PROPER FUNCTIONING CONDITION

SPATIAL DATA STANDARD

Twelve Mile Creek Lakeview District of Oregon and Washington BLM

DOCUMENT REVISIONS

Revision	Date	Author	Description	Affected Pages
1.0	6/21/2018	Dana Baker-Allum, John Colby, Mike Brown, Shelley Moore, Jarod Lemos	1st draft	All

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1. GENERAL INFORMATION

Dataset (Theme) Name: PFC
Dataset (Feature Class): PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_ARC_M, PFC_LOTIC_FLD_END_PT, PFC_LOTIC_FLD_ST_PT, PFC_ATTACH_TBL

1.1 ROLES AND RESPONSIBILITIES

Roles	Responsibilities
State Data Steward(s)	The State Data Steward is responsible for approving data standards and business rules, developing Quality Assurance/Quality Control procedures, identifying potential privacy issues, and ensuring that data is managed 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 also 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 make sure data is being input into the enterprise Spatial Database Engine (SDE) database consistently and in accordance with the established data standard. 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 that defined processes for development of data standards and metadata are followed, and that they are consistent and complete. The State Data Administrator is responsible for making data standards and metadata accessible to all users. The State Data Administrator also coordinates with data stewards and GIS coordinators to respond to national spatial data requests.
State Records Administrator	The State Records Administrator assists the State Data Steward to identify any privacy issues related to spatial data. The State Records Administrator also provides direction and guidance on data release and fees. The State Records Administrator also ensures that data has been classified under the proper records retention schedule and determines appropriate Freedom of Information Act category.

Table 1 Role and Responsibilities

1.2 FOIA CATEGORY

Public

1.3 RECORDS RETENTION SCHEDULE

The DRS/GRS/BLM Combined Records Schedule under Schedule 20/52a3 (Electronic Records/Geographic Information Systems) does not list PFC as one of the system-centric themes that are significant for BLM's mission that must be permanently retained.

> TEMPORARY. Delete when no longer needed for administrative, legal, audit, or other operational purposes (subject to any records freeze or holds that may be in place).

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 PFC set of themes do not require any additional security other than that provided by the General Support System (the hardware/software infrastructure of the Oregon/Washington (OR/WA) Bureau of Land Management (BLM)).

This dataset is not sensitive and there are no restrictions on access to this data from either within the BLM or external to the BLM. This dataset falls under the standard Records Access Category 1A-Public Data.

There are or no privacy issues or concerns associated with these data themes.

1.5 KEYWORDS

Keywords used to locate this dataset include:

- BLM Thesaurus Keywords: Hydrology, Vegetation
- ISO Thesaurus Keywords: biota, environment, inlandWaters
- Additional Keywords: Proper Functioning Condition, Riparian, Aquatic, Lentic, Lotic

1.6 SUBJECT FUNCTION CODES

BLM Subject Function codes used to describe this dataset include:
1283 - Data Administration
7000 – Soil, Water, and Air Management

6720 – Aquatic Resource Management
6762 – Stream Management

2. DATASET OVERVIEW

2.1 DESCRIPTION

The Proper Functioning Condition (PFC) dataset represents spatial location and information for Lotic and Lentic Proper Functioning Condition Assessments. This dataset is used to record data from the PFC Assessment Form (Lotic) (Technical Reference 1737-15 Second Edition 2015 Proper Functioning Condition Assessment for Lotic Areas) and the Lentic Standard Checklist (Technical Reference 1737-16 1999, Revised 2003 A User Guide to Assessing Proper Functioning Condition and the Supporting Science for Lentic Areas). This dataset is also used to record PFC data gathered according to earlier technical references.

The PFC assessments are defined by the following BLM Technical References:

- 1737-15 "Riparian Area Management: Proper Functioning Condition Assessment for Lotic Areas."
- 1737-16 "Riparian Area Management: A User Guide to Assessing Proper Functioning Condition and the Support Science for Lentic Areas."

Citations for both of these documents are available in the references section of this document.

The PFC dataset includes the following feature classes and tables:

- PFC Lentic Poly – assessments for lentic polygon features.
- PFC Lentic Point – assessments for lentic point features.
- PFC Lotic Arc – assessments for lotic line features.
- PFC Lotic Field Start Point – a point feature that represents the start of a lotic line assessment. Intended to facilitate field data capture on a mobile device.
- PFC Lotic Field End Point – a point feature that represents the end of a lotic line assessment. Intended to facilitate field data capture on a mobile device. For any features recorded in the PFC Lotic field feature classes, a Lotic Arc feature must be created using a combination of a pair of field start and end point features. Records in the Field feature classes will not be transferred to the national dataset and they will not contribute to summary reports.
- PFC Attachments – table of PFC Lentic and Lotic Assessment related documentation and photos.

2.2 USAGE

The PFC assessment protocols are designed to provide a consistent approach for assessing the physical functioning of riparian areas, streams, and wetlands. The protocols also help establish and prioritize management, monitoring, and restoration activities.

Data can be accessed via the NOC Riparian database (https://blmspace.blm.doi.net/oc/intra/drs/Pages/Riparian-Resources-pub.aspx) or via the OR/WA Layer Browser. However, since data is only transferred to the NOC annually, it is recommended you use the data in the OR/WA Layer Browser to get the most current assessment data.

2.3 SPONSOR/AFFECTED PARTIES

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

2.4 RELATIONSHIP TO OTHER DATASETS, DATABASES or FILES

The design of this dataset is based on the BLM National Proper Functioning Condition Assessments for Lotic and Lentic features. Data is transferred from this dataset to the National Operations Center (NOC) on an annual basis. In most cases, the naming conventions of data fields do not meet Oregon/Washington conventions because the fields were named to match the NOC data format. Matching the data format is intended to facilitate easy data transfer.

Features in the PFC feature classes may inherit their geometry and some attributes from the National Hydrography Dataset (NHD), which is maintained and sponsored by the Department of the Interior (DOI), United States Geological Survey (USGS). This geometry inheritance is achieved by referencing PFC attributes along relative positions on USGS NHD features.

2.5 DATA CATEGORY/ARCHITECTURE LINK

These data themes are a portion of the Oregon Data Framework (ODF). The ODF utilizes the concept of inheritance to define specific instances of data. All OR/WA resource-related data are divided into three general categories: Activities, Resources, and 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 that cannot be further sub-divided. Those basic data sets inherit all characteristics of all groups/categories above them. The basic data sets are where physical data gets populated (those groups/categories above them do not contain actual data, but set parameters that all data of that type must follow). See the ODF Overview (figure 2) for a simplified schematic of the entire ODF showing the overall organization and entity inheritance. The PFC 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, PFC is considered an activity and is categorized as follows:

ODF
- Activities
  - Surveys
    - PFC_LENTIC_POLY
    - PFC_LENTIC_PT
    - PFC_LOTIC_ARC
    - PFC_LOTIC_ARC_M
    - PFC_LOTIC_FLD_END_PT
    - PFC_LOTIC_FLD_ST_PT
    - PFC_ATTACH_TBL

Figure 1 provides a graphic representation of the entities and hierarchical relationships.

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

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

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2.7 PFC DATA ORGANIZATION / STRUCTURE

Figure 1 Data Organization Structure

3. DATA MANAGEMENT PROTOCOLS

3.1 ACCURACY REQUIREMENTS

PFC is a qualitative assessment based on quantitative science. Quantitative techniques support the PFC lotic assessment form and lentic checklist, but the 17 assessment items (lotic) and 20 assessment items (lentic) used to determine the functional rating category for streams and riparian-wetland areas are answered Yes, No, Yes and No, and/or N/A. As such, there are no specific accuracy requirements other than the PFC assessments are intended to be performed by trained and experienced interdisciplinary teams. Assessment item answers (Yes/No/N/A) are required for newer PFC data (2017-present) submitted to the National Operations Center (NOC). Legacy assessment data collected prior to 2017 may be submitted to the NOC with null values if specific assessment items were not answered. Assessments containing null values are not included in some national level reporting metrics.

These data have a wide range of spatial accuracies. New and legacy data that is referenced to the National Hydrography Dataset (NHD) may not represent the exact location of the assessment. Newer features, captured with GPS, will have more complete information and more accurate location. Over time the dataset will become more accurate. If during the PFC data collection process, the resource specialist determines that edits are needed to the NHD (either to modify features or add new features), the specialist should work with their GIS specialist to initiate an edit to the NHD through the OSO GIS editing staff.

3.2 COLLECTION, INPUT, AND MAINTENANCE PROTOCOLS

Resource specialists have the option of entering data from survey field forms in the office using Desktop ArcGIS or field-going staff may collect PFC data using the S1 Mobile for Android application. To collect mobile data, a staff member must first obtain the appropriate mobile editor user account within the BLM ArcGIS Online (AGOL) organization. Then, administrators will add PFC mobile editors to the designated group in AGOL which allows them to access the editable feature service. Specific decisions about how to manage AGOL users can be made at the District or Field Office level.

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

When the user returns to the office and re-establishes wireless internet connectivity on the device, they will then choose the option to sync and submit their data from the mobile application. This will add the created, updated, and/or deleted features/records to a BLM SDE Version queue. Authorized editors will then import this mobile version into ArcGIS Desktop, where they will review the data, perform any needed corrections or updates, and submit the version for automated QAQC, reconcile, and posting.

The automated QAQC process performed during version submission will check the version for missing values in required fields, values outside of applied range and/or coded value domains, and other data rules.

3.3 UPDATE FREQUENCY AND ARCHIVAL PROTOCOLS

Data is updated as needed. However, at a minimum all data collected during the fiscal year must be entered into the dataset by the following November 1st so that data may be transferred to the NOC by December 1st. For example, FY 2018 data must be entered by 11/1/2018 so that it can be transferred to the NOC by 12/1/2018. Requirements to submit data to the NOC PFC database are defined in the directive: http://web.blm.gov/internal/wo-500/directives/dir-17/pim2017-009.html.

Data will be captured once a year during the corporate database annual archive, which occurs at the end of the calendar year.

3.4 STATEWIDE MONITORING

Each year, the Resource Science Data team of the BLM Division of Resources, Lands, Minerals and Fire 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 multipart polygons if they are forbidden by the data standard.
- 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 (such as self-intersections).
- Checks for slivers.
- Other checks as necessary (can be customized according to the data standard).
- Check for inconsistently named values in the RPRN_AREA_STRM_NM and RPRN_WTLND_AREA_NM fields.

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

In addition to the annual data QAQC process described above, two separate processes will be developed to:

- Identify features that are not coincident with NHD Hydrography. State office editors will work with district staff to determine if the feature is in the correct location and/or if an edit needs to be initiated to the NHD. If records are reviewed and it is determined that they should not be coincident with an NHD feature, a notation will be added to the QC_REVIEW field.
- Identify features where the REPORT field is set to Y (Yes) for overlapping features. Only the most recent feature should be flagged as REPORT=Y. This is to ensure accurate reporting.

These processes will be run on a schedule to be determined in the future. Processes will be run on the entire dataset, not just records created since the last QC.

4. PFC SCHEMA (simplified)

General Information: Attributes are listed in the order they appear in the geodatabase feature class. The order is an indication of the importance of the attribute for theme definition and use. There are no aliases unless specifically noted. The domains used in this data standard can be found in Appendix A. These are the domains at the time the data standard was approved. Domains can be changed without a re-issue of the data standard. Current domains are found on the internal OR/WA SharePoint data management page. Some of the domains used in this data standard are also available at the following web site: https://www.blm.gov/about/data/oregon-data-management.

For 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.

