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# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Water System

**Object Tag:** <WaterSystems><WaterSystemDetails>

**Schema File Name:** SDWA\_WaterSystem\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
PWS TYPE	<PWSTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM	D PWS FEDERAL TYPE CODE
<i>Table / Column</i> TINWSYS	D PWS FED TYPE CD
PWS NAME	<PWSNameText>
<i>Entity / Attribute</i> WATER SYSTEM	NAME
<i>Table / Column</i> TINWSYS	NAME
ACTIVITY FLAG	<PWSActivityFlag>
<i>Entity / Attribute</i> WATER SYSTEM	ACTIVITY STATUS CODE
<i>Table / Column</i> TINWSYS	ACTIVITY STATUS CD
DEACTIVATION DATE	<PWSDeactivationDate>
<i>Entity / Attribute</i> WATER SYSTEM	ACTIVITY DATE
<i>Table / Column</i> TINWSYS	ACTIVITY DATE
WHOLESALEROFWATER	<WholeSalerOfWaterCode>
<i>Entity / Attribute</i> POPULATION SERVED	TYPE CODE
<i>Table / Column</i> TINPOPSV	TYPE CODE
RETAIL POPULATION SERVED	<RetailPopulationServed>
<i>Entity / Attribute</i> WATER SYSTEM	D POPULATION COUNT
<i>Table / Column</i> TINWSYS	D POPULATION COUNT

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**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Water System

**Object Tag:** <WaterSystems><WaterSystemDetails>

**Schema File Name:** SDWA\_WaterSystem\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
RETAIL SERVICE CONNECTIONS	<RetailServiceConnections>
<i>Entity / Attribute</i> SERVICE CONNECTION CATEGORY	COUNT
<i>Table / Column</i> TINSCC	SVC CONNECT CNT
NON-COMMUNITY SEASON BEGIN (MONTH AND DAY)	<NonCommunitySeason><NonCommunitySeasonBeginMonthDay>
<i>Entity / Attribute</i> ANNUAL OPERATING PERIOD	START MONTH, START DAY
<i>Table / Column</i> TINAOPRD	START MONTH, START DAY
NON-COMMUNITY SEASON END (MONTH AND DAY)	<NonCommunitySeason><NonCommunitySeasonEndMonthDay>
<i>Entity / Attribute</i> ANNUAL OPERATING PERIOD	END MONTH, END DAY
<i>Table / Column</i> TINAOPRD	END MONTH, END DAY
OWNER TYPE	<OwnerTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM	OWNER TYPE CODE
<i>Table / Column</i> TINWSYS	OWNER TYPE CODE

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Water System Facility Source

**Object Tag:** <WaterSystemFacilities><FacilityDetails>

**Schema File Name:** SDWA\_WaterSystemFacility\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
ACTIVITY FLAG	<FacilityActivityFlag>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILITY	ACTIVITY_STATUS_CD
	Y
<i>Table / Column</i> TINWSF	ACTIVITY_STATUS_CD
DEACTIVATION DATE	<FacilityDeactivationDate>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILITY	ACTIVITY_DATE
	Y
<i>Table / Column</i> TINWSF	ACTIVITY_DATE
FACILITY NAME	<SourceFacility><FacilityNameText>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	NAME
<i>Table / Column</i> TINWSF	NAME
STATE DATABASE FACILITY ID	<SourceFacility><FacilityStateDatabaseIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	STATE ASGN IDENTIFICATION CODE
<i>Table / Column</i> TINWSF	ST ASGN IDENT CD
FACILITY TYPE CODE	<SourceFacility><SourceFacilityTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	TYPE CODE
<i>Table / Column</i> TINWSF	TYPE CODE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Water System Facility Source  
**Object Tag:** <WaterSystemFacilities><FacilityDetails>  
**Schema File Name:** SDWA\_WaterSystemFacility\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
FACILITY WATER TYPE CODE	<SourceFacility><SourceFacilityWaterTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY WATER TYPE CODE	
<i>Table / Column</i> TINWSF WATER TYPE CODE	
AVAILABILITY	<SourceFacility><SourceFacilityAvailabilityCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY AVAILABILITY CODE	
<i>Table / Column</i> TINWSF AVAILABILITY CODE	
SELLER PWS ID	<SourceFacility><SourceFacilitySellerPWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM NUMBER	
<i>Table / Column</i> TINWSYS NUMBER0	
SELLER SOURCE TREATMENT CODE	<SourceFacility><SourceFacilitySellerTreatmentCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY SELLER TREATMENT INDICATOR CODE	
<i>Table / Column</i> TINWSF SELL TREAT IND CD	
SOURCE TREATED CODE	<SourceFacility><SourceFacilityTreatedCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY NO TREATMENT IND CODE	
<i>Table / Column</i> TINWSF NO TREAT IND CD	
REPORTED FILTRATION STATUS CODE	<SourceFacility><SourceFacilityReportedFiltrationStatus>
<i>Entity / Attribute</i> N/A for SDWIS/State R8 N/A for SDWIS/State R8	
<i>Table / Column</i> N/A for SDWIS/State 8.0 N/A for SDWIS/State 8.0	

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Water System Facility Treatment Pl

