

## Appendix 1 - NEWUDS Data Dictionary

The Data Dictionary is a listing of table and field properties for the NEWUDS database in MS Access. Information about each table is shown in a heading area at the top of the table:

Table Name is self explanatory.

# Fields is the number of fields in the table.

# Records is the current number of records at the time the dictionary was generated.

Below the heading area, a numbered listing of each field in the table is accompanied by descriptive information:

Field Name is self explanatory.

PK is checked if the field is part of the primary key for the table.

FK is checked if the field is a foreign key pointing to data in a 'parent' table.

Rqd is checked if the field is required to have a value for each record in the table, if unchecked field is optional.

Type is the data type of the field.

Size is the size of the field (maximum number of characters for text fields; for other data types it represents the number of bytes used for storage).

Default is the default value for the field (usually refers to a foreign key value that represents a selection from a domain table).

Description is a description of the field.



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Table Name	# Fields	# Records
<b>tadConveyanceDetail</b>	<b>4</b>	<b>0</b>

Table Description: **Detail information about a Conveyance**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Conveyance_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance
2	ConveyanceDetailLabel_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance Detail Label
3	ConveyanceDetail	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Conveyance Detail information (numeric or textual 'value') corresponding to the ConveyanceDetailLabel descriptor
4	ConveyanceDetailMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Conveyance Detail

Table Name	# Fields	# Records
<b>tadLocationHUC</b>	<b>3</b>	<b>0</b>

Table Description: **Association of a Location with a Hydrologic Unit**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Location_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Location
2 HUC_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Hydrologic Unit
3 IsPrimaryHUC	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes/No	1	Yes	Identifies a primary HUC to be associated with a Location; 'Yes' for only one HUC among alternatives for a single Location, or when only one HUC is associated

Table Name	# Fields	# Records
<b>tadLocationStateBasin</b>	<b>3</b>	<b>0</b>

Table Description: **Association of a Location with a State Basin**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Location_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Location
2 StateBasin_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State Basin
3 IsPrimaryStateBasin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes/No	1	Yes	Identifies a primary State Basin to be associated with a Location; 'Yes' for only one StateBasin among alternatives for a single Location, or when only one StateBasin is associated

Table Name	# Fields	# Records
<b>tadRateDetail</b>	<b>4</b>	<b>0</b>

Table Description: **Detail information about a Transaction Rate**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Rate_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Rate for a Transaction
2 RateDetailLabel_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Rate Detail Label
3 RateDetail	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Rate Detail information (numeric or textual 'value') corresponding to the RateDetailLabel descriptor
4 RateDetailMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Rate Detail



Table Name	# Fields	# Records
<b>tadResourceDetail</b>	<b>5</b>	<b>0</b>

Table Description: **Detail information about a Resource**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Resource_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a water Resource
2	ResourceDetailLabel_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Resource Detail Label
3	DataSource_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Data Source
4	ResourceDetail	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Resource Detail information (numeric or textual 'value') corresponding to the ResourceDetailLabel descriptor
5	ResourceDetailMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Resource Detail

Table Name	# Fields	# Records
<b>tadSiteConveyance</b>	<b>3</b>	<b>0</b>

Table Description: **Association of a Site with one end of a Conveyance (From or To)**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Conveyance_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance
2 FromOrTo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	4		Identifies an individual Site as the Input (From) or Output (To) end of a specific Conveyance
3 Site_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site

Table Name	# Fields	# Records
<b>tadSiteDetail</b>	<b>8</b>	<b>0</b>

Table Description: **Detail information about a Site (time-dependent)**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Site_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site
2 SiteDetailEffectiveDate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date/Time	8		Effective (starting) date for a recorded Site Detail (lower bound of time interval)
3 SiteDetailLabel_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site Detail Label
4 DataSource_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Data Source
5 TimeInterval_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Time Interval
6 SiteDetailEndingDate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Date/Time	8		Ending date for a recorded Site Detail (upper bound of time interval)
7 SiteDetailValue	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Value of a Detail describing a Site
8 SiteDetailMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Site Detail

Table Name	# Fields	# Records
<b>tadSiteResource</b>	<b>3</b>	<b>0</b>

Table Description: **Association of a Site with a water Resource**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Site_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site
2 Resource_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a water Resource
3 ConnectionCount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Number (Integer)	2		Number of direct Connections represented by the association of a Site with a water Resource