4.1 PFC_LENTIC_POLY (Proper Functioning Condition Lentic Polygons)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes**	dom_BLM_ORG_CD
RATE_TREND	String	30		Yes**	dom_PFC_RATE_TREND
ID	GUID	38		Yes*	
ASMNT_DT	Date			Yes	
RPRN_WTLND_AREA_NM	String	100		Yes	
AREA_ID	String	50		No	
NWI_NHD_RCH_CD	String	40		No	
ID_TEAM	String	250		Yes	
ASMNT_APRCH	String	50		Yes	dom_PFC_ASMNT_APRCH
AREA_BREAK_RATIONALE	String	200		No	
PTNTL_DESC	String	600		No	
LENTIC_TYPE	String	15		No	dom_PFC_LENTIC_TYPE
SPRING_TYPE	String	15		No	dom_PFC_SPRING_TYPE
PRMRY_LITHOLOGY	String	16		No	dom_PFC_PRMRY_LITHOLOGY
DISCHARGE_PERMANENCE	String	14		No	dom_PFC_DISCHARGE_PERM
DEV_NOTES	String	500		No	
RPRN_WTLND_AREA_SAT	String	6		Yes	dom_PFC_CHKLST
RATIONALE	String	1000		No	
FLUCTUATE_WTR_LVL_NOT_EXCSVE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_2	String	1000		No	
RPRN_WTLND_AREA_ENLRGE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_3	String	1000		No	
WTRSHD_NOT_CONTRIBUTE_DEGRADE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_4	String	1000		No	
WTR_QLTY_SFCNT	String	6		Yes	dom_PFC_CHKLST_NA

RATIONALE_5	String	1000		No	
SRFCE_SBSRFCE_FLOW_NOT_ALT	String	6		Yes	dom_PFC_CHKLST
RATIONALE_6	String	1000		No	
STRCTRE_ACCOMMODATE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_7	String	1000		No	
DVRSE_AGE_DSTRBN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_8	String	1000		No	
DVRSE_CMPSTN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_9	String	1000		No	
SPCS_INDCT_MAINT_SOIL	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_10	String	1000		No	
ROOT_WTHSTND_EVENT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_11	String	1000		No	
RPRN_PLANT_HIGH_VIGOR	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_12	String	1000		No	
VEG_DSPTE_ENERGY	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_13	String	1000		No	
HEAVE_NOT_PRSNT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_14	String	1000		No	
FVRBL_MICROSITE_CND_MAINT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_15	String	1000		No	
CHEM_NOT_AFFECT_PLANT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_16	String	1000		No	
SOIL_SAT_SFCNT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_17	String	1000		No	
WTR_PERCOLATION_RSTRCT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_18	String	1000		No	
RPRN_WTLND_AREA_IN_BAL	String	6		Yes	dom_PFC_CHKLST
RATIONALE_19	String	1000		No	
SHORELINE_CHAR_DSPTE_EVENT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_20	String	1000		No	
RATE_RATIONALE	String	1000		No	
TREND_RATIONALE	String	200		No	
VEG_NOTES	String	1000		No	
FCTR_PRSNT	String	3		No	dom_PFC_YES_NO
CHANNELIZATION	String	3		No	dom_PFC_YES_NO
DEWATERING	String	3		No	dom_PFC_YES_NO
DREDGING	String	3		No	dom_PFC_YES_NO
LND_OWN	String	3		No	dom_PFC_YES_NO
MINING	String	3		No	dom_PFC_YES_NO
ROAD	String	3		No	dom_PFC_YES_NO
SPRING_DEV	String	3		No	dom_PFC_YES_NO
WTRSHD_CND	String	3		No	dom_PFC_YES_NO
OTHER	String	3		No	dom_PFC_YES_NO
FCTR_EXPLN	String	255		No	
REPORT	String	3	YES	Yes	dom_PFC_YESNO
QC_REVIEW	String	4		No	

VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	
REACHCODE	String	14		No***	
PERMANENT_IDENTIFIER	String	40		No***	
EVENTDATE	Date			No***	
REACHSMDATE	Date			No***	
REACHRESOLUTION	Long Integer			No***	dom_NHD_RESOLUTION
GIS_ACRES	Double			No*	

* Values automatically generated
** Enforced during quality control
*** Values automatically assigned by the HEM tools if used.

4.2 PFC_LENTIC_PT (Proper Functioning Condition Lentic Points)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes**	dom_BLM_ORG_CD
RATE_TREND	String	30		Yes**	dom_PFC_RATE_TREND
ID	GUID			Yes*	
ASMNT_DT	Date			Yes	
RPRN_WTLND_AREA_NM	String	100		Yes	
AREA_ID	String	50		No	
NWI_NHD_RCH_CD	String	40		No	
EST_ACRES	Double			No	
ID_TEAM	String	250		Yes	
ASMNT_APRCH	String	50		Yes	dom_PFC_ASMNT_APRCH
AREA_BREAK_RATIONALE	String	200		No	
PTNTL_DESC	String	600		No	
LENTIC_TYPE	String	15		No	dom_PFC_LENTIC_TYPE
SPRING_TYPE	String	15		No	dom_PFC_SPRING_TYPE
PRMRY_LITHOLOGY	String	16		No	dom_PFC_PRMRY_LITHOLOGY
DISCHARGE_PERMANENCE	String	14		No	dom_PFC_DISCHARGE_PERM
DEV_NOTES	String	500		No	
RPRN_WTLND_AREA_SAT	String	6		Yes	dom_PFC_CHKLST
RATIONALE	String	1000		No	
FLUCTUATE_WTR_LVL_NOT_EXCSVE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_2	String	1000		No	
RPRN_WTLND_AREA_ENLRGE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_3	String	1000		No	
WTRSHD_NOT_CONTRIBUTE_DEGRADE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_4	String	1000		No	
WTR_QLTY_SFCNT	String	6		Yes	dom_PFC_CHKLST_NA

RATIONALE_5	String	1000		No	
SRFCE_SBSRFCE_FLOW_NOT_ALT	String	6		Yes	dom_PFC_CHKLST
RATIONALE_6	String	1000		No	
STRCTRE_ACCOMMODATE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_7	String	1000		No	
DVRSE_AGE_DSTRBN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_8	String	1000		No	
DVRSE_CMPSTN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_9	String	1000		No	
SPCS_INDCT_MAINT_SOIL	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_10	String	1000		No	
ROOT_WTHSTND_EVENT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_11	String	1000		No	
RPRN_PLANT_HIGH_VIGOR	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_12	String	1000		No	
VEG_DSPTE_ENERGY	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_13	String	1000		No	
HEAVE_NOT_PRSNT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_14	String	1000		No	
FVRBL_MICROSITE_CND_MAINT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_15	String	1000		No	
CHEM_NOT_AFFECT_PLANT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_16	String	1000		No	
SOIL_SAT_SFCNT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_17	String	1000		No	
WTR_PERCOLATION_RSTRCT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_18	String	1000		No	
RPRN_WTLND_AREA_IN_BAL	String	6		Yes	dom_PFC_CHKLST
RATIONALE_19	String	1000		No	
SHORELINE_CHAR_DSPTE_EVENT	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_20	String	1000		No	
RATE_RATIONALE	String	1000		No	
TREND_RATIONALE	String	200		No	
VEG_NOTES	String	1000		No	
FCTR_PRSNT	String	3		No	dom_PFC_YES_NO
CHANNELIZATION	String	3		No	dom_PFC_YES_NO
DEWATERING	String	3		No	dom_PFC_YES_NO
DREDGING	String	3		No	dom_PFC_YES_NO
LND_OWN	String	3		No	dom_PFC_YES_NO
MINING	String	3		No	dom_PFC_YES_NO
ROAD	String	3		No	dom_PFC_YES_NO
SPRING_DEV	String	3		No	dom_PFC_YES_NO
WTRSHD_CND	String	3		No	dom_PFC_YES_NO
OTHER	String	3		No	dom_PFC_YES_NO
FCTR_EXPLN	String	255		No	
REPORT	String	3	YES	Yes	dom_PFC_YESNO
QC_REVIEW	String	4		No	

VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	
PERMANENT_IDENTIFIER	String	40		No***	
EVENTDATE	Date			No***	
REACHCODE	String	14		No***	
REACHSMDATE	Date			No***	
REACHRESOLUTION	Long Integer			No***	dom_NHD_RESOLUTION
FEATURECLASSREF	Long Integer			No***	
MEASURE	Double			No***	
EVENTOFFSET	Double			No***	
EVENTTYPE	Long Integer			No***	

* Values automatically generated
** Enforced during quality control
*** Values automatically assigned by the HEM tools if used.

4.3 PFC_LOTIC_ARC (Proper Functioning Condition Lotic Arcs)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes**	dom_BLM_ORG_CD
RATE_TREND	String	30		Yes**	dom_PFC_RATE_TREND
ID	GUID			Yes*	
ASMNT_DT	Date			Yes	
RPRN_AREA_STRM_NM	String	100		Yes	
REACH_ID	String	50		No	
NHD_RCH_CD	String	40		No	
ID_TEAM	String	250		Yes	
ASMNT_APRCH	String	50		Yes	dom_PFC_ASMNT_APRCH
REACH_BREAK_RATIONALE	String	200		No	
PTNTL_DESC	String	600		No	
FLOW	String	50		No	dom_PFC_FLOW
FLOODPLAIN_INUNDATED	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_1	String	1000		No	
STABLE_BEAVER_DAM	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_2	String	1000		No	
SINUOSITY_WIDTH_DEPTH_GRADE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_3	String	1000		No	
RPRN_AREA_EXPND	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_4	String	1000		No	
WTRSHD_NOT_CONTRIBUTE_IMPAIR	String	6		Yes	dom_PFC_CHKLST
RATIONALE_5	String	1000		No	
STABLE_RPRN_VEG	String	6		Yes	dom_PFC_CHKLST_NA

RATIONALE_6	String	1000		No	
RCRT_STABLE_RPRN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_7	String	1000		No	
SPCS_INDCT_RPRN	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_8	String	1000		No	
ROOTS_WTHSTND_HI_FLOW	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_9	String	1000		No	
VEG_HIGH_VIGOR	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_10	String	1000		No	
VEG_PRTCT_BANKS	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_11	String	1000		No	
WOODY_MAT_SOURCE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_12	String	1000		No	
CHAR_ADEQUATE_DSPTE_ENERGY	String	6		Yes	dom_PFC_CHKLST
RATIONALE_13	String	1000		No	
POINT_BARS_REVEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_14	String	1000		No	
BANK_LTRLY_STABLE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_15	String	1000		No	
STRM_NOT_INCISING	String	6		Yes	dom_PFC_CHKLST
RATIONALE_16	String	1000		No	
STRM_BLNCD	String	6		Yes	dom_PFC_CHKLST
RATIONALE_17	String	1000		No	
RATE_RATIONALE	String	1000		No	
TREND_RATIONALE	String	200		No	
VEG_NOTES	String	1000		No	
FCTR_PRSNT	String	3		No	dom_PFC_YES_NO
AGMNT_FLOWS	String	3		No	dom_PFC_YES_NO
CHANNELIZATION	String	3		No	dom_PFC_YES_NO
FLOW_REG	String	3		No	dom_PFC_YES_NO
MINING	String	3		No	dom_PFC_YES_NO
OIL_FIELD_DSCHRGE	String	3		No	dom_PFC_YES_NO
ROAD	String	3		No	dom_PFC_YES_NO
UPSTRM_CHNL_CND	String	3		No	dom_PFC_YES_NO
OTHER	String	3		No	dom_PFC_YES_NO
FCTR_EXPLN	String	255		No	
REPORT	String	3	YES	Yes	dom_PFC_YESNO
QC_REVIEW	String	4		No	
VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	
EVENTDATE	Date			No***	
REACHRESOLUTION	Long Integer			No***	dom_NHD_RESOLUTION
FMEASURE	Double			No***	
TMEASURE	Double			No***	

EVENTOFFSET	Double			No***	
PERMANENT_IDENTIFIER	String	40		No***	
FREACHCODE	String	14		No***	
TREACHCODE	String	14		No***	
GIS_MILES	Double			No*	

* Values automatically generated
** Enforced during quality control
*** Values automatically assigned by the HEM tools if used.

