Table Name: ATI   Data describing an aquifer pump, slug or tracer test used to determine aquifer attributes

Column Name	Data Type	PK?	Nullable	VVL	Description
ATI_HEADDIR	varchar (3)		Yes	CHD	The direction of the observed or expected well drawdown trend during a slug or aquifer test. This may be expressed as rising head, falling head, drawdown, residual, or recovery.
ATI_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
ATI_LOGDATE	datetime		No		LOG DATE: Starting date/time that a sample is collected, a field test is performed, or a QC sample is created.
ATI_LOGTIME	datetime		No		LOG Time: Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created.
ATI_RECNO	bigint	Yes	No		Unique system generated sequence number.
ATI_REMARKS	varchar (240)		Yes		
ATI_SLUGVOL	decimal (6,2)		Yes		SLUG VOLUME: The volume of a slug used to displace ground water during a slug test.
ATI_SUBMDATE	datetime		Yes		Date of submittal.
ATI_UNITS	varchar (10)		Yes	UTM	The units in which the volume of the slug was measured.
ATI_UPTIME	datetime		Yes		The date the record was last modified.
ATI_UPUSER	varchar (500)		Yes		The last user to update the record
ATI_USER_COMMENTS	varchar (4000)		Yes		
ATI_USER_NUMBER	decimal (14,6)		Yes		
ATI_VALSTATUS	varchar (12)		Yes		Status of record validation.
LDI_RECNO	bigint		No		Value that ties record to parent LDI

Associated Tables

Table Name

LDI

Table Name: CALC — Parameters which are calculated or obtained from aquifer and tracer tests, such as pump or slug tests

Column Name	Data Type	PK?	Nullable	VVL	Description
CALC_AQBASEDEPTH	decimal (7,2)		Yes		The estimated depth of the aquifer used to make the calculation.
CALC_AQTHICK	decimal (7,2)		Yes		The assumed saturated thickness of the aquifer used to perform the calculation.
CALC_CALCMETH	varchar (5)		No	CMT	The type of method used to calculate the results (e.g., Theis, Theim, Chow, Hantush-Jacob, etc).
CALC_CALCPARCODE	varchar (5)		No	CPC	The type of result of the calculation (e.g., transmissitivity, hydraulic conductivity, storage coefficient, etc.).
CALC_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
CALC_LOGDATE	datetime		No		The starting Date/Time of the aquifer test that is being taken.
CALC_LOGTIME	datetime		No		Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created
CALC_PARVAL	decimal (16,6)		Yes		The value of the calculation result.
CALC_RECNO	bigint	Yes	No		Unique system generated sequence number.
CALC_REMARKS	varchar (240)		Yes		Comments concerning the calculation, including definitions or explanations for constants, variables, or assumptions used to derive the result.
CALC_SUBMDATE	datetime		Yes		Date of submittal.
CALC_SUPPDATA	varchar (3)		Yes	SPM	(VVL- SPD) Indicates that primary data (e.g., pump test or slug test data) supporting the calculation are available.
CALC_TESTMETH	varchar (5)		No	TMT	The type of test that is being performed on the well for which the calculation is being made.
CALC_UNITS	varchar (10)		Yes	UTM	The units used for the calculation result.
CALC_UPTIME	datetime		Yes		The date the record was last updated.
CALC_UPUSER	varchar (500)		Yes		The last user to update the record.
CALC_USER_COMMENTS	varchar (4000)		Yes		
CALC_USER_NUMBER	decimal (14,6)		Yes		
CALC_VALSTATUS	varchar (12)		Yes		Status of record validation.
CALC_WELLDIST	decimal (6,2)		Yes		The distance from the pumping well to the observation well.

Table Name: CALC

Parameters which are calculated or obtained from aquifer and tracer tests, such as pump or slug tests

Column Name	Data Type	PK?	Nullable	VVL	Description
CALC_WTDEPTH	decimal (7,2)		Yes		The estimated depth of the water table used for the calculation. This value would be the top of a confined aquifer.
LDI_RECNO	bigint		No		Value that ties record to parent LDI

Associated Tables

Table Name

LDI

Table Name: EMI   Result information for tests that fall outside the category of standard analytical testing

Column Name	Data Type	PK?	Nullable	VVL	Description
EMI_ANADATE	datetime		No		The starting date of the sample test. This attribute is used if the samples are related to an aquifer test or tracer test. A series of samples taken at different times can be related using the start date and
EMI_ANATIME	datetime		No		The starting time of the sample test. This attribute is used if the samples are related to an aquifer test or tracer test. A series of samples taken at different times can be related using the start date and
EMI_ANATYPE	varchar (5)		No	ANT	The type of test being performed on the sample (e.g., air sampling, water velocity, soil sample. well bore fluid sample, etc.).
EMI_LOGDATE	datetime		No		The date/time the sample was taken.
EMI_LOGTIME	datetime		No		Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created.
EMI_MATRIX	varchar (2)		No	MTX	(VVL: VVLMTX) SAMPLING MATRIX: Coded value identifying the specific sample medium actually being analyzed, i.e., drill cuttings, waste water, etc.
EMI_PARVAL	decimal (16,6)		Yes		The value of the test result.
EMI_QUALIFIER	varchar (2)		Yes	EDQ	Coded value qualifying the reported result in EMI
EMI_RECNO	bigint	Yes	No		Unique system generated sequence number.
EMI_REMARKS	varchar (240)		Yes		Comments to clarify the sample test.
EMI_SBD	decimal (7,2)		No		The top of the interval from which the sample was collected or recovered, expressed in feet relative to mean sea level.
EMI_SED	decimal (7,2)		No		If the sample is recovered from an interval, the bottom of the interval the sample was recovered from. Interval are measured as elevation. Elevations uses mean sea level as datum. Intervals below mean sea level are
EMI_SUBMDATE	datetime		Yes		Date of submittal.
EMI_UNITS	varchar (10)		Yes	UTM	The units of the result test.
EMI_UPTIME	datetime		Yes		The date the record was last updated.
EMI_UPUSER	varchar (500)		Yes		The last user to update the record.
EMI_USER_COMMENTS	varchar (4000)		Yes		
EMI_USER_NUMBER	decimal (14,6)		Yes		
EMI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: EMI   Result information for tests that fall outside the category of standard analytical testing

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI

Associated Tables

Table Name

LDI

Table Name: FREQUENCY   No table comments available

Column Name	Data Type	PK?	Nullable	VVL	Description
FREQUENCY_ANMCODE	varchar (7)		No	ANM	
FREQUENCY_BS	int		Yes		
FREQUENCY_FD	int		Yes		
FREQUENCY_FR	int		Yes		
FREQUENCY_LB	int		Yes		
FREQUENCY_MATRIX_TYPE	varchar (1)		No	MTY	
FREQUENCY_MS	int		Yes		
FREQUENCY_RECNO	bigint	Yes	No		
FREQUENCY_REFERENCE	varchar (255)		Yes		
FREQUENCY_SD	int		Yes		
FREQUENCY_SOURCE	varchar (1)		No	PJTT	
FREQUENCY_SUBMDATE	datetime		Yes		Date of submittal.
FREQUENCY_UPTIME	datetime		Yes		
FREQUENCY_UPUSER	varchar (500)		Yes		
FREQUENCY_USER_COMMENTS	varchar (4000)		Yes		
FREQUENCY_USER_NUMBER	decimal (14,6)		Yes		
FREQUENCY_VALSTATUS	varchar (12)		Yes		Status of record validation.
PROJECT_RECNO	bigint		No		

Associated Tables

Table Name

PROJECT

Table Name: GSI   Description of an Air Force IRP site. A site is an area on.

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_AFCEE_EDIT	varchar (1)		No		
GSI_CLSCODE	varchar (4)		Yes	CLS	Final disposition of the site in the IRP process.
GSI_CRDMETH	varchar (5)		Yes	CRD	Indicates method used to determine the location (e.g., SURVey, GPS, estimated, digitized).
GSI_CRDTYPE	varchar (3)		Yes	CRT	The type of coordinate system used (i.e., UTM,STP,GEO).
GSI_CRDUN	decimal (6,3)		Yes		The expression of the precision of the location coordinates.
GSI_CRDUNITS	varchar (10)		Yes	UTM	Code indicating whether the applicable state-planer system uses feet or meters as the unit of measure.
GSI_HRS	smallint		Yes		Score for the site based on the Hazard Ranking System (HRS) model analysis.
GSI_HRSMODEL	varchar (5)		Yes		Version of the Hazard Ranking System (HRS) used to generate the HRS score.
GSI_LLEAST	int		Yes		The lower left x-value of a general area of interest.
GSI_LLNORTH	int		Yes		The lower left y-value of a general area of interest.
GSI_MAPRID	varchar (8)		Yes		Identifies the map reference; currently available in IRPIMS for tracking physical map of installation.
GSI_NPLDATE	datetime		Yes		Date the installation was added to the National Priorities List.
GSI_NPLDELIST	datetime		Yes		Date the installation was removed to the National Priorities List.
GSI_OSITEID	varchar (5)		Yes		Unique identifier of the "official" site that an "unofficial" site is considered to be a part of from a program management perspective.
GSI_RECNO	bigint	Yes	No		System generated unique identifier.
GSI_RRMODEL	varchar (5)		Yes		Indicates the model used for obtaining the relative risk assessment score. For compatibility with DESCIM model.
GSI_RRSCORE	smallint		Yes		Used to indicate relative risk assessment. For compatibility with DESCIM model.
GSI_SITEDESC	varchar (240)		Yes		SITE DESCRIPTION: General description of a site.
GSI_SITEID	smallint		No		Number which uniquely identifies a site.
GSI_SITENAME	varchar (35)		Yes		SITE NAME: The name of a site.
GSI_SITEXREF	varchar (10)		Yes		Short name for the site.
GSI_SPMCODE	varchar (2)		Yes	SPM	(VVL- SPM) Site Class. from a Program Management Perspective.