Table Name	# Fields	# Records
<b>tasConveyanceAlias</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a Conveyance with an Alias**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Conveyance_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance
2 Alias_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Alias

Table Name	# Fields	# Records
<b>tasConveyanceOwner</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a Conveyance with an Owner**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Conveyance_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance
2	Owner_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Owner

Table Name	# Fields	# Records
<b>tasOwnerAddress</b>	<b>2</b>	<b>0</b>

Table Description: **Association of an Owner with an Address**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Owner_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Owner
2 Address_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Address

Table Name	# Fields	# Records
<b>tasResourceAlias</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a water Resource with an Alias**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Resource_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a water Resource
2	Alias_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Alias



Table Name	# Fields	# Records
<b>tasSiteAddress</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a Site with an Address**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Site_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site
2	Address_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Address

Table Name	# Fields	# Records
<b>tasSiteAlias</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a Site with an Alias**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Site_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site
2	Alias_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Alias

Table Name	# Fields	# Records
<b>tasSystemSite</b>	<b>2</b>	<b>0</b>

Table Description: **Association of a Site with a named System**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 System_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a System
2 Site_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Site

Table Name	# Fields	# Records
<b>tblAddress</b>	<b>9</b>	<b>0</b>

Table Description: **Address for Owners and Sites**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Address_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies an Address
2 AddressType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Address Type
3 AddressLine1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		Address Line 1
4 AddressLine2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	50		Address Line 2
5 City	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		City Name
6 StateAbbrv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		State (or Canadian Province) Abbreviation
7 ZipCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	10		Postal Zip Code
8 CountryAbbrv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	3	"USA"	Country Abbreviation (USA or CAN)
9 AddressMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about an Address

Table Name	# Fields	# Records
<b>tblAlias</b>	<b>4</b>	<b>0</b>

Table Description: **Alias, such as State or EPA ID, for a Site, Conveyance or water Resource**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Alias_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies an Alias
2	AliasLabel_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an AliasLabel
3	AliasValue	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Alias Value, such as a permit number or station ID
4	AliasMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about an Alias

Table Name	# Fields	# Records
<b>tblConveyance</b>	<b>5</b>	<b>0</b>

Table Description: **Conveyance that serves as the water-carrying connection between two Sites (unidirectional); includes pipes, canals and conduits, trucking, and virtual linkages**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Conveyance_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Conveyance
2 ConveyanceType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Conveyance Type
3 ConveyanceAction_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Action performed by a Conveyance between two Sites
4 ConveyanceName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	200		Name of Conveyance
5 ConveyanceMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Conveyance

Table Name	# Fields	# Records
<b>tblLocation</b>	<b>10</b>	<b>1</b>

Table Description: **Location information for a Site; includes physical coordinates and geopolitical position, and links to hydrologic areas**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Location_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Location
2 LocationDetMethod_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Location Determination Method
3 LocationScale_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a spatial Scale term for a Location
4 State_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2	0	Key that uniquely identifies a State or Canadian Province
5 County_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2	0	Key that uniquely identifies a State/County combination
6 MCD_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2	0	Key that uniquely identifies a MCD (Minor Civil Division of US Census Bureau)
7 LocationName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	200		Location Name
8 LocationLatitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	10		Latitude coordinate (DMS format) for a Location
9 LocationLongitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	12		Longitude coordinate (DMS format) for a Location
10 LocationMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Location

Table Name	# Fields	# Records
<b>tblOwner</b>	<b>7</b>	<b>1</b>

Table Description: **Owner organization or entity that owns, controls or monitors a Site or Conveyance, or is the parent organization for a Data Source**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Owner_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies an Owner
2 OwnerType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Owner Type
3 ParentOwner_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number (Long)	4		Key that uniquely identifies the Parent-Owner of the current Owner, for example a regional organization
4 OwnerName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	200		Owner Name
5 OwnerContact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	200		Contact Name for an Owner
6 OwnerPhone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	25		Contact Phone number for an Owner
7 OwnerMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about an Owner