4.3 PFC_LOTIC_ARC_M (Proper Functioning Condition Lotic Arc Measure Table)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
REACHCODE	String	14		Yes***	
REACHSMDATE	Date			Yes***	
FMEASURE	Double			Yes***	
TMEASURE	Double			Yes***	
PERMANENT_IDENTIFIER	String	40		Yes***	
VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	

* Values automatically generated
** Enforced during quality control
*** Values automatically assigned by the HEM tools if used.

4.4 PFC_LOTIC_FLD_END_PT (Proper Functioning Condition Lotic End Point)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes**	dom_BLM_ORG_CD
RATE_TREND	String	30		Yes**	dom_PFC_RATE_TREND
ID	GUID			Yes*	
ASMNT_DT	Date			Yes	
RPRN_AREA_STRM_NM	String	100		Yes	
REACH_ID	String	50		No	
NHD_RCH_CD	String	40		No	
ID_TEAM	String	250		Yes	
ASMNT_APRCH	String	50		Yes	dom_PFC_ASMNT_APRCH
REACH_BREAK_RATIONALE	String	200		No	
PTNTL_DESC	String	600		No	
FLOW	String	50		No	dom_PFC_FLOW
FLOODPLAIN_INUNDATED	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_1	String	1000		No	
STABLE_BEAVER_DAM	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_2	String	1000		No	

SINUOSITY_WIDTH_DEPTH_GRADE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_3	String	1000		No	
RPRN_AREA_EXPND	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_4	String	1000		No	
WTRSHD_NOT_CONTRIBUTE_IMPAIR	String	6		Yes	dom_PFC_CHKLST
RATIONALE_5	String	1000		No	
STABLE_RPRN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_6	String	1000		No	
RCRT_STABLE_RPRN_VEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_7	String	1000		No	
SPCS_INDCT_RPRN	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_8	String	1000		No	
ROOTS_WTHSTND_HI_FLOW	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_9	String	1000		No	
VEG_HIGH_VIGOR	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_10	String	1000		No	
VEG_PRTCT_BANKS	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_11	String	1000		No	
WOODY_MAT_SOURCE	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_12	String	1000		No	
CHAR_ADEQUATE_DSPTE_ENERGY	String	6		Yes	dom_PFC_CHKLST
RATIONALE_13	String	1000		No	
POINT_BARS_REVEG	String	6		Yes	dom_PFC_CHKLST_NA
RATIONALE_14	String	1000		No	
BANK_LTRLY_STABLE	String	6		Yes	dom_PFC_CHKLST
RATIONALE_15	String	1000		No	
STRM_NOT_INCISING	String	6		Yes	dom_PFC_CHKLST
RATIONALE_16	String	1000		No	
STRM_BLNCD	String	6		Yes	dom_PFC_CHKLST
RATIONALE_17	String	1000		No	
RATE_RATIONALE	String	1000		No	
TREND_RATIONALE	String	200		No	
VEG_NOTES	String	1000		No	
FCTR_PRSNT	String	3		No	dom_PFC_YES_NO
AGMNT_FLOWS	String	3		No	dom_PFC_YES_NO
CHANNELIZATION	String	3		No	dom_PFC_YES_NO
FLOW_REG	String	3		No	dom_PFC_YES_NO
MINING	String	3		No	dom_PFC_YES_NO
OIL_FIELD_DSCHRGE	String	3		No	dom_PFC_YES_NO
ROAD	String	3		No	dom_PFC_YES_NO
UPSTRM_CHNL_CND	String	3		No	dom_PFC_YES_NO
OTHER	String	3		No	dom_PFC_YES_NO
FCTR_EXPLN	String	255		No	
REPORT	String	3	YES	Yes	dom_PFC_YESNO
VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	

LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	

* Values automatically generated
** Enforced during quality control

4.5 PFC_LOTIC_FLD_ST_PT (Proper Functioning Condition Lotic Start Point)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
BLM_ORG_CD	String	5		Yes**	dom_BLM_ORG_CD
ASMNT_DT	Date			Yes	
RPRN_AREA_STRM_NM	String	100		Yes	
REACH_ID	String	50		No	
VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	

* Values automatically generated
** Enforced during quality control

4.5 PFC_ATTACH_TBL (Proper Functioning Condition Attachment Table)

Attribute Name	Data Type	Length	Default Value	Required?	Domain
ATCH_ID	GUID			Yes*	
ATCH_NUM	Double			No	
ID	GUID			Yes*	
RPRN_AREA_STRM_NM	String	100		No	
ATCH_IMG_FLNM	String	250		Yes	
ATCH_RSN	String	250		No	
LOC_IMAGE_TAKEN_FROM	String	250		No	
IMG_DIR_CD	String	6		No	dom_PFC_IMG_DIR_CD
IMG_TAKEN_BY	String	25		No	
IMG_TAKEN_DT	Date			No	
COMMENTS	String	250		No	
ATCH_STRGE_LOC	String	250		Yes	
VERSION_NAME	String	50	InitialLoad	Yes*	
CREATED_USER	String	30		No*	
CREATED_DATE	Date			No*	
LAST_EDITED_USER	String	30		No*	
LAST_EDITED_DATE	Date			No*	

* Values automatically generated
** Enforced during quality control

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.

6. SPATIAL ENTITY CHARACTERISTICS

6.1 PFC_LENTIC_POLY

Feature class alias: Proper Functioning Condition Lentic Polygons
Description: Instance of Surveys within the Activities group.
Geometry: Polygon; scattered small areas.
Topology: No topology enforced. Overlapping features are allowed.
Integration Requirements: None. Polygon features may be coincident with the NHD Waterbody dataset. Coincidence may be maintained using the HEM Tools.

6.2 PFC_LENTIC_PT

Feature class alias: Proper Functioning Condition Lentic Points
Description: Instance of Surveys within the Activities group.
Geometry: Point.
Topology: No topology enforced. Overlapping features are allowed.
Integration Requirements: None. Point features may be coincident with the NHD Point or the NHD Flowline dataset. Coincidence may be maintained using the HEM Tools.

6.3 PFC_LOTIC_ARC

Feature class alias: Proper Functioning Condition Lotic Arcs
Description: Instance of Surveys within the Activities group.
Geometry: Line.
Topology: No topology enforced. Overlapping features are allowed.
Integration Requirements: None. Line features may be coincident with the NHD Flowline dataset. Coincidence may be maintained using the HEM Tools.

6.4 PFC_LOTIC_FLD_END_PT

Feature class alias: Proper Functioning Condition Lotic End Point
Description: Instance of Surveys within the Activities group.
Geometry: Point.
Topology: No topology enforced. Overlapping features are allowed.
Integration Requirements: None. Point features may be coincident with the NHD Flowline dataset. Coincidence may be maintained using the HEM Tools.

6.5 PFC_LOTIC_FLD_ST_PT

Feature class alias: Proper Functioning Condition Lotic Start Point
Description: Instance of Surveys within the Activities group.
Geometry: Point.
Topology: No topology enforced. Overlapping features are allowed.

Integration Requirements: None. Point features may be coincident with the NHD Flowline dataset. Coincidence may be maintained using the HEM Tools.

7. ATTRIBUTE CHARACTERISTICS AND DEFINITION (In alphabetical order)

7.1 AGMNT_FLOWS

Geodatabase Name	AGMNT_FLOWS
BLM Structured Name	Proper_Functioning_Condition_Augmented_Flows_Code
Alias Name	Augmented Flows
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Existence of augmented flows.
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.2 ATCH_ID

Geodatabase Name	ATCH_ID
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_Identifier
Alias Name	Attachment / Image Identifier
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Unique identifier for the attachment automatically populated.
Required/Optional	Required
Domain (Valid Values)	No Domain. Examples: “{A317BEC7-41D0-4326-B252-7910A3B12DBE}”, “{E74CA99D-840C-420A-81D3-B8890E052272}”
Data Type	GUID

7.3 ATCH_IMG_FLNM

Geodatabase Name	ATCH_IMG_FLNM
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_File_Name_Text
Alias Name	Attachment / Image File Name +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL

Definition	Filename in folder structure of the attachment or image. It is recommended that districts devise a naming strategy for files. For example, a file name that includes the hydrographic feature name and assessment date, such as: "AlamosaRiverUpper, 7.13.05.pdf."
Required/Optional	Required
Domain (Valid Values)	No Domain. Examples: "DSCN3550_20150528_170630.JPG", "AlamosaRiverUpper, 7.13.05.pdf"
Data Type	String (250)

7.4 ATCH_NUM

Geodatabase Name	ATCH_NUM
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_Number
Alias Name	Attachment / Image Number
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Attachment / Image Number
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples: 5, 1
Data Type	Double

7.5 ATCH_RSN

Geodatabase Name	ATCH_RSN
BLM Structured Name	Proper_Functioning_Condition_Attachment_Reason_Text
Alias Name	Reason for Attachment / Image Taken
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Reason for Attachment / Image Taken
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples:
Data Type	String (250)

7.6 ATCH_STRGE_LOC

Geodatabase Name	ATCH_STRGE_LOC

BLM Structured Name	Proper_Functioning_Condition_Attachment_Storage_Location_Text
Alias Name	Attachment / Image Storage Location +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	File path of the attachment.
Required/Optional	Required
Domain (Valid Values)	No Domain. Examples:
Data Type	String (250)

7.7 BLM_ORG_CD

Geodatabase Name	BLM_ORG_CD
BLM Structured Name	Administrative_Unit_Organization_Code
Alias Name	BLM Org Code +
Inheritance	Inherited from Entity ODF
Feature Class Use/Entity Table	All feature classes
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. Another agency or individual may have the physical management responsibility for the on-the-ground entity. This field applies particularly when a spatial entity crosses resource area or district boundaries and the administrative responsibility is assigned to one or the other rather than splitting the spatial unit. Similarly, OR/WA BLM may have administrative responsibility over some area that is physically located in Nevada, Idaho, and California and vice versa. When appropriate, the office can be identified only to the district or state level rather than to the resource area level.
Required/Optional	Required
Domain (Valid Values)	dom_BLM_ORG_CD
Data Type	String (5)

7.8 AREA_BREAK_RATIONALE

Geodatabase Name	AREA_BREAK_RATIONALE
BLM Structured Name	Proper_Functioning_Condition_Area_Break_Rationale_Text
Alias Name	Area Break Rationale

Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Rationale for break of area where the assessment was performed.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "private boundary, no fence", "allotment fence"
Data Type	String (200)

7.9 AREA_ID

Geodatabase Name	AREA_ID
BLM Structured Name	Proper_Functioning_Condition_Area_Identifier
Alias Name	Area Identifier
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Identifier of the lentic area.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "W1", "W37"
Data Type	String (50)

7.10 ASMNT_APRCH

Geodatabase Name	ASMNT_APRCH
BLM Structured Name	Proper_Functioning_Condition_Assessment_Approach_Code
Alias Name	Assessment Approach +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Description of the approach to the assessment. Complete reconnaissance, selective inspection of representative areas, selective inspection of representative areas or remote sensing - imagery with selective ground inspection.
Required/Optional	Required
Domain (Valid Values)	dom_PFC_ASMNT_APRCH
Data Type	String (50)

7.11 ASMNT_DT

Geodatabase Name	ASMNT_DT

BLM Structured Name	Proper_Functioning_Condition_Assessment_Date
Alias Name	Assessment Date +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT, PFC_LOTIC_FLD_ST_PT
Definition	Date Assessment was conducted
Required/Optional	Required
Domain (Valid Values)	No domain. Examples: 5/10/2017, 10/21/2000
Data Type	Date