**Object Tag:** <WaterSystemFacilities><FacilityDetails>

**Schema File Name:** SDWA\_WaterSystemFacility\_v2

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<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
FACILITY TYPE CODE	<FacilityTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	TYPE CODE
<i>Table / Column</i> TINWSF	TYPE CODE
ACTIVITY FLAG	<FacilityActivityFlag>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILIT Y	ACTIVITY_STATUS_CD
<i>Table / Column</i> TINWSF	ACTIVITY_STATUS_CD
DEACTIVATION DATE	<FacilityDeactivationDate>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILIT Y	ACTIVITY_DATE
<i>Table / Column</i> TINWSF	ACTIVITY_DATE
FACILITY NAME	<FacilityNameText>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	NAME
<i>Table / Column</i> TINWSF	NAME
STATE DATABASE FACILITY ID	<StateDataBaseFacilityId>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	STATE ASGN IDENTIFICATION CODE
<i>Table / Column</i> TINWSF	ST ASGN IDENT CD

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Water System Facility Other

**Object Tag:** <WaterSystemFacilities><FacilityDetails>

**Schema File Name:** SDWA\_WaterSystemFacility\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
ACTIVITY FLAG	<FacilityActivityFlag>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILIT Y	ACTIVITY_STATUS_CD
<i>Table / Column</i> TINSWSF	ACTIVITY_STATUS_CD
DEACTIVATION DATE	<FacilityDeactivationDate>
<i>Entity / Attribute</i> WATER_SYSTEM_FACILIT Y	ACTIVITY_DATE
<i>Table / Column</i> TINSWSF	ACTIVITY_DATE
FACILITY NAME	<OtherFacility><FacilityNameText>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY NAME	
<i>Table / Column</i> TINWSF	NAME
STATE DATABASE FACILITY ID	<OtherFacility><StateDatabaseFacilityId>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	STATE ASGN IDENTIFICATION CODE
<i>Table / Column</i> TINWSF	ST ASGN IDENT CD
FACILITY TYPE CODE	<OtherFacility><OtherFacilityTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	TYPE CODE
<i>Table / Column</i> TINWSF	TYPE CODE

# Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database

**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Legal Entity  
**Object Tag:** <LegaEntities><LegaEntityDetails>  
**Schema File Name:** SDWA\_LegalEntity\_v2

Element Name	XML Schema Tag
ADDRESS ID	<LegalEntityAddressIdentifier>
<i>Entity / Attribute</i> LEGAL ENTITY	TINLGENT_IS_NUMBER, TINLGENT_ST_CODE
<i>Table / Column</i> TINLGENT	TINLGENT_ST_CODE, TINLGENT_IS_NUMBER,
ORGANIZATION	<OrganizationNameText>
<i>Entity / Attribute</i> LEGAL ENTITY	NAME
<i>Table / Column</i> TINLGENT	NAME
ADDRESSEE NAME	<AddresseeNameText>
<i>Entity / Attribute</i> LEGAL ENTITY	NAME
<i>Table / Column</i> TINLGENT	NAME
ADDRESS LINE 1	<Address><MailingAddressText>
<i>Entity / Attribute</i> LEGAL ENTITY	ADDRESS LINE ONE TEXT
<i>Table / Column</i> TINLGENT	ADDR LINE ONE TXT
ADDRESS LINE 2	<Address><SupplementalAddressText>
<i>Entity / Attribute</i> LEGAL ENTITY	ADDRESS LINE TWO TEXT
<i>Table / Column</i> TINLGENT	ADDR LINE TWO TXT
CITY	<Address><MailingAddressCityName>
<i>Entity / Attribute</i> LEGAL ENTITY	ADDRESS CITY NAME
<i>Table / Column</i> TINLGENT	ADDRESS CITY NAME
US STATE AND CANADIAN PROVINCE CODE	<Address><SDWAUSStateCodeCanadianProvince>
<i>Entity / Attribute</i> LEGAL ENTITY	ADDRESS STATE CODE
<i>Table / Column</i> TINLGENT	ADDRESS STATE CODE

# Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database

**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Legal Entity  
**Object Tag:** <LegaEntities><LegaEntityDetails>  
**Schema File Name:** SDWA\_LegalEntity\_v2

Element Name	XML Schema Tag
COUNTRY CODE	<Address><CountryCode>
<i>Entity / Attribute</i> LEGAL ENTITY	COUNTRY CODE
<i>Table / Column</i> TINLGENT	COUNTRY CODE
POSTAL CODE	<Address><MailingAddressZipCode>
<i>Entity / Attribute</i> LEGAL ENTITY	ADDRESS ZIP CODE
<i>Table / Column</i> TINLGENT	ADDRESS_ZIP_CODE
INTERNATIONAL POSTAL CODE	<Address><MailingAddressZipCode>
<i>Entity / Attribute</i> LEGAL ENTITY	INTERNATIONAL POSTAL CODE
<i>Table / Column</i> TINLGENT_IS_NUMBER,	INT_POST_CD
TELEPHONE NUMBER	<PhoneFaxEmail><TelephoneNumber>
<i>Entity / Attribute</i> LEGAL ENTITY	PHONE NUMBER
<i>Table / Column</i> TINLGENT or TININDIV	PHONE NUMBER or BUS PHONE NUM
TELEPHONE EXTENSION NUMBER	<PhoneFaxEmail><TelephoneNumberExtension>
<i>Entity / Attribute</i> INDIVIDUAL	BUSINESS PHONE NUMBER EXTENSION
<i>Table / Column</i> TININDIV	BUS PHONE NUM EXT
FAX NUMBER	<PhoneFaxEmail><FaxNumber>
<i>Entity / Attribute</i> INDIVIDUAL	FAX NUMBER
<i>Table / Column</i> TININDIV	FAX NUMBER
ELECTRONIC ADDRESS	<PhoneFaxEmail><EmailAddressText>
<i>Entity / Attribute</i> INDIVIDUAL	EMAIL ADDRESS
<i>Table / Column</i> TININDIV	EMAIL ADDRESS

