SortID	Element Name	Element Description	Element Type
Root	**WaDE**	**Root data element**	**Header**
1.0	**Organization**	**Header - Contains information about the authoritative organization that gathers, manages, and is responsible for the data reported**	**Header**
1.0.1	**OrganizationIdentifier**	A unique identifier assigned to the organization	string
1.0.2	**OrganizationName**	Organization name	string
1.0.3	**PurviewDescription**	A description of the purview of the agency (e.g. agency oversees water rights administration or water planning)	string
1.0.4	**WaDEURLAddress**	The base (root) URL that the state agency will use to host the WaDE web services, including trailing forward-slash	string
1.0.5	**Contact**	**Header - Contains organization's contact information**	**Header**
1.0.5.1	**FirstName**	First name of primary contact	string
1.0.5.2	**MiddleInitial**	Middle initial of primary contact	string
1.0.5.3	**LastName**	Last name of primary contact	string
1.0.5.4	**IndividualTitleText**	Title of primary contact	string
1.0.5.5	**EmailAddressText**	Email address of primary contact	string
1.0.5.6	**TelephoneNumberText**	Telephone number of primary contact	string
1.0.5.7	**PhoneExtensionText**	Telephone number extension of primary contact	string
1.0.5.8	**FaxNumberText**	Fax number of primary contact	string
1.0.5.9	**MailingAddress**	**Header - Contains organization or primary contact's address information**	**Header**
1.0.5.9.1	**MailingAddressText**	Mailing address for organization or primary contact	string
1.0.5.9.2	**SupplementalAddressText**	Supplemental address for organization or primary contact	string
1.0.5.9.3	**MailingAddressCityName**	City or locality of organization or primary contact	string
1.0.5.9.4	**MailingAddressStateUSPSCode**	State USPS Code for organization or primary contact (e.g. AZ or UT)	string
1.0.5.9.5	**MailingAddressCountryCode**	Country	string
1.0.5.9.6	**MailingAddressZIPCode**	Zipcode	string
1.0.6	**Report**	**Header - Contains a custom data product specific to the organization's adopted timeframe, generated when a user passes their desired parameters to the portal. User queries are organized and returned by report.**	**Header**
1.0.6.1	**ReportIdentifier**	A unique identifier assigned to the report by the organization (e.g. '2012Avail' for 2012 water availability estimates)	string
1.0.6.2	**ReportingDate**	Date on which the report was finalized (i.e., 'current as of' date)	Date
1.0.6.3	**ReportingYear**	Reporting year (calendar or water year) that is covered by the report	string
1.0.6.4	**ReportName**	If the report is named by the organization, this is the report's name	string
1.0.6.5	**ReportLink**	A link to a PDF or website with further information about this report	string
1.0.6.6	**YearType**	Report year type: a calendar year, water year. If left blank, the default is calendar year	string
1.0.6.7	**GeospatialReference**	**Header - Contains geospatial information relevant to the report**	**Header**
1.0.6.7.1	**WFSType**	**Header - Contains information about the web feature services (WFS) related to the data**	**Header**
1.0.6.7.1.1	**WFSDataCategory**	Describes whether the WFS portrays summary-level (aggregated water data) or detailed-level water data	string
1.0.6.7.1.2	**WFSTypeName**	Describes the WFS data-type portrayed (e.g. allocations, availability, diversions, uses, return flows, etc.)	string

1.0.6.7.1.3	WFSAddressLink	The WFS' uniform resource locator (URL) address where the geospatial data can be accessed/viewed	string
1.0.6.7.1.4	WFSFeatureIDFieldText	The column or field that contains a unique identifier for the features in the WFS (e.g. OBJECTID, FEATUREID fields)	string
1.0.6.8	**ReportingUnit**	**Header - Contains information for the geographic unit provided by the states that summarizes its related water data. Could be by county, HUC, or some other customized delineation**	**Header**
1.0.6.8.1	ReportingUnitIdentifier	A unique identifier assigned to the reporting unit by the organization	string
1.0.6.8.2	ReportingUnitName	Name of the reporting unit	string
1.0.6.8.3	ReportingUnitTypeName	The type of geospatial unit being used to summarize water data (e.g. county, HUC, custom delineation, etc.)	string
1.0.6.8.4	**Location**	**Header - Contains locational information for the reporting unit**	**Header**
1.0.6.8.4.1	StateCode	Two-digit code for the state abbreviation. Use the LU_STATE table to find the state code	string
1.0.6.8.4.2	CountyFipsCode	County FIPS code (including the state FIPS code) representing the county	string
1.0.6.8.4.3	HydrologicUnitCode	Code representing the USGS Hydrologic Unit (or HUC) at the most detailed level that the assignment can be made (6-digit being the lowest level of resolution allowed). Leading 0's should be included	string
1.0.6.8.5	**AvailabilitySummary**	**Header - Contains the estimated water availability summarized by the reporting unit**	**Header**
1.0.6.8.5.1	**WFSReference**	**Header - Contains the WFS feature reference for the availability estimate**	**Header**
1.0.6.8.5.1.1	WFSFeatureIdentifier	The feature ID reference number for the summary of availability WFS listed above	string
1.0.6.8.5.2	AvailabilityTypeName	The type of water available (e.g. physcially available surface water, legally available surface water, streamflow, groundwater, reused, reservoir storage, etc.) using the organization's categories for water availability	string
1.0.6.8.5.3	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.8.5.4	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.8.5.5	**AvailabilityEstimate**	**Header - Contains information regarding the estimate of the water availability for the given time frame as either acre-feet per year (AFY) or a metric with the relative availability**	**Header**
1.0.6.8.5.5.1	**AvailabilityAmount**	**Header - Contains information regarding the estimate of water availability for the reporting unit**	**Header**
1.0.6.8.5.5.1.1	AmountNumber	The water availability amount as reported, measured, calculated, or estimated in AFY	decimal
1.0.6.8.5.5.1.2	**Method**	**Header - Contains information about the method used to determine the calculation or estimate**	**Header**
1.0.6.8.5.5.1.2.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.8.5.5.1.2.2	MethodName	The name of the method being used	string
1.0.6.8.5.5.1.3	**TimeFrame**	**Header - Contains a time frame for the availability estimate**	**Header**
1.0.6.8.5.5.1.3.1	TimeFrameStartName	Starting date for the availability estimate. Report as MM/DD	string
1.0.6.8.5.5.1.3.2	TimeFrameEndName	Ending date for the availability estimate. Report as MM/DD	string
1.0.6.8.5.5.2	**AvailabilityMetric**	**Header - Contains information regarding the estimate of water availability for the reporting unit if the estimate uses a metric**	**Header**
1.0.6.8.5.5.2.1	MetricName	The organization's name for the metric	string
1.0.6.8.5.5.2.2	MetricValue	Value of the metric for this reporting unit. Higher numbers should indicate more availability, but may be reversed. Use the 'ScaleIndicator' data element below to indicate this case	decimal
1.0.6.8.5.5.2.3	MetricScaleNumber	Highest allowed value for the metric (e.g. '10' on a scale of 1-10)	decimal
1.0.6.8.5.5.2.4	ReverseScaleIndicator	This should be marked with a 'Y' if the scale is reversed (i.e. higher numbers indicate less availability)	string
1.0.6.8.5.5.2.5	**Method**	**Header - Contains information about the method used to determine the metric**	**Header**