Table Name: GSI

Description of an Air Force IRP site. A site is an area on.

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_STACODE	varchar (5)		Yes	STA	Current status of the site as of a particular date.
GSI_STADATE	datetime		Yes		Date for which the status indicator was established.
GSI_STCCODE	varchar (2)		Yes	STC	General type of the site.
GSI_STPPROJ	varchar (5)		Yes		Geographic projection used by the state planar system.
GSI_STPZONE	varchar (5)		Yes	STZ	The coordinate zone needed in order for the Geodetic Datum attribute to make sense. For Compatibility with DESCIM.
GSI_STSCODE	varchar (2)		Yes	STS	General topographic setting of the area where the site is located or the geomorphic process over which the site is located.
GSI_SUBMDATE	datetime		Yes		Date of submittal.
GSI_SURFAREA	decimal (6,2)		Yes		Surface area of the site ft2/m2.
GSI_UPTIME	datetime		Yes		The date the record was last updated.
GSI_UPUSER	varchar (500)		Yes		The last user to update the record.
GSI_UREAST	int		Yes		The upper right x-value of a general area of interest.
GSI_URNORTH	int		Yes		The upper right y-value of a general area of interest.
GSI_USER_COMMENTS	varchar (4000)		Yes		
GSI_USER_NUMBER	decimal (14,6)		Yes		
GSI_UTMZONE	varchar (5)		Yes	UTZ	The coordinate zone needed in order for the Geodetic Datum attribute to make sense. For Compatibility with DESCIM.
GSI_VALSTATUS	varchar (12)		Yes		Status of record validation.
GSI_WIMS_ID	varchar (5)		Yes		WORK INFORMATION MANAGEMENT SYSTEM IDENTIFIER: The identifier for the site in the Work Information Management System - Environmental Subsystem.

Table Name: GWD   Specific test data to determine the ground water level over time at a location

Column Name	Data Type	PK?	Nullable	VVL	Description
GWD_DRY	varchar (1)		Yes		Y/N flag indicating whether the well is dry.
GWD_FTCODE	varchar (1)		Yes	FTC	Coded value indicating whether the liquid level in the well is groundwater or some immissible onaqueous liquid.
GWD_IBDEPTH	decimal (9,2)		No		The upper depth of the interval being tested
GWD_IEDEPTH	decimal (9,2)		No		The lower depth of the interval that is being tested
GWD_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
GWD_LOGDATE	datetime		No		LOG DATE: Starting date/time that a sample is collected, a field test is performed, or a QC sample is created.
GWD_LOGTIME	datetime		No		LOG TIME: Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created.
GWD_MEASMETH	varchar (5)		Yes	MMT	Coded value representing the method used to make the measurement.
GWD_OBS_MPELEV	decimal (7,2)		Yes		Observing MEASURING POINT ELEVATION.
GWD_RECNO	bigint	Yes	No		Unique system generated sequence number.
GWD_REMARKS	varchar (240)		Yes		Textual comment describing the groundwater measurement level.
GWD_SOUNDING	decimal (7,2)		Yes		SOUNDING: Total depth to the bottom of well in feet at time of test, measured from the reference point.
GWD_STATDEP	decimal (7,2)		Yes		STATIC WATER DEPTH: Depth to water in feet measured from the measuring point.
GWD_SUBMDATE	datetime		Yes		Date of submittal.
GWD_UPTIME	datetime		Yes		The date the record was last updated.
GWD_UPUSER	varchar (500)		Yes		The last user to update the record.
GWD_USER_COMMENTS	varchar (4000)		Yes		
GWD_USER_NUMBER	decimal (14,6)		Yes		
GWD_VALSTATUS	varchar (12)		Yes		Status of record validation.
LDI_RECNO	bigint		No		Value that ties record to parent LDI

Table Name:	GWD		Specific test data to determine the ground water level over time at a location			
Column Name		Data Type	PK?	Nullable	VVL	Description

Associated Tables

Table Name

LDI

Table Name: HSU

Data for a body of rock with lateral extent that composes a geologic framework for a hydrologic system

Column Name	Data Type	PK?	Nullable	VVL	Description
HSU_HS_UNIT	varchar (25)		No		Working name given to the unit.
HSU_HSDESC	varchar (240)		Yes		Textual description of the hydrostratigraphic unit.
HSU_HSTYPE	varchar (4)		Yes	LTH	USGS soil or rock classification for the type of soil/rock which comprises this hydrostratigraphic unit.
HSU_RECNO	bigint	Yes	No		Unique system generated sequence number.
HSU_SUBMDATE	datetime		Yes		Date of submittal.
HSU_UPTIME	datetime		Yes		The date the record was last updated.
HSU_UPUSER	varchar (500)		Yes		The last user to update the record.
HSU_USER_COMMENTS	varchar (4000)		Yes		
HSU_USER_NUMBER	decimal (14,6)		Yes		
HSU_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: LDI General information about sampling locations.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_AFCEE_EDIT	varchar (1)		No		
LDI_AFIID	varchar (5)		No		(VVL: AFI) AIR FORCE INSTALLATION IDENTIFICATION: Unique code used to represent an Air Force installation, plant, or base.
LDI_BHANGLE	decimal (5,2)		Yes		Angle at which borehole was drilled.
LDI_BHAZIM	decimal (6,2)		Yes		Azimuth (degrees on a compass) of which the borehole was drilled.
LDI_BHDIAM	decimal (4,2)		Yes		BOREHOLE DIAMETER: The diameter of a borehole in inches.
LDI_CMCCODE	varchar (2)		Yes	CMC	(VVL: VVLCMC) CONSTRUCTION METHOD CODE: Coded value identifying the method by which a borehole or test pit was constructed (Drilling or Excavation Method).
LDI_CP_DIAM	decimal (7,2)		Yes		The diameter in feet represented by a complete sample
LDI_CRDMETH	varchar (5)		Yes	CRD	Indicates method used to determine the location (e.g., survey, GPS, estimated, digitized).
LDI_CRDTYPE	varchar (3)		Yes	CRT	The type of coordinate system used (i.e., UTM,STP,GEO).
LDI_CRDUN	decimal (6,3)		Yes		The expression of the precision of the location coordinates.
LDI_CRDUNITS	varchar (10)		Yes	UTM	Units of measure of the surveyed northing and easting values.
LDI_DATUM	varchar (5)		Yes		Identifier representing the geodetic datum used in the survey (e.g., State Plane Coordinate System NAD 1983,Florida Western Zone).
LDI_DEPTH	decimal (7,2)		Yes		BOREHOLE DEPTH: The total depth of a borehole (including boreholes drilled to install wells) Measured in feet relative to ground surface.
LDI_DRLCODE	varchar (4)		Yes	DRL	(VVL: VVLDRL) DRILLING COMPANY CODE: Coded value identifying the organization that drilled borehole at a sampling or measuring location. This organization is typically the drilling subcontractor.
LDI_ECOORD	decimal (10,2)		Yes		EAST STATE PLANE COORDINATE: The x-value (East-West) of the distance in feet of a sampling or measuring location from the reference location of known state plane coordinates.
LDI_ELEV	decimal (7,2)		Yes		SURFACE ELEVATION: Elevation of ground surface (for groundwater, soil, or sediment sampling) or Water surface (for surface water sampling) at a sampling or measuring location.
LDI_ELEVMETH	varchar (5)		Yes	ELM	Method used in to determine the location elevation.
LDI_ELEVUN	decimal (6,3)		Yes		The expression of the precision of the location coordinates.

Table Name: LDI   General information about sampling locations.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_ELEVUNITS	varchar (10)		Yes	UTM	The unit that the elevation was measured in (feet or meters) (f/m).
LDI_ELFLAG	smallint		Yes		Flag that indicates whether or not more current measurements for the Ground Surface Elevation are available in the Well Maintenance table.
LDI_ESCCODE	varchar (4)		Yes	ESC	(VVL: VVLESC) ESTABLISHING COMPANY CODE: Coded value identifying the organization which establishes a sampling or measuring location, typically the prime contractor.
LDI_ESTDATE	datetime		Yes		DATE ESTABLISHED: The date that construction of a sampling or measuring location was completed.
LDI_EXCCODE	varchar (4)		Yes	EXC	(VVL: VVLEXC) EXCAVATING COMPANY CODE: Coded value identifying the organization that Excavateda test pit at a sampling or measuring location.
LDI_GEOLOG	varchar (35)		Yes		Contains the reference to any/all geophysical logs created during drilling operations.
LDI_LOCDESC	varchar (240)		Yes		LOCATION DESCRIPTION: Any additional information to describe a sampling or measuring location in text format.
LDI_LOCID	varchar (15)		No		LOCATION IDENTIFICATION: Unique identifier assigned to a location within a USAF installation where measurements or samples are taken.
LDI_LPRCODE	varchar (1)		Yes	LPR	(VVL: VVLLPR) Location Proximity Code. Coded value indicating whether sampling or measuring location is within or outside the Air Force installation boundaries.
LDI_LTCCODE	varchar (2)		Yes	LTC	(VVL: VVLLTC) LOCATION CLASSIFICATION CODE: Coded value describing location where measurements or samples are taken.
LDI_NCOORD	decimal (10,2)		Yes		NORTH STATE PLANE COORDINATE: The y-value (North-South) of the distance in feet of a sampling or measuring location from the reference location of known state plane coordinates.
LDI_NULL_COORD	bigint		Yes		column used in combination with east/north coords column to form a unique index - necessary because of null coord values
LDI_RECNO	bigint	Yes	No		Unique system generated sequence number.
LDI_STPZONE	varchar (5)		Yes	STZ	The coordinate zone needed in order for the Geodetic Datum attribute to make sense. For Compatibility With DESCIM.
LDI_SUBMDATE	datetime		Yes		Date of submittal.
LDI_UPTIME	datetime		Yes		The date the record was last updated.