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Legal Entity Affiliation

**Object Tag:** <LegalEntityAffiliations><LegalEntityAffiliationDetails>

**Schema File Name:** SDWA\_LegalEntityAffiliation\_v2

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<i>Element Name</i>	<i>XML Schema Tag</i>
ADDRESS ID	<LegalEntityAddressIdentifier>
<i>Entity / Attribute</i> LEGAL ENTITY	TINLGENT_IS_NUMBER, TINLGENT_ST_CODE
<i>Table / Column</i> TINLGENT	TINLGENT_IS_NUMBER, TINLGENT_ST_CODE
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
AFFILIATION TYPE	<AffiliationCode>
<i>Entity / Attribute</i> WATER SYS LEGAL ENTITY CONTACT	TYPE CODE
<i>Table / Column</i> TINWSLEC	TYPE CODE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Service Area  
**Object Tag:** <ServiceAreas> <ServiceAreaDetails>  
**Schema File Name:** SDWA\_ServiceArea\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
PRIMARY NAICS CODE SERVICE AREA	<PrimaryNAICSCode>
<i>Entity / Attribute</i> WATER SYSTEM SERVICE AREA ASGMT	Set this value based on the PRIMARY INDICATOR CODE. EPA will provide a translation table from the service are type/cat to the NAICS Code.
<i>Table / Column</i> A translation table from the TINWSAA.TINSAT_NAME_CODE to the NAICS Code.	A translation table from the TINWSAA.TINSAT_NAME_CODE to the NAICS Code.
NAICS CODE SERVICE AREA	<NAICSCode>
<i>Entity / Attribute</i> WATER SYSTEM SERVICE AREA ASGMT	Set this value based on the type/cat assignment. EPA will provide a translation table from the service are type/cat to the NAICS Code.
<i>Table / Column</i> A translation table from the TINWSAA.TINSAT_NAME_CODE to the NAICS Code.	A translation table from the TINWSAA.TINSAT_NAME_CODE to the NAICS Code.

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Geographic Area

**Object Tag:** <GeographicAreas><GeographicAreaDetails>

**Schema File Name:** SDWA\_GeographicArea\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
US STATE CODE	<AreasServed><StateAndCityServed><StateServed>
<i>Entity / Attribute</i> GEOGRAPHIC AREA	TINGEOAR_ST_CODE ?
<i>Table / Column</i> TINGEOAR	TINGEOAR ST CODE
CITY NAME	<AreasServed><StateAndCityServed><CityServed>
<i>Entity / Attribute</i> GEOGRAPHIC AREA	NAME
<i>Table / Column</i> TINGEOAR	NAME
FIPS COUNTY CODE	<FIPSCountyCode>
<i>Entity / Attribute</i> GEOGRAPHIC AREA	FIPS CODE
<i>Table / Column</i> TINGEOAR	FIPS CODE
TRIBAL CODE	<TribalCode>
<i>Entity / Attribute</i> GEOGRAPHIC AREA	FIPS CODE
<i>Table / Column</i> TINGEOAR	FIPS CODE
SERVICE AREA ZIP CODE	<RetailPopulationZipCode>
<i>Entity / Attribute</i>	
<i>Table / Column</i> Future Implementation	Future Implementation

# Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database

**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Locational Detail  
**Object Tag:** <Locations><LocationDetails>  
**Schema File Name:** SDWA\_LocationalDetail\_v2

Element Name	XML Schema Tag
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
LATITUDE DEG:MINS:SECS	<LatitudeLongitude><LatitudeLongitudeDegMinSec><LatitudeDegMinSec>
<i>Entity / Attribute</i>	
<i>Table / Column</i> Not Extracted (Extract Longitude Measure)	Not Extracted (Extract Longitude Measure)
LONGITUDE DEG:MINS:SECS	<LatitudeLongitude><LatitudeLongitudeDegMinSec><LongitudeDegMinSec>
<i>Entity / Attribute</i>	
<i>Table / Column</i> Not Extracted (Extract Longitude Measure)	Not Extracted (Extract Longitude Measure)
LATITUDE MEASURE	<LatitudeLongitude><LatitudeLongitudeDegMinSec><LatitudeMeasure>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LATITUDE DEC DEG MEASURE
<i>Table / Column</i> TINLOC	LAT DEC DEG MSR
LONGITUDE MEASURE	<LatitudeLongitude><LatitudeLongitudeDegMinSec><LongitudeMeasure>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LONGITUDE DEC DEG MSR
<i>Table / Column</i> TINLOC	LONG DEC DEG MSR

