabase Name	CHEMICAL_CLEANED
BLM Structured Name	Mineral_Activity_Chemical_Cleaned_Code
Inheritance	Not Inherited
Alias Name	Chemical and HazMat Cleaned
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	All necessary chemicals and hazardous materials have been cleaned- up.
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_CHEM_CLEANED
Data Type	String (30)

7.10 CLASSIFIER

Geodatabase Name	CLASSIFIER
BLM Structured Name	Classifier_Name_Text
Inheritance	Not Inherited
Alias Name	Inspector
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Name of the subject matter specialist most knowledgeable about the on-the-ground inspection of the case. When the data is collected in a mobile collection application, the value will be automatically populated on import of the data to ArcGIS from Created User, which uses the Active Directory (AD) ID. The Classifier value can be modified in an ArcGIS desktop application prior to submitting the data to the database. Multiple names should be comma delimited, full names should be mixed case and include first and last names.
Required/Optional	Required
Domain (Valid Values)	No domain Examples: Mary Smith, John Doe
Data Type	String (100)

7.11 COMMENTS

Geodatabase Name	COMMENTS
BLM Structured Name	Comments_Text
Inheritance	Not Inherited
Alias Name	Comments
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	 The comments field is a place to list general comments, including whether there are any follow-up actions or whether the feature is in the center or edge of the GIS representation. The comments field should be populated with additional information for any of the following scenarios. The case group is a non-standard regulatory authority or undetermined. The commodity is not defined. The feature is not defined or is a reference feature.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

7.12 COMMODITY

Geodatabase Name	COMMODITY
BLM Structured Name	MLRS_Commodity_Code
Inheritance	MLRS
Alias Name	Commodity
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	Commodity is a coded number system that identifies the commodity or mineral being mined.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_MLRS_COMMODITY_CD
Data Type	String (50)

7.13 COMPLIANCE

Geodatabase Name	COMPLIANCE
BLM Structured Name	Mineral_Activities_Compliance_Code
Inheritance	Not Inherited
Alias Name	Feature Compliance
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Denotes mining compliance based on the permit, contract, plan, or notice.
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_COMPLIANT
Data Type	String (30)

7.14 COORD_SRC

Geodatabase Name	COORD_SRC
BLM Structured Name	Coordinate_Source_Code
Inheritance	Not Inherited
Alias Name	Coordinate Source
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	The actual source of the GIS coordinates for the points. If the point is copied from another theme, and already has COORD_SRC, it should be reviewed and may need to be changed for use in this dataset.

	When the data is collected in a mobile collection application, the value will be automatically calculated. The field user will calculate the quality of the GPS coordinate source used.
Required/Optional	Required
Domain (Valid Values)	dom_COORD_SRC
Data Type	String (7)

7.15 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	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC_MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	The username of the person who adds the data to the database, either in a mobile data collection application or in an ArcGIS desktop application. This value cannot be edited by the user.
	This value is automatically generated from the user's Active Directory (AD) ID.
	When the data is collected in a mobile collection application, the value will populate the Classifier attribute on import of the data to ArcGIS.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: jdoe, msmith
Data Type	String (50)

7.16 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	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC_MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL

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

7.17 CSE_NR

Geodatabase Name	CSE_NR
BLM Structured Name	MRLS_Case_Number_Text
Inheritance	MLRS
Alias Name	MLRS Casefile Number
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY, MIN_ACTY_MLRS_POLY_TBL, MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Case number assigned by the MLRS database.
Required/Optional	Required
Domain (Valid Values)	No domain
Data Type	String (16)

7.18 **DISPOSITION_DT**

Geodatabase Name	DISPOSITION_DT
BLM Structured Name	MLRS_Disposition_Date
Inheritance	MLRS
Alias Name	Closed Date
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	Disposition date is the date when the geologist closes the case; all final reclamation has been completed.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

7.19 DISTURB_STATUS

Geodatabase Name	DISTURB_STATUS
BLM Structured Name	Mineral_Activities_Disturbance_Status_Code
Inheritance	Inherited from entity Facility
Alias Name	Feature Operation Status
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	Captures whether the mineral disturbance on the ground is planned, current, or historic. Disturbance status is independent of reclamation status.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_DISTURB_STATUS
Data Type	String (30)

7.20 EXPIRATION_DT

Geodatabase Name	EXPIRATION_DT
BLM Structured Name	MLRS_Expiration_Date
Inheritance	MLRS
Alias Name	Expiration Date
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY
Definition	Expiration date is the date that the permit expires.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

7.21 JURIS_CODE

Geodatabase Name	JURIS_CODE
BLM Structured Name	Mineral_Activities_Jurisdiction_Code
Inheritance	Inherited from entity Facility
Alias Name	Site Jurisdiction
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	Broad governmental organization with administrative responsibility. The organization might be non-BLM.
Required/Optional	Required
Domain (Valid Values)	dom_JURIS_CODE
Data Type	String (3)
7.22 FACILITY_REMOVED

Geodatabase Name	FACILITY_REMOVED
BLM Structured Name	Mineral_Activities_Facility_Removed_Code
Inheritance	Not Inherited
Alias Name	Facility Removed
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	The facility has been removed. Examples of facilities include cabins or work trailers
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_FACILITY_REMOVED
Data Type	String (30)

7.23 FEATURE

Geodatabase Name	FEATURE
BLM Structured Name	Mineral_Activities_Feature_Code
Inheritance	Inherited from entity Facility
Alias Name	Feature
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC_MIN_ACTY_PT
Definition	This field represents the feature on the mineral activity project site.The domain values vary based on the feature type, e.g., area, line, or point.Features can be stacked, occupying the same footprint on the ground.For example, a well can be on a well pad. As such, when calculating acres or miles please use the appropriate analysis to get your intended measure. That is, depending on the query, acres can be double counted.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_FTR_AREA,
	dom_MIN_ACTY_FTR_LINE,
	dom_MIN_ACTY_FTR_PT
Data Type	String (30)

7.24 FEATURE_HEIGHT_FT

Geodatabase Name	FEATURE_HEIGHT_FT
BLM Structured Name	Mineral_Activities_Feature_Height_Measure
Inheritance	Not Inherited
Alias Name	Feature Height (ft)
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	The height of the feature as measured in feet.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Short Integer

7.25 FILEPATH

Geodatabase Name	FILEPATH
BLM Structured Name	Filename_Path_Text
Inheritance	Not Inherited
Alias Name	File Path
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Filename or folder structure of a photo, document, spreadsheet, or other associated document. The value in this field serves as a hyperlink to the location of the file or a folder directory where multiple files are being referenced. It is recommended that districts device a naming strategy for files.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (150)

7.26 GIS_ACRES

Geodatabase Name	GIS_ACRES
BLM Structured Name	GIS_Acres_Measure
Inheritance	Not Inherited
Alias Name	GIS Acres
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY

Definition	GIS_ACRES is calculated when the submitted polygon is approved for incorporation into the dataset. The standard spatial reference of Geographic (NAD 1983) cannot be used for calculating acres, so the features are projected as determined by the BLM_ORG_CD of the record. These projections all use units of meters, so the ESRI Geodatabase-controlled field SHAPE.AREA can be used to convert to acres with the factor based on the U.S. Survey Foot: GIS_ACRES = SHAPE.AREA * 0.0002471044.
	project except for the following OR/WA Districts:
	Prineville: NAD 1983 USFS R6 Albers
	Coos Bay, Eugene, Lakeview, Medford, Northwest Oregon, Roseburg: NAD 1983 UTM Zone 10N
	Burns, Spokane, Vale: NAD 1983 UTM Zone 11N
Required/Optional	Required (automatically generated)
Domain (Valid Values)	No domain
Data Type	Double