Table Name: LDI

General information about sampling locations.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_UPUSER	varchar (500)		Yes		The last user to update the record.
LDI_USER_COMMENTS	varchar (4000)		Yes		
LDI_USER_NUMBER	decimal (14,6)		Yes		
LDI_UTMZONE	varchar (5)		Yes	UTZ	
LDI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: LOCALIAS   Alternate names for sampling locations

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
LOCALIAS_AFCEE_EDIT	varchar (1)		No		tracks if a afcee supplied record is modified.
LOCALIAS_ALIASDATE	datetime		Yes		Date the alias was established.
LOCALIAS_LOCADESC	varchar (240)		Yes		Textual description of the alias.
LOCALIAS_LOCID	varchar (15)	Yes	No		New location name for a site
LOCALIAS_OLD_LOCID	varchar (15)	Yes	No		Name previously used for the site, or currently used by another organization
LOCALIAS_UPTIME	datetime		Yes		The date the record was last modified.
LOCALIAS_UPUSER	varchar (500)		Yes		The last user to update the record

Associated Tables

Table Name

LDI

Table Name: LOX   Cross-reference table between sampling locations and operable units

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI record
LOX_RECNO	bigint	Yes	No		Unique system generated sequence number.
LOX_SUBMDATE	datetime		Yes		Date of submittal.
LOX_UPTIME	datetime		Yes		The date the record was last updated.
LOX_UPUSER	varchar (500)		Yes		The last user to update the record.
LOX_USER_COMMENTS	varchar (4000)		Yes		
LOX_USER_NUMBER	decimal (14,6)		Yes		
LOX_VALSTATUS	varchar (12)		Yes		Status of record validation.
OU_RECNO	bigint		No		Column that ties record to parent OU record. Used as part of the primary key.

Associated Tables

Table Name

OU

LDI

Table Name: LSX   Cross-reference table between locations and remediation systems.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
LSX_RECNO	bigint	Yes	No		Unique system generated sequence number.
LSX_SUBMDATE	datetime		Yes		Date of submittal.
LSX_UPTIME	datetime		Yes		The date the record was last updated.
LSX_UPUSER	varchar (500)		Yes		The last user to update the record.
LSX_USER_COMMENTS	varchar (4000)		Yes		
LSX_USER_NUMBER	decimal (14,6)		Yes		
LSX_VALSTATUS	varchar (12)		Yes		Status of record validation.
RSI_RECNO	bigint		No		Value that ties record to parent RSI. Also used as part of the primary key.

Associated Tables

Table Name

LDI

RSI

Table Name: LTD   Lithologic descriptions and classifications of cuttings and cores taken from boreholes and test pits.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
LTD_ASTMCODE	varchar (4)		Yes	AST	(VVL: VVLAST.ASTCODE) ASTM Soil Classification Code. A 2 or 4 character code used in ASTM classification of unconsolidated deposits. Deposits possessing characteristics of two groups are designated
LTD_BEGDEPTH	decimal (9,2)		No		BEGINNING DEPTH: Upper depth of a lithologic stratum, measured below the ground surface in feet (reported as a positive value).
LTD_ENDDEPTH	decimal (9,2)		No		END DEPTH: Lower depth of a lithologic stratum, measured below the ground surface in feet (reported as a positive value).
LTD_HS_UNIT	varchar (25)		Yes		Working name given to the hs unit
LTD_LITHCODE	varchar (4)		Yes	LTH	LITHOLOGY CODE: 4-Character code indicating lithologic description of layer.
LTD_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
LTD_LOGDATE	datetime		Yes		LOG DATE: Starting date that a sample is collected, a field test is performed, or a QC sample is created.
LTD_RECNO	bigint	Yes	No		Unique system generated sequence number.
LTD_ST_UNIT	varchar (20)		Yes		Working name given to the st unit
LTD_SUBMDATE	datetime		Yes		Date of submittal.
LTD_UPTIME	datetime		Yes		The date the record was last updated.
LTD_UPUSER	varchar (500)		Yes		The last user to update the record.
LTD_USER_COMMENTS	varchar (4000)		Yes		User comments pertaining to a ltd record - not for afcee use
LTD_USER_NUMBER	decimal (14,6)		Yes		Numeric value pertaining to a ltd record - not for afcee use
LTD_VALSTATUS	varchar (12)		Yes		Status of record validation.
LTD_VISDESC	varchar (240)		Yes		VISUAL DESCRIPTION: Textural and mineralogical description of the material comprising the layer, to augment or qualify the lithologic codes.

Associated Tables

Table Name

LDI

Table Name: LTX   Cross-reference table between locations and remediation technologies.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
LTX_RECNO	bigint	Yes	No		Unique system generated sequence number.
LTX_SUBMDATE	datetime		Yes		Date of submittal.
LTX_UPTIME	datetime		Yes		The date the record was last updated.
LTX_UPUSER	varchar (500)		Yes		The last user to update the record.
LTX_USER_COMMENTS	varchar (4000)		Yes		
LTX_USER_NUMBER	decimal (14,6)		Yes		
LTX_VALSTATUS	varchar (12)		Yes		Status of record validation.
RTI_RECNO	bigint		No		Column that ties record to parent RTI record. Used as part of the primary key.

Associated Tables

Table Name

LDI

RTI

Table Name: MRI   Description of the physical map of an installation.

Column Name	Data Type	PK?	Nullable	VVL	Description
MRI_BMDESIG	varchar (20)		Yes		Code, label, name, etc. of a benchmark.
MRI_BMEAST	decimal (10,2)		Yes		The x-value of a map benchmark.
MRI_BMELEV	decimal (7,2)		Yes		The ground surface elevation of a map benchmark.
MRI_BMNORTH	decimal (10,2)		Yes		The y-value of a map benchmark.
MRI_LLEAST	int		Yes		The lower left x-value of a general area of interest.
MRI_LLNORTH	int		Yes		The lower left y-value of a general area of interest.
MRI_MAPCODE	varchar (4)		Yes	MAP	Coded value identifying the company responsible for producing a map of a designated area.
MRI_MAPDESC	varchar (240)		Yes		Textual description of the mapped area.
MRI_MAPRID	varchar (8)		No		Unique identifier assigned to each map for an installation.
MRI_MAPSCALE	smallint		Yes		The drawing scale of a map expressed as inches of drawing per feet of terrain.
MRI_MCCCODE	varchar (1)		Yes	MCC	Coded value delineating the extent to which a reference map covers specified features associated with a site, zone, or entire installation.
MRI_MTCCODE	varchar (4)		Yes	MTC	Coded value identifying the type of map.
MRI_RECNO	bigint	Yes	No		Unique system generated sequence number.
MRI_SUBMDATE	datetime		Yes		Date of submittal.
MRI_UPTIME	datetime		Yes		The date the record was last updated.
MRI_UPUSER	varchar (500)		Yes		The last user to update the record.
MRI_UREAST	int		Yes		The upper right x-value of a general area of interest.
MRI_URNORTH	int		Yes		The upper right y-value of a general area of interest.
MRI_USER_COMMENTS	varchar (4000)		Yes		
MRI_USER_NUMBER	decimal (14,6)		Yes		
MRI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: OU

Description of the remedial action activity.

Column Name	Data Type	PK?	Nullable	VVL	Description
OU_OUCODE	varchar (3)		No		A coded value representing the Operable Unit Name. Used as part of the primary key.
OU_OUDESC	varchar (240)		No		Textual description of the Operable Unit.
OU_OUNAME	varchar (35)		Yes		Name of the operable unit.
OU_RECNO	bigint	Yes	No		Unique system generated sequence number.
OU_SUBMDATE	datetime		Yes		Date of submittal.
OU_UPTIME	datetime		Yes		The date the record was last updated.
OU_UPUSER	varchar (500)		Yes		The last user to update the record.
OU_USER_COMMENTS	varchar (4000)		Yes		
OU_USER_NUMBER	decimal (14,6)		Yes		
OU_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: OUC   Type of contaminant being treated by the operable unit.