7.12 BANK_LTRLY_STABLE

Geodatabase Name	BANK_LTRLY_STABLE
BLM Structured Name	Proper_Functioning_Condition_Bank_Laterally_Stable_Code
Alias Name	15. Streambanks are Laterally Stable +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 15 from datasheet for PFC lotic area assessments. “Streambanks are laterally stable.” (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.13 CHANNELIZATION

Geodatabase Name	CHANNELIZATION
BLM Structured Name	Proper_Functioning_Condition_Channelization_Code
Alias Name	Channelization
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Is the external factor of channelization present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.14 CHAR_ADEQUATE_DSPTE_ENERGY

Geodatabase Name	CHAR_ADEQUATE_DSPTE_ENERGY
BLM Structured Name	Proper_Functioning_Condition_Characteristics_Adequate_Dissipate_Energy_Code
Alias Name	13. Characteristics Adequate to Dissipate Energy +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 13 from datasheet for PFC lotic area assessments. “Floodplain and channel characteristics (i.e., rocks, woody material, vegetation, floodplain size, overflow channels) are adequate to dissipate energy.” (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.15 CHEM_NOT_AFFECT_PLANT

Geodatabase Name	CHEM_NOT_AFFECT_PLANT
BLM Structured Name	Proper_Functioning_Condition_Accumulation_Chemicals_Affecting_Plants_Not_Apparent_Code
Alias Name	16. Accumulation of Chemicals Affecting Plants Not Apparent +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Question 16 from datasheet for PFC lentic area assessments. “Accumulation of chemicals affecting plant productivity/composition is not apparent.” (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.16 COMMENTS

Geodatabase Name	COMMENTS
BLM Structured Name	Attachment_Comments_Text
Alias Name	Attachment / Image Comments
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Comments about the attachment or image.
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples:
Data Type	String (250)

7.17 CREATED_DATE

Geodatabase Name	CREATED_DATE
BLM Structured Name	Created_Date
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	All feature classes and tables.
Definition	Date the record was created in the database. Automatically populated by the desktop and mobile software. Date may be different from the PFC Assessment Date.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 5/23/2017, 1/1/2010
Data Type	Date

7.18 CREATED_USER

Geodatabase Name	CREATED_USER
BLM Structured Name	Created_User_Name
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	All feature classes and tables
Definition	Database user name for the person who created the record in the database. Automatically populated by the desktop and mobile software.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: dbakerallum, r1moore
Data Type	String (30)

7.19 DEV_NOTES

Geodatabase Name	DEV_NOTES

BLM Structured Name	Development_Notes_Text
Alias Name	Development Notes
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Development Notes
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: "Has the stream been channelized? Is there a diversion upstream from the reach? Is there a dam present upstream of reach that is affecting flow?"
Data Type	String (500)

7.20 DEWATERING

Geodatabase Name	DEWATERING
BLM Structured Name	Proper_Functioning_Condition_Dewatering_Code
Alias Name	Dewatering
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Is the external factor of dewatering present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.21 DISCHARGE_PERMANENCE

Geodatabase Name	DISCHARGE_PERMANENCE
BLM Structured Name	Proper_Functioning_Condition_Discharge_Permanence_Code
Alias Name	Discharge Permanence
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Status of the permanence of discharge (e.g. perennial, intermittent, dry or not determined).
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_DISCHARGE_PERM
Data Type	String (14)

7.22 DREDGING

Geodatabase Name	DREDGING
BLM Structured Name	Proper_Functioning_Condition_Dredging_Activities_Code
Alias Name	Dredging Activities
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Is the external factor of dredging activities present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.23 DVRSE_AGE_DSTRBN_VEG

Geodatabase Name	DVRSE_AGE_DSTRBN_VEG
BLM Structured Name	Proper_Functioning_Condition_Diverse_Age-Class_Vegetation_Distribution_Code
Alias Name	8. Diverse Age-Class Distribution of Vegetation +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Question 8 from datasheet for PFC lentic area assessments. “There is diverse age-class distribution of riparian-wetland vegetation (recruitment for maintenance/recovery).” (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.24 DVRSE_CMPSTN_VEG

Geodatabase Name	DVRSE_CMPSTN_VEG
BLM Structured Name	Proper_Functioning_Condition_Diverse_Composition_Vegetation _Code
Alias Name	9. Diverse Composition of Vegetation +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Question 9 from datasheet for PFC lentic area assessments “There is diverse composition of riparian-wetland vegetation (for maintenance/recovery).” (Prichard et al. 2003)

Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.25 EST_ACRES

Geodatabase Name	EST_ACRES
BLM Structured Name	Proper_Functioning_Condition_Estimated_Acres_Number
Alias Name	Estimated Acres
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT
Definition	The estimated area (in acres) for a point assessment.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 2.1, 5
Data Type	Double

7.26 EVENTDATE

Geodatabase Name	EVENTDATE
BLM Structured Name	National_Hydrography_Dataset_Event_Date
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC
Definition	The date the event record was created or last modified by the HEM tools. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 5/1/2018, 12/30/2010
Data Type	Date

7.27 EVENTOFFSET

Geodatabase Name	EVENTOFFSET
BLM Structured Name	National_Hydrography_Dataset_Event_Offset_Number
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LOTIC_ARC

Definition	The distance from the stream network to be used to display the event. Negative offsets display the event to the left of the network and positive offsets display the event to the right of the line. Offsets are useful for displaying overlapping events. Inherited from the NHD data model. The default value for this field is 0 (zero).
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 0, 1
Data Type	Double

7.28 EVENTTYPE

Geodatabase Name	EVENTTYPE
BLM Structured Name	National_Hydrography_Dataset_Event_Type_Number
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT
Definition	Type of entity in an event.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 1
Data Type	Long Integer

7.29 FCTR_EXPLN

Geodatabase Name	FCTR_EXPLN
BLM Structured Name	Proper_Functioning_Condition_Factors_Preventing_PFC_Text
Alias Name	Explain Factors Preventing PFC
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Explanation of external factors preventing proper functioning condition.
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: “Limited water availability.”
Data Type	String (255)

7.30 FCTR_PRSNT

Geodatabase Name	FCTR_PRSNT
BLM Structured Name	Proper_Functioning_Condition_Factors_Present_Code

Alias Name	Are factors contributing to unacceptable conditions outside manager's control?
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Are factors contributing to unacceptable conditions outside manager's control?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.31 FEATURECLASSREF

Geodatabase Name	FEATURECLASSREF
BLM Structured Name	National_Hydrography_Dataset_Feature_Classs_Reference_Number
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT
Definition	NHD feature class that holds FeatureComID.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 1
Data Type	Long Integer

7.32 FLOODPLAIN_INUNDATED

Geodatabase Name	FLOODPLAIN_INUNDATED
BLM Structured Name	Proper_Functioning_Condition_Floodplain_Inundated_Code
Alias Name	1. Floodplain is inundated +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 1 from datasheet for PFC lotic area assessments. "Addresses whether the stream has access to the floodplain and can spread out during high-flow events to dissipate energy." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.33 FLOW

Geodatabase Name	FLOW
BLM Structured Name	Proper_Functioning_Condition_Flow_Code
Alias Name	Flow
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Captures the transition point of the **temporal** expression of stream flow. A stream can be either perennial or intermittent. Perennial streams generally have flow on a year-round basis. Intermittent streams are temporally interrupted, normally going dry for a period for three or more months in a given year. The periodicity of a stream is determined by the dominant or the most representative features within a reach. Precipitation and snowmelt are the primary drivers of stream flow. Precipitation and discharge drop to seasonally low levels in the late summer. Normal precipitation is the average of precipitation values over a 30-year period. The transition from a perennial stream (i.e., a stream that has running water on a year-round basis during a year of at least normal precipitation) to an intermittent stream with a dry channel is variable from year to year and is dependent on total precipitation, substrate, and upstream land management effects. Although the stream survey date in itself won't affect a stream's periodicity, it can influence the surveyor who may or may not be able to key in on biological and physical indicators which are not always present at all locations or evident at all times.
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_FLOW
Data Type	String (50)

7.34 FLOW_REG

Geodatabase Name	FLOW_REG
BLM Structured Name	Proper_Functioning_Condition_Flow_Regulations_Code
Alias Name	Flow Regulations
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Is the external factor of flow regulations present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO

Data Type	String (3)

7.35 FLUCTUATE_WTR_LVL_NOT_EXCSVE

Geodatabase Name	FLUCTUATE_WTR_LVL_NOT_EXCSVE
BLM Structured Name	Proper_Functioning_Condition_Fluctuate_Water_Levels_Not_Excessive_Code
Alias Name	2. Fluctuation of Water Levels Not Excessive +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Question 2 from datasheet for PFC lentic area assessments. "Fluctuation of water levels is not excessive." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.36 FMEASURE

Geodatabase Name	FMEASURE
BLM Structured Name	National_Hydrography_Dataset_From_Measure_Number
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_ARC_M
Definition	Measure along the NHD Flowline, in percent from downstream end, where the feature begins (from). Values are rounded to five decimal places. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples: "0", "5.75415"
Data Type	Double

7.37 FREACHCODE

Geodatabase Name	FREACHCODE
BLM Structured Name	National_Hydrography_Dataset_From_Reach_Code
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LOTIC_ARC

Definition	The ReachCode value for the NHD feature (Flowline or Waterbody) that the starting point of the record references. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "17100311007609", "17100306002623"
Data Type	String (14)

7.38 FVRBL_MICROSITE_CND_MAINT

Geodatabase Name	FVRBL_MICROSITE_CND_MAINT
BLM Structured Name	Proper_Functioning_Condition_Microsite_Conditioned_Maintained_Code
Alias Name	15. Favorable Microsite Condition Maintained +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 15 from datasheet for PFC lentic area assessments. "Favorable microsite condition (i.e., woody material, water temperature, etc.) is maintained by adjacent site characteristics." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.39 GIS_ACRES

Geodatabase Name	GIS_ACRES
BLM Structured Name	GIS_Acres_Measure
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY
Definition	The area of a polygon as calculated by GIS in acres. The value is automatically calculated when the feature is created and modified. The BLM_ORG_CD is used to determine the appropriate projection.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Double

7.40 GIS_MILES

Geodatabase Name	GIS_MILES

BLM Structured Name	GIS_Miles_Measure
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC
Definition	The length of a line as calculated by GIS in miles. The value is automatically calculated when the feature is created and modified. The BLM_ORG_CD is used to determine the appropriate projection.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Double

7.41 HEAVE_NOT_PRSNT

Geodatabase Name	HEAVE_NOT_PRSNT
BLM Structured Name	Proper_Functioning_Condition_Heaving_Not_Present_Code
Alias Name	14. Frost/Abnormal Hydrologic Heaving Not Present +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Question 14 from datasheet for PFC lentic area assessments. “Frost or abnormal hydrologic heaving is not present.” (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.42 ID

Geodatabase Name	ID
BLM Structured Name	Proper_Functioning_Condition_Identifier
Alias Name	Identifier *
Inheritance	Not Inherited
Feature Class Use/Entity Table	All feature classes and tables
Definition	Unique identifier for the assessment. (This is a GUID field but not a global ID.)
Required/Optional	Required

Domain (Valid Values)	No Domain. Examples: "{A317BEC7-41D0-4326-B252-7910A3B12DBE}", "{E74CA99D-840C-420A-81D3-B8890E052272}"
Data Type	GUID

7.43 ID_TEAM

Geodatabase Name	ID_TEAM
BLM Structured Name	Proper_Functioning_Condition_Observers_Text
Alias Name	ID Team Observers +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Name of each of the observers conducting the assessment.
Required/Optional	Required
Domain (Valid Values)	No domain. Examples: "UNKNOWN", "LEAL, FERREL"
Data Type	String (250)

7.44 IMG_DIR_CD

Geodatabase Name	IMG_DIR_CD
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_Direction_Code
Alias Name	Direction Image Was Taken From
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Direction the image was taken from.
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_IMG_DIR_CD
Data Type	String (6)