Table Name	# Fields	# Records
<b>tblRate</b>	<b>9</b>	<b>0</b>

Table Description: **Rate (volume of water per unit time) recorded for a Transaction based on a specific Determination Method and Unit**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Rate_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Rate for a Transaction
2 Transaction_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Transaction
3 Staff_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Staff person
4 DataSource_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Data Source
5 RateMethod_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Rate Method for determining the Rate of a Transaction
6 RawRateValue	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8		Numeric part of the Raw Rate Value for a Transaction
7 RateUnit_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Rate Unit (units by which raw rate values are originally recorded or estimated) for a Transaction
8 IsDefaultRate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes/No	1	Yes	Identifies a default Rate to be associated with a parent Transaction; 'Yes' for only one Rate among alternatives for a single Transaction, or when only one Rate is associated; when 'No', at least one additional Rate exists as the default
9 RateMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Rate

Table Name	# Fields	# Records
<b>tblResource</b>	<b>5</b>	<b>0</b>

Table Description: **Water Resource involved in water-use activities (withdrawals or releases); includes aquifers, springs, streams and rivers, lakes and reservoirs, estuaries and embayments, and the ocean**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Resource_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a water Resource
2 WaterBodyType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Type of Water Body represented by a water Resource (e.g., lake, river, estuary)
3 ResourceName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	200		Name typically used to identify a specific water Resource (e.g., Mill Brook or Scituate Reservoir)
4 ResourceCodeName	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	200		Code-Name phrase used to uniquely identify a Resource to distinguish it from others having the same ResourceName; e.g., 'Mill Brook, Middletown, MA' versus 'Mill Brook, Springfield, MA.'
5 ResourceMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a water Resource

Table Name	# Fields	# Records
<b>tblSite</b>	<b>10</b>	<b>3</b>

Table Description: **Site involved in water-use Transactions; includes wells, intakes and outfalls, distribution and treatment facilities, collection systems, industrial, commercial and domestic users, and aggregate-use entities**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Site_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Site
2 Location_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Location
3 Owner_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Owner
4 SiteType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Site Type
5 NEUseType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a New England Water Use Type for a Site
6 SIC_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Standard Industrial Classification item
7 NAICS_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a North American Industrial Classification System item
8 SiteName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	100		Site Name
9 SiteContact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Site Contact Information
10 SiteMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Site

Table Name	# Fields	# Records
<b>tblTransaction</b>	<b>7</b>	<b>0</b>

Table Description: **Record of a water-use Transaction on a Conveyance between two Sites for a specified Time Interval**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 Transaction_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Transaction
2 Conveyance_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Conveyance
3 TimeInterval_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Time Interval
4 TransactionEffectiveDate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date/Time	8		Effective (starting) date for a Transaction record (lower bound of time interval)
5 TransactionEndingDate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date/Time	8		Ending date for a Transaction record (upper bound of time interval)
6 RateMGD	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8	-1	Rate value for the Transaction in Mgal/d units; a derived value representing the product of the default RawRateValue for the transaction and the CommonConversion factor to convert to Mgal/d common units.
7 TransactionMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Transaction

Table Name	# Fields	# Records
<b>tdsAddressType</b>	<b>2</b>	<b>3</b>

Table Description: **List of Types of Addresses associated with a Site or an Owner**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	AddressType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Address Type
2	AddressType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Type of Address (street, mailing, both)

Table Name	# Fields	# Records
<b>tdsConveyanceAction</b>	<b>5</b>	<b>172</b>

Table Description: **List of Actions performed by a Conveyance between two Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	ConveyanceAction_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Action performed by a Conveyance between two Sites
2	ConveyanceActionCategory_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Category of an Action performed by a Conveyance between two Sites
3	ConveyanceActionPhrase	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	75		Phrase that describes the particular Action performed by a Conveyance
4	SiteTypeFromID	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that identifies the SiteType on the 'From' side of a Conveyance for a particular Action between two Sites
5	SiteTypeToID	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that identifies the SiteType on the 'To' side of a Conveyance for a particular Action between two Sites

Table Name	# Fields	# Records
<b>tdsConveyanceActionCategory</b>	<b>2</b>	<b>25</b>

Table Description: **List of Major Categories of Conveyance Actions performed between two Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	ConveyanceActionCategory_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Category of an Action performed by a Conveyance between two Sites
2	ConveyanceActionCategory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Term that defines a Category of an Action performed by a Conveyance between two Sites

