

**ADB 2.3.0 Data Dictionary
November 2007**

ASSESSMENT_METHODS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – WQS_ATTAINMENTS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – WQS_ATTAINMENTS
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – WQS_ATTAINMENTS
METHODCODE	EPA unique identifier assigned to a method	NUMBER(6)	Y	PK, FK	FK – METHOD_LUT
STATE	State or other jurisdiction	CHAR(2)	Y	FK	FK – METHOD_LUT

ASSESSMENT_TYPES

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – WQS_ATTAINMENTS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – WQS_ATTAINMENTS
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – WQS_ATTAINMENTS
ASSMNT_TYPE	Code designating a category of data types used to make attainment/impairment decision	NUMBER(6)	Y	PK, FK	FK-ASSESSMENT_TYPE_LUT
ASSMNT_CONF	A score ranging from a lower range of 1 to an upper range of up to 4 indicating the reliability and precision of the applied assessment for a category of use-specific assessment type	CHAR(2)	N	PK	Values in (1, 2, 3, 4)

ASSESSMENT_UNIT_BLOBS

Field Name	Description	Type	Not Null	Constraint	Comment
AU_BLOB_ID	Unique identifier for the file	NUMBER(7)	Y	PK	
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	FK	FK – ASSESSMENT_UNITS
AU_BLOB_DESC	Description for the AU Blob	VARCHAR2(255)	Y		
AU_BLOB	Stored file associated with assessment unit/cycle	BLOB	N		

ASSESSMENT_UNITS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK	
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – STATE_ASSESSMENTS
STATE	ST - the 2 letter postal state abbreviations (e.g., VA for Virginia); exceptions are for 2 Interstate commissions. OV stands for ORSANCO (the Ohio River Valley Water Sanitation Commission) and DR stands for the Delaware River Basin Commission	CHAR(4)	Y	PK, FK	FK – STATE_ASSESSMENTS
WATER_NAME	Assessment unit name	VARCHAR2(100)	Y		
LOCATION	Description of the assessment unit's location	VARCHAR2(255)	Y		
TROPHIC_STATUS	Trophic status of publicly owned lakes	VARCHAR2(80)	N		Values in ('U', 'D', 'H', 'E', 'M', 'O')
PUBLIC_LAKE	Flag used to track public lakes	CHAR(1)	N		Values in ('Y', 'N')
MONITORING_SCHEDULE_DATE	Calendar year by which additional monitoring for attainment status will be completed	CHAR(4)	N		
CLASS_ID	Unique identifier for class assigned from WQSDB	NUMBER(6)	N	FK	FK – CLASS_LUT
CATEGORY_ID	State defined identifier for a category	VARCHAR2(10)	N		
AU_COMMENTS	Additional free-text information concerning the assessment unit	VARCHAR2(40)	N		
AU_OWNER	Used to track owner of the assessment unit	VARCHAR2(10)	N		
CYCLE_LAST_ASSESSED	Last cycle in which this assessment unit was assessed	CHAR(4)	N		
TREND	Trend as defined in Section 314 of the Clean Water Act	CHAR(1)	N	FK	FK – TREND_LUT
CAT_REPORT_FLAG	Flag used to track whether an assessment unit will be reported in single category (S) or multiple categories, uses (U) or causes (C) or both (B)	CHAR(1)	N		Values in ('S', 'U', 'C', 'B')
EPA_ADDED	Flag indicates whether EPA added a water or cause of impairment to the 303(d) list	CHAR(1)	N		

ASSESSMENT_WATERS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – ASSESSMENT_UNITS
WATER_TYPE	Water type of the assessment unit (e.g., River, Estuary, Wetland)	VARCHAR2(30)	Y	PK, FK	FK – WATER_TYPE_LUT
WATER_SIZE	Size of the assessment unit	NUMBER(38,6)	Y		

