

## Appendix J

### National Hydrography Requirements and Benefits Study Raw Study Geodatabase Data Dictionary

**Table Name:** Agency

**Table Description:** This table contains information about questionnaire respondent's agency and can be used to query data by agency or agency type. This is a non-spatial table containing information about the study respondent's agency. There should be one record per respondent.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Org_Type	String	255	D_Org_Type	Organization type
Org_Name	String	255	None	User provided organization name
Sub_Agency	String	150	None	User provided sub-agency name
Complete	String	5	None	Questionnaire completeness flag
Summary_Type	String	255	None	Organization type categorization; used for grouping summary reports

**Table Name:** Agy\_Data\_Access\_Other

**Table Description:** This table contains information about agency data access requirements where users specified "Other." Links to the Agy\_Data\_Access\_Reqt table. Non-spatial table containing details of data access requirements by agencies (non-MCA specific) where users specified "Other." This table links to the Agy\_Data\_Access\_Reqt table.

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire. Foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Agy_Data_ID	String	25	None	Foreign key to Agy_Data_Access table; sequential unique whole numbers that are automatically generated
Comment	String	4500	None	User provided description of "Data_Access_Reqt" other requirement

**Table Name:** Agy\_Data\_Access\_Reqt

**Table Description:** This table contains information about agency data access requirements. Many to one relationship to Agency table. Non-spatial table containing information about data access requirements by agencies (non-MCA specific). Each agency can have many records in this table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Agy_Data_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire. Foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Foreign key to Agency table; sequential unique whole numbers that are automatically generated
Data_Access_Reqt	String	255	D_ProgDataType	User provided access requirements

**Table Name:** Agy\_Geog\_Access\_Other

**Table Description:** This table contains information about agency geographic access requirements where users specified "Other." Links to the Agy\_Geog\_Access\_Reqt table. Non-spatial table containing details of geographic access requirements by agencies (non-MCA specific) where users specified "Other." This table links to the Agy\_Geog\_Access\_Reqt table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Agy_Geog_ID	String	25	None	Foreign key to Agy_Geog_Access table; sequential unique whole numbers that are automatically generated
Comment	String	4500	None	User provided description of "Geog_Extent" other requirement

**Table Name:** Agy\_Geog\_Access\_Reqt

**Table Description:** This table contains information about agency geographic access requirements. Many to one relationship to Agency table. Non-spatial table containing information about geographic access requirements by agencies (non-MCA specific). Each agency can have many records in this table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Agy_Geog_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Foreign key to Agency table; sequential unique whole numbers that are automatically generated
Geog_Extent	String	255	D_ProgDataRequired	User provided requirements for geographic extents of Hydrography data

**Table Name:** Agy\_Hydro\_Reqt

**Table Description:** This table contains information about agency hydrography requirements. One to one relationship to Agency table. Non-spatial table containing information about hydrography requirements by agencies (non-MCA specific). There should be one record in this table per respondent/agency.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Agy_Hydro_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Organization ID; foreign key to Agency table; sequential unique whole numbers that are automatically generated
Web_Tool_Use	String	10	D_Webmap	Would your program use a simple web map tool
Discover_Data	String	16	D_Importance2	Importance of services to discover data
Download_Data	String	16	D_Importance2	Importance of services to download data
Custom_Prod	String	16	D_Importance2	Importance of services to create and download custom products
Dynamic_Use	String	16	D_Importance2	Importance of services to dynamically use data with client-based software (like a browser, GIS, or to feed other services)
Visualiz	String	16	D_Importance2	Importance of services to visualize cartographically rendered and symbolized hydrography data
Mashup	String	16	D_Importance2	Importance of services that allow combination of visualizations with other visualization services

Field	Field Type	Field Length	Domain Name	Field Description
Generalize	String	16	D_Importance2	Importance of services to create generalized versions of hydrography (different scales and level of detail)
Analyze	String	16	D_Importance2	Importance of services to support online analysis of hydrography information (such as StreamStats)
Hyd_Align_3m_DEM	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Rivers and streams in the hydrography dataset align with channels as defined from the elevation data at 1:12,000-scale or larger (3 meter DEM)
Levee_Link_Hyd	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Objects defined by elevation, such as a levees, are linked to a particular river in the hydrography dataset
Hyd_Elev_Pkg	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Hydrography and elevation data are packaged in a single product such as a or a 3-D dataset
Hyd_Elev_Data_Model	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Hydrography data (streams, stream gages, dams, hydrologic units along with elevation data (elevations, catchments, levees, floodplains) coexist within a common data model
Synthesis_Hyd_Elev	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Perform synthesis such that streamflow can be estimated from elevation-based drainage area and other factors
Calc_Gradient	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Produce data derivatives such that gradient can be calculated on a stream using elevation data
Synchronize_Hyd_Elev	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Manage hydrography and elevation data as a unified activity always keeping both datasets synchronized with one another
Hyd_Elev_Same_Date	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Ensure that hydrography and elevation data represent a similar point in time

Field	Field Type	Field Length	Domain Name	Field Description
Hyd_Elev_Unified_Deliv	String	16	D_Importance2	Importance of integration of hydrography data with elevation data: Both hydrography and elevation data are delivered in unison rather than two separate operations
Hyd_Rast_Flowpath	String	16	D_Importance2	Importance of integration of hydrography data with raster elevation data: Determine new flow paths across the land surface into existing stream channels
Hyd_Rast_Feat	String	16	D_Importance2	Importance of integration of hydrography data with raster elevation data: Determine on the hydrographic network to which a point (with elevation value) is connected
Hyd_Rast_Point_Loc	String	16	D_Importance2	Importance of integration of hydrography data with raster elevation data: Determine the actual point location (within a DEM cell) on the hydrographic network to which a point is connected
Miss_One_Lake	String	20	D_Importance3	Impact of errors in hydrography data: In a series of lakes formed at gravel pits, one lake is missing from the NHD
Miss_All_Lake	String	20	D_Importance3	Impact of errors in hydrography data: In a series of lakes formed at gravel pits, all lakes are missing from the NHD
Trib_Disconnect	String	20	D_Importance3	Impact of errors in hydrography data: In a series of tributary streams, several streams do not connect with the main river
Misname_Perennial	String	20	D_Importance3	Impact of errors in hydrography data: A perennial stream is misnamed
Misname_Reservoir	String	20	D_Importance3	Impact of errors in hydrography data: A large reservoir is misnamed
Flow_Rev_1st	String	20	D_Importance3	Impact of errors in hydrography data: A first order stream flow direction is reversed
Flow_Rev_2nd	String	20	D_Importance3	Impact of errors in hydrography data: A second order stream flow direction is reversed
Flow_Rev_3rd	String	20	D_Importance3	Impact of errors in hydrography data: A third order stream flow direction is reversed