7.45 IMG_TAKEN_BY

Geodatabase Name	IMG_TAKEN_BY
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_Taken_By_Text
Alias Name	Image Taken By Name
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL

Definition	Name of person who took the image.
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples: "John Doe", "Mary Smith"
Data Type	String (25)

7.46 IMG_TAKEN_DT

Geodatabase Name	IMG_TAKEN_DT
BLM Structured Name	Proper_Functioning_Condition_Attachment_Image_Taken_Date
Alias Name	Image Taken Date
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Date the image was taken.
Required/Optional	Optional
Domain (Valid Values)	No Domain. Examples: 1/1/2018, 10/29/2007
Data Type	Date

7.47 LAST_EDITED_DATE

Geodatabase Name	LAST_EDITED_DATE
BLM Structured Name	Last_Edited_Date
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	All feature classes and tables
Definition	Date the record was last modified in the database. Automatically populated by the desktop and mobile software. Date may be different from the PFC Assessment Date.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 5/23/2017, 1/1/2010
Data Type	Date

7.48 LAST_EDITED_USER

Geodatabase Name	LAST_EDITED_USER
BLM Structured Name	Last_Edited_User_Name

Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	All feature classes and tables
Definition	Database user name for the person who last edited the record in the database. Automatically populated by the desktop and mobile software.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: dbakerallum, r1moore
Data Type	String (30)

7.49 LENTIC_TYPE

Geodatabase Name	LENTIC_TYPE
BLM Structured Name	Proper_Functioning_Condition_Lentic_Type_Code
Alias Name	Lentic Type
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Type of lentic area: wet meadow, spring/seep, pond/lake, or other.
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_LENTIC_TYPE
Data Type	String (15)

7.50 LND_OWN

Geodatabase Name	LND_OWN
BLM Structured Name	Proper_Functioning_Condition_Land_Ownership_Code
Alias Name	Land Ownership
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Is the external factor of land ownership present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.51 LOC_IMAGE_TAKEN_FROM

Geodatabase Name	LOC_IMAGE_TAKEN_FROM

BLM Structured Name	Proper_Functioning_Condition_Attachment_Location_Image_Taken_Text
Alias Name	Location Image Taken From (GPS Coordinates or description)
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_ATTACH_TBL
Definition	Description of the location the image was taken from (GPS Coordinates or description).
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (250)

7.52 MEASURE

Geodatabase Name	MEASURE
BLM Structured Name	National_Hydrography_Dataset_Measure_Number
Alias Name	None
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT
Definition	If the point is related to an NHD Flowline feature, this is the measure along the NHD Flowline, in percent from downstream end, where the point feature occurs. If the point is related to an NHD Point feature, such as a spring or seep, the measure will be set to zero. Values are rounded to five decimal places. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: “0”, “5.75415”
Data Type	Double

7.53 MINING

Geodatabase Name	MINING
BLM Structured Name	Proper_Functioning_Condition_Mining_Code
Alias Name	Mining Activities
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Is the external factor of mining activities present?
Required/Optional	Optional

Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.54 NHD_RCH_CD

Geodatabase Name	NHD_RCH_CD
BLM Structured Name	Proper_Functioning_Condition_Reach_Code
Alias Name	National Hydrography Dataset Reach Code
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	National Hydrography Dataset Reach Code
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: “17100311007609”, “17100306002623”
Data Type	String (50)

7.55 NWI_NHD_RCH_CD

Geodatabase Name	NWI_NHD_RCH_CD
BLM Structured Name	Proper_Functioning_Condition_National_Wetlands_Inventory_Reach_Code
Alias Name	National Wetlands Inventory Classification Code or National Hydrography Dataset Reach Code
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	National Wetlands Inventory Classification Code or National Hydrography Dataset Reach Code
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: “17100311007609”, “17100306002623”
Data Type	String (50)

7.56 OIL_FIELD_DSCHRGE

Geodatabase Name	OIL_FIELD_DSCHRGE
BLM Structured Name	Proper_Functioning_Condition_Oil_Field_Discharge_Code
Alias Name	Oil Field Water Discharge
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT

Definition	Is the external factor of oil field water discharge present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.57 OTHER

Geodatabase Name	OTHER
BLM Structured Name	Proper_Functioning_Condition_Other_Code
Alias Name	Other (Specify in FCTR_EXPLN)
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Are there other external factors present? These need to be specified in the FCTR_EXPLN attribute.
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.58 PERMANENT_IDENTIFIER

Geodatabase Name	PERMANENT_IDENTIFIER
BLM Structured Name	National_Hydrography_Permanent_Global_Unique_Identifier
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	40-char GUID value that uniquely identifies the occurrence of each feature. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: “{A317BEC7-41D0-4326-B252-7910A3B12DBE}”, “{E74CA99D-840C-420A-81D3-B8890E052272}”
Data Type	String (40)

7.59 POINT_BARS_REVEG

Geodatabase Name	POINT_BARS_REVEG
BLM Structured Name	Proper_Functioning_Condition_Point_Bars_Revegetating_Code
Alias Name	14. Point Bars are Revegetating +
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 14 from datasheet for PFC lotic area assessments. "Point bars are revegetating with stabilizing riparian plants." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.60 PRMRY_LITHOLOGY

Geodatabase Name	PRMRY_LITHOLOGY
BLM Structured Name	Proper_Functioning_Condition_Primary_Lithology_Code
Alias Name	Primary Lithology
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Primary lithology for the area, (e.g. Sedimentary).
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_PRMRY_LITHOLOGY
Data Type	String (16)

7.61 PTNTL_DESC

Geodatabase Name	PTNTL_DESC
BLM Structured Name	Proper_Functioning_Condition_Potential_Description_Text
Alias Name	Potential Description
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Description of the area's potential condition.
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: "The existing hydrological, vegetative, and geomorphic conditions allow for..."
Data Type	String (600)

7.62 QC_REVIEW

Geodatabase Name	QC_REVIEW
BLM Structured Name	Proper_Functioning_Condition_Quality_Control_Review_Text

Alias Name	QC Review
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC
Definition	Field used for data management to indicate if the record has been spatially reviewed and compared against the NHD dataset.
Required/Optional	Optional
Domain (Valid Values)	No domain.
Data Type	String (4)

7.63 RATE_RATIONALE

Geodatabase Name	RATE_RATIONALE
BLM Structured Name	Proper_Functioning_Condition_Rating_Rationale_Text
Alias Name	Rating Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Text description of the rationale for the rating given.
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: "Headcuts are present within the reach. The vegetative condition within the reach is at potential natural condition (PNC)."
Data Type	String (1000)

7.64 RATE_TREND

Geodatabase Name	RATE_TREND
BLM Structured Name	Proper_Functioning_Condition_Rating_Trend_Code
Alias Name	Functional Rating and Trend +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Functional rating and trend at time of assessment. "After documenting their observations on the assessment form, the ID team collectively determines a functional rating based on review and discussion of their "yes" and "no" responses and their documented comments for each item on the form. The ID team assigns the rating that most appropriately corresponds to how the assessment items were addressed: proper functioning condition, functional–at risk, or nonfunctional." (Dickard et al. 2015)
Required/Optional	Required

Domain (Valid Values)	dom_PFC_RATE_TREND
Data Type	String (30)

7.65 RATIONALE

Geodatabase Name	RATIONALE
BLM Structured Name	Proper_Functioning_Condition_Rationale_Text
Alias Name	1. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "10 year water cycle, water usually present 6-7 years/10", "Upper portions spring fed and maintained, closer to lake wetlands maintained by sub-irrigation from lake."
Data Type	String (1000)

7.66 RATIONALE_1

Geodatabase Name	RATIONALE_1
BLM Structured Name	Proper_Functioning_Condition_Rationale1_Text
Alias Name	1. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "In places- especially in lower part but upper part is incised.", "Overall, there wasn't evidence of the floodplain being inundated (although the channel isn't incised)."
Data Type	String (1000)

7.67 RATIONALE_10

Geodatabase Name	RATIONALE_10
BLM Structured Name	Proper_Functioning_Condition_Rationale10_Text
Alias Name	10. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT

Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Starting to show signs of improved vigor.", "The few willows observed were healthy."
Data Type	String (1000)

7.68 RATIONALE_11

Geodatabase Name	RATIONALE_11
BLM Structured Name	Proper_Functioning_Condition_Rationale11_Text
Alias Name	11. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "40% cover needs 70%", "A lot of the banks did not have vegetation."
Data Type	String (1000)

7.69 RATIONALE_12

Geodatabase Name	RATIONALE_12
BLM Structured Name	Proper_Functioning_Condition_Rationale12_Text
Alias Name	12. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Not a large wood system.", "There was quite a bit of LWM in the channel an there are many nearby trees."
Data Type	String (1000)

7.70 RATIONALE_13

Geodatabase Name	RATIONALE_13
BLM Structured Name	Proper_Functioning_Condition_Rationale13_Text
Alias Name	13. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT

Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Incised in upper part, overflow channels not well stabilized, needs more willow, ash…", "The accessible floodplain and large rocks are adequate to dissipate energy."
Data Type	String (1000)

7.71 RATIONALE_14

Geodatabase Name	RATIONALE_14
BLM Structured Name	Proper_Functioning_Condition_Rationale14_Text
Alias Name	14. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Where they exist but few are present.", "Overall, the point bars were not revegetating."
Data Type	String (1000)

7.72 RATIONALE_15

Geodatabase Name	RATIONALE_15
BLM Structured Name	Proper_Functioning_Condition_Rationale15_Text
Alias Name	15. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "In places but in others stream is trying to widen because of bedload and midchannel bars.", "Channel jumps with flow not to increase meander."
Data Type	String (1000)

7.73 RATIONALE_16

Geodatabase Name	RATIONALE_16
BLM Structured Name	Proper_Functioning_Condition_Rationale16_Text
Alias Name	16. Rationale
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Rock and gravel bottom that appears stable.", "No headcuts were present."
Data Type	String (1000)

7.74 RATIONALE_17

Geodatabase Name	RATIONALE_17
BLM Structured Name	Proper_Functioning_Condition_Rationale17_Text
Alias Name	17. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Sediment is high.", "There wasn't excessive erosion or deposition."
Data Type	String (1000)

7.75 RATIONALE_18

Geodatabase Name	RATIONALE_18
BLM Structured Name	Proper_Functioning_Condition_Rationale18_Text
Alias Name	18. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Vesicular crust apparent from soil pit.", "OK, even in drought."
Data Type	String (1000)

7.76 RATIONALE_19

Geodatabase Name	RATIONALE_19
BLM Structured Name	Proper_Functioning_Condition_Rationale19_Text
Alias Name	19. Rationale
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Not enough water. High sediment.", "No scour."
Data Type	String (1000)

7.77 RATIONALE_2

Geodatabase Name	RATIONALE_2
BLM Structured Name	Proper_Functioning_Condition_Rationale2_Text
Alias Name	2. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Natural fluctuations 0' - +/- 8'", "Much higher this year than normal"
Data Type	String (1000)

7.78 RATIONALE_20

Geodatabase Name	RATIONALE_20
BLM Structured Name	Proper_Functioning_Condition_Rationale20_Text
Alias Name	20. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_PT, PFC_LENTIC_POLY
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Appears to have more uncovered/unstable banks than portion in North Creek Pasture", "Left blank on original form"
Data Type	String (1000)

7.79 RATIONALE_3

Geodatabase Name	RATIONALE_3
BLM Structured Name	Proper_Functioning_Condition_Rationale3_Text
Alias Name	3. Rationale

Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Some ARTR encroachment - from droughts?", "Zone shrinks with drought, expands to potential determined by available water"
Data Type	String (1000)