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Locational Detail  
**Object Tag:** <Locations><LocationDetails>  
**Schema File Name:** SDWA\_LocationalDetail\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
HORIZONTAL COLLECTION METHOD CODE	<HorizontalCollectionMethodCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG COLLECTION METHOD CODE
<i>Table / Column</i> TINLOC	LL COLLECT METH CD
HORIZONTAL ACCURACY MEASURE	<HorizontalAccuracyMeasure>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG ACCURACY MEASURE
<i>Table / Column</i> TINLOC	LL ACCURACY MSR
REFERENCE POINT CODE	<ReferencePointCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG DESCRIPTION CAT CODE
<i>Table / Column</i> TINLOC	LL DESC CAT CD
HORIZONTAL REFERENCE DATUM CODE	<HorizontalReferenceDatumCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG HORIZONTAL DATUM CODE
<i>Table / Column</i> TINLOC	LL HORIZ DATUM CD
SOURCE MAP SCALE	<SourceMapScaleCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG SOURCE SCALE CODE
<i>Table / Column</i> TINLOC	LL SOURCE SCALE CD
GEOMETRIC TYPE CODE	<GeometricTypeCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG POINT LINE AREA CODE
<i>Table / Column</i> TINLOC	LL PNT LIN AREA CD
DATA COLLECTION DATE	<DataCollectionDate>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG COLLECTION DATE
<i>Table / Column</i> TINLOC	LAT LONG DETERM DT

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
**Object Name:** Locational Detail  
**Object Tag:** <Locations><LocationDetails>  
**Schema File Name:** SDWA\_LocationalDetail\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
COORDINATE DATA SOURCE CODE	<CoordinateDataSourceCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG SOURCE CD
<i>Table / Column</i> TINLOC	LL SOURCE CD
VERIFICATION METHOD CODE	<VerificationMethodCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LAT LONG VERIFICATION CODE
<i>Table / Column</i> TINLOC	LL VERIFICATION CD
VERTICAL MEASURE	<VerticalMeasure>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	VERTICAL MEASURE
<i>Table / Column</i> TINLOC	VERTICAL MEASURE
VERTICAL COLLECTION METHOD CODE	<VerticalCollectionMethodCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	VERTICAL COLLECTION METHOD CODE
<i>Table / Column</i> TINLOC	VER COL METH CD
VERTICAL ACCURACY MEASURE	<VerticalAccuracyMeasure>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	VERTICAL ACCURACY MEASURE
<i>Table / Column</i> TINLOC	VERT ACCURACY MSR
VERTICAL REFERENCE DATUM CODE	<VerticalReferenceDatumCode>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	VERTICAL DATUM CODE
<i>Table / Column</i> TINLOC	VERT DATUM CD
LOCATION COMMENT TEXT	<LocationCommentText>
<i>Entity / Attribute</i> LOCATIONAL DETAIL	LOC DESC COMMENT TEXT
<i>Table / Column</i> TINLOC	LOC DESC CMNT TXT

# Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database

**Data Flow:** Inventory  
**Root Element:** <InventoryDataFlow>  
**Schema File Name:** SDWA\_DataFlowInventory\_v2  
  
**Object Name:** Treatment Data  
**Object Tag:** <TreatmentData><TreatmentDetails>  
**Schema File Name:** SDWA\_TreatmentData\_v2

Element Name	XML Schema Tag
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
TREATMENT ID	<TreatmentIdentifier>
<i>Entity / Attribute</i> TREATMENT OBJ PROCESS ASGMT	EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TINTROPA	EXTERNAL SYS NUM
TREATMENT OBJECTIVE	<TreatmentObjectiveCode>
<i>Entity / Attribute</i> D TREATMENT OBJECTIVE	TINTROBJ CODE
<i>Table / Column</i> TINTROBJ	TINTROBJ CODE
TREATMENT PROCESS	<TreatmentProcessCode>
<i>Entity / Attribute</i> D TREATMENT PROCESS	TINTRPRO CODE
<i>Table / Column</i> TINTRPRO	TINTRPRO CODE
TREATMENT COMMENT	<TreatmentCommentText>
<i>Entity / Attribute</i> D TREATMENT PROCESS	NAME
<i>Table / Column</i> TINTRPRO	NAME

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Inventory

**Root Element:** <InventoryDataFlow>

**Schema File Name:** SDWA\_DataFlowInventory\_v2

**Object Name:** Facility Flow

**Object Tag:** <FacilityFlowData><FacilityFlowDetails>

**Schema File Name:** SDWA\_FacilityFlow\_v2

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<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID FLOW FROM	<FacilityFlow><FlowFromFacility>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
FACILITY ID FLOW TO	<FacilityFlow><FlowToFacility>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:**                **Actions**