ATLAS

Field Name	Description	Type	Not Null	Constraint	Comment
STATE	State or other jurisdiction	CHAR(2)	Y	PK, FK	FK – STATE_ASSESSMENT
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – STATE_ASSESSMENT
TOPIC_ID	Code for the water type (i.e., River) or population being reported on	NUMBER(6)	Y	PK, FK	FK – ATLAS_LUT
TOPIC_OWNER	Denotes whether the topic is one of the default options or one added by the state	CHAR(2)	Y	FK	FK – ATLAS_LUT
TOPIC_SIZE	Water or population size for a given topic	NUMBER(28,6)	N		
TOPIC_SCALE	Scale at which the total size is determined (i.e., 1:100,000)	VARCHAR2(30)	N		
TOPIC_SOURCE	Source for the size information	VARCHAR2(40)	N		
TOPIC_COUNT	Count (number) of the specified water type in the state	NUMBER(6)	N		

AU_CAUSES

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – ASSESSMENT_UNITS
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	N	PK	
CYCLE_FIRST_LISTED	Cycle in which as assessment unit was first listed	CHAR(4)	N		
EXPECTED_TO_ATTAIN_DATE	Calendar year for which the associated uses impaired by this impairment will meet their standards by other means	CHAR(4)	N		
TMDL_SCHEDULE	Calendar year when the jurisdiction anticipates submitting the TMDL to EPA for approval	CHAR(4)	N		
TMDL_PRIORITY	Represents a States TMDL priority. Allowed values are H, M, L for High, Medium, and Low.	CHAR(1)	N		Values in ('L', 'M', 'H')
TMDL_COMPLETION_DATE	Date the TMDL was completed or the date by which a TMDL is expected to be completed	DATE	N		
TMDL_PROJECT_STATUS	Brief description regarding the status of the TMDL development for a given assessment unit/cause combination.	VARCHAR2(255)	N		
TMDL_PROJECT_COMMENT	Additional free-text information concerning the TMDL	VARCHAR2(4000)	N		
CONSENT_DECREE_CYCLE	Field indicates whether this assessment unit-cause combination was included in a consent decree and for what cycle.	CHAR(4)	N		
POLLUTANT_SOURCE_TYPE	Indicates whether the pollutant source type is a point source, non-point source, or both (PS/NPS/BOTH)	CHAR(1)	N		Values in ('P','N','B')
JUSTIFICATION_URL	Field stores the URL to a website or document justifying a 4B designation	VARCHAR2(250)	N		
OTHER_POINT_SOURCE_ID	Field stores information on other point sources associated with a 4B designation	VARCHAR2(4000)	N		

AU_DELIST

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – ASSESSMENT_UNITS
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK,FK	FK – CAUSE_LUT
DELISTING_REASON	Reason given for delisting	NUMBER(6)	Y	FK	FK – DELISTING_REASON_LUT
DELISTING_DATE	Date on which the delisting occurred	DATE	N		
DELISTING_COMMENT	Additional comment regarding delisting	VARCHAR2(4000)	N		

AU_LOCATIONS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – ASSESSMENT_UNITS
LOCID	Unique identifier assigned to a location	NUMBER(6)	Y	PK, FK	FK – LOCATIONS_LUT
STATE	State or other jurisdiction	CHAR(2)	Y	FK	FK – LOCATIONS_LUT
LATDD	Latitude in decimal degrees (only used if loctype is lat/long)	NUMBER(18,6)	N		
LONDD	Longitude in decimal degrees (only used if loctype is lat/long)	NUMBER(18,6)	N		

AU_NPDES

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – ASSESSMENT_UNITS
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK,FK	FK – CAUSE_LUT
NPDES_ID	NPDES ID number	VARCHAR2(9)	Y		

CAUSE_GROUPS

Field Name	Description	Type	Not Null	Constraint	Comment
CAUSE_GROUP_ID	Code designating a grouping of causes	NUMBER(6)	Y	PK, FK	FK – CAUSE_GROUP_LUT
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – CAUSE_LUT