Column Name	Data Type	PK?	Nullable	VVL	Description
OU_RECNO	bigint		No		Column that ties record to parent OU record. Used as part of the primary key.
OUC_GROUPCODE	varchar (10)		No	ANG	(VVL: ANALYTE_GROUPS) GROUP CODE: A unique code which identifies a group of environmental contaminants, e.g. CHLOR, SOLVENT, PEST).
OUC_MATRIX_TYPE	varchar (1)		No	MTY	(VVL: VVLMTX) SAMPLING MATRIX_TYPE: Coded value identifying the sample medium actually being analyzed, i.e., soil, water, etc.
OUC_RECNO	bigint	Yes	No		Unique system generated sequence number.
OUC_SUBMDATE	datetime		Yes		Date of submittal.
OUC_UPTIME	datetime		Yes		The date the record was last updated.
OUC_UPUSER	varchar (500)		Yes		The last user to update the record.
OUC_USER_COMMENTS	varchar (4000)		Yes		
OUC_USER_NUMBER	decimal (14,6)		Yes		
OUC_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

OU

Table Name:	OWL		Well fluid measurements collected during timed intervals		
Column Name	Data Type	PK?	Nullable	VVL	Description
OWL_DEPWAT	decimal (9,2)		Yes		The depth from the measuring point to the top of the fluid in the well bore. These measurements will include the water level at the beginning of the test (time=0). These measurements are used to calculate drawdown.
OWL_FTCODE	varchar (1)		Yes	FTC	The type of fluid encountered in the well. This would normally be groundwater. If another type of fluid is encountered in the well bore during the test, then it should be noted here and explained in the comments.
OWL_LOGDATE	datetime		No		LOG DATE: Starting date/time that a sample is collected, a field test is performed, or a QC sample is created
OWL_LOGTIME	datetime		No		LOG TIME: Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created
OWL_MEASDATE	datetime		No		Date the fluid level measurement was taken. Generally, the fluid level will be groundwater.
OWL_MEASTIME	datetime		No		Time the fluid level measurement was taken. Generally, the fluid level will be groundwater.
OWL_OBS_LOCATION	varchar (15)		No		Name of a location on an installation.
OWL_RECNO	bigint	Yes	No		Unique system generated sequence number.
OWL_REMARKS	varchar (240)		Yes		COMMENTs concerning the drawdown measurements.
OWL_SUBMDATE	datetime		Yes		Date of submittal.
OWL_UPTIME	datetime		Yes		The date the record was last updated.
OWL_UPUSER	varchar (500)		Yes		The last user to update the record.
OWL_USER_COMMENTS	varchar (4000)		Yes		
OWL_USER_NUMBER	decimal (14,6)		Yes		
OWL_VALSTATUS	varchar (12)		Yes		Status of record validation.
OWL_WTCCODE	varchar (3)		Yes	WTC	(VVL: VVLWTC) WELL TYPE CLASSIFICATION CODE: Coded value identifying the type of well in which the measurements are being taken (e.g., slugged, observation).
TWI_RECNO	bigint		No		Value that ties record to parent

Associated Tables

Table Name

Table Name: OWL   Well fluid measurements collected during timed intervals

Column Name	Data Type	PK?	Nullable	VVL	Description

Associated Tables

Table Name

TWI

Table Name: PERFORMANCE Criteria to evaluate sample control limits

Column Name	Data Type	PK?	Nullable	VVL	Description
FREQUENCY_RECNO	bigint		No		recno of parent frequency
PERFORMANCE_LOWER_ACCURACY	decimal (14,2)		Yes		Accuracy Lower Limit. Lower control limit of percent recovery as measured for a known target analyte spiked into a QC sample.
PERFORMANCE_MDL	decimal (14,6)		Yes		METHOD DETECTION LIMIT: The smallest qauntity of an analyte that can be detected from a prepared sample.
PERFORMANCE_PARLABEL	varchar (12)		No	PAR	(VVL: ANALLST) PARAMETER LABEL CODE: An abbreviated, common acronym representing a parameter/analyte.
PERFORMANCE_RECNO	bigint	Yes	No		Unique system generated sequence number.
PERFORMANCE_REFERENCE	varchar (255)		Yes		'Bibliographic reference to supporting documents for process being completed.
PERFORMANCE_RL	decimal (14,6)		Yes		AFCEE REPORTING LIMIT: The smallest quantity of an analyte that should be reported in accordance with the AFCEE QAPP.
PERFORMANCE_RPD	decimal (14,2)		Yes		AMeasure of variability that adjusts for the magnitude of observations. Used to assess total and analytical precision of duplicate measurements
PERFORMANCE_SUBMDATE	datetime		Yes		Date of submittal.
PERFORMANCE_SURROGATE	bit		Yes		A yes/no flag indicating the analyte is a surrogate.
PERFORMANCE_SURROGATE_NUMBER	int		Yes		An integer value indicating the elution order of the entered surrogates for analyses such as SW8270
PERFORMANCE_UNITS	varchar (10)		Yes	UTM	(VVL: VVLUTM) UNITS OF MEASURE: Units of measure used for the parameter value.
PERFORMANCE_UPPER_ACCURACY	decimal (14,2)		Yes		Accuracy Upper Limit. Upper control limit of percent recovery as measured for a known target analyte spiked into a QC sample.
PERFORMANCE_UPTIME	datetime		Yes		The date the record was last updated.
PERFORMANCE_UPUSER	varchar (500)		Yes		The last user to update the record.
PERFORMANCE_USER_COMMENTS	varchar (4000)		Yes		user comments for record.
PERFORMANCE_USER_NUMBER	decimal (14,6)		Yes		user number for record.
PERFORMANCE_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

Table Name:	PERFORMANCE	Criteria to evaluate sample control limits				
Column Name		Data Type	PK?	Nullable	VVL	Description

Associated Tables

Table Name

FREQUENCY

Table Name: PROJECT — Project information.

Column Name	Data Type	PK?	Nullable	VVL	Description
PROJECT_AFCEE_PM_EMAIL	varchar (50)		Yes		The e-mail address of the AFCEE project manager assigned to the project.
PROJECT_AFCEE_PM_FIRST_NAME	varchar (25)		Yes		The first name of the AFCEE project manager assigned to the project.
PROJECT_AFCEE_PM_LAST_NAME	varchar (25)		Yes		The last name of the AFCEE project manager assigned to the project.
PROJECT_AFIID	varchar (5)		No	AFI	(VVL: AFI) AIR FORCE INSTALLATION IDENTIFICATION: Unique code used to represent an Air Force installation, plant, or base.
PROJECT_CONTRACT_ID	varchar (16)		No		Number identifying the contract. This number must be unique across all Air Force organizations.
PROJECT_DATA_TYPE	varchar (5)		Yes		A coded value indicating whether the data-set is comprised of screening or definitive data.
PROJECT_DO_ID	varchar (4)		No		Number identifying the delivery order.
PROJECT_END_DATE	datetime		Yes		Date project ended
PROJECT_FREQUENCY	varchar (5)		Yes		A coded value describing the frequency of sample collection activities for the current contract and task order.
PROJECT_FSP_REFERENCE	varchar (255)		Yes		A bibliographic reference to the Field Sampling Plan or Field Sampling DQO that pertains to the project.
PROJECT_HARD_COPY_REFERENCE	varchar (255)		Yes		A bibliographic reference to the final report documenting the sampling event and activities conducted under the reported contract and task order.
PROJECT_LOGCODE	varchar (4)		Yes		(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
PROJECT_PHASE	varchar (5)		Yes		A coded value representing the phase of the current sampling event i.e. RI, FS, RA etc.
PROJECT_POC_EMAIL	varchar (50)		Yes		Email address for project point of contact
PROJECT_POC_FIRST_NAME	varchar (25)		Yes		Point of contact for project - first name
PROJECT_POC_LAST_NAME	varchar (25)		Yes		Point of contact for project - last name
PROJECT_PROJECT_ID	varchar (255)		No		Name of the project the contract is for
PROJECT_RECNO	bigint	Yes	No		Unique system generated sequence number.
PROJECT_START_DATE	datetime		Yes		Date project started
PROJECT_TASK_REQUEST	bigint		Yes		A tracking number issued by the AFCEE electronic data loading section that is specific to a single Prime data reporting project.

Table Name: PROJECT   Project information.

Column Name	Data Type	PK?	Nullable	VVL	Description
PROJECT_TYPE	varchar (1)		No	- P for	
PROJECT_UPTIME	datetime		Yes		The date the record was last updated.
PROJECT_UPUSER	varchar (500)		Yes		The user who last updated the record.

Table Name: PROJSAMP

Overview of field sampling to be controled

Column Name	Data Type	PK?	Nullable	VVL	Description
PROJECT_RECNO	bigint		No		recno or project record - FK
PROJSAMP_FLD_TEST_REQUIRED	varchar (1)		Yes		A boolean value indicating whether the reporting of field tests are required when collecting groundwater samples under the contract and task order in focus.
PROJSAMP_GWD_REQUIRED	varchar (1)		Yes		A boolean value indicating whether the reporting of groundwater data measurements taken prior to sampling is required under the contract and task order in focus.
PROJSAMP_LTCCODE	varchar (2)		No	LTC	(VVL: VVLLTC) LOCATION CLASSIFICATION CODE: Coded value describing location where measurements or samples are taken.
PROJSAMP_LTD_REQUIRED	varchar (1)		Yes		A boolean value indicating whether the reporting of lithology (LTD) data is required for bored samples collected under the contract and task order in focus.
PROJSAMP_MATRIX_TYPE	varchar (1)		No	MTY	(VVL: VVLMTY) SAMPLING MATRIX_TYPE: Coded value identifying the sample medium actually being analyzed, i.e., soil, water, etc.
PROJSAMP_NEW_LOCATIONS	varchar (1)		No		A yes/no value that indicates whether the location type entered represents new (y) or existing (n) locations
PROJSAMP_NO_FLD_TEST_JUST	varchar (2000)		Yes		If field tests were not reported for groundwater samples, provide a justification and document reference that explains the absence of this data.
PROJSAMP_NO_GWD_JUST	varchar (2000)		Yes		If GWD was not reported for groundwater samples, provide a justification and document reference that explains the absence of this data.
PROJSAMP_NO_LTD_JUST	varchar (2000)		Yes		If LTD data was not reported, provide a justification and document reference that explains the absence of this data.
PROJSAMP_NUMBER_SAMPLES	decimal (7,0)		Yes		the number of samples that are expected to be collected for the location type and matrix type entered
PROJSAMP_RECNO	bigint	Yes	No		Unique system generated sequence number
PROJSAMP_SUBMDATE	datetime		Yes		Date of submittal.
PROJSAMP_UPTIME	datetime		Yes		The date the record was last updated.
PROJSAMP_UPUSER	varchar (500)		Yes		The last user to update the record.
PROJSAMP_USER_COMMENTS	varchar (4000)		Yes		
PROJSAMP_USER_NUMBER	decimal (14,6)		Yes		

