Domains Specific to Riparian, Wetland and Aquatic Locations (RWAL)

Table of Contents

Overview

Domain values are an integral part of any data standard to ensure consistency and quality of the data captured using a data standard. This document provides the information necessary to understand those data elements (attributes) that have a set of domain values and the descriptions of the domain values to provide guidance in using the appropriate value. Reference entities and other entities that have a fairly stable list of values are included in this document for the data standard.

As this document will be used for both the data standard report and the implementation guidelines, it includes both the logical and implementation views of each of the domain sets. Standard Geospatial Domain Values (those pertaining to feature-level metadata) are not included in this document, but will be part of the Implementation Guidelines.

Legend

The background color of the item is used to distinguish between the logical data model and the physical table design.

Logical Entities and Attributes
Physical Tables and Columns

For domain values, there will be a cross reference between the logical and physical names of the attributes. In some cases, the physical implementation may include additional columns. The logical reference entity may not have a code value, but the design of the table includes a code value for each domain value. Below is an example of the mapping between the logical attribute name and the table column name.

EXAMPLE: Project Status Domain Values

PROJECT STATUS NAME	**PROJECT STATUS TEXT**	***No Corresponding Attribute***
PJT_STAT_NM	PJT_STAT_TX	PJT_STAT_CD
Started	Project has begun, first task has been assigned	S
Proposed	Project has been proposed, but no planning	P
Completed	Project is completed	C

RWAL Domains

Logical Entity Name	*INTEREST POINT REFERENCE*		
Physical Domain Table	**TBD**		
If Other is selected, use description attribute to describe other.		**DEFAULT VALUE**	**OTHER**

Allowable Domain Values

INTEREST POINT TYPE CODE	*INTEREST POINT TYPE NAME*
<COLUMN NAME1>	**<COLUMN NAME2>**
	HEAD CUT
	ROAD/TRAIL/PIPELINE CROSSING/FORD
	CULVERT/BRIDGE
	DIVERSION/DAM
	BARRIER
	SEDIMENT SOURCE
	INVASIVE, NON-NATIVE FLORAL SPECIES
	INVASIVE, NON-NATIVE FAUNAL SPECIES
	WILDLIFE – AQUATIC/TERRESTRIAL OBSERVATION
	IMPORTANT PLANT OBSERVATION
	CUTBANK
	BANK FAILURE
	DEBRIS DAM
	FILL OR DREDGED MATERIAL
	DAMAGE/DISTURBANCE
	BEAVER DAM
	BEAVER DAM
	BEAVER LODGE
	SALT/MINERAL BLOCK
	MONITORING
	OTHER

Logical Entity Name	***MONTGOMERY BUFFINGTON CLASSIFICATION REFERENCE***	
Physical Domain Table	**TBD**	
The stream classification code.	**DEFAULT VALUE**	

Allowable Domain Values

STREAM CLASIFICATION CODE	REACH GROUP NAME	
STRM_CLSS_CD	**<COLUMN NAME1>**	**<COLUMN NAME2>**
MB - DR	DR - Dune Ripple	Confined, Alluvial
MB - PR	PR - Pool/Riffle	Unconfined, Alluvial
MB - PB	PB - Plane-bed	Confined, Alluvial
MB - SP	SP - Step-poole	Unconfined, Alluvial
MB - CA	CA - Cascade	Confined, Alluvial
MB - CO	CO - Colluvium	Unchannelized, Colluvial
MB - B	B - Bedrock	
MB - BR	BR - Braided	

Logical Entity Name	***ROSGEN CLASSIFICATION REFERENCE***	
Logical Entity Name	***ROSGEN CHANNEL MATERIAL REFERENCE***	
Physical Domain Table	**TBD**	
Use domain values as defined in: http://www.fws.gov/wetlands/_documents/gNSDI/ClassificationWetlandsDeepwaterHabitatsUS.pdf	**DEFAULT VALUE**	

Allowable Domain Values

STRM_CLSS_CD	*Combination of Attributes*	*ROSGEN CHANNEL MATERIAL NUMBER*

Logical Entity Name	***WETLAND CLASSIFICATION REFERENCE***		
Physical Domain Table	**TBD**		
Use domain values as defined in: www.fws.gov/wetlands/_documents/gNSDI/WetlandsDeepwaterHabitatsClassification.pdf see wetland modifier domain also		**DEFAULT VALUE**	

Allowable Domain Values

WETLAND CLASSIFICATON CODE	*WETLAND SYSTEM*	*WETLAND SUBSYTEM*	WETLAND CLASS	*WETLAND SUBCLASS*	*WATER REGIME/ Special Modifers*