Field	Field Type	Field Length	Domain Name	Field Description
Miscoded_1st	String	20	D_Importance3	Impact of errors in hydrography data: Two first order streams coded as perennial should be intermittent
Meander_Error	String	20	D_Importance3	Impact of errors in hydrography data: A meandering river represented in the NHD is overlaid over a contemporary image of the river. The position of the meanders has deviated over time with a mean error of 100 feet and a maximum error of 200 feet
Strm_Misalign_175	String	20	D_Importance3	Impact of errors in hydrography data: An intermittent stream represented in the NHD is portrayed along with contours and shaded terrain. The stream appears to be misaligned with the terrain by a mean of 175 feet
Strm_Misalign_75	String	20	D_Importance3	Impact of errors in hydrography data: An intermittent stream represented in the NHD is portrayed along with contours and shaded terrain. The stream appears to be misaligned with the terrain by a mean of 75 feet
Ridge_Misalign_70	String	20	D_Importance3	Impact of errors in hydrography data: A ridge line in the NHD is portrayed along with contours and shaded terrain. The ridge line appears to be misaligned with the terrain by a mean of 70 feet
Catch_Acc	String	25	D_CatchAcc	Required catchment accuracy
WBD_NHDPlus_Acc	String	66	D_Problem	How much of a problem differences in the way the WBD Hydrologic Units and NHDPlus catchments are defined, that can lead to the situation that one cannot simply aggregate whole NHDPlus catchments to create replicas of the hydrologic units, pose
Error_Resol	String	17	D_ErrResolution	How quickly reported errors need to be resolved
Comments	String	4500	None	User provided comments

**Table Name:** Federal

**Table Description:** This table contains information about MCAs that require Federal Lands as their area of interest. Many to one relationship to MCA\_Main table. Non-spatial table containing MCA requests for Federal Lands as area of interest.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Fed_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Fed_Agy	String	38	D_Fed_Lands	Federal agency name
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** FedLand\_ALL

**Table Description:** This feature class contains information about major land holdings of Federal agencies. The Federal agencies included are Bureau of Land Management (BLM), Bureau of Reclamation (BOR), Department of Defense (DOD), U.S. Forest Service (USFS), U.S. Fish and Wildlife Service (USFWS), National Park Service (NPS), and Tennessee Valley Authority (TVA).

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Shape	Geometry	0	None	Feature geometry; coordinates defining the features
Fed_Agy	String	38	D_Fed_Lands	Federal agency name
Shape_Length	Double	8	None	Length of feature in internal units; positive real numbers that are automatically generated
Shape_Area	Double	8	None	Area of feature in internal units squared; positive real numbers that are automatically generated
Fed_ID	String	255	None	Foreign key to Federal table; sequential unique whole numbers that are automatically generated

**Table Name:** HUC

**Table Description:** This table contains information about MCAs that require HUC4s as their area of interest. Many to one relationship to MCA\_Main table. Non-spatial table containing MCA requests for HUC4s as area of interest. There may be many records in this table per MCA.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
HUC_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
HUC2	String	2	None	2-digit hydrologic unit code
HUC4	String	4	None	4-digit hydrologic unit code
HUC4_TMP	String	255	None	4-digit hydrologic unit code and subbasin name
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** HUC2

**Table Description:** This table contains information about MCAs that require HUC2s as their area of interest. Many to one relationship to MCA\_Main table. Non-spatial table containing MCA requests for HUC2s as area of interest. There may be many records in this table per MCA.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
HUC_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
HUC2	String	2	None	2-digit hydrologic unit code
HUC4	String	4	None	4-digit hydrologic unit code
HUC4_TMP	String	255	None	2-digit hydrologic unit code
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** MCA\_Char

**Table Description:** This table contains information about required MCA characteristics. Many to one relationship to MCA\_Main table. Non-spatial table containing information about data characteristics needed per MCA. Each MCA can have many records in this table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MCA_Char_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Organization ID; foreign key to Agency table; sequential unique whole numbers that are automatically generated
Reqd_Char	String	89	D_Char	User provided Mission Critical Activity characteristics
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** MCA\_Char\_Other

**Table Description:** This table contains information about MCA characteristics where users specified "Other." This table links to the MCA\_Char table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MCA_Char_ID	String	25	None	Foreign key to MCA_Char table ; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Comment	String	4500	None	User provided description of "Reqd_Char" other requirement
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** MCA\_Data\_Use

**Table Description:** This table contains information about MCA data use requirements. Many to one relationship to MCA\_Main table. Non-spatial table containing information about data types needed per MCA. Each MCA can have many records in this table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MCA_Data_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Organization ID; foreign key to Agency table; sequential unique whole numbers that are automatically generated
Data_Type	String	58	D_Data_Set	Hydrography data type currently used
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not



**Table Name:** MCA\_Data\_Use\_Other

**Table Description:** This table contains information about MCA characteristics where users specified "Other." This table links to the MCA\_Data\_Use table.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MCA_Data_ID	String	25	None	Foreign key to MCA_Data_Use table; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
Comment	String	4500	None	User provided description of "Data_Type" other requirement
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

Table Name: MCA\_Main

**Table Description:** This table contains information about MCA requirements and benefits. Primary MCA table. Main non-spatial table containing information about MCA requirements and benefits. There is one record in this table per MCA. Each respondent could specify up to 5 MCAs.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MCA_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
Org_ID	String	25	None	Organization ID; foreign key to Agency table; sequential unique whole numbers that are automatically generated
Geog_Area_Req	String	255	None	Description of geographic requirement for area of interest
BU	String	250	D_Bus_Use	Business Use
Update_Freq	String	10	D_UpFrequency	Required hydrographic data update frequency
Evtnt_Update_Imp	String	16	D_Importance1	Importance of updates to hydrographic data after an event
Pos_Acc	String	35	D_Accuracy	Hydrography data positional accuracy requirements
Strm_Density	String	67	D_Stream	Hydrography data stream density requirements
Sm_Contrib_Ar	String	33	D_Small	Smallest contributing area for which a watercourse is needed
Sm_Wtrbdy	String	22	D_Waterbody	Smallest mapped waterbody needed
Lvl_Detail	String	155	D_Available	Required level of detail for hydrography data
LC_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Land Cover data

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
LC_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Land Cover data
Soils_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Soils data
Soils_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Soils data
Geol_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Surficial Geology data
Geol_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Surficial Geology data
Bathy_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Bathymetry data
Bathy_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Bathymetry data
Climate_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Climate data
Climate_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Climate data
Contam_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Contaminant sources
Contam_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Contaminant sources
Elev_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Elevation data
Elev_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Elevation data
Streamflow_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Streamflow data