Table Name: PROJSAMP   Overview of field sampling to be controled

Column Name	Data Type	PK?	Nullable	VVL	Description
PROJSAMP_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

PROJECT

Table Name: PUMPINT   Description of the operation of an extraction or injection well over time

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
PUMPINT_BEGDATE	datetime		No		The starting date the pumping was performed.
PUMPINT_BEGDEPTH	decimal (9,2)		No		The upper depth of the interval being tested
PUMPINT_BEGTIME	datetime		No		The starting time the pumping was performed.
PUMPINT_ENDDATE	datetime		No		The ending date the pumping was performed.
PUMPINT_ENDDEPTH	decimal (9,2)		No		The lower depth of the interval that is being tested
PUMPINT_ENDTIME	datetime		No		The ending time the pumping was performed.
PUMPINT_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
PUMPINT_PUMPDEPTH	decimal (9,2)		Yes		The depth of the pump
PUMPINT_PUMPINGRATE	decimal (7,2)		Yes		The rate the well was pumped.
PUMPINT_RECNO	bigint	Yes	No		Unique system generated sequence number.
PUMPINT_REMARKS	varchar (240)		Yes		COMMENTs describing the pumping.
PUMPINT_SUBMDATE	datetime		Yes		Date of submittal.
PUMPINT_UNITS	varchar (10)		Yes	UTM	The units the discharge was measured in (e.g., gal/min).
PUMPINT_UPTIME	datetime		Yes		The date the record was last updated.
PUMPINT_UPUSER	varchar (500)		Yes		The last user to update the record.
PUMPINT_USER_COMMENTS	varchar (4000)		Yes		
PUMPINT_USER_NUMBER	decimal (14,6)		Yes		
PUMPINT_VALSTATUS	varchar (12)		Yes		Status of record validation.
PUMPINT_WTCCODE	varchar (3)		Yes	WTC	(VVL: VVLWTC) WELL TYPE CLASSIFICATION CODE: Coded value identifying the type of well in which the measurements are being taken (e.g., slugged, observation).

Associated Tables

Table Name

LDI

Table Name: PUMPRATE   Measurements of the change in pump rate over time.

Column Name	Data Type	PK?	Nullable	VVL	Description
ATI_RECNO	bigint		No		Key value that ties record to parent ati table
PUMPRATE_ENDDATE	datetime		No		The ending date the pump rate was measured.
PUMPRATE_ENDTIME	datetime		No		The ending time the pump rate was measured.
PUMPRATE_PUMPINGRATE	decimal (7,2)		Yes		The measured rate of the pump.
PUMPRATE_RECNO	bigint	Yes	No		Unique system generated sequence number.
PUMPRATE_REMARKS	varchar (240)		Yes		Comments describing the pump rate.
PUMPRATE_STARTDATE	datetime		No		The initial date the pump rate was measured.
PUMPRATE_STARTTIME	datetime		No		The initial time the pump rate was measured.
PUMPRATE_SUBMDATE	datetime		Yes		Date of submittal.
PUMPRATE_UNITS	varchar (10)		Yes	UTM	The units used to measure the pump rate.
PUMPRATE_UPTIME	datetime		Yes		The date the record was last updated.
PUMPRATE_UPUSER	varchar (500)		Yes		The last user to update the record.
PUMPRATE_USER_COMMENTS	varchar (4000)		Yes		
PUMPRATE_USER_NUMBER	decimal (14,6)		Yes		
PUMPRATE_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

ATI

Table Name: RESULT   Information on analytical results of an environmental sampling test procedure

Column Name	Data Type	PK?	Nullable	VVL	Description
RESULT_BEST_RESULT	varchar (1)		Yes		The single result value that has been determined to be the best result - ie the value reported in the prime contractors final report for the sampling event in focus
RESULT_CNFVALPREC	smallint		Yes		Number indicating the precision (number of digits after the decimal point) of the results.
RESULT_DILUTION	decimal (16,6)		Yes		Numeric expression of the amount of dilution required to bring the analyte concentration in the sample into analysis range.
RESULT_EVPREC	smallint		Yes		Number indicating the precision (number of digits after the decimal point) of the results.
RESULT_EXPECTED	decimal (16,6)		Yes		The target result for a quality control sample or surrogate spike.
RESULT_FCVALPREC	smallint		Yes		Number indicating the precision (number of digits after the decimal point) of the results.
RESULT_LAB_DQT	varchar (5)		Yes	LQT	A coded value indicating the specific QAPP or DQO document from which the entered performance criteria data originates
RESULT_LAB_QC_FLAG	varchar (6)		Yes	QAP	Coded values entered by the laboratory to indicate the existence of a specific quality control exception or condition
RESULT_LOWER_ACCURACY	decimal (14,2)		Yes		Accuracy Lower Limit. Lower control limit of percent recovery as measured for a known target analyte spiked into a QC sample.
RESULT_MDL	decimal (16,6)		Yes		METHOD DETECTION LIMIT: The smallest qauntity of an analyte that can be detected from a prepared sample.
RESULT_PARLABEL	varchar (12)		No	PAR	(VVL: ANALLST) PARAMETER LABEL CODE: An abbreviated, common acronym representing a parameter/analyte.
RESULT_PARUN	decimal (12,4)		Yes		A value which measures the uncertainty of the analytical test (expressed as + or - some value).
RESULT_PARVAL	decimal (16,6)		Yes		PARAMETER VALUE: value of calculated parameter reported in units consistent with UNITMEAS.
RESULT_PARVQ	varchar (2)		Yes	PVQ	(VVL: VVLPVQ) PARAMETER VALUE QUALIFIER: Coded value qualifying the analytical results field (PARVAL).
RESULT_PERCENT_RECOVERY	decimal (14,2)		Yes		The calculated percent recovery value for the spiked or surrogate analyte
RESULT_PRCCODE	varchar (3)		Yes	PRC	(VVL: VVLPRC) PARAMETER CLASS CODE: Coded value identifying a class or group that a parameter is associated with (e.g. ORG, MET, STD, etc.)

Table Name: RESULT

Information on analytical results of an environmental sampling test procedure

Column Name	Data Type	PK?	Nullable	VVL	Description
RESULT_PRECISION	smallint		Yes		Number indicating the precision (number of digits after the decimal point) of the results.
RESULT_PRIME_DQT	varchar (5)		Yes	PQT	A code identifying the type of data qualifier.
RESULT_PRIME_FLAG	varchar (6)		Yes		Codes that are assigned during chemistry data validation.
RESULT_REASON_CODE	varchar (30)		Yes	RRC	Coded value that indicates why a lab or contractor flag was issued to a data point
RESULT_RECNO	bigint	Yes	No		Unique system generated sequence number.
RESULT_RL	decimal (16,6)		Yes		AFCEE REPORTING LIMIT: The smallest quantity of an analyte that should be reported in accordance with the AFCEE QAPP.
RESULT_RPD	decimal (14,2)		Yes		Measure of variability that adjusts for the magnitude of observations. Used to assess total and analytical on of duplicate measurements.
RESULT_SPIKE_ADDED	decimal (16,6)		Yes		Final concentration of an analyte spiked into a sample
RESULT_SPIKE_ADDED_PREC	smallint		Yes		
RESULT_SUBMDATE	datetime		Yes		Date of submittal.
RESULT_UNITS	varchar (10)		Yes	UTM	(VVL: VVLUTM) UNITS OF MEASURE: Units of measure used for the parameter value.
RESULT_UPPER_ACCURACY	decimal (14,2)		Yes		Accuracy Upper Limit. Upper control limit of percent recovery as measured for a known target analyte spiked into a QC sample.
RESULT_UPPER_RPD	decimal (14,2)		Yes		The upper performance limit for relative percent difference
RESULT_UPTIME	datetime		Yes		The date the record was last updated.
RESULT_UPUSER	varchar (500)		Yes		The last user to update the record.
RESULT_USER_COMMENTS	varchar (4000)		Yes		
RESULT_USER_NUMBER	decimal (14,6)		Yes		
RESULT_VAL_1C	decimal (16,6)		Yes		Field which represents the primary or initial value for a analyte generated from a Gas Chromatography or Gas Chromatography / Mass Spectroscopy results.
RESULT_VAL_CONFIRM	decimal (16,6)		Yes		VAL_CONFIRM: The CONFIRMING VALUE of a chromatographic analytical result that requires second column confirmation.
RESULT_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: RESULT

Information on analytical results of an environmental sampling test procedure

Column Name	Data Type	PK?	Nullable	VVL	Description
RESULT_VQ_1C	varchar (2)		Yes	PVQ	A coded value qualifying the RESULTS.VAL_1C field.
RESULT_VQ_CONFIRM	varchar (2)		Yes	PVQ	Code value qualifying the confirming analytical result.
TEST_RECNO	bigint		No		Value that ties record to the test table

Associated Tables

Table Name

TEST

Table Name: ROX

Cross-reference table between operable units and remediation trains.