7.27 GIS_MILES

Geodatabase Name	GIS_MILES
BLM Structured Name	GIS_Miles_Measure
Inheritance	Not Inherited
Alias Name	GIS Miles
Feature Class Use/Entity Table	MIN_ACTY_ARC
Definition	 GIS_MILES is calculated when the submitted arc is approved for incorporation into the dataset. The standard spatial reference of Geographic (NAD 1983) cannot be used for calculating miles, so the features are projected as determined by the BLM_ORG_CD of the record. These projections all use units of meters, so the ESRI Geodatabase-controlled field SHAPE.LENGTH can be used to convert to miles with the factor based on the U.S. Survey Foot: GIS_MILES = SHAPE.LENGTH * 0.0002471044. GIS_MILES is calculated using the NAD 1983 Albers Equal Area projection except for the following OR/WA Districts: Prineville: NAD 1983 USFS R6 Albers Coos Bay, Eugene, Lakeview, Medford, Roseburg, Salem: NAD 1983 UTM Zone 10N Burns, Spokane, Vale: NAD 1983 UTM Zone 11N
Required/Optional	Required (automatically generated)
Domain (Valid Values)	No domain
Data Type	Double

7.28 GLOBALID

Geodatabase Name	GLOBALID
BLM Structured Name	Global_ID_Identifier
Inheritance	Inherited from ODF
Alias Name	Global ID
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY, MIN_ACTY_MLRS_POLY_TBL, MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC_MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Global ID is a Universal Unique Identifier automatically assigned by the geodatabase when a row is created. This field is not editable.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	GUID

7.29 LASTVISIT_DT

Geodatabase Name	LASTVISIT DT
BLM Structured Name	
Inheritance	Not Inherited
Alias Name	Last Field Modify Date
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	The date of the inspection. There is an inspection date in LR2000 that may be more current than this date.
	This is the date the data was most recently modified in the field. When the data is collected in a mobile collection application, this value will be automatically populated on import of the data to ArcGIS from the Created Date, which uses GMT (UTC), as it is assumed that the visit date is the same as the date the data was captured in the database. The Last Visit Date value can be modified prior to submitting the data to the database. When the data is entered in an ArcGIS desktop application, this attribute will not be automatically populated from the Created Date as it is assumed that the visit date is not the same as the date the data was captured in the database.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

7.30 MIN_ACTY_GUID

Geodatabase Name	MIN_ACTY_GUID
BLM Structured Name	Mineral_Activities_Identifier
Inheritance	Inherited from entity Facility
Alias Name	Mineral Activities Unique ID
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	The unique identifier for the mineral activities feature. Used to relate records to other data themes, e.g., Structures.
Required/Optional	Required
Domain (Valid Values)	No domain
Data Type	GUID

7.31 MIN_ACTY_INSPECT_GUID

Geodatabase Name	MIN_ACTY_INSPECT_GUID
BLM Structured Name	Mineral_Activities_Inpection_Identifier
Inheritance	Not Inherited
Alias Name	Inspection Unique ID
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	The unique identifier for the mineral activities inspected feature. Used to relate the mineral activities inspections to the mineral activities features.
Required/Optional	Required
Domain (Valid Values)	No domain
Data Type	GUID

7.32 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	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	The BLM login ID of the person who last edited the data. This field is auto populated during editing.

Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: jdoe, msmith
Data Type	String (50)

7.33 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	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
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

7.34 PLANID

Geodatabase Name	PLANID
BLM Structured Name	Plan_Name_Text
Inheritance	Inherited from entity PROJECT PLAN AREA
Alias Name	Planning Name
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY
Definition	The official name/identifier of the mineral activity plan associated with NEPA. This field may or may not be the same as the Project Name. If there is not a planning record in ePlanning to authorize the action, use the code "Unknown".
Required/Optional	Required
Domain (Valid Values)	dom_PLANID
Data Type	String (100)

7.35 PROJ_CONTACT

Geodatabase Name	PROJ_CONTACT
BLM Structured Name	Mineral_Activities_Project_Contact_Name_Text
Inheritance	Not Inherited
Alias Name	Project Contact
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY
Definition	This is the geology or minerals project manager. This may or may not be the same person as the investigator. The investigator is the subject matter specialist most knowledgeable about the on-the- ground inspection of the case.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

7.36 PROJ_NAME

Geodatabase Name	PROJ_NAME
BLM Structured Name	Project_Name_Text
Inheritance	MLRS
Alias Name	Project Name
Feature Class Use/Entity Table	MIN_ACTY_MLRS_POLY, MIN_ACTY_PROJ_AREA_POLY
Definition	The project or case name. The project name between the MLRS project area and the Mineral Activities project area should resemble each other as much as possible. Minor differences in abbreviations are allowed. If the project is a Plan of Operations, use the name submitted, for all other projects use a geographic or other logical name.
Required/Optional	Required
Domain (Valid Values)	No domain
Data Type	String (100)

7.37 PROJ_SUBUNIT_NAME

Geodatabase Name	PROJ_SUBUNIT_NAME
BLM Structured Name	Project_Subunit_Name_Text
Inheritance	Inherited from entity Facility
Alias Name	Project Subunit Name
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	The project subunit name helps differentiate between multiple features at a site. The feature names can be based on a sequential

	number or letter (e.g., Pit 1, Pit 2), a geographic location (e.g., Pit West, Pit East), or any other logical local identifying system.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (60)

7.38 RECLAIM_EARTH

Geodatabase Name	RECLAIM_EARTH
BLM Structured Name	Mineral_Activities_Reclaim_Earth_Code
Inheritance	Not Inherited
Alias Name	Earth Reclamation Status
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Status of earth reclamation completed. Examples include road reclamation, cut-fill reclamation, and re-contouring work.
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_RECLAIM_STATUS
Data Type	String (30)

7.39 RECLAIM_VEG

Geodatabase Name	RECLAIM_VEG
BLM Structured Name	Mineral_Activities_Reclaim_Vegetation_Code
Inheritance	Not Inherited
Alias Name	Vegetation Reclamation Status
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Status of vegetation reclamation completed. Examples include re- seeding and re-growth of native vegetation.
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_RECLAIM_STATUS
Data Type	String (30)

7.40 RECLAIM_WEED

Geodatabase Name	RECLAIM_WEED
BLM Structured Name	Mineral_Activities_Reclaim_Weed_Code
Inheritance	Not Inherited
Alias Name	Weed Reclamation Status
Feature Class Use/Entity Table	MIN_ACTY_POLY_INSPECT_TBL, MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Status of weed reclamation completed. Examples include treatment of noxious weeds and keeping the project site weed free.
Required/Optional	Optional
Domain (Valid Values)	dom_MIN_ACTY_RECLAIM_WEED
Data Type	String (40)

7.41 SITE_RECLAIM_STATUS

Geodatabase Name	SITE_RECLAIM_STATUS
BLM Structured Name	Mineral_Activities_Site_Reclamation_Status_Code
Inheritance	Not Inherited
Alias Name	Site Reclamation Status
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY
Definition	Status of reclamation completed in accordance with the operations plan and/or in addition to meeting all performance standards in the BLM regulations. Reclamation includes, but is not limited to, earth, vegetation, weed, and chemical reclamation as well as any facility removal.
Required/Optional	Required
Domain (Valid Values)	dom_MIN_ACTY_RECLAIM_STATUS
Data Type	String (40)

7.42 VERSION_NAME

Geodatabase Name	VERSION_NAME
BLM Structured Name	Geodatabase_Version_Text
Inheritance	Inherited from ODF
Alias Name	Version Name
Feature Class Use/Entity Table	MIN_ACTY_PROJ_AREA_POLY, MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT, MIN_ACTY_POLY_INSPECT_TBL,

	MIN_ACTY_ARC_INSPECT_TBL, MIN_ACTY_PT_INSPECT_TBL
Definition	Name of the corporate geodatabase version previously used to edit the record.
	InitialLoad = feature has not been edited in ArcSDE.
	Format: username.XXX-mmddyy-hhmmss = version name of last edit (hours might be a single digit; leading zeros are trimmed for hours only). XXX=theme abbreviation.
	Example: sfrazier. FIRE_POLY-121210-111034
	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.
Required/Optional	Required (automatically generated)
Domain (Valid Values)	No domain
Data Type	String (50)