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
Streamflow_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Streamflow data
Wetlands_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Wetlands data
Wetlands_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Wetlands data
Census_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Census data
Census_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Census data
Aquifer_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Aquifer data
Aquifer_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Aquifer data
Disch_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Point Discharge data
Disch_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Point Discharge data
Wtr_Use_Imp	String	16	D_Importance2	Importance of integration between hydrography data and Water Use (diversions) data
Wtr_Use_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and Water Use (diversions) data
NPDES_Imp	String	16	D_Importance2	Importance of integration between hydrography data and EPA NPDES data
NPDES_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and NPDES data
STORET_Imp	String	16	D_Importance2	Importance of integration between hydrography data and EPA STORET data

Field	Field Type	Field Length	Domain Name	Field Description
STORET_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and STORET data
NID_Imp	String	16	D_Importance2	Importance of integration between hydrography data and USACE National Inventory of Dams data
NID_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and USACE National Inventory of Dams data
NASS_Imp	String	16	D_Importance2	Importance of integration between hydrography data and USDA NASS data
NASS_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and USDA NASS data
NWI_Imp	String	16	D_Importance2	Importance of integration between hydrography data and FWS NWI data
NWI_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and FWS NWI data
NWIS_Imp	String	16	D_Importance2	Importance of integration between hydrography data and USGS NWIS data
NWIS_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and USGS NWIS data
NAWQA_Imp	String	16	D_Importance2	Importance of integration between hydrography data and USGS NAWQA data
NAWQA_HLOAR	String	28	D_HLOAR	Highest level of analysis required between hydrography data and USGS NAWQA data
Other	String	250	None	Importance of integration between hydrography data and other data
Tot_An_Budg	String	255	None	Total annual program budget supported by this Mission Critical Activity
Time_Cur_Bfit	String	14	D_Benefit	Current Time or Cost Savings (Operational Benefits)

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
Mission_Cur_Bfit	String	14	D_Benefit	Current Mission Compliance Benefits (Operational Benefits)
Produc_Cur_Bfit	String	14	D_Benefit	Current Products or Services Benefits (Customer Service Benefits)
Resp_Cur_Bfit	String	14	D_Benefit	Current Response or Timeliness Benefits (Customer Service Benefits)
Cust_Cur_Bfit	String	14	D_Benefit	Current Customer Experience Benefits (Customer Service Benefits)
Edu_Cur_Bfit	String	14	D_Benefit	Current Education or Public Safety Benefits (Societal Benefits)
Envir_Cur_Bfit	String	14	D_Benefit	Current Environmental Benefits (Societal Benefits)
Life_Cur_Bfit	String	14	D_Benefit	Current Human Lives Saved (Societal Benefits)
Other_Cur_Bfit	String	250	None	User provided other description to "Other" Current Benefits
An_DoI_Cur_Bfit	String	255	None	User provided current annual dollar benefits
Time_Fut_Bfit	String	14	D_Benefit	Future Time or Cost Savings Benefits (Operational)
Mission_Fut_Bfit	String	14	D_Benefit	Future Improved Mission Compliance Benefits (Operational)
Produc_Fut_Bfit	String	14	D_Benefit	Future Improved Products or Services Benefits (Customer Service)
Resp_Fut_Bfit	String	14	D_Benefit	Future Improved Response or Timeliness Benefits (Customer Service)
Cust_Fut_Bfit	String	14	D_Benefit	Future Improved Customer Experience Benefits (Customer Service)
Edu_Fut_Bfit	String	14	D_Benefit	Future Improved Education or Public Safety Benefits (Societal Benefits)
Envir_Fut_Bfit	String	14	D_Benefit	Future Environmental Benefits (Societal Benefits)
Life_Fut_Bfit	String	14	D_Benefit	Future Human Lives Saved (Societal Benefits)
Other_Fut_Bfit	String	255	None	User provided other description to "Other" Future Benefits
Major_Fut_Bfit	String	255	None	User provided description of the major new benefits
An_DoI_Fut_Bfit	String	255	None	User provided future annual dollar values

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
Type	String	255	None	Edit type
Date_Upload	String	50	None	Date of data upload
Date_LastEdit	String	50	None	Date of last edit
MCA_Name	String	4500	None	User provided MCA description
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** Misc\_Poly

**Table Description:** This table contains information about MCAs that require a user defined polygon as their area of interest. Non-spatial table containing MCA requests for user-defined area of interest.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
MiscPoly_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Geog_Shp	String	200	None	User provided filename for area of interest shapefile
SubRegion	String	255	None	User provided description of sub-region of state-based area of interest
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not



**Table Name:** MiscPoly\_FC\_ALL

**Table Description:** This feature class contains information about MCAs that require a user defined polygon as their area of interest. Spatial feature class containing information about user-defined areas of interest for Mission Critical Activities (MCAs).

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Shape	Geometry	0	None	Feature geometry; coordinates defining the features
Description	String	255	None	User provided description of MCA Area of Interest
MCA_ID	String	255	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Shape_Length	Double	8	None	Length of feature in internal units; positive real numbers that are automatically generated
Shape_Area	Double	8	None	Area of feature in internal units squared; positive real numbers that are automatically generated
Resp_ID	String	255	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated

**Table Name:** Respondent

**Table Description:** This table contains information about questionnaire respondents. Non-spatial table containing information about questionnaire respondents.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Resp_ID	String	25	None	Primary key. Respondent ID from questionnaire; sequential unique whole numbers that are automatically generated
Collect_ID	String	25	None	Survey Monkey collector ID number; sequential unique whole numbers that are automatically generated
Org_ID	String	25	None	Organization ID; foreign key to Agency table; sequential unique whole numbers that are automatically generated
Start_Dt	String	15	None	Date questionnaire was started
End_Dt	String	15	None	Date questionnaire was completed or last worked on
IP_Add	String	25	None	IP address of computer from which questionnaire was filled out
First_Name	String	50	None	First name of respondent
Last_Name	String	50	None	Last name of respondent
Organiz	String	250	None	User provided respondent's organization name
Prog_Name	String	250	None	User provided respondent's program name
Job_Title	String	255	None	User provided respondent's job title
Phone	String	255	None	User provided respondent's telephone number
Email	String	50	None	User provided respondent's email address

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
Custom	String	250	None	Additional custom data from Survey Monkey
Comment	String	4500	None	User provided comments
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** State