Table Name	# Fields	# Records
<b>tdsConveyanceType</b>	<b>3</b>	<b>7</b>

Table Description: **List of Types of Conveyances**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 ConveyanceType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Conveyance Type
2 ConveyanceType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Type of Conveyance (e.g., pipe, canal, conduit, etc.)
3 ConveyanceTypeMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Conveyance Type



Table Name	# Fields	# Records
<b>tdsCounty</b>	<b>8</b>	<b>130</b>

Table Description: **List of County Names and Codes**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 County_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State/County combination
2 State_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State or Canadian Province
3 StateCountyCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	5		Concatenation of State and County Code numbers (unique)
4 CountyCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	3		County Code number within a State
5 CountyName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		County Name
6 CountyShortName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	23		County Name without the word 'County' or 'Parish'
7 CountyLatitude	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	6		Latitude coordinate (DMS format) for the centroid of a County
8 CountyLongitude	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	8		Longitude coordinate (DMS format) for the centroid of a County

Table Name	# Fields	# Records
<b>tdsHUC</b>	<b>3</b>	<b>61</b>

Table Description: **List of National 8-digit Hydrologic Unit Codes and Names**

	<b>Field Name</b>	<b>PK</b>	<b>FK</b>	<b>Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	HUC_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Hydrologic Unit
2	HUC	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	8		Hydrologic Unit Code (8-digit) from national list
3	HUCName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Official Name of 8-digit Hydrologic Unit

Table Name	# Fields	# Records
<b>tdsLocationScale</b>	<b>2</b>	<b>8</b>

Table Description: **List of Scale terms (point, MCD, County, etc.) that describe the spatial extent of a Location**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 LocationScale_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a spatial Scale term for a Location
2 LocationScale	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Term that describes the spatial Scale of a Location (e.g., point, MCD, County, State, HUC, etc.)

Table Name	# Fields	# Records
<b>tdsMCD</b>	<b>9</b>	<b>2,617</b>

Table Description: **List of Minor Civil Divisions of the US Census Bureau**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 MCD_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a MCD (Minor Civil Division of US Census Bureau)
2 County_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State/County combination
3 StateMCDCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	7		Concatenation of State and MCD Code numbers (unique)
4 MCDCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	5		MCD Code within a State
5 MCDType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Type of MCD (e.g., town, city, plantation, reservation, etc.)
6 MCDName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		MCD Name
7 MCDShortName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	38		Short name for MCD (excludes MCD type, which is part of formal Census MCD name)
8 MCDLatitude	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	6		Latitude coordinate (DMS format) for the centroid of a MCD
9 MCDLongitude	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	8		Longitude coordinate (DMS format) for the centroid of a MCD

Table Name	# Fields	# Records
<b>tdsNAICS</b>	<b>3</b>	<b>1,824</b>

Table Description: **List of North American Industrial Classification System codes and item descriptions from US Census Bureau**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	NAICS_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a North American Industrial Classification System item
2	NAICSCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	6		North American Industrial Classification System official Code
3	NAICSDescription	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	120		North American Industrial Classification System official Name or item description

Table Name	# Fields	# Records
<b>tdsNEUseType</b>	<b>4</b>	<b>86</b>

Table Description: **List of New England water use types to describe Sites in more detail than USGS Use Types**

	<b>Field Name</b>	<b>PK</b>	<b>FK</b>	<b>Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	NEUseType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a New England Water Use Type for a Site
2	USGSUseType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a USGS Water Use Type for a Site
3	NEUseTypeCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		USGS New England Water Use Type Code
4	NEUseType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		USGS New England Water Use Type Name or short description

Table Name	# Fields	# Records
<b>tdsOwnerType</b>	<b>3</b>	<b>6</b>

Table Description: **List of Owner Types**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 OwnerType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies an Owner Type
2 OwnerType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	25		Type of Owner (e.g., federal, state, municipal, private, etc.)
3 OwnerTypeMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about an Owner Type

Table Name	# Fields	# Records
<b>tdsRateUnitDecimal</b>	<b>3</b>	<b>7</b>

Table Description: **List of choices for the Decimal part of a RateUnit (ten, hundred, thousand, etc.) and their conversion factor to Million to get a common Rate unit of 'million gallons per day'**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 RateUnitDecimal_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Decimal component
2 DecimalUnit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	20		Term used to describe the Decimal part of a Rate Unit (e.g., hundred, thousand)
3 ConversionToMillion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8		Factor used to convert Decimal Unit to one equivalent in Millions