7.43 WELL_NUM

Geodatabase Name	WELL_NUM
BLM Structured Name	Well_Number_Text
Inheritance	Not Inherited
Alias Name	Well Number
Feature Class Use/Entity Table	MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT
Definition	Well number or well number or related feature.
	Energy actions related to an Application for Permit to Drill (APD), i.e., CASE_GROUP 3100, or Geothermal Drilling Permit (GDP), i.e., CASE_GROUP 3200, are tracked in the national BLM Automated Fluid Minerals Support System (AFMSS) for oil and gas and Geothermal Resources Automated Support System (GRASS) for geothermal.
	For wells and well pads, the operator created well number, or the site license number, should be captured in the WELL_NUM field in order provide a reference identifier between the MIN_ACTY and AFMSS/GRASS data.
	A well number is required and must be populated for oil and gas or geothermal well and well pads:
	• If the case group is equal to 3100 (oil and gas) and the polygon feature is a well pad, or the point feature is an oil and gas well.
	• If the case group is equal to 3200 (geothermal) and the polygon feature is a well pad, or the point feature is a geothermal well.
	Well numbers may also be populated for non-well features, such as a road or pipeline, to associate the non-well features with the well information in AFMSS/GRASS as WELL_NUM is functioning similar to CASEFILE for these features.
Required/Optional	Conditional
Domain (Valid Values)	No domain

Data Type	String (50)
-----------	-------------

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 **Publication Datasets**

A file geodatabase named mineral_activites.gdb will be created for *internal* use where:

- MIN_ACTY_POLY, MIN_ACTY_ARC, MIN_ACTY_PT and their respective INSPECT tables will be published as-is except:
 - The attribute VERSION_NAME is removed (for privacy reasons).
 - The edit tracking attributes CREATE_BY, CREATE_DATE, MODIFY_BY, MODIFY_DATE are removed.
- MIN_ACTY_PROJ_AREA_PUB_POLY will be created by appending the MLRS tabular data to the Mineral Activities project area dataset; the MLRS project spatial polygons will not be used in any publication datasets. CSE_NR will be used as the primary key.

No dataset will be created for *external* use as <u>this data is not to be made available to the public web</u>. When data is distributed on a case-by-case basis, a dataset will be created where (in addition to the internal processes):

- The attribute COMPLIANCE will be removed; the BLM's determination of an operator's compliance is for internal use.
- Planned mining disturbance (DISTURB_STATUS equals "Planned") will be removed.
- The attributes PROJECT_CONTACT, CLASSIFIER, COMMENTS, and FILEPATH will be removed.
- All associated records where CASE_DISP equals "Closed" will be removed. The case disposition information is only in the project area feature class, so related disturbance features and inspection tables will need to be identified when removing these records.

8.2.1 MIN_ACTY_PROJ_AREA_PUB_POLY (Mineral Activities Project Area Publication Polygons)

Attribute Name	Data Type	Length	Domain
PROJ_NAME ¹	String	100	
PROJ_NAME_MLRS ²	String	100	
CSE_NR ^{1,2}	String	16	
CASEFILE ²	String	15	
PROJECT_CONTACT ¹	String	50	
SITE_RECLAIM_STATUS ¹	String	40	dom_MIN_ACTY_RECLAIM_STATUS
CASE_GROUP ²	Short Integer		dom_MIN_ACTY_MLRS_CASE_GROUP
CASETP ²	String	7	dom_MIN_ACTY_MLRS_CASE_TYPE
COMMODITY ²	String	50	dom_MIN_ACTY_MLRS_COMMODITY_CODE
CASE_DISP ²	String	20	dom_MIN_ACTY_MLRS_CASE_DISP
EXPIRATION_DT ²	Date		
DISPOSITION_DT ²	Date		
PLANID ¹	String	100	dom_PLANID
COMMENTS ¹	String	255	
GIS_ACRES ¹	Double		
BLM_ORG_CD ¹	String	5	dom_BLM_ORG_CD
COORD_SRC ¹	String	7	dom_COORD_SRC
ACCURACY_FT ¹	Short Integer		
GLOBALID ¹	GUID		

¹ MIN_ACTY_PROJ_AREA_POLY

²MIN_ACTY_MLRS_POLY tabular data

8.2.2 MIN_ACTY_MLRS_ACCOUNT_TBL

Attribute Name	Data Type	Length	Default Value	Required	Domain
CSE_NR	String	16		Yes**	
ACCOUNT_NAME	String	60		Yes	
ACCOUNT_RELATION SHIP	String	60		Yes	dom_MIN_ACTY_MLRS_ACCOUN T_CD
GLOBALID	GUID			Yes *	

8.2.3 rel_MIN_ACTY_MLRS_ACCOUNT_PUB_TBL

Origin Table	MIN_ACTY_PROJ_AREA_PUB_POLY
Origin Primary Key	CSE_NR
Destination Table	MIN_ACTY_MLRS_ACCOUNT_TBL
Destination Foreign Key	CSE_NR
Relationship Type	Simple
Labels	MLRS Account Table, MLRS Project Area Publication Polygon
Messages	None
Cardinality	1 to Many

8.3 Theme Specific Guidance

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

When data is collected in a mobile collection application, the following post-processing steps will be completed on import to ArcGIS:

- The CLASSIFIER will be populated from CREATED_USER. CLASSIFIER can be modified to include additional names and/or to change the format of the name prior to version submission.
- The LASTVISIT_DT will be populated from CREATED_DATE, which is automatically captured from the device.
- Geodatabase attachments are removed from the database and relocated to the network repository. The file name and location of these attachments will be automatically inserted into the FILEPATH field.

8.4 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 Mineral Activities should either exclude historic cases and features or display these 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 features

Overlap is allowed in the Mineral Activities theme. Please use caution when calculating acres or miles to inadvertently calculating cumulative numbers.

• No topology rules.

Examples of valid overlap features include:

- Mineral activity project area polygons between different operators may occupy a similar, but not exact space on the ground, such as when the activity is a community pit. These type of between MLRS case overlap features are expected and allowed.
- Mineral activities disturbance features within a MLRS case may also be stacked, such as when a well is on a well pad.
- Features associated with closed MLRS cases may have the same footprint as active MLRS cases as operations change right holders.

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 cannot 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 SOURCEL 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).

9.3.1 Attribute Data Rules

Project Area Polygon Crosschecked with the MLRS Project Area Polygon

- Every record in the MIN_ACTY_PROJ_AREA_POLY should have a corresponding MLRS record in MIN_ACTY_MLRS_POLY.
- The project name (PROJ_NAME) between the MLRS project area polygon and the Mineral Activities project area polygon should resemble each other as much as possible. Deviations between the two can occur because of case, improved consistency in abbreviations, and special characters.
- The geometry between the MLRS project area polygon and the Mineral Activities project area polygon should be identical. Geometry sameness
- If SITE_RECLAIM_STATUS equals "Fully reclaimed" in MIN_ACTY_PROJ_AREA_POLY, then CASE_DISP should equal "Closed" and DISPOSITION_DT should not be Null in MIN_ACTY_MLRS_POLY.
- If SITE_RECLAIM_STATUS equals "Partially reclaimed" or "Not reclaimed" in MIN_ACTY_PROJ_AREA_POLY, then CASE_DISP should equal "Authorized", "Pending", or "Interim" in MIN_ACTY_MLRS_POLY.
- If SITE_RECLAIM_STATUS equals "Not applicable" in MIN_ACTY_PROJ_AREA_POLY, then CASE_DISP should equal "Planned" in MIN_ACTY_MLRS_POLY.

Project Area Polygon Crosschecked with the Disturbance Feature Classes (ALL) and the Inspection Tables (ALL)

• If SITE_RECLAIM_STATUS equals "Final reclamation" in MIN_ACTY_PROJ_AREA_POLY, then there should be a corresponding record(s) in the disturbance feature classes and the disturbance features should have one or more associated records in the related inspection table records.

Disturbance Polygon Feature Class (MIN_ACTY_POLY)

- If CASE_GROUP equals "3100" and FEATURE equals "Pad (Drill/Well)", then WELL_NUM should not be Null.
- If CASE_GROUP equals "3200" and FEATURE equals "Pad (Drill/Well)", then WELL_NUM should not be Null.
- If CASE_GROUP equals "Other", then COMMENTS should not be Null.
- If FEATURE = "Other", then COMMENTS should not be Null.