**Table Description:** This table contains information about MCAs that require States or CONUS 48 as their area of interest. Many to one relationship to MCA\_Main table. Non-spatial table containing MCA requests for States as area of interest. There may be many records in this table per MCA.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
State_ID	String	25	None	Primary key; sequential unique whole numbers that are automatically generated
State	String	25	D_StatePlus	State or territory name
Resp_ID	String	25	None	Respondent ID from questionnaire; foreign key to Respondent table; sequential unique whole numbers that are automatically generated
MCA_No	String	5	None	MCA number; integer value from 1 to 5; respondents could submit up to 5 MCAs
MCA_ID	String	25	None	Foreign key to MCA_Main table; unique number is combined from Resp_ID and MCA_No; sequential unique whole numbers that are automatically generated
Complete	String	5	None	Questionnaire completeness flag; indicates if questionnaire was completed or not

**Table Name:** States\_ALL

**Table Description:** This feature class contains information about State boundaries. U.S. States represents the 50 states, the District of Columbia, and the territories of Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Mariana Islands of the United States.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID_1	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Shape	Geometry	0	None	Feature geometry; coordinates defining the features
STATE_NAME	String	255	None	State/territory name or 48 Conterminous States
ObjectID	Long Integer	4	None	Sequential unique whole numbers that are automatically generated
STATE_FIPS	String	2	None	2-digit State Federal Information Processing System (FIPS) code
STATE_ABBR	String	2	None	2-letter State/Territory Postal Code abbreviation
Shape_Length	Double	8	None	Length of feature in internal units; positive real numbers that are automatically generated
Shape_Area	Double	8	None	Area of feature in internal units squared; positive real numbers that are automatically generated

**Table Name:** WBDHU2

**Table Description:** This data set is a complete digital hydrologic unit boundary layer of the Region (2-digit) 1st level for the entire United States. This data set consists of geo-referenced digital data and associated attributes. Polygons are attributed with hydrologic unit codes, name, and size. The data are currently updated through the USGS National Hydrography Dataset (NHD) Program and replicated to NRCS twice per year.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Shape	Geometry	0	None	Feature geometry; coordinates defining the features
TNMID	String	40	None	The National Map identifier
MetaSourceID	String	40	None	Metadata source identifier
SourceDataDesc	String	100	None	Source data description
SourceOriginator	String	130	None	Source data originator
SourceFeatureID	String	40	None	Source feature identifier
LoadDate	Date	8	None	Date
GNIS_ID	Long Integer	4	None	Geographic Names Information System identifier
AreaAcres	Double	8	None	Area in acres
AreaSqKm	Double	8	None	Area in square kilometers
States	String	50	None	The "States" field includes the names of all state(s) that the subwatershed falls within. The 2-digit postal abbreviation in upper case and in alphabetical order was used, separated with a comma
HUC2	String	2	None	2-digit hydrologic unit code
Name	String	120	None	2-digit hydrologic unit region name

<b>Field</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Domain Name</b>	<b>Field Description</b>
Shape_Length	Double	8	None	Length of feature in internal units; positive real numbers that are automatically generated
Shape_Area	Double	8	None	Area of feature in internal units squared; positive real numbers that are automatically generated

**Table Name:** WBDHU4

**Table Description:** This data set is a complete digital hydrologic unit boundary layer of the Subregion (4-digit) 2nd level for the entire United States. This data set consists of geo-referenced digital data and associated attributes. Polygons are attributed with hydrologic unit codes, name, and size. The data are currently updated through the USGS National Hydrography Dataset (NHD) Program and replicated to NRCS twice per year.

Field	Field Type	Field Length	Domain Name	Field Description
OBJECTID	OID	4	None	Internal feature number; sequential unique whole numbers that are automatically generated
Shape	Geometry	0	None	Feature geometry; coordinates defining the features
TNMID	String	40	None	The National Map identifier
MetaSourceID	String	40	None	Metadata source identifier
SourceDataDesc	String	100	None	Source data description
SourceOriginator	String	130	None	Source data originator
SourceFeatureID	String	40	None	Source feature identifier
LoadDate	Date	8	None	Date
GNIS_ID	Long Integer	4	None	Geographic Names Information System identifier
AreaAcres	Double	8	None	Area in acres
AreaSqKm	Double	8	None	Area in square kilometers
States	String	50	None	The "States" field includes the names of all state(s) that the subwatershed falls within. The 2-digit postal abbreviation in upper case and in alphabetical order was used, separated with a comma
HUC4	String	4	None	4-digit hydrologic unit code



Field	Field Type	Field Length	Domain Name	Field Description
Name	String	120	None	4-digit hydrologic unit region name
Shape_Length	Double	8	None	Length of feature in internal units; positive real numbers that are automatically generated
Shape_Area	Double	8	None	Area of feature in internal units squared; positive real numbers that are automatically generated

**Domain Table Name:** D\_Accuracy

Coded Value	Description
+/- 3 feet, 90% (1:1,200-scale)	+/- 3 feet, 90% (1:1,200-scale)
+/- 7 feet, 90% (1:2,400-scale)	+/- 7 feet, 90% (1:2,400-scale)
+/- 33 feet, 90% (1:12,000-scale)	+/- 33 feet, 90% (1:12,000-scale)
+/- 40 feet, 90% (1:24,000-scale)	+/- 40 feet, 90% (1:24,000-scale)
+/- 170 feet, 90% (1:100,000-scale)	+/- 170 feet, 90% (1:100,000-scale)
+/- 420 feet, 90% (1:250,000-scale)	+/- 420 feet, 90% (1:250,000-scale)

**Domain Table Name:** D\_Available

Coded Value	Description
The "best available" geospatial detail is required (quality and detail may vary)	Best Available
Consistent level of geospatial detail is required (quality and detail will be the same, but better data for some areas may be available from other sources)	Consistent Level of Detail

**Domain Table Name: D\_Benefit**

<b>Coded Value</b>	<b>Description</b>
Major	Major
Moderate	Moderate
Minor	Minor
Don't Know	Don't Know
Not Applicable	Not Applicable

**Domain Table Name: D\_Bus\_Use**

<b>Coded Value</b>	<b>Description</b>
BU 01	River and Stream Flow Management
BU 02	Natural Resources Conservation
BU 03	Water Resource Planning and Management
BU 04	Water Quality
BU 05	River and Stream Ecosystem Management
BU 06	Coastal Zone Management
BU 07	Forest Resources Management
BU 08	Rangeland Management
BU 09	Wildlife and Habitat Management
BU 10	Agriculture and Precision Farming
BU 11	Geologic Resource Assessment and Hazard Mitigation
BU 12	Resource Mining
BU 13	Renewable Energy Resources
BU 14	Oil and Gas Resources
BU 15	Flood Risk Management
BU 16	Sea Level Rise and Subsidence
BU 17	Wildfire Management, Planning, and Response
BU 18	Homeland Security, Law Enforcement, and Disaster Response
BU 19	Marine and Riverine Navigation Safety