Logical Entity Name	***WETLAND MODIFIER REFERENCE***		
Physical Domain Table	**TBD**		
Use domain values as defined in: www.fws.gov/wetlands/_documents/gNSDI/WetlandsDeepwaterHabitatsClassification.pdf		**DEFAULT VALUE**	**<default value or blank if none>**

Allowable Domain Values

WETLAND MODIFIER CODE	*WETLAND MODIFIER NAME*	*WEDLAND MODIFIER TYPE NAME*

Logical Entity Name	*RIPARIAN LOCATION NONRIPARIAN INDICATOR*	
Physical Domain Table	**TBD**	
An indicator that designates if this was determined not to be a riparian area.	**DEFAULT VALUE**	**R**

Allowable Domain Values

RIPARIAN LOCATION NONRIPARIAN INDICATOR	Not a logical attribute
<COLUMN NAME1>	
NR	The area has been determined not to be riparian.
R	The area is riparian.

Logical Entity Name	*No Corresponding Entity*	
Physical Domain Table	**TBD**	
A code that indicates if the segment or site was based on an NHD reach or not.	**DEFAULT VALUE**	**LOCAL**

Allowable Domain Values

NO Corresponding Attribute	Not a logical attribute
<COLUMN NAME1>	
NHD	The location was extracted from NDH.
LOCAL	The location is in NHD, but it is based on a local data set.
NEW	The location is not in NHD and is identified as a new reach or site.
NWI	The location was extracted from NWI.

Logical Entity Name	***RIPARIAN LOCATION POTENTICAL REFERENCE CODE***		
Physical Domain Table	**TBD**		
A code that indicates if this site or reach can be used as a reference site.		**DEFAULT VALUE**	**OPEN**

Allowable Domain Values

RIPARIAN LOCATION POTENTIAL REFERENCE CODE	Not a logical attribute
RPRN_PTNLT_REF_CD	
REF	The area can be used as a potential reference.
NOT REF	The area cannot currently be used as a potential reference
OPEN	The area has not been evaluated as a potential reference.

Logical Entity Name	***NO CORRESPONDING ENTITY***		
Physical Domain Table	**TBD**		
This documents the reason why a photo point location is linked to an aquatic resource location		**DEFAULT VALUE**	**<default value or blank if none>**

Allowable Domain Values

RELATED LOCATION REASON NAME	***RELATED LOCATION REASON NAME***
<COLUMN NAME1>	**<COLUMN NAME2>**
	REPRESENTATIVE PFC
	INTEREST POINT
	MONITORING
	REFERENCE
	OTHER

Logical Entity Name	***PHYSICAL ONLY***		
Physical Domain Table	**TBD (photo direction)**		
The direction from which the photograph was taken (relative to the reach or site).		**DEFAULT VALUE**	

Allowable Domain Values

Not a logical attribute	Not a logical attribute
PHOTO_DRCTN	
USL	Upstream From Left Bank
USR	Upstream From Right Bank
DSL	Downstream From Left Bank
DSR	Downstream From Right Bank
QRTRUL	Quartering (45 degrees) Upstream From Left Bank
QRTRUR	Quartering (45 degrees) Upstream From Right Bank
ACL	Across From Left Bank
QRTRDR	Quartering Downstream From Right Bank
QRTRDL	Quartering Downstream From Left Bank
ACR	Across From Right Bank
Other	

Not implemented at this time

Logical Entity Name	*RIPARIAN CLASSIFICATION REFERENCE*		
Physical Domain Table	**TBD**		
Use domain values as defined in: http://www.fws.gov/wetlands/_documents/gOther/RiparianClassificationSystem.pdf		**DEFAULT VALUE**	

Allowable Domain Values

NO LOGICAL ATTRIBUTE	WATER SUBSYSTEM TYPE NAME	*RIPARIAN CLASS TYPE NAME*	*RIPARIAN SUBCLASS TYPE NAME*
RPRN_ZONE_CD	XX	XX	XX

Logical Entity Name	*VEGETATION DOMINANCE REFERENCE*		
Physical Domain Table	**TBD**		
Use domain values as defined in: http://www.fws.gov/wetlands/_documents/gOther/RiparianClassificationSystem.pdf		**DEFAULT VALUE**	

Allowable Domain Values

VEGETATION DOMINANCE CODE	VEGETATION DOMINANCE NAME	*RIPARIAN CLASS/SUBCLASS TYPE NAME*