**Root Element:**        <ActionsDataFlow>

**Schema File Name:**   **SDWA\_DataFlowActions\_v2**

**Object Name**            *Violation*

**Object Tag:**            <Violations><ViolationDetails>

**Schema File Name**   *SDWA\_Violation\_v2*

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
VIOLATION ID	<ViolationIdentifier>
<i>Entity / Attribute</i> VIOLATION	FED FISCAL YEAR and EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TMNVIOL	EXTERNAL SYS NUM, FED FISCAL YEAR (last two digits of fiscal year)
VIOLATION TYPE	<ViolationTypeCode>
<i>Entity / Attribute</i> VIOLATION TYPE	TYPE CODE
<i>Table / Column</i> TMNVTYPE	TYPE CODE
CONTAMINANT CODE	<ViolationContaminantCode>
<i>Entity / Attribute</i> ANALYTE	CODE
<i>Table / Column</i> TSAANLYT	CODE
COMPLIANCE PERIOD BEGIN DATE	<CompliancePeriod><CompliancePeriodBeginDate>
<i>Entity / Attribute</i> VIOLATION	COMP PRD BEGIN DT or sometime PERIOD BEGIN DATE
<i>Table / Column</i> TMNVIOL	COMP PRD BEGIN DT or PERIOD BEGIN DATE
COMPLIANCE PERIOD END DATE	<CompliancePeriod><CompliancePeriodEndDate>
<i>Entity / Attribute</i> VIOLATION	COMP PRD END DT
<i>Table / Column</i> TMNVIOL	PERIOD_END_DATE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:**           **Actions**

**Root Element:**       <ActionsDataFlow>

**Schema File Name:** SDWA\_DataFlowActions\_v2

**Object Name**         *Violation*

**Object Tag:**         <Violations><ViolationDetails>

**Schema File Name** SDWA\_Violation\_v2

---

<i>Element Name</i>	<i>XML Schema Tag</i>
ANALYSIS RESULT	<AnalysisResult>
<i>Entity / Attribute</i> VIOLATION	ANALYSIS RESULT MEASURE
<i>Table / Column</i> TMNVIOL	ANALYSIS RESULT ME
LEVEL VIOLATED	<LevelViolated>
<i>Entity / Attribute</i> VIOLATION	MCL VIOLATED TEXT
<i>Table / Column</i> TMNVIOL	MCL VIOLATED TEXT
MAJOR VIOLATION INDICATOR	<MajorViolationIndicator>
<i>Entity / Attribute</i> VIOLATION TYPE	SEVERITY LEVEL
<i>Table / Column</i> TMNVTYPE	SEVERITY LEVEL
PUBLIC NOTICE UNDERLYING VIOLATION ID	<PNViolationIdentifier>
<i>Entity / Attribute</i> VIOLATION	FED FISCAL YEAR and EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TMNVIOL	EXTERNAL SYS NUM, FED FISCAL YEAR (last two digits of fiscal year)
REPORTING DATE	<ViolationReportingDate>
<i>Entity / Attribute</i> VIOLATION	D LAST UPDATE TIMESTAMP
<i>Table / Column</i> TMNVIOL	D LAST UPDT TS

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:**           **Actions**

**Root Element:**       <ActionsDataFlow>

**Schema File Name:** **SDWA\_DataFlowActions\_v2**

**Object Name**           *Enforcement Action*

**Object Tag:**           <Enforcements><EnforcementDetails>

**Schema File Name**   *SDWA\_Enforcement\_v2*

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
ENFORCEMENT ID	<EnforcementIdentifier>
<i>Entity / Attribute</i> ENFORCEMENT ACTION	FED FISCAL YEAR, EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TENENACT	EXTERNAL SYS NUM, FED FISCAL YEAR (last two digits of fiscal year)
ENFORCEMENT DATE	<EnforcementDate>
<i>Entity / Attribute</i> ENFORCEMENT ACTION	STATUS DATE
<i>Table / Column</i> TENENACT	STATUS DATE
ACTION CODE	<EnforcementActionCode>
<i>Entity / Attribute</i> ACTION TYPE	LOCATION TYPE CODE, FORMAL TYPE CODE, SUB CATEGORY CODE
<i>Table / Column</i> TENACTYP	LOCATION TYPE CODE, FORMAL TYPE CODE, SUB CATEGORY CODE
ENFORCEMENT COMMENT	<EnforcementCommentText>
<i>Entity / Attribute</i> ENFORCEMENT ACTION	REMARKS TEXT
<i>Table / Column</i> TENENACT	REMARKS TEXT
ASSOCIATED J5000 GROUP	<AssociatedViolationCriteria>
<i>Entity / Attribute</i> Not used by SDWIS/State	
<i>Table / Column</i> Not used by SDWIS/State	
ASSOCIATED VIOLATION IDS (Y5000)	<AssociatedViolationIDs>
<i>Entity / Attribute</i> VIOLATION	FED FISCAL YEAR and EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TMNVIOL	FED FISCAL YEAR and EXTERNAL SYS NUM

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:**           **Actions**

**Root Element:**       <ActionsDataFlow>

**Schema File Name:** SDWA\_DataFlowActions\_v2

**Object Name**         Enforcement Action

**Object Tag:**         <Enforcements><EnforcementDetails>

**Schema File Name** SDWA\_Enforcement\_v2

---

<i>Element Name</i>	<i>XML Schema Tag</i>
ASSOCIATED SCHEDULE IDS	<AssociatedScheduleIdentifier>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	SEQUENCE NUMBER
<i>Table / Column</i> TENSCHD (Future Implementation)	SEQUENCE NUMBER
REPORTING DATE	<EnforcementReportingDate>
<i>Entity / Attribute</i> ENFORCEMENT ACTION	D LAST UPDATE TIMESTAMP
<i>Table / Column</i> TENENACT	D LAST UPDT TS

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:**                **Actions**