7.80 RATIONALE_4

Geodatabase Name	RATIONALE_4
BLM Structured Name	Proper_Functioning_Condition_Rationale4_Text
Alias Name	4. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Sheet erosion and organics from adjacent private land", "No indications of siltation"
Data Type	String (1000)

7.81 RATIONALE_5

Geodatabase Name	RATIONALE_5
BLM Structured Name	Proper_Functioning_Condition_Rationale5_Text
Alias Name	5. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Except in last year of dry-up when salt concentrations increase - then deflation during dry years remove most excessive salts", "Only saltgrass and annuals"
Data Type	String (1000)

7.82 RATIONALE_6

Geodatabase Name	RATIONALE_6

BLM Structured Name	Proper_Functioning_Condition_Rationale6_Text
Alias Name	6. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Major alterations - hoof action, old water-spreader system, soil punching", "Altered due to dike construction"
Data Type	String (1000)

7.83 RATIONALE_7

Geodatabase Name	RATIONALE_7
BLM Structured Name	Proper_Functioning_Condition_Rationale7_Text
Alias Name	7. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Structures maintained annually.", "Roadway entrains (traps) flows."
Data Type	String (1000)

7.84 RATIONALE_8

Geodatabase Name	RATIONALE_8
BLM Structured Name	Proper_Functioning_Condition_Rationale8_Text
Alias Name	8. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "No shrub, lrg plnts. Weeds prevalent.", "Dense rhizomatous scirpus. Little shrub, tree."
Data Type	String (1000)

7.85 RATIONALE_9

Geodatabase Name	RATIONALE_9

BLM Structured Name	Proper_Functioning_Condition_Rationale9_Text
Alias Name	9. Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for numbered question selection.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "Distichlis, JUEF, grasses. Normal for S.S. salt flats.", "Invasion by knapweeds, seeded grass."
Data Type	String (1000)

7.86 RCRT_STABLE_RPRN_VEG

Geodatabase Name	RCRT_STABLE_RPRN_VEG
BLM Structured Name	Proper_Functioning_Condition_Recruitment_Stabilizing_Vegetation_Code
Alias Name	7. Recruitment of Stabilizing Riparian Vegetation +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 7 from datasheet for PFC lotic area assessments. "There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.87 REACH_BREAK_RATIONALE

Geodatabase Name	REACH_BREAK_RATIONALE
BLM Structured Name	Proper_Functioning_Condition_Reach_Break_Rationale_Text
Alias Name	Reach Break Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Rationale for break of reach where the assessment was performed.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "private boundary, no fence", "allotment fence"
Data Type	String (200)

7.88 REACH_ID

Geodatabase Name	REACH_ID
BLM Structured Name	Proper_Functioning_Condition_Reach_Identifier_Text
Alias Name	Reach Identifier
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	A local identifier for the section of stream.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "R1", "R2"
Data Type	String (50)

7.89 REACHCODE

Geodatabase Name	REACHCODE
BLM Structured Name	National_Hydrography_Dataset_Reach_Code
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC_M
Definition	The ReachCode value for the NHD feature (Flowline or Waterbody) that the record references. Inherited from the NHD data model.
Required/Optional	Optional. Auto-populated by the HEM tools, if used.
Domain (Valid Values)	No domain. Examples: "17100311007609", "17100306002623"
Data Type	String (14)

7.90 REACHRESOLUTION

Geodatabase Name	REACHRESOLUTION
BLM Structured Name	National_Hydrography_Dataset_Reach_Resolution_Code
Alias Name	None
Inheritance	Inherited from NHD
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC
Definition	Code to indicate the resolution of the source NHD feature.
Required/Optional	Optional. Auto-populated by the HEM tools, if used.
Domain (Valid Values)	dom_NHD_Resolution
Data Type	Long Integer

7.91 REACHSMDATE

Geodatabase Name	REACHSMDATE
BLM Structured Name	National_Hydrography_Dataset_Reach_Spatial_Modification_Date
Alias Name	None
Inheritance	Inherited from NHD
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC_M
Definition	Inherited from the NHD data model. The date tracks the last time that the NHD feature represented by ReachCode experienced a change in geometry. When the ReachSMDate in the PFC record and the ReachSMDate in the NHDReachCode_ComID table disagree, the geometry of the PFC feature may need to be updated to match the NHD feature. This update process is managed by the editors at the OSO using the HEM Event Synchronization tools.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 5/1/2010, 12/31/2017
Data Type	Date

7.92 REPORT

Geodatabase Name	REPORT
BLM Structured Name	Proper_Functioning_Condition_Report_Code
Alias Name	Report?
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Indicates if the record should be included in reports. For spatially overlapping records where a feature has been visited multiple times on different dates, only the most recent assessment should be marked as Report = Yes. All previous assessment should be marked as Report = No.
Required/Optional	Required
Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.93 ROAD

Geodatabase Name	ROAD
BLM Structured Name	Proper_Functioning_Condition_Road_Encroachment_Code

Alias Name	Road Encroachment
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Is the external factor of road encroachment present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YESNO
Data Type	String (3)

7.94 ROOT_WTHSTND_EVENT

Geodatabase Name	ROOT_WTHSTND_EVENT
BLM Structured Name	Proper_Functioning_Condition_Vegetation_Roots_Withstand_Events_Code
Alias Name	11. Vegetation with Roots Capable Withstanding Events +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 11 from datasheet for PFC lentic area assessments. “Vegetation is comprised of those plants or plant communities that have root masses capable of withstanding wind events, wave flow events, or overland flows (e.g., storm events, snowmelt).” (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.95 ROOTS_WTHSTND_HI_FLOW

Geodatabase Name	ROOTS_WTHSTND_HI_FLOW
BLM Structured Name	Proper_Functioning_Condition_Roots_Withstand_High_Flow_Code
Alias Name	9. Roots Withstand High Flow Events +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 9 from datasheet for PFC lotic area assessments. “Stabilizing plant communities capable of withstanding moderately high streamflow events are present along the streambank.” (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.96 RPRN_AREA_EXPND

Geodatabase Name	RPRN_AREA_EXPND
BLM Structured Name	Proper_Functioning_Condition_Riparian_Area_Expanding_Code
Alias Name	4. Riparian Area Expanding +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 4 from datasheet for PFC lotic area assessments. "Riparian area is expanding or has achieved potential extent." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.97 RPRN_AREA_STRM_NM

Geodatabase Name	RPRN_AREA_STRM_NM
BLM Structured Name	Proper_Functioning_Condition_Riparian_Area_Stream_Name
Alias Name	Riparian Area / Stream Name +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT, PFC_LOTIC_FLD_ST_PT, PFC_ATTACH_TBL
Definition	Local name of Riparian Area or Stream Name.
Required/Optional	Required
Domain (Valid Values)	No domain. Examples: "Halfway Creek", "Big Hole River"
Data Type	String (100)

7.98 RPRN_PLANT_HIGH_VIGOR

Geodatabase Name	RPRN_PLANT_HIGH_VIGOR
BLM Structured Name	Proper_Functioning_Condition_Riparian_Plant_High_Vigor_Code
Alias Name	12. Riparian-Wetland Plants Exhibit High Vigor +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 12 from datasheet for PFC lentic area assessments. "Riparian-wetland plants exhibit high vigor." (Prichard et al. 2003)
Required/Optional	Required

Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.99 RPRN_WTLND_AREA_ENLRGE

Geodatabase Name	RPRN_WTLND_AREA_ENLRGE
BLM Structured Name	Proper_Functioning_Condition_Riparian_Wetland_Area_Enlarging_Code
Alias Name	3. Riparian-Wetland Area Enlarging +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 3 from datasheet for PFC lentic area assessments. "Riparian-wetland area is enlarging or has achieve potential extent." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.100 RPRN_WTLND_AREA_IN_BAL

Geodatabase Name	RPRN_WTLND_AREA_IN_BAL
BLM Structured Name	Proper_Functioning_Condition_Riparian_Wetland_Area_Balance_Code
Alias Name	19. Riparian-Wetland in Balance +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 19 from datasheet for PFC lentic area assessments. "Riparian-wetland is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.101 RPRN_WTLND_AREA_NM

Geodatabase Name	RPRN_WTLND_AREA_NM
BLM Structured Name	Proper_Functioning_Condition_Riparian_Area_Wetland_Name
Alias Name	Riparian-Wetland Area Name +

Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Local name of Riparian Area or Stream Name.
Required/Optional	Required
Domain (Valid Values)	No domain. Examples: "Lake Meredith Reservoir", "Indiana Trib Lower Pond"
Data Type	String (100)

7.102 RPRN_WTLND_AREA_SAT

Geodatabase Name	RPRN_WTLND_AREA_SAT
BLM Structured Name	Proper_Functioning_Condition_Wetland_Area_Saturated_Code
Alias Name	1. Riparian-Wetland Area is Saturated +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 1 from datasheet for PFC lentic area assessments. "Riparian-wetland area is saturated at or near the surface or inundated in "relatively frequent" events." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.103 SHORELINE_CHAR_DSPTE_EVENT

Geodatabase Name	SHORELINE_CHAR_DSPTE_EVENT
BLM Structured Name	Proper_Functioning_Condition_Shoreline_Characteristics_Dissipate_Events_Code
Alias Name	20. Shoreline Characteristics Dissipate Events +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 20 from datasheet for PFC lentic area assessments. "Islands and shoreline characteristics (i.e., rocks, coarse and/or large woody material) are adequate to dissipate wind and wave event energies." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.104 SINUOSITY_WIDTH_DEPTH_GRADE

Geodatabase Name	SINUOSITY_WIDTH_DEPTH_GRADE
BLM Structured Name	Proper_Functioning_Condition_Sinuosity_Width_Depth_Ratio_Gradient_Balance_Code
Alias Name	3. Sinuosity, Width/Depth Ratio, Gradient in Balance +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 3 from datasheet for PFC lotic area assessments. "Sinuosity, gradient, and width/depth ratio are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.105 SOIL_SAT_SFCNT

Geodatabase Name	SOIL_SAT_SFCNT
BLM Structured Name	Proper_Functioning_Condition_Saturation_Soils_Sufficient_Code
Alias Name	17. Saturation of Soils Sufficient +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 17 from datasheet for PFC lentic area assessments. "Saturation of soils (i.e., ponding, flooding frequency, and duration) is sufficient to compose and maintain hydric soils." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.106 SPCS_INDCT_MAINT_SOIL

Geodatabase Name	SPCS_INDCT_MAINT_SOIL
BLM Structured Name	Proper_Functioning_Condition_Species_Indicate_Maintenance_Soil_Moisture_Code
Alias Name	10. Species Indicate Maintenance of Soil Moisture +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 10 from datasheet for PFC lentic area assessments.