Disturbance Line Feature Class (MIN_ACTY_POLY)

• If FEATURE = "Other", then COMMENTS should not be Null.

Disturbance Point Feature Class (MIN_ACTY_PT)

- If CASE_GROUP equals "3100" and FEATURE equals "Well (Oil and Gas)", then WELL_NUM should not be Null.
- If CASE_GROUP equals "3200" and FEATURE equals "Well (Geothermal)", then WELL_NUM should not be Null.
- If FEATURE = "Other", then COMMENTS should not be Null.

Disturbance Feature Classes (ALL) Crosschecked with the MLRS Project Area Polygon

- If CSE_NR is not Null, then the disturbance feature should correspond to a MLRS record in MIN_ACTY_MLRS_POLY.
- If CSE_NR is not Null, then CASE_GROUP in the disturbance feature classes should equal the CASE_GROUP in MIN_ACTY_MLRS_POLY.
- If CSE_NR is not Null, then DISTURB_STATUS in the disturbance feature classes should agree with CASE_DISP in MIN_ACTY_MLRS_POLY.
 - If DISTURB_STATUS equals "Historic", then CASE_DISP should equal "Closed".
 - If DISTURB_STATUS equals "Planned", "Current", or "Unknown", then CASE_DISP should <u>not</u> equal "Closed".

Disturbance Feature Classes (ALL) Crosschecked with the Project Area Polygon

• If CSE_NR is not Null, then the disturbance feature should be within the polygon of the associated project area polygon.

Disturbance Feature Classes (POLY and PT) Crosschecked with the Inspection Tables (POLY and POINT)

- MIN_ACTY_ARC: If the FEATURE equals "Ditch", "Fence", "Pipeline (Gas)", "Pipeline (Geothermal)", "Pipeline (Oil)", "Pipeline (Water)", or "Powerline", then the record should have a related inspection table.
- MIN_ACTY_ARC: If the FEATURE equals "Ditch", "Fence", "Pipeline (Gas)", "Pipeline (Geothermal)", "Pipeline (Oil)", "Pipeline (Water)", or "Powerline", then the record should have a corresponding Structures record via MIN_ACTY_GUID.
- MIN_ACTY_PT: If the FEATURE equals "Culvert", "Gate (Locked)", Gate (Unlocked)", "Well

(Monitoring)", "Well (Water)", or "Well (Other)", then the record should have a related inspection table.

• MIN_ACTY_PT: If the FEATURE equals "Culvert", "Gate (Locked)", Gate (Unlocked)", "Well (Monitoring)", "Well (Water)", or "Well (Other)", then the record should have a corresponding Structures record via MIN_ACTY_GUID.

Inspection Tables (ALL)

• If FACILITY_REMOVED equals "Removed" or "NA", and CHEMICAL_CLEANED equals "Cleaned" or "NA" and RECLAIM_EARTH equals "Fully reclaimed" or "Not applicable" and RECLAIM_VEG equals "Fully reclaimed" or "Not applicable" and RECLAIM_WEED equals "Completed" or "NA"), then COMPLIANCE should equal "Compliant".

Inspection Tables (ALL) Crosschecked with the Disturbance Feature Classes (ALL) and the Project Area Polygon

- If FACILITY_REMOVED equals "Removed" or "NA", and CHEMICAL_CLEANED equals "Cleaned" or "NA" and RECLAIM_EARTH equals "Fully reclaimed" or "Not applicable" and RECLAIM_VEG equals "Fully reclaimed" or "Not applicable" and RECLAIM_WEED equals "Completed" or "NA") in the inspection tables and CSE_NR is not Null in the disturbance feature classes,
 - then SITE_RECLAIM_STATUS should equal "Fully reclaimed" in MIN_ACTY_PROJ_AREA_POLY and CASE_DISP should equal "Closed" and DISPOSITION_DT should not be Null in MIN_ACTY_MLRS_POLY.

9.4 Vertical Integration

Mineral activity project boundaries vary by operators. Project boundaries are often delineated by a mineral deposit and therefore will not necessarily align with other geospatial datasets. Leasable or locatable mineral activities should be within a lease and claim boundary. Except for split estates, all mineral activity project polygons should be on federal land.

Mineral activity surface disturbance features should be within a project area polygon. Surface disturbance features typically will not vertically integrate with other corporate data layers.

10 Abbreviations and Acronyms

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

Abbreviations	Descriptions
ARC	GIS line feature
BLM	Bureau of Land Management, U.S. Department of the Interior
CADNSDI	Cadastral National Spatial Data Infrastructure
DEM	Digital Elevation Model
DLG	Digital Line Graphs
FOIA	Freedom of Information Act
FOIVEG	Forest Operations Inventory
GIS	Geographic Information System
GNIS	Geographic Names Information System
GPS	Global Positioning System
GTRN	Ground Transportation GIS dataset
IDP	Interdisciplinary
NAD	North American Datum
NARA	National Archives and Records Administration
NEPA	National Environmental Policy Act
ODF	Oregon Data Framework
OR/WA	Oregon/Washington BLM Administrative State
POLY	GIS polygon feature
PUB	Publication
RMP	Resource Management Plan
USFS	United States Forest Service, U.S. Department of Agriculture
USGS	United States Geological Survey, U.S. Department of the Interior
SDE	Spatial Database Engine
WEB	Worldwide Web (internet)
WODDB	Western Oregon Digital Database

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: https://www.blm.gov/about/data/oregon-data-management.

For domains not listed at that site contact the State Data Administrator.

A.1 dom_BLM_ORG_CD

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

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_COORD_SRC

Coordinate Source Code. The representation of the physical feature on the ground or the PLSS legal description.

Code	Description
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 Orthoquad backdrop
DRG	DRG - Screen digitized linework over Digital Raster Graphic backdrop
GCD	GCD - Lines snapped to Geographic Coordinate Database Points
GPS	GPS - Lines obtained from a Global Positioning System device
IMG	IMG - Linework derived from interpretation of satellite or other non-photographic imagery
MAP	MAP - Digitized linework from hardcopy map
MTP	MTP - Lines duplicated from Digital Master Title Plat
SOURCEL	SOURCEL - Source Layer from 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)
WOD	WOD - WODDB Photogrammetric
UNK	UNK - Unknown coordinate source

A.3 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	
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	
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.4 dom_MIN_ACTY_CHEM_CLEANED

Mineral Activity Chemical Cleanup Status. Status of whether chemical cleanup has occurred.

Code	Description
Cleaned	Cleaned - Chemical and hazardous material clean-up has occurred
Not cleaned	Not cleaned - Chemical and hazardous material clean-up has not occurred
NA	NA - Not applicable

A.5 dom_MIN_ACTY_COMPLIANT

Mineral Activity Compliancy Status. Status of whether the facility has been removed.

Code	Description
Compliant	Compliant - Compliant with the permit conditions
Non-Compliant	Non-Compliant - Non-compliant with the permit conditions
Not Assessed	Not Assessed - Compliancy not assessed

A.6 dom_MIN_ACTY_DISTURB_STATUS

Mineral Activity Operational Status. Status of the mining disturbance feature.

Code	Description
Planned	Planned - Planned mining disturbance
Current	Current - Current mining disturbance
Historic	Historic - Historic mining disturbance
Unknown	Unknown - Mining operation status unknown

A.7 dom_MIN_ACTY_FACILITY_REMOVED

Mineral Activity Facility Removal Status. Status of whether the facility has been removed.

Code	Description
Removed	Removed - Facility has been removed
Not removed	Not removed - Facility has not been removed
NA	NA - Not applicable

A.8 dom_MIN_ACTY_FTR_AREA

Mineral Activity Disturbed Area Type. Description of the disturbed area feature.