CAUSES

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – WQS_ATTAINMENTS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – WQS_ATTAINMENTS
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – WQS_ATTAINMENTS
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – CAUSE_LUT
POLLUTANT_FLAG	Flag used to track if cause is a pollutant ('Y') or non-pollutant (NULL)	CHAR(1)	N		Values in ('Y', NULL)
CONFIDENCE	Represents a States confidence in the impairment. Allowed values are 'H', 'M', 'L' for High, Medium, and Low	CHAR(1)	N		Values in ('L', 'M', 'H')
CAUSE_COMMENTS	Additional free-text information concerning the impairments	VARCHAR2(4000)	N		
USER_FLAG	State definable field for causes	VARCHAR2(15)	N		
STATE_CAUSE_CATEGORY	The integrated report category for the assessment unit-cause combination reported by the state	VARCHAR2(10)	N		
EPA_ADDED	Flag indicates whether EPA added a water or cause of impairment to the 303(d) list	CHAR(1)	N		

CLASS_USE

Field Name	Description	Type	Not Null	Constraint	Comment
CLASS_ID	Unique identifier for CLASS_ID assigned from WQSDB	NUMBER(6)	Y	PK, FK	FK – CLASS_LUT
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – USE_LUT

CYCLE_TRACK

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK	
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK	
PREID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK	
PRECYCLE	Calendar year of the assessment	CHAR(4)	Y	PK	

Field Name	Description	Type	Not Null	Constraint	Comment
PURPOSE	Reason for change in assessment unit – Allowed values are split, join or rename	CHAR(10)	Y		Values in ('Split', 'Rename', 'Join')
AUTO_FLAG	Flag used to track if entry is automatic (1) or manual (0)	NUMBER(1)	Y		Values in (0, 1)

DBVERSION

Field Name	Description	Type	Not Null	Constraint	Comment
VERSION	Version of the back-end database	VARCHAR2(10)	Y		

IMPLEMENTATION_ACTIONS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – AU_CAUSES
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – AU_CAUSES
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – AU_CAUSES
ACTION_DATE	Date other pollution control requirement was/will be completed.	DATE	Y	PK	
IMPLEMENTATION_ACTION	Pollution control requirements other than a TMDL taken for an assessment unit to meet standards.	VARCHAR2(4000)	N		

LIST_ID

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – AU_CAUSES
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – AU_CAUSES
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – AU_CAUSES
ID303D	Unique identified for 303(d) listing ID	VARCHAR2(50)	Y	PK	

OBSERVED_EFFECTS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – WQS_ATTAINMENTS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – WQS_ATTAINMENTS
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – WQS_ATTAINMENTS
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – CAUSE_LUT
OBSERVED_EFFECTS_COMMENT	Comment on the observed effect	VARCHAR2(4000)	N		

PROJECT_CAUSES

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK, FK	FK – PROJECT_INFO
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – PROJECT_INFO
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – CAUSE_LUT
P_CAUSE_EST	Percent of non-attaining population impaired by the specific cause	NUMBER(28,5)	N		

PROJECT_DOCUMENTS

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK, FK	FK – PROJECT_INFO
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – PROJECT_INFO
DOC_ID	Identifier for the stored file	NUMBER(6)	Y	PK, FK	FK – PS_DOCUMENTS
STATE	State or other jurisdiction	CHAR(2)	Y	PK, FK	FK – PS_DOCUMENTS

PROJECT_GIS

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK, FK	FK – PROJECT_INFO
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – PROJECT_INFO
GIS_ID	Unique State assigned identifier use to identify the GIS zip file	VARCHAR2(50)	Y	PK	
GIS_DATUM	Datum of the GIS file e.g., NAD83	VARCHAR2(30)	N		
GIS_SCALE	Scale of the GIS file e.g., 1:100K	VARCHAR2(30)	N		

Field Name	Description	Type	Not Null	Constraint	Comment
GIS_PROJECTION	Projection of the GIS file	VARCHAR2(30)	N		
GIS_DESC	Description of the contents of the GIS files e.g., target population	VARCHAR2(255)	N		
GIS_FILE	The stored zipped GIS files	BLOB	N		