	"Species present indicate maintenance of riparian-wetland soil moisture characteristics." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.107 SPCS_INDCT_RPRN

Geodatabase Name	SPCS_INDCT_RPRN
BLM Structured Name	Proper_Functioning_Condition_Species_Indicate_Maintenance_Riparian_Code
Alias Name	8. Species Indicate Maintenance of Riparian +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 8 from datasheet for PFC lotic area assessments. "Species present indicate maintenance of riparian soil-moisture characteristics." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.108 SPRING_DEV

Geodatabase Name	SPRING_DEV
BLM Structured Name	Proper_Functioning_Condition_Spring_Development_Code
Alias Name	Spring Development
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Is the external factor of spring development present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.109 SPRING_TYPE

Geodatabase Name	SPRING_TYPE
BLM Structured Name	Proper_Functioning_Condition_Spring_Type_Code

Alias Name	Spring Type
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Type of spring, (e.g. cave, exposure, fountain, limocrene).
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_SPRING_TYPE
Data Type	String (15)

7.110 SRFCE_SBSRFCE_FLOW_NOT_ALT

Geodatabase Name	SRFCE_SBSRFCE_FLOW_NOT_ALT
BLM Structured Name	Proper_Functioning_Condition_Flow_Not_Altered_Code
Alias Name	6. Surface or Subsurface Flow Not Altered +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 6 from datasheet for PFC lentic area assessments. "Natural surface or subsurface flow patterns are not altered by disturbance (i.e., hoof action, dams, dikes, trails, roads, rills, gullies, drilling activities)." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.111 STABLE_BEAVER_DAM

Geodatabase Name	STABLE_BEAVER_DAM
BLM Structured Name	Proper_Functioning_Condition_Stable_Beaver_Dams_Code
Alias Name	2. Beaver Dams are Stable +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 2 from datasheet for PFC lotic area assessments. "Beaver dams are stable." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.112 STABLE_RPRN_VEG

Geodatabase Name	STABLE_RPRN_VEG
BLM Structured Name	Proper_Functioning_Condition_Stabilizing_Riparian_Vegetation
Alias Name	6. Stabilizing Riparian Vegetation +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 6 from datasheet for PFC lotic area assessments. "There is adequate diversity of stabilizing riparian vegetation for recovery/maintenance." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.113 STRCTRE_ACCOMMODATE

Geodatabase Name	STRCTRE_ACCOMMODATE
BLM Structured Name	Proper_Functioning_Condition_Structure_Accomodates_Safe_Passage_Code
Alias Name	7. Structure Accommodates Safe Passage +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 7 from datasheet for PFC lentic area assessments. "Structure accommodates safe passage of flows (e.g., no headcut affecting dam or spillway)." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.114 STRM_BLNCD

Geodatabase Name	STRM_BLNCD
BLM Structured Name	Proper_Functioning_Condition_Stream_in_Balance_Code
Alias Name	17. Stream in Balance +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 17 from datasheet for PFC lotic area assessments. "Stream is in balance with the water and sediment that is being supplied by

	the drainage basin (i.e., no excessive erosion or deposition)." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.115 STRM_NOT_INCISING

Geodatabase Name	STRM_NOT_INCISING
BLM Structured Name	Proper_Functioning_Condition_Stream_System_Not_Incising_Code
Alias Name	16. Stream System Not Incising +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 16 from datasheet for PFC lotic area assessments. "Stream system is vertically stable (not incising)." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.116 TMEASURE

Geodatabase Name	TMEASURE
BLM Structured Name	National_Hydrography_Dataset_To_Measure_Number
Alias Name	None
Inheritance	Inherited from NHD
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_ARC_M
Definition	The Measure along the NHD Flowline, in percent from downstream end, where the PFC line feature ends (to). Values are rounded to five decimal places. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "100", "29.73511"
Data Type	Double

7.117 TREACHCODE

Geodatabase Name	TREACHCODE

BLM Structured Name	National_Hydrography_Dataset_To_Reach_Code
Alias Name	None
Inheritance	Inherited from entity NHD
Feature Class Use/Entity Table	PFC_LOTIC_ARC_M
Definition	The ReachCode value for the NHD feature (Flowline or Waterbody) that the ending point of the record references. Inherited from the NHD data model.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: "17100311007609", "17100306002623"
Data Type	String (14)

7.118 TREND_RATIONALE

Geodatabase Name	TREND_RATIONALE
BLM Structured Name	Proper_Functioning_Condition_Trend_Rationale_Text
Alias Name	Trend Rationale
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Text description of the rationale for the trend given.
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: "System still has water and some vegetation. However, vegetation and channel characteristics are extremely poor and system is fast approaching a non-functional rating. Channel does not appear to be able to adequately handle flows without degrading since it lacks enough stabilizing vegetation, is losing the little floodplain access it has, and has poor channel characteristics. Furthermore, the channel is plagued by active headcutting, excessive incising, and severe hummocking. Moreover, the vegetation is disintegrating, has age and species diversity by technicality, low vigor, and is insufficient in quantity and distribution."
Data Type	String (200)

7.119 UPSTRM_CHNL_CND

Geodatabase Name	UPSTRM_CHNL_CND
BLM Structured Name	Proper_Functioning_Condition_Upstream_Channel_Conditions_Code
Alias Name	Upstream Channel Conditions
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Is the external factor of upstream channel conditions present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.120 VEG_DSPTE_ENERGY

Geodatabase Name	VEG_DSPTE_ENERGY
BLM Structured Name	Proper_Functioning_Condition_Vegetative_Cover_Dissipate_Energy_Code
Alias Name	13. Adequate Vegetative Cover to Dissipate Energy +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 13 from datasheet for PFC lentic area assessments. “Adequate riparian-wetland vegetative cover is present to protect shoreline/soil surface and dissipate energy during high wind and wave events or overland flows.” (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.121 VEG_HIGH_VIGOR

Geodatabase Name	VEG_HIGH_VIGOR
BLM Structured Name	Proper_Functioning_Condition_Vegetation_Exhibits_High_Vigor
Alias Name	10. Vegetation Exhibits High Vigor +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 10 from datasheet for PFC lotic area assessments. “Riparian plants exhibit high vigor.” (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.122 VEG_NOTES

Geodatabase Name	VEG_NOTES
BLM Structured Name	Proper_Functioning_Condition_Vegetation_Notes_Text
Alias Name	Vegetation Notes
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT, PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Notes on vegetation.
Required/Optional	Optional
Domain (Valid Values)	No domain. Example: "The dominant riparian vegetation within the reach is Salix boothii. An invasive thistle is present along the stream bank."
Data Type	String (1000)

7.123 VEG_PRTCT_BANKS

Geodatabase Name	VEG_PRTCT_BANKS
BLM Structured Name	Proper_Functioning_Condition_Vegetative_Cover_Protects_Banks_Code
Alias Name	11. Vegetative Cover Protects Banks +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 11 from datasheet for PFC lotic area assessments. "Adequate amount of stabilizing riparian vegetation is present to protect banks and dissipate energy during moderately high flows." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.124 VERSION_NAME

Geodatabase Name	VERSION_NAME
BLM Structured Name	Geodatabase_Version_Text
Alias Name	None
Inheritance	Inherited from Entity ODF
Feature Class Use/Entity Table	All feature classes
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)

7.125 WOODY_MAT_SOURCE

Geodatabase Name	WOODY_MAT_SOURCE
BLM Structured Name	Proper_Functioning_Condition_Woody_Material_Code
Alias Name	12. Vegetation Adequate Source of Woody Material +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 12 from datasheet for PFC lotic area assessments. “Plant communities are an adequate source of woody material for maintenance/recovery.” (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.126 WTR_PERCOLATION_RSTRCT

Geodatabase Name	WTR_PERCOLATION_RSTRCT
BLM Structured Name	Proper_Functioning_Condition_Water_Percolation_Code
Alias Name	18. Geologic/Soil/Permafrost Capable of Restricting Water Percolation +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 18 from datasheet for PFC lentic area assessments. “Underlying geologic structure/soil material/permafrost is capable of restricting water percolation.” (Prichard et al. 2003)

Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.127 WTR_QLTY_SFCNT

Geodatabase Name	WTR_QLTY_SFCNT
BLM Structured Name	Proper_Functioning_Condition_Water_Quality_Sufficient_Code
Alias Name	5. Water Quality Sufficient +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 5 from datasheet for PFC lentic area assessments. "Water quality is sufficient to support riparian-wetland plants." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST_NA
Data Type	String (6)

7.128 WTRSHD_CND

Geodatabase Name	WTRSHD_CND
BLM Structured Name	Proper_Functioning_Condition_Watershed_Condition_Code
Alias Name	Watershed Condition
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Is the external factor of watershed condition present?
Required/Optional	Optional
Domain (Valid Values)	dom_PFC_YES_NO
Data Type	String (3)

7.129 WTRSHD_NOT_CONTRIBUTE_DEGRADE

Geodatabase Name	WTRSHD_NOT_CONTRIBUTE_DEGRADE
BLM Structured Name	Proper_Functioning_Codition_Watershed_Contributing_Degradation_Code
Alias Name	4. Watershed Not Contributing to Riparian-Wetland Degradation +
Inheritance	Not Inherited

Feature Class Use/Entity Table	PFC_LENTIC_POLY, PFC_LENTIC_PT
Definition	Question 4 from datasheet for PFC lentic area assessments. "Upland watershed is not contributing to riparian-wetland degradation." (Prichard et al. 2003)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

7.130 WTRSHD_NOT_CONTRIBUTE_IMPAIR

Geodatabase Name	WTRSHD_NOT_CONTRIBUTE_IMPAIR
BLM Structured Name	Proper_Functioning_Condition_Watershed_Riparian_Impairment_Code
Alias Name	5. Watershed Not Contributing to Riparian Impairment +
Inheritance	Not Inherited
Feature Class Use/Entity Table	PFC_LOTIC_ARC, PFC_LOTIC_FLD_END_PT
Definition	Question 5 from datasheet for PFC lotic area assessments. "Riparian impairment from the upstream or upland watershed is absent." (Dickard et al. 2015)
Required/Optional	Required
Domain (Valid Values)	dom_PFC_CHKLST
Data Type	String (6)

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8. LAYER FILES (PUBLICATION VIEWS)

8.1 GENERAL

Master corporate feature classes/datasets maintained in the edit database (currently ORSOEDIT) are "published" to the user database (currently ORSOVCTR) in several ways:

A. Copied completely with no changes (replicated).

B. Copied with no changes except to omit one or more feature classes from a feature dataset.

C. Minor changes made (e.g., clip, dissolve, union with ownership) in order 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 (ORSOEDIT) data whenever necessary.

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.

8.2 SPECIFIC TO THIS DATASET

A publication view of the data will be created that adds calculated acres/miles fields to the feature classes.

A publication feature class will be created for publishing to the web/release to the public that has the attribute ID_TEAM removed (for Privacy reasons). All datasets are published, both internally and externally, with the attribute VERSION_NAME removed (also for privacy reasons).

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9. EDITING PROCEDURES

9.1 THEME SPECIFIC GUIDANCE

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

PFC Lentic Polygons, Points, and Arcs may be edited using the HEM Tools for ArcGIS. These tools ensure that PFC features are properly referenced to an NHD feature. Where an NHD feature does not exist or it is not appropriate to create that feature, standard ArcGIS spatial edited tools may be utilized.

Examples of when to use the HEM Tools to create PFC features:

- When creating a PFC Lotic line feature on an existing NHD Flowline (stream).
- When creating a PFC Lentic point feature on an existing NHD spring or seep.
- When creating a PFC Lentic polygon feature around an existing NHD spring or seep point or around part of a NHD waterbody polygon.

Examples of when NOT to use the HEM Tools to create PFC features:

- When creating a PFC Lentic point or polygon on a feature that exists in the NWI Wetlands dataset (and not in the NHD dataset).
- When a feature should be in the NHD data, but has not yet been added. Be sure to initiate an edit to the NHD so that the PFC can be referenced to the NHD data at a later date.
- An assessment occurs at a location that extends beyond the spatial extent of an NHD feature.

Data captured with a GPS 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.

The strategy for handing attachments mirrors the structure for managing attachments in the NOC PFC database. Attachments are stored in a network repository. A table in the data structure (PFC_ATTACH_TBL) stores information about the attachment, such as file name and location. The PFC spatial records are related to records in the attachment table using the ID field. Geodatabase image attachments may be collected on the mobile device using the S1 Mobile App for Android. When the collected data is finalized as corporate data, the 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 PFC attachment table.

Unknown codes have been added to domains for required fields. Only records with an assessment date before 1/1/2017 may use the Unknown code. These fields include: RATE_TREND, ASMNT_APRCH, and all of the PFC Assessment Questions.