**Root Element:**        <ActionsDataFlow>

**Schema File Name:**   **SDWA\_DataFlowActions\_v2**

**Object Name**            *Event Schedule*

**Object Tag:**            <EventSchedules><EventSchedulesDetails>

**Schema File Name**    *SDWA\_EventSchedule\_v2*

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
EVENT SCHEDULE ID	<EventScheduleIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM (for milestones) , COMPLIANCE SCHEDULE	NUMBER (for milestones) , SEQUENCE NUMBER
<i>Table / Column</i> TINWSYS (for milestones), TENSCHD	NUMBER0 (for milestones), SEQUENCE NUMBER
REGULATING AGENCY	<EventScheduleRegulatingAgencyText>
<i>Entity / Attribute</i> LEGAL ENTITY	NAME ?
<i>Table / Column</i> TINLGENT	NAME
SCHEDULE RULE CODE	<EventScheduleRuleCode>
<i>Entity / Attribute</i> RULE	ABBREVIATION TEXT ?
<i>Table / Column</i> For milestones, set to "Lead", TMNRULE	ABBREVIATION TEXT
EFFECTIVE DATE	<EventScheduleEffectiveDate>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	EFFECTIVE DATE
<i>Table / Column</i> TFRMEVNT (for milestones), TENSCHD	STATUS_DATE(for milestones), EFFECTIVE DATE
CLOSE DATE	<EventScheduleCloseDate>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	CLOSED DATE
<i>Table / Column</i> TFRMEVNT (for milestones), TENSCHD	END_DATE (for milestones), CLOSED DATE

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# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:**                **Actions**

**Root Element:**        <ActionsDataFlow>

**Schema File Name:**   **SDWA\_DataFlowActions\_v2**

**Object Name**            *Event Schedule*

**Object Tag:**            <EventSchedules><EventSchedulesDetails>

**Schema File Name**   *SDWA\_EventSchedule\_v2*

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<i>Element Name</i>	<i>XML Schema Tag</i>
SCHEDULE STATUS	<EventScheduleStatusCode>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	STATUS CODE
<i>Table / Column</i> Set to "F" for milestones, TENSCHD	Set to "F" for milestones, STATUS CODE
REPORTING DATE	<EventScheduleReportingDate>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	D LAST UPDATE TIMESTAMP
<i>Table / Column</i> TINWSYS (for milestones), TENSCHD	D_LAST_UPDT_TS, D_LAST_UPDT_TS

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:**           **Actions**

**Root Element:**       <ActionsDataFlow>

**Schema File Name:** **SDWA\_DataFlowActions\_v2**

**Object Name**         *Event Schedule Activity*

**Object Tag:**         <EventScheduleActivities><EventScheduleActivityDetails>

**Schema File Name**   SDWA\_EventScheduleActivity\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
EVENT SCHEDULE ID	<EventScheduleIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM, COMPLIANCE SCHEDULE	NUMBER, SEQUENCE NUMBER
<i>Table / Column</i> TINWSYS (for milestones), TENSCHD	NUMBER0 (for milestones), SEQUENCE NUMBER
EVENT SCHEDULE ACTIVITY ID	<EventScheduleActivityIdentifier>
<i>Entity / Attribute</i> MILESTONE EVENT	
<i>Table / Column</i> TFRMEVNT	IS_NUMBER
ACTIVITY TYPE CODE	<EventActivityCode>
<i>Entity / Attribute</i> MILESTONE EVENT	TYPE_CODE, NAME
<i>Table / Column</i> TFRMEVNT, TENACTYP	TYPE_CODE, NAME
ACTIVITY ACHIEVE DATE	<EventActivityAchieveDate>
<i>Entity / Attribute</i> MILESTONE EVENT, SCHEDULE ACTIVITY	END_DATE, ACHIEVED DATE
<i>Table / Column</i> TFRMEVNT (for milestone), TENSCHAT	END_DATE (for milestone), ACHIEVED DATE
ACTIVITY DUE DATE	<EventActivityDueDate>
<i>Entity / Attribute</i> MILESTONE EVENT, SCHEDULE ACTIVITY	ACTUAL DATE DUE DATE
<i>Table / Column</i> TFRMEVNT (for milestone), TENSCHAT	ACTUAL_DATE (for milestone), DUE DATE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:**                **Actions**

**Root Element:**        <ActionsDataFlow>

**Schema File Name:**   **SDWA\_DataFlowActions\_v2**

**Object Name**            *Event Schedule Activity*

**Object Tag:**            <EventScheduleActivities><EventScheduleActivityDetails>

**Schema File Name**   *SDWA\_EventScheduleActivity\_v2*

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<i>Element Name</i>	<i>XML Schema Tag</i>
REASON CODE	<EventActivityReasonCode>
<i>Entity / Attribute</i> MILESTONE EVENT	REASON_CODE
<i>Table / Column</i> TFRMEVNT (for milestone),	REASON_CODE
ACTIVITY COMMENT	<EventActivityCommentText>
<i>Entity / Attribute</i> MILESTONE EVENT, SCHEDULE ACTIVITY	COMMENT TEXT, COMMENT TEXT
<i>Table / Column</i> TFRMEVNT (for milestone), TENSCHAT	COMMENT TEXT, COMMENT TEXT

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:**           **Actions**  
**Root Element:**       <ActionsDataFlow>  
**Schema File Name:** SDWA\_DataFlowActions\_v2  
  