PROJECT_INFO

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK	
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK	
STATE	State or other jurisdiction	CHAR(2)	Y		
PROJECT_NAME	Name of the project	VARCHAR2(255)	Y		
TARGET_POPULATION	Description of the project target population	VARCHAR2(255)	Y		
NUM_SITES	Number of sites included in the project	NUMBER(6)	N		
WATER_TYPE	EPA Watertype represented by the target population	VARCHAR2(30)	Y		
TOTAL_WATER_SIZE	Total size represented by the target population	NUMBER(28,6)	Y		
ASSESSED_WATER_SIZE	Total size of the waters assessed	NUMBER(28,6)	N		
LOCATION_TYPE	Description of the type of location (i.e., 8-digit HUC, County, Statewide, etc.)	VARCHAR2(50)	N		
LOCATION_DESC	Values or description of the locations associated with a project	VARCHAR2(4000)	N		
INDICATOR_NAME	Indicator that was monitored (e.g. Biological, Trophic State Index, etc.)	VARCHAR2(50)	Y		
INDICATOR_DESC	Description of the indicator monitored	VARCHAR2(4000)	N		
ANALYSIS_DATE	Date the attainment decision was made	DATE	N		
PERCENT_ATTAINING	Percent of target population attaining standards	NUMBER(28,6)	Y		
PERCENT_NOT_ATTAINING	Percent of target population not attaining standards	NUMBER(28,6)	Y		
PERCENT_NON_RESPONSIVE	Percent of target population for which a use attainment assessment could not be completed	NUMBER(28,6)	Y		
N_CONF_INTERVAL	Precision of the not attaining estimate in the form of 90%, 95% or 99% confidence intervals	NUMBER(28,6)	N		Values in (90, 95, 99)

Field Name	Description	Type	Not Null	Constraint	Comment
N_STANDARD_DEV	Standard deviation for the not attaining decision	NUMBER(28,6)	N		
N_LOWER_CL	The lower confidence interval for the not attaining decision	NUMBER(28,6)	N		
N_UPPER_CL	The upper confidence interval for the not attaining decision	NUMBER(28,6)	N		
A_CONF_INTERVAL	Precision of the attaining estimate in the form of 90%, 95% or 99% confidence intervals	NUMBER(28,6)	N		Values in (90, 95, 99)
A_STANDARD_DEV	Standard deviation for the attaining decision	NUMBER(28,6)	N		
A_LOWER_CL	Standard deviation for the attaining decision	NUMBER(28,6)	N		
A_UPPER_CL	The lower confidence interval for the attaining decision	NUMBER(28,6)	N		
I_CONF_INTERVAL	Precision of the non responsive estimate in the form of 90%, 95% or 99% confidence intervals	NUMBER(28,6)	N		Values in (90, 95, 99)
I_STANDARD_DEV	Standard deviation for the non responsive decision	NUMBER(28,6)	N		
I_LOWER_CL	Standard deviation for the non responsive decision	NUMBER(28,6)	N		
I_UPPER_CL	The lower confidence interval for the non responsive decision	NUMBER(28,6)	N		
ASSMNT_METHODODOLOGY	Flag used to track whether an assessment methodology document was used to make the attainment decisions	CHAR(1)	N		Values in ('Y', 'N')
MONITORING_STRATEGY	Flag used to track whether a monitoring strategy document is associated with the project	CHAR(1)	N		Values in ('Y', 'N')
USES_OPTION	Code used to track whether the project is associated with state or national uses	CHAR(1)	N		

PROJECT_SOURCES

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK, FK	FK – PROJECT_INFO
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – PROJECT_INFO
SOURCE_ID	EPA unique identifier assigned to the source of the pollutant	NUMBER(6)	Y	PK, FK	FK – SOURCE_LUT
P_SOURCE_EST	Percent of non attaining population attributable to a particular source of pollution	NUMBER(28,6)	N		