Column Name	Data Type	PK?	Nullable	VVL	Description
OU_RECNO	bigint		No		Column that ties record to parent OU record. Used as part of the primary key.
ROX_RECNO	bigint	Yes	No		Unique system generated sequence number.
ROX_SUBMDATE	datetime		Yes		Date of submittal.
ROX_UPTIME	datetime		Yes		The date the record was last updated.
ROX_UPUSER	varchar (500)		Yes		The last user to update the record.
ROX_USER_COMMENTS	varchar (4000)		Yes		
ROX_USER_NUMBER	decimal (14,6)		Yes		
ROX_VALSTATUS	varchar (12)		Yes		Status of record validation.
RSI_RECNO	bigint		No		Column that ties record to parent RSI record. Used as part of the primary key.

Associated Tables

Table Name

OU

RSI

Table Name: RSI

Series of remediation technologies that work in concert .

Column Name	Data Type	PK?	Nullable	VVL	Description
RSI_RECNO	bigint	Yes	No		Unique system generated sequence number.
RSI_RSDESC	varchar (240)		Yes		Textual description of the Remediation Train.
RSI_RSID	varchar (10)		No		User defined name for the Remediation System. Used as part of the primary key.
RSI_RSNAME	varchar (35)		Yes		Name of the remediation system.
RSI_RSSTAGE	varchar (3)		No	RSS	Type of remediation system (e.g., treatability study, pilot study, field demo, full-scale remediation).
RSI_SUBMDATE	datetime		Yes		Date of submittal.
RSI_UPTIME	datetime		Yes		The date the record was last updated.
RSI_UPUSER	varchar (500)		Yes		The last user to update the record.
RSI_USER_COMMENTS	varchar (4000)		Yes		
RSI_USER_NUMBER	decimal (14,6)		Yes		
RSI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: RSP   Information about the effectiveness of the remediation system.

Column Name	Data Type	PK?	Nullable	VVL	Description
RSI_RECNO	bigint		No		Column that ties record to parent RSI record. Used as part of the primary key.
RSP_BEGDATE	datetime		No		Beginning date of the remediation.
RSP_ENDDATE	datetime		No		Ending date of the remediation.
RSP_PARAMETER	varchar (5)		No	PRF	Performance parameter (e.g. Destroyed mass, extracted mass, concentration, collection frequency)
RSP_PARUN	decimal (12,4)		Yes		A value which measures the uncertainty of the measurement (expressed as + or - some value).
RSP_PARVAL	decimal (16,6)		Yes		PARAMETER VALUE: value of calculated parameter reported in units consistent with UNITMEAS.
RSP_RECNO	bigint	Yes	No		Unique system generated sequence number.
RSP_REMARKS	varchar (240)		Yes		Textual description of parameter and result.
RSP_SUBMDATE	datetime		Yes		Date of submittal.
RSP_UNITS	varchar (10)		Yes	UTM	(VVL: VVLUTM) UNITS OF MEASURE: Units of measure associated with a record.
RSP_UPTIME	datetime		Yes		The date the record was last updated.
RSP_UPUSER	varchar (500)		Yes		The last user to update the record.
RSP_USER_COMMENTS	varchar (4000)		Yes		
RSP_USER_NUMBER	decimal (14,6)		Yes		
RSP_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

RSI

Table Name: RSX   Cross-reference table between remediation trains and sites.

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_RECNO	bigint		No		Column that ties record to parent GSI record
RSI_RECNO	bigint		No		Column that ties record to parent RSI. Used as part of the primary key.
RSX_RECNO	bigint	Yes	No		Unique system generated sequence number.
RSX_SUBMDATE	datetime		Yes		Date of submittal.
RSX_UPTIME	datetime		Yes		The date the record was last updated.
RSX_UPUSER	varchar (500)		Yes		The last user to update the record.
RSX_USER_COMMENTS	varchar (4000)		Yes		
RSX_USER_NUMBER	decimal (14,6)		Yes		
RSX_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

GSI

RSI

Table Name: RTI   Description of a discrete remediation activity.

Column Name	Data Type	PK?	Nullable	VVL	Description
RSI_RECNO	bigint		No		Value that ties record to parent RSI. Used as part of the primary key.
RTI_ESTDATE	datetime		Yes		Date the construction of the remediation technology was complete
RTI_GROUPCODE	varchar (10)		Yes	ANG	(VVL: ANALYTE_GROUPS) GROUP CODE: A unique code which identifies a group of environmental contaminants, e.g. CHLOR, SOLVENT, PEST).
RTI_MEDIA	varchar (2)		Yes	MED	Coded value identifying the sample medium actually being treated, i.e., soil, water, etc.
RTI_RECNO	bigint	Yes	No		Unique system generated sequence number.
RTI_RTCLASS	varchar (1)		Yes	RTC	A coded value representing the Remediation Technology Class (in-situ, ex-situ or mixed).
RTI_RTDESC	varchar (240)		Yes		Textual description of the remedial unit.
RTI_RTID	varchar (15)		No		User defined name for the Remediation Technology. Used as part of the primary key.
RTI_RTNAME	varchar (35)		Yes		Name of the remedial Technology.
RTI_RTTYPE	varchar (5)		No	RTT	Type of remediation technology (e.g., slurry wall, in situ vitrification, bio-reactor).
RTI_STARTDATE	datetime		Yes		Date the remediation technology started operating
RTI_SUBMDATE	datetime		Yes		Date of submittal.
RTI_UPTIME	datetime		Yes		The date the record was last updated.
RTI_UPUSER	varchar (500)		Yes		The last user to update the record.
RTI_USER_COMMENTS	varchar (4000)		Yes		
RTI_USER_NUMBER	decimal (14,6)		Yes		
RTI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

RSI

Table Name: RTP

Information about the effectiveness of the remediation technology.

Column Name	Data Type	PK?	Nullable	VVL	Description
RTI_RECNO	bigint		No		Column that ties record to parent RTI record. Used as part of the primary key.
RTP_BEGDATE	datetime		No		Beginning date of the remediation..
RTP_ENDDATE	datetime		No		ending date of the remediation..
RTP_PARAMETER	varchar (5)		No	PRF	Performance parameter (e.g. Destroyed mass, extracted mass, concentration, collection frequency)
RTP_PARUN	decimal (12,4)		Yes		A value which measures the uncertainty of the measurement (expressed as + or - some value).
RTP_PARVAL	decimal (16,6)		Yes		PARAMETER VALUE: value of calculated parameter reported in units consistent with UNITMEAS
RTP_RECNO	bigint	Yes	No		Unique system generated sequence number.
RTP_REMARKS	varchar (240)		Yes		Textual description of parameter and result.
RTP_SUBMDATE	datetime		Yes		Date of submittal.
RTP_UNITS	varchar (10)		Yes	UTM	(VVL: VVLUTM) UNITS OF MEASURE: Units of measure associated with a record.
RTP_UPTIME	datetime		Yes		The date the record was last updated.
RTP_UPUSER	varchar (500)		Yes		The last user to update the record.
RTP_USER_COMMENTS	varchar (4000)		Yes		
RTP_USER_NUMBER	decimal (14,6)		Yes		
RTP_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

RTI

Table Name: SAMPLE

Reports information regarding a water, soil, or environmental sampling event

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Column that ties record to parent LDI record.
SAMPLE_ABLOT	varchar (8)		Yes		Ambient Blank Field Lot Identifier
SAMPLE_COCID	varchar (12)		Yes		Unique identification reference to the chain of custody describing the transport of the sample to the laboratory.
SAMPLE_COOLER	varchar (2)		Yes		The unique number assigned to the cooler transporting the sample.
SAMPLE_EBLOT	varchar (8)		Yes		Equipment blank field lot identifier.
SAMPLE_FLDSAMPID	varchar (30)		Yes		Unique number assigned to the sample in the field.
SAMPLE_LABSAMPID	varchar (20)		Yes		LABORATORY SAMPLE IDENTIFICATION NUMBER: Identifier assigned to a sample by a laboratory and included in the reporting of the results.
SAMPLE_LOGCODE	varchar (4)		Yes	LOG	(VVL: VVLLOG) LOGGING COMPANY CODE: Coded value identifying the company performing field tests.
SAMPLE_LOGDATE	datetime		No		The date/time the sample was taken.
SAMPLE_LOGTIME	datetime		No		Time of day (24 hour clock format with no colon - HHMM) that a sample is collected, a field measurement is made, or a QC sample is created.
SAMPLE_MATRIX	varchar (2)		No	MTX	Coded value identifying the specific sample medium actually being analyzed, (e.g., drill cuttings, waste water, etc.).
SAMPLE_RECNO	bigint	Yes	No		Unique system generated sequence number.
SAMPLE_REMARKS	varchar (240)		Yes		Comment about the sample
SAMPLE_SACODE	varchar (2)		No	SA	A coded value identifying whether the sample is QC or normal and the type is QC.
SAMPLE_SAMPNO	smallint		No		This is the numeric portion of the Sample Type.
SAMPLE_SBD	decimal (7,2)		No		SAMPLE BEGINNING DEPTH: The upper depth in feet from the ground surface or the water surface at which a sample is collected.
SAMPLE_SDG	varchar (20)		Yes		The laboratory sample delivery group value.
SAMPLE_SED	decimal (7,2)		No		SAMPLE ENDING DEPTH: Lower depth in feet at which a soil sample is collected for analysis, relative to the ground surface.
SAMPLE_SMCODE	varchar (2)		Yes	SM	Coded value identifying the sampling method used to collect a sample.
SAMPLE_SUBMDATE	datetime		Yes		Date of submittal.
SAMPLE_TBLOT	varchar (8)		Yes		Test Blank Field Lot Identifier

Table Name: SAMPLE

Reports information regarding a water, soil, or environmental sampling event

Column Name	Data Type	PK?	Nullable	VVL	Description
SAMPLE_UPTIME	datetime		Yes		The date the record was last updated.
SAMPLE_UPUSER	varchar (500)		Yes		The last user to update the record.
SAMPLE_USER_COMMENTS	varchar (4000)		Yes		
SAMPLE_USER_NUMBER	decimal (14,6)		Yes		
SAMPLE_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

LDI

Table Name: SCC   Description of the type of contamination at a site.