Table Name	# Fields	# Records
<b>tdsRateUnitTime</b>	<b>3</b>	<b>6</b>

Table Description: **List of choices for the Time part of a RateUnit (second, minute, hour, day, etc.) and their conversion factor to Day to get a common Rate unit of 'million gallons per day'**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 RateUnitTime_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Time component
2 TimeUnit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Term used to describe the Time part of a Rate Unit (e.g., second, minute, hour, day)
3 ConversionToDay	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8		Factor used to convert Time Unit to one equivalent in Days

Table Name	# Fields	# Records
<b>tdsRateUnitVolume</b>	<b>3</b>	<b>6</b>

Table Description: **List of choices for the Volume part of a RateUnit (gallon, cubic feet, acre-feet, etc.) and their conversion factor to Gallon to get a common Rate unit of 'million gallons per day'**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 RateUnitVolume_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Volume component
2 VolumeUnit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Term used to describe the Volume part of a Rate Unit (e.g., gallons, cubic feet, acre-feet)
3 ConversionToGallon	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8		Factor used to convert Volume Unit to one equivalent in Gallons

Table Name	# Fields	# Records
<b>tdsResourceType</b>	<b>4</b>	<b>7</b>

Table Description: **List of Types of water Resources**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	ResourceType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a water Resource Type
2	GWorSW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		GW (ground water) or SW (surface water) identifier for a ResourceType
3	Salinity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		Salinity group of a ResourceType (fresh, brackish or saline)
4	ResourceType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Type of water Resource (e.g., fresh ground-water, brackish surface-water, etc.)

Table Name	# Fields	# Records
<b>tdsSIC</b>	<b>3</b>	<b>1,005</b>

Table Description: **List of Standard Industrial Classification System codes and item descriptions from US Census Bureau**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 SIC_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Standard Industrial Classification item
2 SICCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	4		Standard Industrial Classification official Code
3 SICDescription	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	120		Standard Industrial Classification official Name or item description

Table Name	# Fields	# Records
<b>tdsSiteType</b>	<b>4</b>	<b>30</b>

Table Description: **List of Types of Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	SiteType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Site Type
2	SiteTypeSubcategory_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a SubCategory for describing Site Types
3	SiteType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Type of Site (e.g., well, discharge pipe, regional distribution Site, potable treatment plant, single user, etc.)
4	SiteTypeMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Site Type

Table Name	# Fields	# Records
<b>tdsSiteTypeCategory</b>	<b>2</b>	<b>6</b>

Table Description: **List of Major Categories for describing Types of Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	SiteTypeCategory_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a major Category for describing Site Types
2	SiteTypeCategory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	25		Term that defines a major Category of Site Types

Table Name	# Fields	# Records
<b>tdsSiteTypeSubcategory</b>	<b>3</b>	<b>12</b>

Table Description: **List of Sub-Categories for describing Types of Sites, with link to Major Categories**

	<b>Field Name</b>	<b>PK</b>	<b>FK</b>	<b>Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	SiteTypeSubcategory_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a SubCategory for describing Site Types
2	SiteTypeCategory_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a major Category for describing Site Types
3	SiteTypeSubcategory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	25		Term that defines a SubCategory of Site Types

Table Name	# Fields	# Records
<b>tdsState</b>	<b>7</b>	<b>8</b>

Table Description: **List of States and State Codes**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 State_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State or Canadian Province
2 CountryAbbrv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	3	"USA"	Country Abbreviation (USA or CAN)
3 StateCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		FIPS State Code, or surrogate for Canadian Province
4 StateAbbrv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	2		State (or Canadian Province) Abbreviation
5 StateName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		State (or Canadian Province) Name
6 StateLatitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	6		Latitude coordinate (DMS format) for the centroid of a State
7 StateLongitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	8		Longitude coordinate (DMS format) for the centroid of a State