Code	Description
Claim Boundary	Claim Boundary - Ground-truthed claim boundary
Cleared Area	Cleared Area - Area cleared, or to be cleared, for operation
Equipment	Equipment - Equipment staging or storing area
Facility	Facility - Facility
Pad (Drill/Well)	Pad (Drill/Well) - Drill pad or well
Pit (Locatable)	Pit (Locatable) - Locatable mining disturbance
Pit (Mineral Material)	Pit (Mineral Material) - Quarry or borrow pit
Pit (Other)	Pit (Other) - Disturbance not from locatable or mineral material operation
Pollutant	Pollutant - Potential contaminant
Scrape	Scrape - Scrape
Slope Movement	Slope Movement - Slump, talus, slope, etc.
Stockpile (Rock)	Stockpile (Rock) - Rock stockpile
Stockpile (Soil)	Stockpile (Soil) - Soil stockpile
Tailings	Tailings - Processed material
Trench	Trench - Trench
Waste Rock	Waste Rock - New or existing material to be left on site
Water (Impoundment)	Water (Impoundment) - Source water pond
Water (Natural)	Water (Natural) - Natural water feature created by mining
Water (Settling)	Water (Settling) - Settling pond
Other	Other - Mining feature not listed (see comments)

A.9 dom_MIN_ACTY_FTR_LINE

Mineral Activity Line Type. Description of the disturbed line feature.

Code	Description
Bench (Mining)	Bench (Mining) - Mining bench
Conveyor Line	Conveyor Line - Conveyor line
Ditch	Ditch - Ditch (associated with the case)
Fence	Fence - Fence (associated with the case)
Highwall	Highwall - Highwall
Pipeline (Gas)	Pipeline (Gas) - Gas pipeline (associated with the case)
Pipeline (Geothermal)	Pipeline (Geothermal) - Geothermal pipeline (associated with the case)
Pipeline (Oil)	Pipeline (Oil) - Oil pipeline (associated with the case)
Pipeline (Water)	Pipeline (Water) - Water pipeline (associated with the case)

Code	Description
Powerline	Powerline - Powerline (associated with the case)
Road (Constructed)	Road (Constructed) - Constructed mining road
Road (Primitive)	Road (Primitive) - Mining two-track road (visual vegetation disturbed)
Road (Cross-country)	Road (Cross-country) - Mining cross-country motorized travel
Water (Natural)	Water (Natural) - Natural water feature created by mining
Other	Other – Mining feature not listed (see comments)

A.10 dom_MIN_ACTY_FTR_PT

Mineral Activity Point Type. Description of the disturbed point or hole feature.

Code	Description
Adit/Shaft	Adit/Shaft - Portal or entrance to underground workings
Claim Corner	Claim Corner - Ground-truthed claim corner
Culvert	Culvert - Culvert (associated with the case)
Drill Hole (Open)	Drill Hole (Open) - Open drill hole
Drill Hole (Plugged)	Drill Hole (Plugged) - Plugged drill hole
Equipment	Equipment - Equipment staging or storing area
Gate (Locked)	Gate (Locked) - Road gate always locked; key needed (associated with the case)
Gate (Unlocked)	Gate (Unlocked) - Road gate always unlocked (associated with the case)
Hazardous materials	Hazardous materials - Hazardous materials on site
Monument	Monument - Discovery, survey, etc.
Pit (Locatable)	Pit (Locatable) - Locatable mining disturbance
Pit (Mineral Material)	Pit (Mineral Material) - Quarry or borrow pit
Pit (Other)	Pit (Other) - Disturbance not from locatable or mineral material operation
Pollutant	Pollutant - Potential contaminant
Sign	Sign - Sign (associated with the case)
Stockpile (Rock)	Stockpile (Rock) - Rock stockpile
Stockpile (Soil)	Stockpile (Soil) - Soil stockpile
Sump	Sump - Sump
Trash	Trash - Trash
Water (Natural)	Water (Natural) - Natural water feature created by mining
Well (Geothermal)	Well (Geothermal) - Geothermal well
Well (Monitoring)	Well (Monitoring) - Monitor well (associated with the case)
Well (Oil and Gas)	Well (Oil and Gas) - Oil and gas well
Well (Water)	Well (Water) - Production water well (associated with the case)

Code	Description
Well (Other)	Well (Other) - Well type not listed (associated with the case)
Other	Other - Mining feature not listed (see comments)

A.11 dom_MIN_ACTY_MLRS_ACCOUNT_CD

MLRS Account Relationship. The current case disposition, as stated in the MLRS Serial Register page. See LR 2000 for compete definition of codes.

Code	Description
01	01 - APPLICANT
02	02 - ENTRYMAN
03	03 - CO-OWNER
04	04 - PARTNER
05	05 - TRUSTEE
06	06 - HEIR
08	08 - ASSIGNEE
09	09 - OVERRIDING ROYALTY
10	10 - DESIGNATED OPERATOR
11	11 - ATTORNEY-IN-FACT
12	12 - PARTY-IN-INTEREST
13	13 - INT PARTY OF REC
14	14 - AGENT
15	15 - LESSEE
17	17 - SURFACE JURIS
18	18 - SUBSURFACE JURIS
19	19 - ADMIN MGT ENTITY
21	21 - HOLDING AGENCY
22	22 - ACQUIRING AGENCY
23	23 - PERMITTEE
26	26 - OWNER
27	27 - ALL INTEREST
28	28 - LESSOR
29	29 - HOLDER
33	33 - GRANTOR
38	38 - SUBLESSEE
40	40 - PROPONENT
41	41 - 1ST PRIORITY

42	42 - 2ND PRIORITY
44	44 - OPERATOR
45	45 - OFFICE OF RECORD
46	46 - AGENCY
47	47 - BONDED PRINCIPAL
48	48 - SURETY
49	49 - TRANSFEREE
50	50 - TRANSFEROR
51	51 - BONDED COPRINCIPAL
53	53 - CORPORATION
54	54 - INDIVIDUAL
55	55 - PARTNERSHIP
56	56 - TRUST
58	58 - CLAIMANT
59	59 - CONTESTEE
62	62 - DOING BUSINESS AS (DBA)
64	64 - SUBOPERATOR
65	65 - HOLDER/BILLEE
66	66 - CERTIFIED OPERATOR
69	69 - VESTED INTEREST
71	71 - DEFENDANT
72	72 - FINANCIAL INSTITUTION
99	99 - PREVIOUS INT PARTY

A.12 dom_MIN_ACTY_MLRS_CASE_DISP

MLRS Case Disposition. The current case disposition, as stated in the MLRS Serial Register page. See LR 2000 for compete definition of codes.

This is a subset of the MLRS specific to mineral activities. Descriptions of the MLRS case disposition can be found in the following MLRS article.

https://mlrs.blm.gov/s/article/What-does-my-case-disposition-mean	

Code	Description
Authorized	Authorized – Approved
Pending	Pending – Waiting BLM approval
Interim	Interim – Cancelled, expired, terminated, relinquished, or awaiting a decision
Closed	Closed – No further action on this case is probable

A.13 dom_MIN_ACTY_MLRS_CASE_GROUP

MLRS Case Group. The MLRS case group and sub-group of the mineral activity.

Code	Description
3100	3100 - Oil and Gas
3200	3200 - Geothermal
3400	3400 - Coal
3500	3500 - Non-Energy Leasables
3600	3600 - Mineral Materials
3715	3715 – Use and Occupancy
3802	3802 - Mining Surface Management, Wilderness Study Area
3809	3809 – Mining Surface Management
Other	Other – Other regulatory authority (see comments)
Unknown	Unknown – Unknown regulatory authority
NA	NA - Not applicable, non-BLM mining disturbance

A.14 dom_MIN_ACTY_MLRS_CASE_TYPE

MLRS Case Type. The MLRS case type of the mineral activity.