<b>Coded Value</b>	<b>Description</b>
BU 20	Infrastructure and Construction Management
BU 21	Urban and Regional Planning
BU 22	Health and Human Services
BU 23	Real Estate, Banking, Mortgage, and Insurance
BU 24	Education K-12 and Beyond
BU 25	Recreation

**Domain Table Name:** D\_CatchAcc

<b>Coded Value</b>	<b>Description</b>
Within 1% of actual area	Within 1% of actual area
Within 5% of actual area	Within 5% of actual area
Within 10% of actual area	Within 10% of actual area

**Domain Table Name:** D\_Char

<b>Coded Value</b>	<b>Description</b>
Linkages to observations associated with streamgages	Linkages to streamgage observations
Linkages to cross-sectional geometry of hydrographic feature (i.e. elevation-profile)	Linkages to cross section geometry
Left and right bank delineation (geometry that shows two banks instead of a centerline)	Left right bank delineation
Velocity estimates and/or time of travel	Velocity or time of travel
Leakage/seepage along natural lines (for example, sandy-bottomed streams)	Leakage along lines
Leakage/seepage at natural points (sinks, springs)	Leakage at points
Bankfull and/or flood stage	Flood stage
Floodplain boundary	Floodplain boundary
Flow periodicity (perennial, ephemeral, intermittent)	Flow periodicity
Lake and channel bathymetry	Riverine bathymetry
Coastlines	Coastlines
Coastal bathymetry	Coastal bathymetry

<b>Coded Value</b>	<b>Description</b>
Estuaries	Estuaries
Built diversion points (gates)	Diversion points
Bridges and culverts	Bridges, culverts
Built diversion lines (pipelines, canals, channels, conveyances)	Diversion lines
Deltas	Deltas
Wetlands	Wetlands
Badlands/deserts	Badlands
Network analysis – Navigate up or downstream on network	Navigate up or downstream on network
Network analysis – Calculate stream distance to any point on the network	Calculate stream distance to points
Network analysis – Calculate time of travel to another point on the network	Calculate time of travel to points
Area analysis – Find feature upstream or downstream within defined areas (i.e. watershed)	Find upstream or downstream feature within watershed
Area analysis – Determine drainage area upstream from a point	Calculate drainage area
Area analysis – Determine area and boundary on the network of a catchment	Delineate catchment
Area analysis – Determine downstream flood inundation area	Determine downstream flood area
Area analysis – Accumulate upstream or downstream features or attributes	Accumulate upstream or downstream features
On-network discovery – Find upstream or downstream points	Find upstream or downstream points
On-network discovery – Calculate distance between points or other attributes on network	Calculate distance on network
On-network discovery – Find features, events or addresses (i.e. reach code) on network	Find events or features on network
Visualization – View preset symbolization for network lines and other features	Preset symbolization
Visualization – View user defined symbolization for network lines and other features	User defined symbolization
Visualization – View online hydrography service with my own service (mash-ups)	Mash-ups
Animations – Render and view time-series information	Animation of time-series
Other (please specify):	Other

**Domain Table Name:** D\_Data\_Set

<b>Coded Value</b>	<b>Description</b>
National Hydrography Dataset (NHD)	National Hydrography Dataset (NHD)
National Hydrographic Dataset Plus (NHDPlus)	National Hydrographic Dataset Plus (NHDPlus)

<b>Coded Value</b>	<b>Description</b>
Watershed Boundary Dataset (WBD)	Watershed Boundary Dataset (WBD)
No hydrography data are currently being used	No hydrography data are currently being used
Other dataset (please provide name and brief description):	Other dataset (please provide name and brief description):

**Domain Table Name:** D\_ErrResolution

<b>Coded Value</b>	<b>Description</b>
Within 1 day	Within 1 day
Within 2-30 days	Within 2-30 days
Within 1-2 months	Within 1-2 months
Within 3-6 months	Within 3-6 months
Within 1 year	Within 1 year

**Domain Table Name:** D\_Fed\_Lands

<b>Coded Value</b>	<b>Description</b>
All Federally Owned Lands	All Federally Owned Lands
Department of Defense (DOD)	Department of Defense (DOD)
U.S. Forest Service (USFS)	U.S. Forest Service (USFS)
Bureau of Land Management (BLM)	Bureau of Land Management (BLM)
Bureau of Reclamation	Bureau of Reclamation
National Park Service (NPS)	National Park Service (NPS)
U.S. Fish and Wildlife Service (USFWS)	U.S. Fish and Wildlife Service (USFWS)
Tennessee Valley Authority (TVA)	Tennessee Valley Authority (TVA)
Other (enter name and/or description):	Other (enter name and/or description):

**Domain Table Name: D\_HLOAR**

<b>Coded Value</b>	<b>Description</b>
Perform Geospatial Analysis	Perform Geospatial Analysis
Associate Selected Data Type	Associate Selected Data Type
Visual Inspection	Visual Inspection
None	None

**Domain Table Name: D\_HUC**

<b>Coded Value</b>	<b>Description</b>
0101 - St. John	0101 - St. John
0102 - Penobscot	0102 - Penobscot
0103 - Kennebec	0103 - Kennebec
0104 - Androscoggin	0104 - Androscoggin
0105 - Maine Coastal	0105 - Maine Coastal
0106 - Saco	0106 - Saco
0107 - Merrimack	0107 - Merrimack
0108 - Connecticut	0108 - Connecticut
0109 - Massachusetts-Rhode Island Coastal	0109 - Massachusetts-Rhode Island Coastal
0110 - Connecticut Coastal	0110 - Connecticut Coastal
All codes	All codes
0202 - Upper Hudson	0202 - Upper Hudson
0203 - Lower Hudson-Long Island	0203 - Lower Hudson-Long Island
0204 - Delaware-Mid Atlantic Coastal	0204 - Delaware-Mid Atlantic Coastal
0205 - Susquehanna	0205 - Susquehanna
0206 - Upper Chesapeake	0206 - Upper Chesapeake
0207 - Potomac	0207 - Potomac
0208 - Lower Chesapeake	0208 - Lower Chesapeake
0301 - Chowan-Roanoke	0301 - Chowan-Roanoke