**Object Name**         Site Visit  
**Object Tag:**         <SiteVisits><SiteVisitDetails>  
**Schema File Name** SDWA\_SiteVisit\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
VISIT ID	<VisitIdentifier>
<i>Entity / Attribute</i> SITE VISIT	EXTERNAL SYSTEM NUMBER
<i>Table / Column</i> TINVISIT	EXTERNAL SYS NUM
VISIT DATE	<VisitDate>
<i>Entity / Attribute</i> SITE VISIT	VISIT DATE
<i>Table / Column</i> TINVISIT	VISIT DATE
VISIT REASON	<VisitReasonCode>
<i>Entity / Attribute</i> SITE VISIT	REASON CODE
<i>Table / Column</i> TINVISIT	REASON CD
VISIT AGENCY TYPE	<VisitAgencyCode>
<i>Entity / Attribute</i> GOVERNMENT AGENCY	EPA will provide a translation table from TYPE CODE.
<i>Table / Column</i> TINGOVAG	EPA will provide a translation table from TYPE CODE.
CATEGORY EVALUATION MANAGEMENT AND OPERATIONS	<VisitCategoryEvaluations><ManagementOperations>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT WS MGT OPS
<i>Table / Column</i> TINVISIT	SS EL WS MGT OPS
CATEGORY EVALUATION SOURCE	<VisitCategoryEvaluations><Source>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT SOURCE
<i>Table / Column</i> TINVISIT	SS EL SOURCE

# Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database

**Data Flow:**           **Actions**  
**Root Element:**       <ActionsDataFlow>  
**Schema File Name:** SDWA\_DataFlowActions\_v2  
  
**Object Name**         Site Visit  
**Object Tag:**         <SiteVisits><SiteVisitDetails>  
**Schema File Name** SDWA\_SiteVisit\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
CATEGORY EVALUATION SECURITY	<VisitCategoryEvaluations><Security>
<i>Entity / Attribute</i>	
<i>Table / Column</i> Future Implementation	Future Implementation
CATEGORY EVALUATION PUMPS	<VisitCategoryEvaluations><Pumps>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT PUMPS
<i>Table / Column</i> TINVISIT	SS EL PUMPS
CATEGORY EVALUATION OTHER	<VisitCategoryEvaluations><Other>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT OTHER
<i>Table / Column</i> TINVISIT	SS EL OTHER
CATEGORY EVALUATION OPERATOR COMPLIANCE	<VisitCategoryEvaluations><OperatorCompliance>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEM OPTR COMP EVAL
<i>Table / Column</i> TINVISIT	SS EL OP COMP EVAL
CATEGORY EVALUATION MONITORING REPORTING DATA VERIFICATION	<VisitCategoryEvaluations><MonReportDataVerification>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT MR AND DV
<i>Table / Column</i> TINVISIT	SS EL MR DV
CATEGORY EVALUATION TREATMENT	<VisitCategoryEvaluations><Treatment>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEMENT TREATMENT
<i>Table / Column</i> TINVISIT	SS EL TREATMENT
CATEGORY EVALUATION FINISHED WATER STORAGE	<VisitCategoryEvaluations><FinishedWaterStorage>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEM FIN WATER STORAG
<i>Table / Column</i> TINVISIT	SS EL FIN WTR STRG

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:**           **Actions**

**Root Element:**       <ActionsDataFlow>

**Schema File Name:** SDWA\_DataFlowActions\_v2

**Object Name**         *Site Visit*

**Object Tag:**         <SiteVisits><SiteVisitDetails>

**Schema File Name** SDWA\_SiteVisit\_v2

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<i>Element Name</i>	<i>XML Schema Tag</i>
CATEGORY EVALUATION DISTRIBUTION	<VisitCategoryEvaluations><Distribution>
<i>Entity / Attribute</i> SITE VISIT	SAN SURVEY ELEM DISTRIB SYSTEM
<i>Table / Column</i> TINVISIT	SS EL DISTRIB SYS
REPORTING DATE	<VisitReportingDate>
<i>Entity / Attribute</i> SITE VISIT	D LAST UPDATE TIMESTAMP
<i>Table / Column</i> TINVISIT	D LAST UPDT TS
ASSOCIATED SCHEDULE IDS	<AssociatedScheduleIdentifier>
<i>Entity / Attribute</i> COMPLIANCE SCHEDULE	SEQUENCE NUMBER
<i>Table / Column</i> TENSCHD (Future Implementation)	SEQUENCE NUMBER
SITE VISIT COMMENT	<VisitCommentText>
<i>Entity / Attribute</i> SITE VISIT	COMMENT TEXT
<i>Table / Column</i> TINVISIT	COMMENT TEXT