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_RECNO	bigint		No		Column that ties record to parent GSI record.
SCC_GROUPCODE	varchar (10)		No	ANG	(VVL: ANALYTE_GROUPS) GROUP CODE: A unique code which identifies a group of environmental contaminants, e.g. CHLOR, SOLVENT, PEST)
SCC_RECNO	bigint	Yes	No		Unique system generated sequence number.
SCC_SUBMDATE	datetime		Yes		Date of submittal.
SCC_UPTIME	datetime		Yes		The date the record was last updated.
SCC_UPUSER	varchar (500)		Yes		The last user to update the record.
SCC_USER_COMMENTS	varchar (4000)		Yes		
SCC_USER_NUMBER	decimal (14,6)		Yes		
SCC_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

GSI

Table Name: SLX   Information about a site and location that has been selected for ERP study

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_RECNO	bigint		No		Value that ties record to parent GSI record.
LDI_RECNO	bigint		No		Value that ties record to parent LDI
SLX_AFCEE_EDIT	varchar (1)		No		
SLX_GFCCODE	varchar (1)		Yes	GFC	(VVL: VVLGFC) GEOHYDROLOGIC FLOW CLASSIFICATION: The GFCCODE is a single character that describes the hydrologic relationship between a location and a site.
SLX_RECNO	bigint	Yes	No		Unique system generated sequence number.
SLX_SPCODE	varchar (1)		Yes	SPR	A coded value indicating whether the location is in the site, outside the site or background.
SLX_SUBMDATE	datetime		Yes		Date of submittal.
SLX_UPTIME	datetime		Yes		The date the record was last updated.
SLX_UPUSER	varchar (500)		Yes		The last user to update the record.
SLX_USER_COMMENTS	varchar (4000)		Yes		
SLX_USER_NUMBER	decimal (14,6)		Yes		
SLX_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

LDI

GSI

Table Name: SOX   Cross-reference table between operable units and sites.

Column Name	Data Type	PK?	Nullable	VVL	Description
GSI_RECNO	bigint		No		Column that ties record to parent GSI record
OU_RECNO	bigint		No		Column that ties record to parent OU record. Used as part of the primary key.
SOX_RECNO	bigint	Yes	No		Unique system generated sequence number.
SOX_SUBMDATE	datetime		Yes		Date of submittal.
SOX_UPTIME	datetime		Yes		The date the record was last updated.
SOX_UPUSER	varchar (500)		Yes		The last user to update the record.
SOX_USER_COMMENTS	varchar (4000)		Yes		
SOX_USER_NUMBER	decimal (14,6)		Yes		
SOX_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

OU

GSI

Table Name: STU   Description of the units in the interpreted stratigraphic column for an installation

Column Name	Data Type	PK?	Nullable	VVL	Description
STU_BEDNAME	varchar (20)		Yes		Name of the geological bed of which the unit is a part.
STU_FORMATION	varchar (20)		Yes		Name of the geological formation of which the unit is a part.
STU_GRPNAME	varchar (20)		Yes		Name of the geological group of which the unit is a part.
STU_MBRNAME	varchar (20)		Yes		Name of the geological member of which the unit is a part.
STU_RECNO	bigint	Yes	No		Unique system generated sequence number.
STU_ST_UNIT	varchar (20)		No		Descriptive name given to the unit
STU_STRATORDER	smallint		Yes		Number assigned to the unit by the interpreting geologist; unit 1 is the oldest; the number decreases with age.
STU_SUBMDATE	datetime		Yes		Date of submittal.
STU_SUDESC	varchar (240)		Yes		Textual description of the
STU_UPTIME	datetime		Yes		The date the record was last updated.
STU_UPUSER	varchar (500)		Yes		The last user to update the record.
STU_USER_COMMENTS	varchar (4000)		Yes		
STU_USER_NUMBER	decimal (14,6)		Yes		
STU_VALSTATUS	varchar (12)		Yes		Status of record validation.

Table Name: TEST

Information on test preparation and procedures for an environmental sample

Column Name	Data Type	PK?	Nullable	VVL	Description
SAMPLE_RECNO	bigint		No		Key value which ties records to the sample table
TEST_ANADATE	datetime		Yes		Date the sample or extraction is analyzed in the laboratory.
TEST_ANALOT	varchar (10)		Yes		The batch designator of an autonomous group of environmental samples and associated QC samples analyzed together.
TEST_ANATIME	datetime		Yes		Time the sample or extraction is analyzed in the laboratory.
TEST_ANMCODE	varchar (7)		No	ANM	(VVL: METHLST) ANALYTICAL METHOD CODE: Coded value representing the method of analysis of a given parameter.
TEST_BASIS	varchar (1)		Yes	BAS	VVL: VVLBAS) Basis. For tissue or solid samples enter whether results are reported on a wet (W) or dry (D) basis.
TEST_CALREFID	varchar (10)		Yes		A coded value which establishes a reference link between environmental and QC samples and their corresponding calibration records.
TEST_EXMCODE	varchar (7)		No	EXM	(VVL: EXTLST) EXTRACTION METHOD CODE: Coded value representing the method used to extract or prepare a sample
TEST_EXTDATE	datetime		Yes		Preparation Date is a more general identifier to indicate extractions or other preparation methods. For compatibility with DESCIM.
TEST_EXTTIME	datetime		Yes		Preparation Time is a more general identifier to indicate extractions or other preparation methods. For compatibility with DESCIM.
TEST_LABCODE	varchar (4)		No	LAB	(VVL: VVLLAB) Analytical Laboratory Code. Coded value identifying the analytical laboratory that performed the analysis of a sample.
TEST_LABLOTCTL	varchar (10)		Yes		Preparation Lot is a more general identifier to indicate extractions or other preparation methods. For compatibility with DESCIM.
TEST_LABSAMPID	varchar (20)		Yes		Laboratory Sample Identification.
TEST_LCHDATE	datetime		Yes		Date the sample was leachated.
TEST_LCHLOT	varchar (10)		Yes		The batch designator of an autonomous group of environmental samples and associated QC samples leached together.
TEST_LCHMETH	varchar (7)		No	LCH	Coded value identifying the leachate method.
TEST_LCHTIME	datetime		Yes		Time the sample was leachated.
TEST_RECNO	bigint	Yes	No		Unique system generated sequence number.
TEST_RTTYPE	varchar (5)		Yes	RTT	Type of remediation technology (e.g., slurry wall, in situ vitrification, bio-reactor).

Table Name: TEST   Information on test preparation and procedures for an environmental sample

Column Name	Data Type	PK?	Nullable	VVL	Description
TEST_RUN_NUMBER	smallint		No		This information is stored in the Test Procedure class and is replaced by the use of Test Sequence.
TEST_SUBMDATE	datetime		Yes		Date of submittal.
TEST_UPTIME	datetime		Yes		The date the record was last updated.
TEST_UPUSER	varchar (500)		Yes		The last user to update the record.
TEST_USER_COMMENTS	varchar (4000)		Yes		
TEST_USER_NUMBER	decimal (14,6)		Yes		
TEST_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

SAMPLE

Table Name: TOW

Information on observation wells sampled during a tracer test

Column Name	Data Type	PK?	Nullable	VVL	Description
TOW_MEASDATE	datetime		No		Date that the observation well was measured.
TOW_MEASTIME	datetime		No		Time that the observation well was measured.
TOW_OBS_LOCATION	varchar (15)		No		Location name for the observation well
TOW_RECNO	bigint	Yes	No		Unique system generated sequence number.
TOW_SUBMDATE	datetime		Yes		Date of submittal.
TOW_TRC_CONC	decimal (7,2)		Yes		The value of the concentration of the tracer that was injected into the well
TOW_TRCUNITS	varchar (10)		Yes	UTM	The units of measurement for the tracer concentration value
TOW_UPTIME	datetime		Yes		The date the record was last updated.
TOW_UPUSER	varchar (500)		Yes		The last user to update the record.
TOW_USER_COMMENTS	varchar (4000)		Yes		
TOW_USER_NUMBER	decimal (14,6)		Yes		
TOW_VALSTATUS	varchar (12)		Yes		Status of record validation.
TRI_RECNO	bigint		No		Column that ties record to parent TRI record

Associated Tables

Table Name

TRI

Table Name: TRI   Description of the tracer fluids injected into a well during well tests

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
TRI_ENDTIME	datetime		No		The time that the tracer injection was completed
TRI_RECNO	bigint	Yes	No		Unique system generated sequence number.
TRI_REMARKS	varchar (240)		Yes		Textual annotation that aids the understanding of the tracer test.
TRI_STARTDATE	datetime		No		Date that the tracer test was conducted.
TRI_STARTTIME	datetime		No		The time that the tracer injection was started
TRI_SUBMDATE	datetime		Yes		Date of submittal.
TRI_TRC_CONC	decimal (7,2)		Yes		The value of the concentration of the tracer that was injected into the well
TRI_TRCTYPE	varchar (5)		Yes	TRT	The type of tracer that was used for the tracer test
TRI_TRCUNITS	varchar (10)		Yes	UTM	The units of measurement for the tracer concentration value
TRI_TRCVOL	decimal (7,2)		Yes		The volume of the tracer that was used for the tracer test
TRI_TRCVOLUNITS	varchar (10)		Yes	UTM	The units of measurement for the tracer volume value
TRI_UPTIME	datetime		Yes		The date the record was last updated.
TRI_UPUSER	varchar (500)		Yes		The last user to update the record.
TRI_USER_COMMENTS	varchar (4000)		Yes		
TRI_USER_NUMBER	decimal (14,6)		Yes		
TRI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

LDI

Table Name: TWI   Specific data for pump test wells.