PROJECT_USES

Field Name	Description	Type	Not Null	Constraint	Comment
PROJECT_ID	Unique identifier for probability survey. ID state defined	VARCHAR2(50)	Y	PK, FK	FK – PROJECT_INFO
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – PROJECT_INFO
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – USE_LUT

PS_DOCUMENTS

Field Name	Description	Type	Not Null	Constraint	Comment
DOC_ID	Identifier for the stored file	NUMBER(6)	Y	PK	
STATE	State or other jurisdiction	CHAR(2)	Y	PK	
DOC_DESC	Description of the stored document	VARCHAR2(255)	Y		
PS_DOCUMENT	Stored file	BLOB	N		

SOURCE_GROUPS

Field Name	Description	Type	Not Null	Constraint	Comment
SOURCE_ID	EPA identifier indicating the source of the pollutant	NUMBER(6)	Y	PK, FK	FK- SOURCES_LUT
SRC_GROUP_ID	Code designating a group of sources	NUMBER(6)	Y	PK, FK	FK – SOURCE_GROUPS_LUT

SOURCES

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK - CAUSES
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – CAUSES
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – CAUSES
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK, FK	FK – CAUSES
SOURCE_ID	EPA identifier indicating the source of the pollutant	NUMBER(6)	Y	PK, FK	FK – SOURCE_LUT
SOURCE_COMMENTS	Additional free-text information concerning the source	VARCHAR2(4000)	N		
CONFIRMED	Flag used to identify whether the source has been confirmed ('Y', 'N')	CHAR(1)	N		Values in ('Y', 'N')

STATE_ASSESSMENTS

Field Name	Description	Type	Not Null	Constraint	Comment
STATE	State or other jurisdiction	CHAR(2)	Y	PK, FK	FK – STATES
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK	
MERCURY_COMMENT	Comment on the 5M mercury reduction strategy	VARCHAR2(4000)	N		
MERCURY_URL	Field stores the URL to a website or document detailing the 5M mercury reduction strategy	VARCHAR2(250)	N		

TMDLS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK – AU_CAUSES
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK – AU_CAUSES
CAUSE_ID	EPA unique code identifying cause code TMDL applies to	NUMBER(6)	Y	PK, FK	FK – AU_CAUSES
TMDL_ID	The EPA total maximum daily load (TMDL) document ID that was developed for this assessment unit	NUMBER(6)	Y	PK	

USER_CATEGORIES

Field Name	Description	Type	Not Null	Constraint	Comment
STATE	State or other jurisdiction	CHAR(2)	Y	PK	
CATEGORY_ID	State defined identifier for a category	VARCHAR2(10)	Y	PK	
CATEGORY_DESC	Description of state defined category	VARCHAR2(4000)	N		

WQS_ATTAINMENTS

Field Name	Description	Type	Not Null	Constraint	Comment
ID305B	Unique identifier for assessment unit (water segment) ID state defined	VARCHAR2(50)	Y	PK, FK	FK –ASSESSMENT_UNITS
CYCLE	Calendar year of the assessment	CHAR(4)	Y	PK, FK	FK –ASSESSMENT_UNITS
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK, FK	FK – USE_LUT
ATTAINMENT	The attainment status for a particular assessment unit's designated use	CHAR(1)	Y	FK	FK – ATTAINMENT_LUT
THREATENED_FLAG	Flag used to indicate threatened waters. Threatened waters are those assessment units where designates uses are being attained, but non-attainment is predicated by the time the next Integrated Report is due to be submitted	CHAR(1)	N		Values in ('Y', NULL)
USER_FLAG	State definable field for uses	VARCHAR2(15)	N		
USE_COMMENT	Additional free-text information concerning the use	VARCHAR2(4000)	N		
ASSMNT_DATE	Date on which the use was assessed	DATE	N		
START_DATE	Date on which the use assessment was started	DATE	N		
END_DATE	Date on which the use assessment ended	DATE	N		
SAMPLE_DATE	Date on which a sample was taken	DATE	N		
KEY_DATE	Date use to mark a key date associated with the use	DATE	N		
ASSESSOR	Individual performing assessment	VARCHAR2(40)	N		
EPA_ADDED	Flag indicates whether EPA added a water or cause of impairment to the 303(d) list	CHAR(1)	N		
STATE_USE_CATEGORY	The integrated report category for the assessment unit-use combination reported by the state	VARCHAR2(10)	N		