<b>Coded Value</b>	<b>Description</b>
0302 - Neuse-Pamlico	0302 - Neuse-Pamlico
0303 - Cape Fear	0303 - Cape Fear
0304 - Pee Dee	0304 - Pee Dee
0305 - Edisto-Santee	0305 - Edisto-Santee
0306 - Ogeechee-Savannah	0306 - Ogeechee-Savannah
0307 - Altamaha-St. Marys	0307 - Altamaha-St. Marys
0308 - St. Johns	0308 - St. Johns
0309 - Southern Florida	0309 - Southern Florida
0310 - Peace-Tampa Bay	0310 - Peace-Tampa Bay
0311 - Suwannee	0311 - Suwannee
0312 - Ochlockonee	0312 - Ochlockonee
0313 - Apalachicola	0313 - Apalachicola
0314 - Choctawhatchee-Escambia	0314 - Choctawhatchee-Escambia
0315 - Alabama	0315 - Alabama
0316 - Mobile-Tombigbee	0316 - Mobile-Tombigbee
0317 - Pascagoula	0317 - Pascagoula
0318 - Pearl	0318 - Pearl
0401 - Western Lake Superior	0401 - Western Lake Superior
0402 - Southern Lake Superior-Lake Superior	0402 - Southern Lake Superior-Lake Superior
0403 - Northwestern Lake Michigan	0403 - Northwestern Lake Michigan
0404 - Southwestern Lake Michigan	0404 - Southwestern Lake Michigan
0405 - Southeastern Lake Michigan	0405 - Southeastern Lake Michigan
0406 - Northeastern Lake Michigan-Lake Michigan	0406 - Northeastern Lake Michigan-Lake Michigan
0407 - Northwestern Lake Huron	0407 - Northwestern Lake Huron
0408 - Southwestern Lake Huron-Lake Huron	0408 - Southwestern Lake Huron-Lake Huron
0409 - St. Clair-Detroit	0409 - St. Clair-Detroit
0410 - Western Lake Erie	0410 - Western Lake Erie
0411 - Southern Lake Erie	0411 - Southern Lake Erie
0412 - Lake Erie	0412 - Lake Erie

<b>Coded Value</b>	<b>Description</b>
0413 - Southwestern Lake Ontario	0413 - Southwestern Lake Ontario
0414 - Southeastern Lake Ontario	0414 - Southeastern Lake Ontario
0415 - Northeastern Lake Ontario-Lake Ontario-St. Lawrence	0415 - Northeastern Lake Ontario-Lake Ontario-St. Lawrence
0501 - Allegheny	0501 - Allegheny
0502 - Monongahela	0502 - Monongahela
0503 - Upper Ohio	0503 - Upper Ohio
0504 - Muskingum	0504 - Muskingum
0505 - Kanawha	0505 - Kanawha
0506 - Scioto	0506 - Scioto
0507 - Big Sandy-Guyandotte	0507 - Big Sandy-Guyandotte
0508 - Great Miami	0508 - Great Miami
0509 - Middle Ohio	0509 - Middle Ohio
0510 - Kentucky-Licking	0510 - Kentucky-Licking
0511 - Green	0511 - Green
0512 - Wabash	0512 - Wabash
0513 - Cumberland	0513 - Cumberland
0514 - Lower Ohio	0514 - Lower Ohio
0601 - Upper Tennessee	0601 - Upper Tennessee
0602 - Middle Tennessee-Hiwassee	0602 - Middle Tennessee-Hiwassee
0603 - Middle Tennessee-Elk	0603 - Middle Tennessee-Elk
0604 - Lower Tennessee	0604 - Lower Tennessee
0701 - Mississippi Headwaters	0701 - Mississippi Headwaters
0702 - Minnesota	0702 - Minnesota
0703 - St. Croix	0703 - St. Croix
0704 - Upper Mississippi-Black-Root	0704 - Upper Mississippi-Black-Root
0705 - Chippewa	0705 - Chippewa
0706 - Upper Mississippi-Maquoketa-Plum	0706 - Upper Mississippi-Maquoketa-Plum
0707 - Wisconsin	0707 - Wisconsin
0708 - Upper Mississippi-Iowa-Skunk-Wapsipinicon	0708 - Upper Mississippi-Iowa-Skunk-Wapsipinicon



<b>Coded Value</b>	<b>Description</b>
0709 - Rock	0709 - Rock
0710 - Des Moines	0710 - Des Moines
0711 - Upper Mississippi-Salt	0711 - Upper Mississippi-Salt
0712 - Upper Illinois	0712 - Upper Illinois
0713 - Lower Illinois	0713 - Lower Illinois
0714 - Upper Mississippi-Kaskaskia-Meramec	0714 - Upper Mississippi-Kaskaskia-Meramec
0801 - Lower Mississippi-Hatchie	0801 - Lower Mississippi-Hatchie
0802 - Lower Mississippi-St. Francis	0802 - Lower Mississippi-St. Francis
0803 - Lower Mississippi-Yazoo	0803 - Lower Mississippi-Yazoo
0804 - Lower Red-Ouachita	0804 - Lower Red-Ouachita
0805 - Boeuf-Tensas	0805 - Boeuf-Tensas
0806 - Lower Mississippi-Big Black	0806 - Lower Mississippi-Big Black
0807 - Lower Mississippi-Lake Maurepas	0807 - Lower Mississippi-Lake Maurepas
0808 - Louisiana Coastal	0808 - Louisiana Coastal
0809 - Lower Mississippi	0809 - Lower Mississippi
0901 - Souris	0901 - Souris
0902 - Red	0902 - Red
0903 - Rainy	0903 - Rainy
0904 - Saskatchewan River	0904 - Saskatchewan River
1002 - Missouri Headwaters	1002 - Missouri Headwaters
1003 - Missouri-Marias	1003 - Missouri-Marias
1004 - Missouri-Musselshell	1004 - Missouri-Musselshell
1005 - Milk	1005 - Milk
1006 - Missouri-Poplar	1006 - Missouri-Poplar
1007 - Upper Yellowstone	1007 - Upper Yellowstone
1008 - Big Horn	1008 - Big Horn
1009 - Powder-Tongue	1009 - Powder-Tongue
1010 - Lower Yellowstone	1010 - Lower Yellowstone
1011 - Missouri-Little Missouri	1011 - Missouri-Little Missouri

<b>Coded Value</b>	<b>Description</b>
1012 - Cheyenne	1012 - Cheyenne
1013 - Missouri-Oahe	1013 - Missouri-Oahe
1014 - Missouri-White	1014 - Missouri-White
1015 - Niobrara	1015 - Niobrara
1016 - James	1016 - James
1017 - Missouri-Big Sioux	1017 - Missouri-Big Sioux
1018 - North Platte	1018 - North Platte
1019 - South Platte	1019 - South Platte
1020 - Platte	1020 - Platte
1021 - Loup	1021 - Loup
1022 - Elkhorn	1022 - Elkhorn
1023 - Missouri-Little Sioux	1023 - Missouri-Little Sioux
1024 - Missouri-Nishnabotna	1024 - Missouri-Nishnabotna
1025 - Republican	1025 - Republican
1026 - Smoky Hill	1026 - Smoky Hill
1027 - Kansas	1027 - Kansas
1028 - Chariton-Grand	1028 - Chariton-Grand
1029 - Gasconade-Osage	1029 - Gasconade-Osage
1030 - Lower Missouri	1030 - Lower Missouri
1101 - Upper White	1101 - Upper White
1102 - Upper Arkansas	1102 - Upper Arkansas
1103 - Middle Arkansas	1103 - Middle Arkansas
1104 - Upper Cimarron	1104 - Upper Cimarron
1105 - Lower Cimarron	1105 - Lower Cimarron
1106 - Arkansas-Keystone	1106 - Arkansas-Keystone
1107 - Neosho-Verdigris	1107 - Neosho-Verdigris
1108 - Upper Canadian	1108 - Upper Canadian
1109 - Lower Canadian	1109 - Lower Canadian
1110 - North Canadian	1110 - North Canadian