Code	Description
310070	310070 - Known Geological Structure-favorable Petroleum Geological Province
310099	310099 - Unleased Lands Account
310112	310112 - Private Acquired Lease
310431	310431 - Oil and Gas Bond -Public Domain Land
310434	310434 - Oil and Gas Bond -All Lands
310771	310771 - Exchange Public Domain Lease
310781	310781 - Renewal Public Domain Lease
310911	310911 - Special Act Right Of Way Lease
311111	311111 - Noncompetitive Public Domain Lease Pre 1987
311112	311112 - Noncompetitive Acquired Lease Pre 1987
311115	311115 - Special Acts NPS/FS Areas Lease
311116	311116 - Special Act Federal Farm Mortgage Corporation Lease
311117	311117 - Noncompetitive Class Iii Reinstatement Lease
311120	311120 - Texas Relinquishment Act Lease
311121	311121 - Noncompetitive Public Domain Lease Post 1987
311122	311122 - Noncompetitive Acquired Lease Post 1987
311123	311123 - Future Interest Noncompetitive -Public Domain Lease Post 1987

Code	Description
311124	311124 - Future Interest Noncompetitive -Acquired Lease Post 1987
311131	311131 - Future Interest Noncompetitive -Public Domain Lease Pre 1987
311132	311132 - Future Interest Noncompetitive -Acquired Lease Pre 1987
311211	311211 - Simultaneous Public Domain Lease
311212	311212 - Simultaneous Acquired Lease
312011	312011 - Competitive Public Domain Lease Pre 1987
312012	312012 - Competitive Acquired Lease Pre 1987
312013	312013 - Competitive GSA Land Lease
312014	312014 - Competitive Protective Lease
312021	312021 - Competitive Public Domain Lease Post 1987
312022	312022 - Competitive Acquired Lease Post 1987
312023	312023 - Future Interest Competitive Public Domain Lease Post 1987
312024	312024 - Future Interest Competitive Acquired Lease Post 1987
312025	312025 - Competitive Public Domain Lease Post 2022
312026	312026 - Competitive Acquired Lease Post 2022
312028	312028 - Future Interest Competitive Acquired Lease Post 2022
312031	312031 - Naval Oil Shale Reserves Competitive Lease
312081	312081 - Future Interest Competitive Public Domain Lease
312082	312082 - Future Interest Competitive Acquired Lease Pre 1987
314011	314011 - Hydrocarbon Lease
314088	314088 - Hydrocarbon Application
315100	315100 - Geophysical Exploration – Except AK
318110	318110 - Compensatory Royalty Agreement - Drainage
318120	318120 - Compensatory Royalty Agreement
318130	318130 - Right Of Way Compensatory Royalty Agreement
318210	318210 - Exploratory Unit Agreement
318220	318220 - Secondary Unit Agreement
318230	318230 - Participating Area
318240	318240 - API/State Unit Agreement
318250	318250 - Indian Exploratory Unit Agreement
318260	318260 - Indian Secondary Unit Agreement
318270	318270 - Indian Participating Area
318290	318290 - Subordinate State Unit Agreement
318291	318291 - Subordinate State Participating Area
318310	318310 - Communitization Agreement

Code	Description
318320	318320 - Indian Communitization Agreement
318330	318330 - Private Acquired Communitization Agreement
318410	318410 - Gas Storage Agreement
318510	318510 - Development Contract
320070	320070 - Known Resource Area
320099	320099 - Unleased Lands Account
320112	320112 - Private Acquired Lease
320634	320634 - Bond - Geothermal All Lands
320901	320901 - Geophysical Exploration
321000	321000 - Noncompetitive Lease Pre 2005
321200	321200 - Noncompetitive Lease Post 2005
321300	321300 - Noncompetitive Converted Lease
321400	321400 - Noncompetitive Direct Use Lease
321500	321500 - Mining Claimant Lease
322000	322000 - Competitive Lease Pre 2005
322200	322200 - Competitive Lease Post 2005
322300	322300 - Competitive Converted Lease
323000	323000 - Nomination
325060	325060 - Utilization Site
328110	328110 - Compensatory Royalty Agreement - Drainage
328120	328120 - Compensatory Royalty Agreement
328200	328200 - Unit Agreement
328210	328210 - Subordinate Unit
328230	328230 - Participating Area
328240	328240 - State Unit
328300	328300 - Communitization Agreement
328500	328500 - Development Contract
340001	340001 - Coal Lease
341001	341001 - Exploration License
341002	341002 - Prospecting Permit
342001	342001 - Regional Coal Lease Comp
342504	342504 - Regional Comp Emergency /Bypass
342505	342505 - Non-reg Comp Coal Lease-IBA
342506	342506 - Coal Lease Hardship
342701	342701 - Coal S/E Surface Owner Qualified

Code	Description
343001	343001 - Coal Lease Preference Right
343101	343101 - Coal Sale Negotiated Right Of Way
343500	343500 - Coal Lease Exchange
343600	343600 - Coal Lease/land Exchange-Al Vly F
344001	344001 - Coal License To Mine
347201	347201 - Category 5 Petitions
348001	348001 - Logical Mining Unit
350006	350006 - Known Leasing Area
350099	350099 - To Be Defined
350410	350410 - Solid Minerals S/S-N/W Bond
350701	350701 - Prospect Permit Frac/Future Interest
350702	350702 - Lease Frac/Future Interest
350801	350801 - Mineral Lease Exchange
351201	351201 - Phosphate Prospect Permit
351301	351301 - Phosphate Pref Right Lease
351401	351401 - Phosphate Exploratory License
351501	351501 - Phosphate Competitive Lease
351601	351601 - Phosphate Fringe Acre NC Lease
351701	351701 - Phosphate Use Permit
352201	352201 - Sodium Prospect Permit
352301	352301 - Sodium Pref Right Lease
352401	352401 - Sodium Exploration License
352501	352501 - Sodium Competitive Lease
352601	352601 - Sodium Fringe AC NC Lease
352701	352701 - Sodium Use Permit
353201	353201 - Potassium Prospect Permit
353301	353301 - Potassium Pref Right Lease
353401	353401 - Potassium Exploratory License
353501	353501 - Potassium Comp Lease
353601	353601 - Potassium Fringe Acre NC Lease
354201	354201 - Sulphur Prospect Permit
354301	354301 - Sulphur Pref Right Lease
354401	354401 - Sulphur Exploratory License
354501	354501 - Sulphur Competitive Lease
354601	354601 - Sulphur Fringe NC Lease

Code	Description
355201	355201 - Gilsonite Prospect Permit
355301	355301 - Gilsonite Pref Right Lease
355401	355401 - Gilsonite Exploration License
355501	355501 - Gilsonite Competitive Lease
355601	355601 - Gilsonite Fringe NC Lease
355701	355701 - Oil Shale R,D/D Lease
355702	355702 - Oil Shale Preference Right Lease
355703	355703 - Oil Shale Exploration License
356001	356001 - Shasta Nation Forest
356002	356002 - N Lobato/Anton Chica
356003	356003 - PD-NF Minnesota
356201	356201 - Hardrock Prospect Permit Acquired
356301	356301 - Hardrock Pref Right Lease Acquired
356401	356401 - Hardrock Competitive Lease Acquired
356501	356501 - Hardrock Non-Competitive Lease Acquired
356701	356701 - Hardrock Development Contract
357401	357401 - Asphalt -Oklahoma Comp
357501	357501 - Asphalt - Oklahoma NC
358101	358101 - Au/Si Private Land Grant
358201	358201 - National Park Service Areas
358301	358301 - Shasta-Trinity Units
358401	358401 - Reserved Mineral Patent Land-CA
358501	358501 - White Mountains National Recreation Area
358601	358601 - Sand And Gravel-Nevada
360050	360050 - Mineral Classification
360099	360099 - To Be Defined
360211	360211 - Contest-multiple Use Con-BLM
360212	360212 - Contest-multiple Use Con-FS
360213	360213 - Contest - Reimbursable
360311	360311 - Contest -Private
360312	360312 - Mineral Materials Unauthorized Use -Minerals
360313	360313 - Mineral Materials Unauthorized Use -All
360411	360411 - Community Pit -Surface
360412	360412 - Community Pit -Minerals
360413	360413 - Community Pit -All