LOOKUP TABLES

ASSESSMENT_CONF_LUT

Field Name	Description	Type	Not Null	Constraint
ASSMNT_CONF	A score ranging from a lower range of 1 to an upper range of up to 4 indicating the reliability and precision of the applied assessment for a category of use-specific assessment type	CHAR(2)	Y	PK
ASSMNT_CONF_DESC	The textual description of the reliability and precision of the applied assessment for a category of use-specific assessment type	VARCHAR2(200)	Y	

ASSESSMENT_TYPE_LUT

Field Name	Description	Type	Not Null	Constraint
ASSMNT_TYPE	Code designating a category of data types used to make attainment/impairment decision	NUMBER(6)	Y	PK
ASSMNT_TYPE_DESC	Description of the assessment type	VARCHAR2(4000)	Y	

ATLAS_LUT

Field Name	Description	Type	Not Null	Constraint
TOPIC_ID	Code for the water type (i.e., River) or population	NUMBER(6)	Y	PK
TOPIC_OWNER	Denotes whether the topic is one of the default options or one added by the state	CHAR(2)	Y	PK
TOPIC	Description of the water type or population	VARCHAR2(50)	N	
TOPIC_GROUP	Denotes higher level group the topic belongs to (i.e., rivers would belong to the TOTAL STREAMS/CREEKS/RIVERS topic group	VARCHAR2(50)	N	
SIZE_UNIT	Size of the topic	VARCHAR2(15)	N	
MAJOR_FLAG	Denotes whether the topic is one of the major topic groups	NUMBER(6)	N	

ATTAINMENT_LUT

Field Name	Description	Type	Not Null	Constraint
ATTAINMENT	Code for the attainment status for a particular assessment unit's designated use	CHAR(1)	Y	PK
ATTAINMENT_DESC	Description of the attainment status for a particular assessment unit's designated use	VARCHAR2(80)	Y	

CAUSE_GROUP_LUT

Field Name	Description	Type	Not Null	Constraint
CAUSE_GROUP_ID	Code designating a grouping of causes	NUMBER(6)	Y	PK
CAUSE_GROUP_NAME	Cause group or classification name like "priority pollutant," "metals," or "carcinogens"	VARCHAR2(240)	Y	

CAUSE_LUT

Field Name	Description	Type	Not Null	Constraint
CAUSE_ID	EPA unique identifier assigned to the cause	NUMBER(6)	Y	PK
CAUSE_NAME	Name of the impairment cause	VARCHAR2(240)	Y	
CAS_NO	Chemical abstract number for chemical impairment causes	VARCHAR2(11)	N	
EPA_NO	EPA chemical identifier for biological impairment cause	VARCHAR2(240)	N	
BIN	Biological identifier number for biological impairment cause	VARCHAR2(10)	N	
STORET_NO	Storet system number	VARCHAR2(10)	N	
CAUSE_DESC	Additional information concerning the impairment cause	VARCHAR2(4000)	N	

CLASS_LUT

Field Name	Description	Type	Not Null	Constraint
CLASS_ID	Unique identifier for CLASS_ID assigned from WQSDB	NUMBER(6)	Y	PK
CLASS_NAME	Name of the class from WQS Regs Document	VARCHAR2(100)	Y	
CLASS_DESC	Description of Class from WQS Regs Document	VARCHAR2(4000)	N	
STATE	ST - the 2 letter postal state abbreviations (e.g., VA for Virginia); exceptions are for 2 Interstate commissions. OV stands for ORSANCO (the Ohio River Valley Water Sanitation Commission) and DR stands for the Delaware River Basin Commission	CHAR(2)	N	