<b>Coded Value</b>	<b>Description</b>
1111 - Lower Arkansas	1111 - Lower Arkansas
1112 - Red Headwaters	1112 - Red Headwaters
1113 - Red-Washita	1113 - Red-Washita
1114 - Red-Sulphur	1114 - Red-Sulphur
1201 - Sabine	1201 - Sabine
1202 - Neches	1202 - Neches
1203 - Trinity	1203 - Trinity
1204 - Galveston Bay-San Jacinto	1204 - Galveston Bay-San Jacinto
1205 - Brazos Headwaters	1205 - Brazos Headwaters
1206 - Middle Brazos	1206 - Middle Brazos
1207 - Lower Brazos	1207 - Lower Brazos
1208 - Upper Colorado	1208 - Upper Colorado
1209 - Lower Colorado-San Bernard Coastal	1209 - Lower Colorado-San Bernard Coastal
1210 - Central Texas Coastal	1210 - Central Texas Coastal
1211 - Nueces Southwestern Texas Coastal	1211 - Nueces Southwestern Texas Coastal
1301 - Rio Grande Headwaters	1301 - Rio Grande Headwaters
1302 - Rio Grande-Elephant Butte	1302 - Rio Grande-Elephant Butte
1303 - Rio Grande-Mimbres	1303 - Rio Grande-Mimbres
1304 - Rio Grande-Amistad	1304 - Rio Grande-Amistad
1305 - Rio Grande Closed Basins	1305 - Rio Grande Closed Basins
1306 - Upper Pecos	1306 - Upper Pecos
1307 - Lower Pecos	1307 - Lower Pecos
1308 - Rio Grande-Falcon	1308 - Rio Grande-Falcon
1309 - Lower Rio Grande	1309 - Lower Rio Grande
1401 - Colorado Headwaters	1401 - Colorado Headwaters
1402 - Gunnison	1402 - Gunnison
1403 - Upper Colorado-Dolores	1403 - Upper Colorado-Dolores
1404 - Great Divide-Upper Green	1404 - Great Divide-Upper Green
1405 - White-Yampa	1405 - White-Yampa

<b>Coded Value</b>	<b>Description</b>
1406 - Lower Green	1406 - Lower Green
1407 - Upper Colorado-Dirty Devil	1407 - Upper Colorado-Dirty Devil
1408 - San Juan	1408 - San Juan
1501 - Lower Colorado-Lake Mead	1501 - Lower Colorado-Lake Mead
1502 - Little Colorado	1502 - Little Colorado
1503 - Lower Colorado	1503 - Lower Colorado
1504 - Upper Gila	1504 - Upper Gila
1505 - Middle Gila	1505 - Middle Gila
1506 - Salt	1506 - Salt
1507 - Lower Gila	1507 - Lower Gila
1508 - Sonora	1508 - Sonora
1601 - Bear	1601 - Bear
1602 - Great Salt Lake	1602 - Great Salt Lake
1603 - Escalante Desert-Sevier Lake	1603 - Escalante Desert-Sevier Lake
1604 - Black Rock Desert-Humboldt	1604 - Black Rock Desert-Humboldt
1605 - Central Lahontan	1605 - Central Lahontan
1606 - Central Nevada Desert Basins	1606 - Central Nevada Desert Basins
1701 - Kootenai-Pend Oreille-Spokane	1701 - Kootenai-Pend Oreille-Spokane
1702 - Upper Columbia	1702 - Upper Columbia
1703 - Yakima	1703 - Yakima
1704 - Upper Snake	1704 - Upper Snake
1705 - Middle Snake	1705 - Middle Snake
1706 - Lower Snake	1706 - Lower Snake
1707 - Middle Columbia	1707 - Middle Columbia
1708 - Lower Columbia	1708 - Lower Columbia
1709 - Willamette	1709 - Willamette
1710 - Oregon-Washington Coastal	1710 - Oregon-Washington Coastal
1711 - Puget Sound	1711 - Puget Sound
1712 - Oregon Closed Basins	1712 - Oregon Closed Basins

<b>Coded Value</b>	<b>Description</b>
1801 - Klamath-Northern California Coastal	1801 - Klamath-Northern California Coastal
1802 - Sacramento	1802 - Sacramento
1803 - Tulare-Buena Vista Lakes	1803 - Tulare-Buena Vista Lakes
1804 - San Joaquin	1804 - San Joaquin
1805 - San Francisco Bay	1805 - San Francisco Bay
1806 - Central California Coastal	1806 - Central California Coastal
1807 - Southern California Coastal	1807 - Southern California Coastal
1808 - North Lahontan	1808 - North Lahontan
1809 - Northern Mojave-Mono Lake	1809 - Northern Mojave-Mono Lake
1810 - Southern Mojave-Salton Sea	1810 - Southern Mojave-Salton Sea
1901 - Southeast Alaska	1901 - Southeast Alaska
1902 - South Central Alaska	1902 - South Central Alaska
1903 - Southwest Alaska	1903 - Southwest Alaska
1905 - Northwest Alaska	1905 - Northwest Alaska
1906 - Arctic Alaska	1906 - Arctic Alaska
1907 - Upper Yukon River/Headwaters Yukon-Lake Laberge	1907 - Upper Yukon River/Headwaters Yukon-Lake Laberge
1908 - Middle Yukon River	1908 - Middle Yukon River
1909 - Lower Yukon River	1909 - Lower Yukon River
2001 - Hawaii	2001 - Hawaii
2002 - Maui	2002 - Maui
2003 - Kahoolawe	2003 - Kahoolawe
2004 - Lanai	2004 - Lanai
2005 - Molokai	2005 - Molokai
2006 - Oahu	2006 - Oahu
2007 - Kauai	2007 - Kauai
2008 - Niihau	2008 - Niihau
2101 - Puerto Rico	2101 - Puerto Rico
2102 - Virgin Islands	2102 - Virgin Islands
2201 - Guam	2201 - Guam

<b>Coded Value</b>	<b>Description</b>
2202 - Northern Mariana Islands	2202 - Northern Mariana Islands
2203 - American Samoa	2203 - American Samoa