Code	Description
360511	360511 - Common Use Area -Surface
360512	360512 - Common Use Area -Mineral
360513	360513 - Common Use Area -All
361000	361000 - Mineral Material Sales
361111	361111 - Mineral Materials Negotiated -Surface
361112	361112 - Mineral Materials Negotiated -Minerals
361113	361113 - Mineral Materials Negotiated -All
361311	361311 - Mineral Materials Sale Competitive Non-Renewal -Surface
361312	361312 - Mineral Materials Sale Competitive Non-Renewal -Minerals
361313	361313 - Mineral Materials Sale Competitive Non-Renewal -All
361321	361321 - Mineral Materials Sale Competitive Renewal -Surface
361322	361322 - Mineral Materials Sale Competitive Renewal -Minerals
361323	361323 - Mineral Materials Sale Competitive Renewal -All
362000	362000 - Free Use Mineral Material
362111	362111 - Free Use Permit, Government Subdivision, -Surface
362112	362112 - Free Use Permit, Government Subdivision -Minerals
362113	362113 - Free Use Permit, Government Subdivision -All
362200	362200 - Free Use Permit, Non-profit Organization
362211	362211 - Free Use Permit, Non-profit Organization-Surface
362212	362212 - Free Use Permit, Non-profit Organization-Minerals
362213	362213 - Free Use Permit, Non-profit Organization -All
362311	362311 - Free Use Permit, Petrified Wood -Surface
362313	362313 - Free Use Permit, Petrified Wood -All
362913	362913 - Mineral Materials BLM Quarry
371511	371511 - Use And Occupancy
380210	380210 - Surface Management Plan Withdrawal Revocation
380901	380901 - Surface Management-Mining Alaska
380910	380910 - Surface Management Plan Mining
380911	380911 - Surface Management Plan-Exploration
380912	380912 - Surface Management Plan-Ancillary
380913	380913 - Surface Management-Notice
380920	380920 - Surface Management-Plan/Notice
380990	380990 - Surface Management-Long Term
380991	380991 - Surface Management-Land Tenure Support

A.15 dom_MIN_ACTY_MLRS_COMMODITY_CD

MLRS Commodity Code. The MLRS commodity codes of the mineral activity.

Code	Description
001	001 - None
011	011 - Aluminum, Bauxite
012	012 - Aluminum, Clay
014	014 - Aluminum, Dawsonite
015	015 - Aluminum, Anorthosite
016	016 - Aluminum, Saprolite
017	017 - Aluminum, Alunite
018	018 - Aluminum, Alum. Shale
019	019 - Aluminum, Other
020	020 - Antimony
022	022 - Antimony, Stibnite
030	030 - Aplite
040	040 - Asbestos
041	041 - Asbestos, Long Fiber
042	042 - Asbestos, Short Fiber
043	043 - Asphaltic Minerals
050	050 - Barium
051	051 - Barium, Barite
060	060 - Beryllium
061	061 - Beryllium, Beryl
070	070 - Boron
071	071 - Boron, Borax
072	072 - Borate
080	080 - Bromine
081	081 - Bromine, Brines
082	082 - Bromine, Ocean Brines
091	091 - Calcium, Limestone
092	092 - Calcium, Shell, or Oyster
093	093 - Calcium, Marl
094	094 - Calcium, Brines
095	095 - Calcium, Dolomite - S
096	096 - Calcium, Oxide
097	097 - Calcium, Sulfate -Anhydrite

Code	Description
098	098 - Calcium, Caliche
099	099 - Calcium, Sulfate -Gypsum
100	100 - Cesium
110	110 - Chlorine
111	111 - Chlorine, Bedded Salt
112	112 - Chlorine, Ocean Brine
113	113 - Chlorine, Saline Lake
114	114 - Chlorine, Brines
120	120 - Chromium
121	121 - Chromite
131	131 - Clay, Kaolin
132	132 - Clay, Ball
133	133 - Clay, Fire/refractory
134	134 - Clay, Brick
135	135 - Clay, Bentonite
136	136 - Clay, Fuller's Earth
137	137 - Clay, Common
140	140 - Coal
141	141 - Coal, Anthracite
142	142 - Coal, Bituminous
143	143 - Coal, Subbituminous
144	144 - Coal, Lignite
145	145 - Coal, Peat
150	150 - Cobalt
160	160 - Columbium
170	170 - Copper
171	171 - Copper, Sulfides
172	172 - Copper, Oxides
173	173 - Copper, Native
181	181 - Abrasive, Emery
182	182 - Abrasive, Corundum
183	183 - Abrasive, Diamond
184	184 - Abrasive, Garnet
185	185 - Abrasive, Tripoli
186	186 - Abrasive, Feldspar
230	230 - Fluorine

Code	Description
235	235 - Fluorspar
251	251 - Gemstone, Diamond
252	252 - Gemstone, Ruby
253	253 - Gemstone, Sapphire
254	254 - Gemstone, Emerald
255	255 - Gemstone, Semiprecious Sil
256	256 - Gemstone, Semiprecious Other
257	257 - Gemstone, Non-precious
258	258 - Gemstone, Coral, Common
259	259 - Gemstone, Coral, Semiprecious
260	260 - Gold
261	261 - Gold, Lode
262	262 - Gold, Placer
270	270 - Graphite
271	271 - Graphite, Amorphoruscrystalline
272	272 - Graphite, Flake
290	290 - Hafnium
300	300 - Helium
310	310 - Iodide
311	311 - Iodine, Caliche Nitrate
312	312 - Iodide, Brines
320	320 - Iron
321	321 - Iron, Oxides
322	322 - Iron, Taconite
323	323 - Iron, Titaniferous
330	330 - Kyanite Group
340	340 - Lead
341	341 - Lead, Sulfhide
350	350 - Lithium
351	351 - Lithium, Brine
352	352 - Lithium, Pegmatite
353	353 - Limestone
360	360 - Magnesium
361	361 - Magnesium, Dolomite
362	362 - Magnesium, Magnesite
363	363 - Magnesium, Brucite

Code	Description
364	364 - Magnesite, Olivine Chrysolite
365	365 - Magnesium, Evaporates
370	370 - Manganese
380	380 - Mercury
385	385 - Metals, Precious
390	390 - Mica
400	400 - Molybdenum
410	410 - Natural Gas
413	413 - Carbon Dioxide-s
414	414 - Coalbed Methane Gas
420	420 - Nickel
421	421 - Nickel, Sulfide
422	422 - Nickel, Oxide
430	430 - Nitrogen
440	440 - Perlite
451	451 - Petroleum, Crude Oil
452	452 - Petroleum, Oil Shale
453	453 - Petroleum, Bitumens
459	459 - Oil & Gas
460	460 - Phosphorus
470	470 - Platinum Group
471	471 - Platinum
472	472 - Platinum, Palladium
473	473 - Platinum, Tridium
474	474 - Platinum, Osmium
475	475 - Platinum, Rhodium
476	476 - Platinum, Ruthenium
480	480 - Potash, Potassium
481	481 - Potash, Potassium Bed
482	482 - Potash, Potassium Brines
483	483 - Potash, Potassium Nitrate
491	491 - Pumice, Pumicite
492	492 - Pumice, Volcanic Ash
493	493 - Pumice, Volcanic Cinder
494	494 - Pumice, Volcanic Dust
495	495 - Pumice, Scoria
Code	Description
------	---
496	496 - Obsidian
497	497 - Rhyolite
500	500 - Quartz, Crystal
501	501 - Quartz, Crystal, Electronic Grade
502	502 - Quartz, Crystal, Optical Grade
510	510 - Rare Earths
511	511 - Rare Earths, Cerium Group
512	512 - Rare Earths, Yttrium Group
521	521 - Sand And Gravel, Sand
522	522 - Sand And Gravel, Shale
523	523 - Sand And Gravel, Gravel
524	524 - Sand And Gravel, Clinker
525	525 - Sand And Gravel, S&G
526	526 - Shale
527	527 - Shale, Carbonaceous
530	530 - Silicon
531	531 - Silicon, Quartz
532	532 - Silicon, Quartzite
533	533 - Silicon, Sandstone
534	534 - Silicon, Glass Sand
535	535 - Silicon, Foundry Sand
540	540 - Silver
550	550 - Sodium
551	551 - Sodium, Rock Salt
552	552 - Sodium, Brine
553	553 - Sodium, Sulfate
554	554 - Sodium, Bicarbonate (Nahcolite)
555	555 - Sodium, Carbonate (Trona)
556	556 - Sodium Nitrate
561	561 - Stone, Dimension
562	562 - Stone, Crushed & Broken
563	563 - Stone, Riprap
564	564 - Stone, Weathered Granite
565	565 - Stone, Specialty
566	566 - Stone, Tufa
570	570 - Strontium