DELISTING_REASON_LUT

Field Name	Description	Type	Not Null	Constraint
DELISTING_REASON	Code for the rationale for the delisting of an Assessment Unit/Pollutant combination	NUMBER(6)	Y	PK
DELISTING_REASON_DESC	Description of the rationale for the delisting of an Assessment Unit/Pollutant Combination.	VARCHAR2(255)	Y	
REASON_FLAG	A flag indicating whether this is a delisting reason (D) or WQS attainment (W) reason	CHAR(1)	N	Values in ('D','W')
CURRENT_FORMAL_DESCRIPTION	The current formal EPA delisting or WQS attainment description	VARCHAR2(250)	N	
SORT_ORDER	Column used to sort the rows in a particular order	NUMBER(6,0)	N	
CURRENT_FLAG	Column used to determine which delisting reasons are current	NUMBER(6,0)	N	

LOCATIONS_LUT

Field Name	Description	Type	Not Null	Constraint
LOCID	Identifier assigned for the location	NUMBER(6)	Y	PK
STATE	State or other jurisdiction	CHAR(2)	Y	PK
LOCTYPE	Type of location (e.g., HUC, County, Eco-region, etc)	VARCHAR2(20)	Y	
LOCATION	Name of the location	VARCHAR2(100)	Y	

METHODS_LUT

Field Name	Description	Type	Not Null	Constraint
METHODCODE	EPA unique identifier assigned to a method	NUMBER(6)	Y	PK
STATE	State or other jurisdiction	CHAR(2)	Y	PK
METHODNAME	Name of method	VARCHAR2(90)	Y	

SOURCE_GROUPS_LUT

Field Name	Description	Type	Not Null	Constraint
SRC_GROUP_ID	Code designating a group of sources	NUMBER(6)	Y	PK
SRC_GROUP_NAME	The name of the source group		Y	

SOURCE_LUT

Field Name	Description	Type	Not Null	Constraint
SOURCE_ID	EPA identifier indicating the source of the pollutant	NUMBER(6)	Y	PK
SOURCE_NAME	The source of a pollutant	VARCHAR2(250)	Y	
SOURCE_DESC	Additional information about the pollutant source	VARCHAR2(4000)	N	

STATES

Field Name	Description	Type	Not Null	Constraint
REGION	EPA Region ID	VARCHAR2(2)	Y	
STATE	State or other jurisdiction	CHAR(2)	Y	PK
STATE_FIPS_CODE	Federal Information Processing Standard Codes for the Identification of the States, The District of Columbia and the Outlying Areas of the United States, and Associated Areas	VARCHAR2(2)	Y	
STATE_NAME	The name of the State	VARCHAR2(20)	Y	

TREND_LUT

Field Name	Description	Type	Not Null	Constraint
TREND	Code for the water quality trend for a particular assessment unit as defined in Section 314 of the Clean Water Act	CHAR(1)	Y	PK
TREND_DESC	Description of the water quality trend for a particular assessment unit as defined in Section 314 of the Clean Water Act	VARCHAR2(50)	Y	

USE_LUT

Field Name	Description	Type	Not Null	Constraint
USE_ID	EPA unique identifier assigned to a designated use	NUMBER(6)	Y	PK
USE_DESC	Water use description as defined by EPA's Water Quality Standards System	VARCHAR2(4000)	Y	
STATE	State or other jurisdiction	CHAR(2)	N	
EFFECTIVE_DATE	The date that the state established the water use	DATE	N	

WATER_TYPE_LUT

Field Name	Description	Type	Not Null	Constraint
WATER_TYPE	Water type of the assessment unit (e.g., River, Estuary, Wetland)	VARCHAR2(30)	Y	PK
EPA_WATER_TYPE	An EPA defined water type (e.g., STREAM/CREEK/RIVER)	VARCHAR2(30)	Y	
SIZE_UNIT	The standard unit of measure to use for this Watertype (miles, acres, square miles)	VARCHAR2(15)	Y	