**Domain Table Name:** D\_Importance1

<b>Coded Value</b>	<b>Description</b>
Highly Desirable	Highly Desirable
Required	Required
Nice To Have	Nice to Have
Not Required	Not Required

**Domain Table Name:** D\_Importance2

<b>Coded Value</b>	<b>Description</b>
Highly Desirable	Highly Desirable
Not Required	Not Required
Required	Required
Nice To Have	Nice to Have

**Domain Table Name:** D\_Importance3

<b>Coded Value</b>	<b>Description</b>
Critically Impactful	Critically Impactful
Highly Impactful	Highly Impactful
Somewhat Impactful	Somewhat Impactful
Little or No Impact	Little or No Impact

**Domain Table Name: D\_Org\_Type**

<b>Coded Value</b>	<b>Description</b>
U.S. Territorial Government	U.S. Territorial Government
Federal Agencies and Commissions	Federal Agencies and Commissions
State Government	State Government
Regional, County, City or Other Local Government	Regional, County, City or Other Local Government
Tribal Government	Tribal Government
Not for Profit	Not for Profit
Private or Commercial	Private or Commercial

**Domain Table Name: D\_Problem**

<b>Coded Value</b>	<b>Description</b>
Major problem – data can not be used for Mission Critical Activity	Major problem – data can not be used for Mission Critical Activity
Significant problem, but we have workarounds	Significant problem, but we have workarounds
Minor problem, requires some intervention	Minor problem, requires some intervention
No problem at all	No problem at all

**Domain Table Name: D\_ProgDataRequired**

<b>Coded Value</b>	<b>Description</b>
12-digit Hydrologic Units	12-digit Hydrologic Units
8-digit Hydrologic Units	8-digit Hydrologic Units
6-digit Hydrologic Units	6-digit Hydrologic Units
4-digit Hydrologic Units	4-digit Hydrologic Units
2-digit Hydrologic Units	2-digit Hydrologic Units
NHDPlus Catchments	NHDPlus Catchments
State or Territory	State or Territory
Conterminous United States	Conterminous United States

<b>Coded Value</b>	<b>Description</b>
Nationwide including Alaska and Hawaii	Nationwide including Alaska and Hawaii
User defined map extent	User defined map extent
User defined irregular area (polygon)	User defined irregular area (polygon)
I don't know	I don't know
Other (please specify):	Other (please specify)

**Domain Table Name:** D\_ProgDataType

<b>Coded Value</b>	<b>Description</b>
Point, line, polygon - Open Geospatial Consortium (OGC) conformant (for example, WaterML, GeoJSON)	OGC conformant
Point, line, polygon - Esri shapefiles	Esri shapefiles
Point, line, polygon - Esri file geodatabase	Esri file geodatabase
Raster - NetCDF	Raster NetCDF
Raster - GeoTIFF	Raster GeoTIFF
Raster - NITF	Raster NITF
Raster - Esri Grid	Raster Esri Grid
Other format (please specify):	Other format (please specify)

**Domain Table Name:** D\_Small

<b>Coded Value</b>	<b>Description</b>
6 acres	6 acres
60 acres	60 acres
1 square mile (640 acres)	1 square mile (640 acres)
10 square miles (6,400 acres)	10 square miles (6,400 acres)
100 square miles (64,000 acres)	100 square miles (64,000 acres)
1000 square miles (640,000 acres)	1000 square miles (640,000 acres)
I don't know	I don't know



**Domain Table Name:** D\_StatePlus

<b>Coded Value</b>	<b>Description</b>
Alabama	Alabama
Alaska	Alaska
Arizona	Arizona
Arkansas	Arkansas
California	California
Colorado	Colorado
Connecticut	Connecticut
Delaware	Delaware
Florida	Florida
Georgia	Georgia
Hawaii	Hawaii
Idaho	Idaho
Illinois	Illinois
Indiana	Indiana
Iowa	Iowa
Kansas	Kansas
Kentucky	Kentucky
Louisiana	Louisiana
Maine	Maine
Maryland	Maryland
Massachusetts	Massachusetts
Michigan	Michigan
Minnesota	Minnesota
Mississippi	Mississippi
Missouri	Missouri
Montana	Montana
Nebraska	Nebraska

<b>Coded Value</b>	<b>Description</b>
Nevada	Nevada
New Hampshire	New Hampshire
New Jersey	New Jersey
New Mexico	New Mexico
New York	New York
North Carolina	North Carolina
North Dakota	North Dakota
Ohio	Ohio
Oklahoma	Oklahoma
Oregon	Oregon
Pennsylvania	Pennsylvania
Rhode Island	Rhode Island
South Carolina	South Carolina
South Dakota	South Dakota
Tennessee	Tennessee
Texas	Texas
Utah	Utah
Vermont	Vermont
Virginia	Virginia
Washington	Washington
Washington D.C.	Washington D.C.
West Virginia	West Virginia
Wisconsin	Wisconsin
Wyoming	Wyoming
American Samoa	American Samoa
Guam	Guam
Northern Mariana Islands	Northern Mariana Islands
Puerto Rico	Puerto Rico
Virgin Islands	Virgin Islands

<b>Coded Value</b>	<b>Description</b>
48 Conterminous States	48 Conterminous States

**Domain Table Name:** D\_Stream

<b>Coded Value</b>	<b>Description</b>
1.0 mile of surface water channel per square mile (1:100,000-scale)	1.0 mile of surface water channel per square mile (1:100,000-scale)
2.5 miles of surface water channel per square mile (1:24,000-scale)	2.5 miles of surface water channel per square mile (1:24,000-scale)
5.0 miles of channel per square mile (1:5,000-scale mapping)	5.0 miles of channel per square mile (1:5,000-scale mapping)
I don't know	I don't know

**Domain Table Name:** D\_UpFrequency

<b>Coded Value</b>	<b>Description</b>
Annually	Annually
2-3 years	2-3 years
4-5 years	4-5 years
6-10 years	6-10 years
>10 years	>10 years

**Domain Table Name:** D\_Waterbody

<b>Coded Value</b>	<b>Description</b>
Less than an acre	Less than an acre
1 acre	1 acre
2 acres	2 acres
5 acres	5 acres
10 acres	10 acres

<b>Coded Value</b>	<b>Description</b>
20 acres	20 acres
Other (please specify)	Other (please specify)

**Domain Table Name:** D\_Webmap

<b>Coded Value</b>	<b>Description</b>
Yes	Yes
Probably	Probably
Maybe	Maybe
No	No

**Domain Table Name:** D\_YesNo

<b>Coded Value</b>	<b>Description</b>
Yes	Yes
No	No

## Raw Geodatabase Entity Relationship Diagram