Table Name	# Fields	# Records
<b>tdsStateBasin</b>	<b>4</b>	<b>0</b>

Table Description: **List of State Basin codes and names**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	StateBasin_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a State Basin
2	StateMajorBasin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	200		Name used by a State to identify a Major Basin or Watershed area that contains one or more State Basins (ex: major river system names where one or more individual basins are designated)
3	StateBasinCode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Text	20		Code used by a State to identify a Basin or Watershed within its boundaries
4	StateBasin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	200		Name used by a State to identify a Basin or Watershed within its boundaries

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Table Name	# Fields	# Records
<b>tdsTimeInterval</b>	<b>2</b>	<b>11</b>

Table Description: **List of Time intervals (year, month, week, day, multi-day) over which Transactions and Site Details apply**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 TimeInterval_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Time Interval
2 TimeInterval	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	25		Term that defines a Time Interval (e.g., year, month, week, day, etc.)

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Table Name	# Fields	# Records
<b>tdsUSGSUseType</b>	<b>3</b>	<b>16</b>

Table Description: **List of USGS National Water Use Program Water Use Type designations and codes**

	<b>Field Name</b>	<b>PK FK Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	USGSUseType_ID	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a USGS Water Use Type for a Site
2	USGSUseTypeCode	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Text	2		USGS National Water Use Type 2-letter Code
3	USGSUseType	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Text	50		USGS National Water Use Type Name or short description

Table Name	# Fields	# Records
<b>tdsWaterBodyType</b>	<b>3</b>	<b>10</b>

Table Description: **List of Types of Water Bodies represented by a water Resource, such as pond/lake, reservoir, river or estuary**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	WaterBodyType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Type of Water Body represented by a water Resource (e.g., lake, river, estuary)
2	ResourceType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a water Resource Type
3	WaterBodyType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	30		Type of Water Body describing a water Resource (e.g., river, lake, estuary, ocean, etc.)

Table Name	# Fields	# Records
<b>tdxAliasLabel</b>	<b>5</b>	<b>0</b>

Table Description: **User-Extendable List of standardized Labels used for Alias assignments**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	AliasLabel_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies an AliasLabel
2	DataSource_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Data Source
3	AliasSource	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	75		Source of an Alias
4	AliasLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Label for an Alias, for example "Permit Number" or "Station ID"
5	AliasLabelMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about an Alias Label

Table Name	# Fields	# Records
<b>tdxConveyanceDetailLabel</b>	<b>3</b>	<b>5</b>

Table Description: **User-Extendable List of standardized Labels used for Conveyance Details**

	<b>Field Name</b>	<b>PK</b>	<b>FK</b>	<b>Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	ConveyanceDetailLabel_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Conveyance Detail Label
2	ConveyanceDetailLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Label describing the numeric or textual 'value' of a Conveyance Detail
3	ConveyanceDetailLabelMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Conveyance Detail Label

Table Name	# Fields	# Records
<b>tdxDataSource</b>	<b>4</b>	<b>0</b>

Table Description: **User-Extendable List of the Sources of Data being stored**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 DataSource_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Data Source
2 Owner_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies an Owner
3 DataSource	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	75		Data Source name
4 DataSourceMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Data Source

Table Name	# Fields	# Records
<b>tdxLocationDetMethod</b>	<b>2</b>	<b>10</b>

Table Description: **User-Extendable List of Location Determination Methods for Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	LocationDetMethod_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Location Determination Method
2	LocationDetMethod	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Location Determination Method



Table Name	# Fields	# Records
<b>tdxRateDetailLabel</b>	<b>3</b>	<b>1</b>

Table Description: **User-Extendable List of standardized Labels used for Rate Details**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	RateDetailLabel_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Rate Detail Label
2	RateDetailLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Label describing the numeric or textual 'value' of a Rate Detail (e.g., Accuracy)
3	RateDetailLabelMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Rate Detail Label

Table Name	# Fields	# Records
<b>tdxRateMethod</b>	<b>4</b>	<b>42</b>

Table Description: **User-Extendable List of Methods used to measure or estimate a Transaction Rate**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 RateMethod_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Rate Method for determining the Rate of a Transaction
2 RateMethodCategory_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Category of Rate Determination Methods
3 RateMethod	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	200		Name or short description of the Method used for determining the Rate (volume per unit time) of a water Transaction
4 RateMethodMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Rate Method

Table Name	# Fields	# Records
<b>tdxRateMethodCategory</b>	<b>2</b>	<b>11</b>

Table Description: **User-Extendable List of Major Categories of Rate Determination Methods**