Column Name	Data Type	PK?	Nullable	VVL	Description
ATI_RECNO	bigint		No		Value that ties record to parent
TWI_BIDEPTH	decimal (9,2)		Yes		The lower depth of the interval that is being tested
TWI_DEPWAT	decimal (9,2)		Yes		Depth to fluid in feet measured from the measuring point.
TWI_FTCODE	varchar (1)		Yes	FTC	Coded value indicating whether the liquid level in the well is groundwater or some immissible non aqueous liquid.
TWI_RECNO	bigint	Yes	No		Unique system generated sequence number.
TWI_REMARKS	varchar (240)		Yes		A textual description to aid in the understanding of the well test
TWI_SUBMDATE	datetime		Yes		Date of submittal.
TWI_TIDEPTH	decimal (9,2)		Yes		The upper depth of the interval being tested
TWI_UPTIME	datetime		Yes		The date the record was last updated.
TWI_UPUSER	varchar (500)		Yes		The last user to update the record.
TWI_USER_COMMENTS	varchar (4000)		Yes		
TWI_USER_NUMBER	decimal (14,6)		Yes		
TWI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

ATI

Table Name: WCI   Contains well placement and completion information.

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Value that ties record to parent LDI
WCI_AFCEE_EDIT	varchar (1)		No		
WCI_GZCCODE	varchar (1)		Yes	GZC	(VVL: VVLGZC) Geologic Completion Zone. General hydrologic description of well completion zone
WCI_INSDATE	datetime		Yes		INSTALLATION DATE: Date that a well casing is installed
WCI_MPELEV	decimal (7,2)		Yes		MEASURING POINT ELEVATION: Elevation of the measurement reference point used for ground water depth level measurements, expressed in feet above Mean Sea Level.
WCI_MPFLAG	smallint		Yes		Flag that indicates whether or not more current measurements for the Measuring Point Elevation are
WCI_RECNO	bigint	Yes	No		Unique system generated sequence number.
WCI_REMARKS	varchar (240)		Yes		Textual description to provide any additional information necessary to understand the characteristics of the well casing interval.
WCI_SAQCODE	varchar (4)		Yes	SAQ	SOLE SOURCE AQUIFER CODE: Coded value identifying the sole source aquifer in which the well was completed.
WCI_SUBMDATE	datetime		Yes		Date of submittal.
WCI_TOTDEPTH	decimal (6,2)		Yes		TOTAL CASING DEPTH: Total depth in feet (positive value) below land surface of well casing including screen , blank casing, and well foot.
WCI_UPTIME	datetime		Yes		The date the record was last updated.
WCI_UPUSER	varchar (500)		Yes		The last user to update the record.
WCI_USER_COMMENTS	varchar (4000)		Yes		
WCI_USER_NUMBER	decimal (14,6)		Yes		
WCI_VALSTATUS	varchar (12)		Yes		Status of record validation.
WCI_WCMCODE	varchar (2)		Yes	WCM	(VVL: VVLWCM) WELL COMPLETION METHOD CODE: Coded value identifying the method used to complete the well or the nature of the openings that allow water to enter the well.
WCI_WDPROC	varchar (5)		Yes	WDP	Indicates the type of well development procedures used.
WCI_WELCODE	varchar (4)		Yes	WEL	(VVL: VVLWEL) WELL OWNER CODE: Coded value identifying the owner of a well that is monitored or tested

Table Name: WCI   Contains well placement and completion information.

Column Name	Data Type	PK?	Nullable	VVL	Description
WCI_WTCCODE	varchar (3)		Yes	WTC	(VVL: VVLWTC) WELL TYPE CLASSIFICATION CODE: Coded value identifying the type of well in which the measurements are being taken (e.g., slugged, observation).

Associated Tables

Table Name

LDI

Table Name: WINT   Description of each well interval.

Column Name	Data Type	PK?	Nullable	VVL	Description
WCI_RECNO	bigint		No		Value that ties record to parent
WINT_AFCEE_EDIT	varchar (1)		No		
WINT_CLASS	varchar (5)		No	CLA	Classification of the casing interval. May be seal, screen, well foot, blank, or filter pack.
WINT_IBDEPTH	decimal (9,2)		No		Depth in feet to the top of the described interval.
WINT_IEDEPTH	decimal (9,2)		No		Depth in feet to the bottom of the described interval.
WINT_MATERIAL	varchar (3)		Yes	MAT	The material being used for well casing or construction includes grout, filter pack, screen, well seal, etc.
WINT_PCTOPEN	decimal (5,2)		Yes		PERCENT OPEN AREA: Percent of screened interval that is open for water flow.
WINT_RECNO	bigint	Yes	No		Unique system generated sequence number.
WINT_REMARKS	varchar (240)		Yes		Textual description to provide any additional information necessary to understand the characteristics of the well casing interval.
WINT_SCRNO	smallint		No		Segment of a screened interval.
WINT_SDIAM	decimal (5,2)		Yes		The inside diameter of the well casing being described. For screen intervals, it is the inside diameter of the screen.
WINT_SOUA	decimal (5,3)		Yes		SCREEN SLOT SIZE: Vertical size of slot opening in inches.
WINT_SUBMDATE	datetime		Yes		Date of submittal.
WINT_UPTIME	datetime		Yes		The date the record was last updated.
WINT_UPUSER	varchar (500)		Yes		The last user to update the record.
WINT_USER_COMMENTS	varchar (4000)		Yes		
WINT_USER_NUMBER	decimal (14,6)		Yes		
WINT_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

WCI

Table Name: WMI   Historical log of maintenance activities at each well.

Column Name	Data Type	PK?	Nullable	VVL	Description
WCI_RECNO	bigint		No		Value that ties record to parent
WMI_AFCEE_EDIT	varchar (1)		No		
WMI_ELEV	decimal (7,2)		Yes		SURFACE ELEVATION: Elevation of ground surface (for groundwater, soil, or sediment sampling) or water surface (for surface water sampling) at a sampling or measuring location.
WMI_LOGDATE	datetime		No		LOG DATE: Starting date that a sample is collected, a field test is performed, or a QC Sample is created.
WMI_MPELEV	decimal (7,2)		Yes		MEASURING POINT ELEVATION: Elevation of the measurement reference point used for ground water depth level measurements, expressed in feet above Mean Sea Level.
WMI_MTYPE	varchar (5)		No	WMT	The type of maintenance performed on the well.
WMI_RECNO	bigint	Yes	No		Unique system generated sequence number.
WMI_REMARKS	varchar (240)		Yes		Textual description of the well maintenance.
WMI_SUBMDATE	datetime		Yes		Date of submittal.
WMI_UPTIME	datetime		Yes		The date the record was last updated.
WMI_UPUSER	varchar (500)		Yes		The last user to update the record.
WMI_USER_COMMENTS	varchar (4000)		Yes		
WMI_USER_NUMBER	decimal (14,6)		Yes		
WMI_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

WCI

Table Name: ZDI

User defined groupings of sampling locations.

Column Name	Data Type	PK?	Nullable	VVL	Description
ZDI_RECNO	bigint	Yes	No		Unique system generated sequence number.
ZDI_SUBMDATE	datetime		Yes		Date of submittal.
ZDI_UPTIME	datetime		Yes		The date the record was last updated.
ZDI_UPUSER	varchar (500)		Yes		The last user to update the record.
ZDI_USER_COMMENTS	varchar (4000)		Yes		
ZDI_USER_NUMBER	decimal (14,6)		Yes		
ZDI_VALSTATUS	varchar (12)		Yes		Status of record validation.
ZDI_ZNAME	varchar (35)		Yes		Name of the zone.
ZDI_ZONEDESC	varchar (240)		Yes		Textual description of the zone and its purpose.
ZDI_ZONEID	varchar (10)		No		(VVL: ZDI) Unique identifier for a group of individual locations maintained for collective study and evaluation.

Table Name: ZLX   Cross-reference table between sampling locations and zones

Column Name	Data Type	PK?	Nullable	VVL	Description
LDI_RECNO	bigint		No		Column that ties record to parent LDI. Part of primary key
ZDI_RECNO	bigint		No		Column that ties record to parent ZDI record. Part of primary key
ZLX_RECNO	bigint	Yes	No		Unique system generated sequence number.
ZLX_SUBMDATE	datetime		Yes		Date of submittal.
ZLX_UPTIME	datetime		Yes		The date the record was last updated.
ZLX_UPUSER	varchar (500)		Yes		The last user to update the record.
ZLX_USER_COMMENTS	varchar (4000)		Yes		
ZLX_USER_NUMBER	decimal (14,6)		Yes		
ZLX_VALSTATUS	varchar (12)		Yes		Status of record validation.

Associated Tables

Table Name

LDI

ZDI