Code	Description
580	580 - Sulfur
581	581 - Sulfur, Native
582	582 - Sulfur, Pyrite
583	583 - Sulfur, Hydrogen Sulfide
591	591 - Talc
592	592 - Talc Group, Soapstone
593	593 - Talc, Pyrophyllite
594	594 - Talc, Block Steatite
600	600 - Tantalum
610	610 - Thorium
620	620 - Tin
630	630 - Titanium
631	631 - Titanium, Rutile
632	632 - Titanium, Ilmenite
633	633 - Titanium, Titaniferous Magnetite
636	636 - Tourmaline
639	639 - Travertine
640	640 - Tungsten
641	641 - Tungsten, Lode & Placer
642	642 - Tungsten, Brines
643	643 - Tungsten, Tailings
650	650 - Uranium, (U308 Content)
651	651 - Uranium And Other Min
660	660 - Vanadium
661	661 - Vanadium, Phosphate Shale
662	662 - Vanadium, TITANIFEROUS MAGNETITE
670	670 - Vermiculite
680	680 - Wollastonite
690	690 - Zeolites
691	691 - Zeolites, Chabazite
692	692 - Zeolites, Erionite
693	693 - Zeolites, Clinoptilolite
694	694 - Zeolites, Mordenite
695	695 - Zeolites, Ferrierite
696	696 - Zeolites, Phillipsite
700	700 - Zinc

Code	Description
701	701 - Zinc, Sulfides
702	702 - Zinc, Oxides
710	710 - Zirconium
720	720 - Byproducts
721	721 - Arsenic, As Byproduct
722	722 - Bismuth, As Byproduct
723	723 - Cadmium, As Byproduct
724	724 - Gallium, As Byproduct
725	725 - Germanium, As Byproduct
726	726 - Indium, As Byproduct
727	727 - Radium, As Byproduct
728	728 - Rhenium, As Byproduct
729	729 - Rubidium, As Byproduct
730	730 - Scandium, As Byproduct
731	731 - Selenium, As Byproduct
732	732 - Tellurium, As Byproduct
733	733 - Thallium, As Byproduct
770	770 - Geothermal
771	771 - Geothermal, Steam
772	772 - Geothermal, Water
773	773 - Geothermal, Hot Dry Rock
774	774 - Geothermal, Heat
800	800 - Two Or More Minerals
830	830 - Cinnabar-s
831	831 - Calcium-s
832	832 - Calcium, Calcite-s
833	833 - Clay-s
834	834 - Clay, Fire-s
835	835 - Clay, Refractory-s
836	836 - Clay, Common-s
837	837 - Abrasive, Corundum-s
838	838 - Abrasive, Diamond-s
839	839 - Abrasive, Diamond, Ind-s
840	840 - Diamond Crushing Bort-s
841	841 - Diatomite-s
842	842 - Abrasive, Emery-s

Code	Description
843	843 - Feldspar-s
844	844 - Abrasive, Garnet Common-s
845	845 - Abrasive, Garnet Gem-s
846	846 - Gemstone-s
847	847 - Semiprecious Silicate-s
848	848 - Gemstone, Semiprecious-s
849	849 - Gypsum-s
850	850 - Gypsum, Rock Gypsum-s
851	851 - Gypsum, Gypsite-s
852	852 - Gypsum, Anhydrite-s
853	853 - Pumice-s
854	854 - Sand And Gravel-s
855	855 - Volcanic Cinder-s
856	856 - Stone-s
857	857 - Topsoil-s
858	858 - Tufa-s
859	859 - Caliche-s
860	860 - Fill Material-s
861	861 - Nitrates-s
865	865 - Advertising Display
866	866 - Abandoned Property
867	867 - Agricultural
868	868 - Airports
869	869 - Apiaries
870	870 - Enclosures & Exclosures
871	871 - Filming
872	872 - Harvest
873	873 - Hazardous Materials
874	874 - Historic Purposes
875	875 - Litter, Trash, Refuse
876	876 - Occupancy, Commercial
877	877 - Occupancy, Residential
878	878 - Public Purposes
879	879 - Recreation Purposes
880	880 - Rec Concession/vendor
881	881 - Sanitary Landfills

Code	Description
882	882 - Storage And Stockpile
883	883 - Target/gunnery Range
884	884 - Water
885	885 - Other
886	886 - Occupancy, Mining Claim
887	887 - Sanitary Landfill/Hazardous
888	888 - Timber In Perpetuity
889	889 - Timber
891	891 - Soil/other, Fill
892	892 - Soil/other, Topsoil
893	893 - Soil/other, Peat/humus
894	894 - Soil/other, Diatomite
899	899 - All Material Resource-s
900	900 - All Minerals
910	910 - All Leasable Minerals
911	911 - All Locatable Minerals
912	912 - All Saleable Minerals
920	920 - Other Leasable Minerals
921	921 - Other Locatable Minerals
922	922 - Other Salable Minerals
923	923 - Metalliferous Minerals
930	930 - All Surface Rights US
931	931 - Archeological Sites
935	935 - St Cl Easement
936	936 - Restricted Surface Use
937	937 - Mineral Right Undetermined
940	940 - Limited US Surf Right
941	941 - Civil Rights Reserved
942	942 - Ditches Or Canals
943	943 - Subject To Existing R/W- Easement
944	944 - Subject To Exist Fed R/W
945	945 - Flood Plain Reservation
946	946 - 44 Ld 513
947	947 - Complex Reservat/segr
948	948 - Federal Power Act, Sec. 24
949	949 - Water

Code	Description
950	950 - Excepted Rights Follow-s
951	951 - Excepted Rights Preceed -s
952	952 - Subject To Prior Rights
956	956 - Resource Reservation
957	957 - Historical Site Covenant
958	958 - Covenants & Restrictions
959	959 – Federal Power Act, Sec. 24 -Parcel
960	960 - Reversion Clause Exists
961	961 - Federal Power Act, Sec. 24 -Right-of-way
963	963 - Exclusive
964	964 - Nonexclusive
965	965 - Air Space
966	966 - Salmon, All Species
967	967 - Section 17(B) Easements
968	968 - Subsurface Estate
969	969 - Oil & Gas Facilities
970	970 - Other Energy Facilities
971	971 - Non-energy Facilities
972	972 - Fiber Optic Facilities
973	973 – Exception/Exclusion From Title
974	974 - Wind Energy Facilities
975	975 - Solar Energy Facilities
977	977 - Interstate Energy Facilities
978	978 – Carbon Dioxide Geologic Seq
987	987 - Reversionary Interest
988	988 - Future Interest
989	989 - Mineral Encumbrance Exists
990	990 - Encumbrance Exists-s
991	991 - Use-restriction Exists-s
992	992 - Partial-interest Exists-s
993	993 – Percent Commodity Indicator-s
994	994 - Doc Contains Data Error-s
995	995 - US Subsurface/Mineral Rights Unknown-s
996	996 - US Rights Unknown-s
997	997 - Missing Doc/ Illegible Data-s
998	998 - Null Code-s

Code	Description
999	999 - To Be Defined

A.16 dom_MIN_ACTY_RECLAIM_STATUS

Mineral Activity Reclamation Status. Status of the reclamation of the site, earth work, or vegetation.

Code	Description
Fully reclaimed	Fully reclaimed
Partially reclaimed	Partially reclaimed
Not reclaimed	Not reclaimed
Not applicable	Not applicable
Unknown	Unknown

A.17 dom_MIN_ACTY_RECLAIM_WEED

Mineral Activity Weeds Reclamation Status. Status of whether weeds reclamation has occurred.

Code	Description
Complete	Complete - Weeds treatment complete
Not Complete	Not Complete – Weeds treatment needed
NA	Not applicable, weeds treatment not needed

A.18 dom_PLANID

Plan Name Text. The official name for the plan or project.

This is a lengthy domain used by multiple datasets. For the full list of values go to: https://gis.blm.gov/ORDownload/Domains/dom_PLANID.xls