	<b>Field Name</b>	<b>PK</b>	<b>FK</b>	<b>Rqd</b>	<b>Type</b>	<b>Size</b>	<b>Default</b>	<b>Description</b>
1	RateMethodCategory_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Category of Rate Determination Methods
2	RateMethodCategory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Term that defines a Category of Rate Determination Methods

Table Name	# Fields	# Records
<b>tdxRateUnit</b>	<b>8</b>	<b>20</b>

Table Description: **User-Extendable List of Units and conversion factors used for Transaction/Rate Raw Rate Values**

Field Name	PK	FK	Rqd	Type	Size	Default	Description
1 RateUnit_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Rate Unit (units by which raw rate values are originally recorded or estimated) for a Transaction
2 RateUnitAbbrv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Abbreviation commonly used to express a Rate Unit
3 RateUnitPhrase	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50	-1	Rate Unit Name made of Decimal, Volume and Time component terms
4 MGDConversion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Double)	8	-1	Conversion value to be multiplied against a Raw Rate Value recorded in a particular Unit to create an equivalent value for that Rate in MGD (million gallons per day)
5 RateUnitMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Rate Unit
6 RateUnitDecimal_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Decimal component
7 RateUnitVolume_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Volume component
8 RateUnitTime_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Integer)	2		Key that uniquely identifies a Rate Unit Time component

Table Name	# Fields	# Records
<b>tdxResourceDetailLabel</b>	<b>3</b>	<b>5</b>

Table Description: **User-Extendable List of standardized Labels used for Resource Details**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	ResourceDetailLabel_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Resource Detail Label
2	ResourceDetailLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Label describing the numeric or textual 'value' of a Resource Detail
3	ResourceDetailLabelMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Resource Detail Label

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Table Name	# Fields	# Records
<b>tdxSiteDetailCategory</b>	<b>2</b>	<b>5</b>

Table Description: **User-Extendable List of Label Categories used for time-dependent Site Details**

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	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	SiteDetailCategory_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Category for describing Details about a Site
2	SiteDetailCategory	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	20		Term that defines a Category for describing Details about a Site

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Table Name	# Fields	# Records
<b>tdxSiteDetailLabel</b>	<b>6</b>	<b>43</b>

Table Description: **User-Extendable List of Labels used for time-dependent Site Details**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	SiteDetailLabel_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Site Detail Label
2	SiteDetailCategory_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Category for describing Details about a Site
3	SiteDetailLabel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Label describing the numeric or textual 'value' of a Site Detail
4	IsNumericDetail	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Yes/No	1		Identifies a Site Detail Label for numeric values; 'Yes' only for labels associated with numeric values
5	SiteDetailUnit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Optional Unit for a Site Detail Label, but Required for labels representing numeric values
6	SiteDetailLabelMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a Site Detail Label

Table Name	# Fields	# Records
<b>tdxStaff</b>	<b>5</b>	<b>0</b>

Table Description: **User-Extendable List of Staff entering, reviewing or evaluating Rate data**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	Staff_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Staff person
2	StaffInitials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	4		Initials of Staff person (unique code for each individual)
3	StaffName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Name of Staff person
5	StaffAffiliation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	50		Affiliation of Staff person
6	StaffMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about Staff person



Table Name	# Fields	# Records
<b>tdxSystem</b>	<b>5</b>	<b>0</b>

Table Description: **User-Extendable List of Systems consisting of a two or more associated Sites**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	System_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a System
2	SystemType_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number (Long)	4		Key that uniquely identifies a Type of System
3	SystemName	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	200		Name of a System consisting of one or more Sites
4	ParentSystem_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number (Long)	4		Key that uniquely identifies the Parent System of the current System (accommodates nested Systems)
5	SystemMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a System

Table Name	# Fields	# Records
<b>tdxSystemType</b>	<b>3</b>	<b>6</b>

Table Description: **User-Extendable List of Types of Systems (aggregates of Sites)**

	Field Name	PK	FK	Rqd	Type	Size	Default	Description
1	SystemType_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AutoNumber (Long)	4		Key that uniquely identifies a Type of System
2	SystemType	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Text	40		Type classification of a System consisting of one or more Sites
3	SystemTypeMemo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Memo	-		Note about a System Type