10. OREGON/WASHINGTON DATA FRAMEWORK OVERVIEW

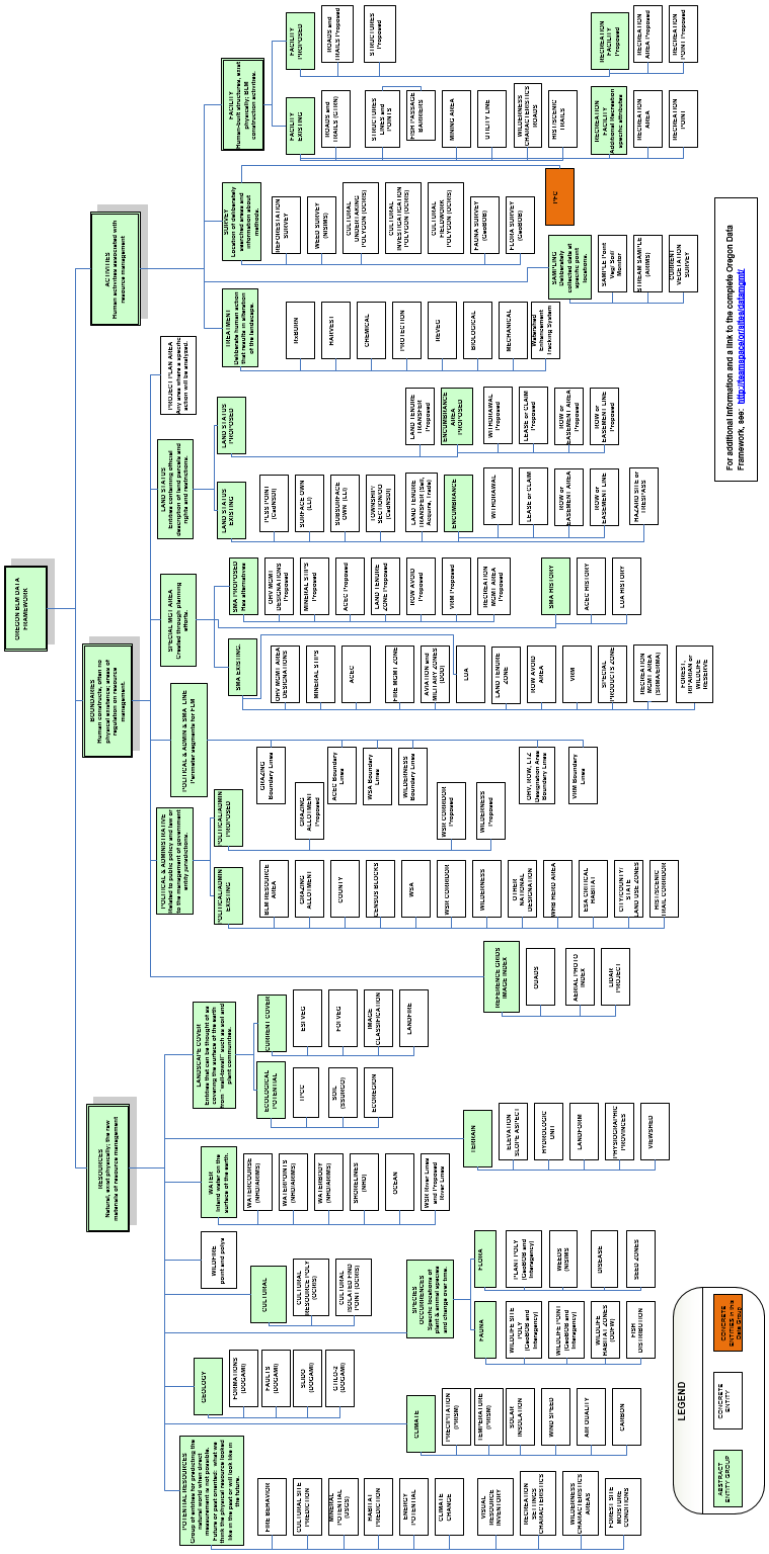

Figure 2 Oregon Data Framework Overview

11. ABBREVIATIONS AND ACRONYMS USED

(Does not include abbreviations/acronyms used as codes for particular 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
GIS	Geographic Information System
GPS	Global Positioning System
GTRN	Ground Transportation GIS dataset
HEM	Hydrography Event Management (Tools)
IDP	Interdisciplinary
NAD	North American Datum
NARA	National Archives and Records Administration
NEPA	National Environmental Policy Act
NHD	National Hydrography Dataset
NWI	National Wetlands Inventory
POLY	GIS polygon feature
PUB	Publication
RMP	Resource Management Plan
ODF	Oregon Data Framework
OR/WA	Oregon/Washington BLM Administrative State
SDE	Spatial Database Engine
USFS	United States Forest Service, U.S. Department of Agriculture
USGS	United States Geological Survey, U.S. Department of the Interior
WEB	Worldwide Web (internet)

Table 2 Abbreviations/Acronyms Used

12. REFERENCES

Dickard, M., M. Gonzalez, W. Elmore, S. Leonard, D. Smith, S. Smith, J. Staats, P. Summers, D. Weixelman, S. Wyman. 2015. Riparian area management: Proper functioning condition assessment for lotic areas. Technical Reference 1737-15. U.S. Department of the Interior, Bureau of Land Management, National Operations Center, Denver, CO. https://www.blm.gov/sites/blm.gov/files/documents/files/TR_1737-15.pdf.

Prichard, D., F. Berg, W. Hagenbuck, R. Krapf, R. Leinard, S. Leonard, M. Manning, C. Noble, and J. Staats. 2003. Riparian area management: A user guide to assessing proper functioning condition and the supporting science for lentic areas. Technical Reference 1737-16. U.S. Department of the Interior, Bureau of Land Management, Denver, CO. 120 pp. https://www.blm.gov/sites/blm.gov/files/documents/files/TR_1737-16_0.pdf.

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APPENDIX 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. 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 for current lists. The State Data Administrator's contact information can be found at: https://www.blm.gov/about/data/oregon-data-management.

A.1 dom_BLM_ORG_CD

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

OR000	OR000 − Oregon/Washington BLM
ORB00	ORB00 − Burns District Office
ORB05	ORB05 − Three Rivers Field Office
ORB06	ORB06 − Andrews Field Office
ORC00	ORC00 − Coos Bay District Office
ORC03	ORC03 − Umpqua Field Office
ORC04	ORC04 − Myrtlewood Field Office
ORL00	ORL00 − Lakeview District Office
ORL04	ORL04 − Klamath Falls Field Office
ORL05	ORL05 − Lakeview Field Office
ORM00	ORM00 − Medford District Office
ORM05	ORM05 − Butte Falls Field Office
ORM06	ORM06 − Ashland Field Office
ORM07	ORM07 − Grants Pass Field Office
ORN00	ORN00 - Northwest Oregon District Office
ORN01	ORN01 - Cascades Field Office
ORN02	ORN02 - Marys Peak Field Office
ORN03	ORN03 - Siuslaw Field Office
ORN04	ORN04 - Tillamook Field Office
ORN05	ORN05 - Upper Willamette Field Office
ORP00	ORP00 − Prineville District Office
ORP04	ORP04 − Central Oregon Field Office
ORP06	ORP06 − Deschutes Field Office
ORR00	ORR00 − Roseburg District Office
ORR04	ORR04 − Swiftwater Field Office
ORR05	ORR05 − South River Field Office
ORV00	ORV00 − Vale District Office
ORV04	ORV04 − Malheur Field Office
ORV05	ORV05 − Baker Field Office
ORV06	ORV06 − Jordan Field Office
ORW00	ORW00 − Spokane District Office

ORW02	ORW02 − Wenatchee Field Office
ORW03	ORW03 − Border Field Office

A.2 dom_NHD_RESOLUTION

NHD Resolution Code. Indicates the resolution of the NHD data. This domain is inherited from the National Hydrography Dataset data model.

1	Local
2	High
3	Medium

A.3 dom_PFC_ASMNT_APRCH

Assessment Approach Code. Description of the approach to the assessment. Complete reconnaissance, selective inspection of representative areas, selective inspection of representative areas or remote sensing - imagery with selective ground inspection.

COMPLETE_RECON	Complete Reconnaissance
SELECTIVE_INSPECT	Selective Inspection of Representative Areas
REMOTE_SENSING	Remote Sensing - Imagery with Selective Ground Inspection
UNK	Unknown – Not a valid value for records with an assessment date greater than or equal to 1/1/2017.

A.4 dom_PFC_CHKLST

PFC Checklist. Codes for the PFC Assessment questions that do not allow NA as an option.

YES	Yes
NO	No
YES/NO	Yes and No
UNK	Unknown – Not a valid value for records with an assessment date greater than or equal to 1/1/2017.

A.5 dom_PFC_CHKLST_NA

PFC Checklist with the NA Option. Code for the PFC Assessment questions that do allow NA as an option.

YES	Yes
NO	No
NA	Not Applicable
YES/NO	Yes and No
UNK	Unknown – Not a valid value for records with an assessment date greater than or equal to 1/1/2017.

A.6 dom_PFC_IMG_DIR_CD

Image Direction Code. Codes for the direction and image was taken from.

ACL	Across From Left Bank
ACR	Across From Right Bank
DSL	Downstream From Left Bank
DSR	Downstream From Right Bank
USL	Upstream From Left Bank

USR	Upstream From Right Bank
QRTRUL	Quartering (45 degrees) Upstream From Left Bank
QRTRUR	Quartering (45 degrees) Upstream From Right Bank
QRTRDR	Quartering (45 degrees) Downstream From Right Bank
QRTRDL	Quartering (45 degrees) Downstream From Left Bank
OTHER	Other

A.7 dom_PFC_DISCHARGE_PERM

Discharge Permanence Code. The status of the permanence of discharge.

PERENNIAL	Perennial
INTERMITTENT	Intermittent
DRY	Dry
NOT_DETERMINED	Not Determined

A.8 dom_PFC_FLOW

Flow Code. Indicates if the flow is perennial or intermittent.

PERENNIAL	Perennial – stream with running water generally on a year-round basis.
INTERMITTENT	Intermittent – stream with a dry period, normally for three months or more.

A.9 dom_PFC_LENTIC_TYPE

Lentic Type Code. The type of lentic area.

WET_MEADOW	Wet Meadow
SPRING_SEEP	Spring/Seep
POND_LAKE	Pond/Lake
OTHER	Other

A.10 dom_PFC_PRMRY_LITHOLOGY

Primary Lithology Code. Primary lithology for the area, (e.g. Sedimentary).

EXTRUSIVE	IG Extrusive
INTRUSIVE	IG Intrusive
SEDIMENTARY	Sedimentary
METAMORPHIC	Metamorphic
UNDIFFERENTIATED	Undifferentiated
UNCONSOLIDATED	Unconsolidated
UNKNOWN	Unknown
OTHER	Other

A.11 dom_PFC_RATE_TREND

Rate Trend Code. The functional rating and trend at the time of assessment.

PFC	Proper Functioning Condition
FARU	Functional-at-Risk Trend Upward
FARS	Functional-at-Risk Trend Static
FARNA	Functional-at-Risk Trend Not Apparent

FARD	Functional-at-Risk Trend Downward
NF	Nonfunctional
UNK	Unknown – Not a valid value for records with an assessment date greater than or equal to 1/1/2017.

A.12 dom_PFC_SPRING_TYPE

Spring Type Code. Indicates the type of spring.

CAVE	Cave
EXPOSURE	Exposure
FOUNTAIN	Fountain
GEYSER	Geyser
GUSHET	Gushet
HANGING_GARDEN	Hanging Garden
HELOCRENE	Helocrene
HILLSLOPE	Hillslope
HYPOCRENE	Hypocrene
LIMNOCRENE	Limnocrene
MOUND_FORM	(Carbonate) Mound-form
RHEOCRENE	Rheocrene-lotic Channel Floor

A.13 dom_PFC_YES_NO

Yes/No Code. Indicates a positive, negative, or unknown response.

NO	No - Negative or Not Present
YES	Yes – Affirmative or Present
UNK	Unknown