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Samples  
**Root Element:** <SamplesDataFlow>  
**Schema File Name:** SDWA\_DataFlowSamples\_v2  
**Object Name:** Sample  
**Object Tag:** <Samples><SampleDetails>  
**Schema File Name:** SDWA\_Sample\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
SAMPLE ID	<SampleIdentifier>
<i>Entity / Attribute</i> SAMPLE, SAMPLE_SUMMARY	TSASAMPL_ST_CODE and TSASAMPL_IS_NUMBER, TSASMPSTM_ST_CODE and TSASMPSTM_IS_NUMBER
<i>Table / Column</i> TSASAMPL and TSASMPSTM	TSASAMPL_ST_CODE and TSASAMPL_IS_NUMBER, TSASMPSTM_ST_CODE and TSASMPSTM_IS_NUMBER
FACILITY ID	<FacilityIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	EXTERNAL_SYSTEM_NUMBER
<i>Table / Column</i> TINWSF	EXTERNAL_SYS_NUM
SAMPLE BEGIN DATE	<SampleDate><MonitoringPeriod><MPBeginDate>
<i>Entity / Attribute</i> MONITORING PERIOD	COMPLIANCE PERIOD BEGIN DATE
<i>Table / Column</i> TMNMPRD	CP_PRD_BEGIN_DT
SAMPLE DATE	<SampleDate><MonitoringPeriod> <MPEndDate> and <SampleDate><CollectionDate>
<i>Entity / Attribute</i> SAMPLE, MONITORING PERIOD	COLLECTION END DATE, COMPLIANCE PERIOD END DATE
<i>Table / Column</i> TSASAMPL, TMNMPRD	COLLECTION END DT, CP_PRD_END_DT
SOURCE TYPE	<SampleFacilityWaterTypeCode>
<i>Entity / Attribute</i> WATER SYSTEM FACILITY	WATER TYPE CODE
<i>Table / Column</i> TINWSF	WATER TYPE CODE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Samples  
**Root Element:** <SamplesDataFlow>  
**Schema File Name:** SDWA\_DataFlowSamples\_v2  
**Object Name:** Sample  
**Object Tag:** <Samples><SampleDetails>  
**Schema File Name:** SDWA\_Sample\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
QTY COMPOSITED	<QtyComposited>
<i>Entity / Attribute</i>	
<i>Table / Column</i> Not Extracted	Not Extracted
SAMPLE TYPE	<SampleType><SampleWaterTreatmentCode>
<i>Entity / Attribute</i> SAMPLING POINT	SOURCE TYPE CODE
<i>Table / Column</i> TSASMPPT	SOURCE_TYPE_CODE
SAMPLING RECONCILIATION ID	<SampleReconciliationIdentifier>
<i>Entity / Attribute</i> N/A	N/A
<i>Table / Column</i> N/A	N/A
REPORTING DATE	<SampleReportingDate>
<i>Entity / Attribute</i> SAMPLE, SAMPLE SUMMARY	D LAST UPDT TS, D LAST UPDT TS
<i>Table / Column</i> TSASAMPL, TSASMPSM	D LAST UPDT TS, D LAST UPDT TS

# *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

**Data Flow:** Samples

**Root Element:** <SamplesDataFlow>

**Schema File Name:** SDWA\_DataFlowSamples\_v2

**Object Name:** Sample Result

**Object Tag:** <SampleResults><SampleResultDetails>

**Schema File Name:** SDWA\_SampleResult\_v2

<i>Element Name</i>	<i>XML Schema Tag</i>
PWS ID	<PWSIdentifier>
<i>Entity / Attribute</i> WATER SYSTEM	NUMBER
<i>Table / Column</i> TINWSYS	NUMBER0
SAMPLE ID	<SampleIdentifier>
<i>Entity / Attribute</i> SAMPLE, SAMPLE_SUMMARY	TSASAMPL_ST_CODE and TSASAMPL_IS_NUMBER, TSASMPSTM_ST_CODE and TSASMPSTM_IS_NUMBER,
<i>Table / Column</i> TSASAMLPL and TSASMPSTM	TSASAMPL_ST_CODE and TSASAMPL_IS_NUMBER, TSASMPSTM_ST_CODE and TSASMPSTM_IS_NUMBER
SAMPLE CONTAMINANT	<SampleContaminantCode>
<i>Entity / Attribute</i> ANALYTE	CODE
<i>Table / Column</i> TSAANLYT	CODE
SAMPLE ANALYSIS METHOD	<SampleAnalysisMethodCode>
<i>Entity / Attribute</i> STANDARD METHOD NUMBER	CODE
<i>Table / Column</i> TSASMN	CODE
SAMPLE RESULT SIGN	<SampleResultSignCode>
<i>Entity / Attribute</i> SAMPLE ANALYTICAL RESULT	LESS THAN INDICATOR ?
<i>Table / Column</i> TSASAR	LESS THAN IND
SAMPLE ANALYSIS RESULT	<SampleAnalysisResult>
<i>Entity / Attribute</i> SAMPLE ANALYTICAL RESULT, SAMPLE SUMMARY RESULT	CONCENTRATION MEASURE, MEASURE
<i>Table / Column</i> TSASAR, TSASSR	CONCENTRATION MSR, MEASURE

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## *Map SDWA Schema Tags to Elements and the SDWIS/STATE 8.0 Database*

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**Data Flow:** Samples

**Root Element:** <SamplesDataFlow>

**Schema File Name:** SDWA\_DataFlowSamples\_v2

**Object Name:** Sample Result

**Object Tag:** <SampleResults><SampleResultDetails>

**Schema File Name:** SDWA\_SampleResult\_v2

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<i>Element Name</i>	<i>XML Schema Tag</i>
UNIT OF MEASURE	<SampleUnitMeasureCode>
<i>Entity / Attribute</i> SAMPLE ANALYTICAL RESULT	UOM CODE
<i>Table / Column</i> TSASAR	UOM CODE

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