1.0.6.8.5.5.2.5.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.8.5.5.2.5.2	MethodName	The name of the method being used	string
1.0.6.8.5.5.2.6	TimeFrame	Header - Contains a time frame for the availability estimate	Header
1.0.6.8.5.5.2.6.1	TimeFrameStartName	Starting date for the availability estimate. Report as MM/DD	string
1.0.6.8.5.5.2.6.2	TimeFrameEndName	Ending date for the availability estimate. Report as MM/DD	string
1.0.6.8.6	AllocationSummary	Header - Contains information for an annual summary of water allocated to various beneficial uses within the reporting unit	Header
1.0.6.8.6.1	AllocationUse	Header - Contains information about the beneficial use for different allocations reported within the reporting unit	Header
1.0.6.8.6.1.1	WFSReference	Header - Contains the WFS feature reference for the allocation estimates	Header
1.0.6.8.6.1.1.1	WFSFeatureIdentifier	The feature ID reference number for the summary of allocation WFS listed above	string
1.0.6.8.6.1.2	AllocationUseContext	The organization or state that utilizes this list of beneficial uses, usually the organization listed at the head of the report or the state	string
1.0.6.8.6.1.3	AllocationUseTypeName	Name of the benficial use category	string
1.0.6.8.6.1.4	AllocationAmountSummary	Header - Contains information regarding the amounts of water allocated for the particular use type in AFY	Header
1.0.6.8.6.1.4.1	AmountNumber	The water allocation amount as reported, measured, calculated, or estimated in AFY	decimal
1.0.6.8.6.1.4.2	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.8.6.1.4.3	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.8.6.1.4.4	PowerGeneratedNumber	For the beneficial use category of energy generation or industrial, the amount of energy generated (in megawatt/hours - MWh) during the reporting period	decimal
1.0.6.8.6.1.4.5	PopulationServedNumber	For the beneficial use category of municipal or community water uses, the population served by the water allocated to this use within the reporting unit	decimal
1.0.6.8.6.1.4.6	IrrigationWaterSupply	Header - Contains additional information regarding beneficial use categories for agricultural/institutional irrigation uses	Header
1.0.6.8.6.1.4.6.1	IrrigationMethodName	Name of the method used to irrigate (i.e. sprinkler, flood, microirrigation, etc.)	string
1.0.6.8.6.1.4.6.2	AcresIrrigatedNumber	Number of acres irrigated using this method	decimal
1.0.6.8.6.1.4.6.3	CropTypeName	Crop type being irrigated	string
1.0.6.8.7	WaterUseSummary	Header - Contains a summary of water use within the reporting unit	Header
1.0.6.8.7.1	WaterUse	Header - Contains information regarding the beneficial use category for the water use	Header
1.0.6.8.7.1.1	WFSReference	Header - Contains the WFS feature reference for the water use estimate	Header
1.0.6.8.7.1.1.1	WFSFeatureIdentifier	The feature ID reference number for the summary of use WFS listed above	string
1.0.6.8.7.1.2	WaterUseContext	The organization or state that utilizes this list of beneficial uses, usually the organization listed at the head of the report or the state	string
1.0.6.8.7.1.3	WaterUseTypeName	Name of the beneficial use	string
1.0.6.8.7.1.4	WaterUseAmountSummary	Header - Contains information regarding the summarized amount used for each beneficial use category for this reporting unit	Header
1.0.6.8.7.1.4.1	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.8.7.1.4.2	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.8.7.1.4.3	PowerGeneratedNumber	For the beneficial use category of energy generation or industrial, the amount of energy generated (in megawatt/hours - MWh) during the reporting period	decimal

1.0.6.8.7.1.4.4	PopulationServedNumber	For the beneficial use category of municipal or community water uses, the population served by the water allocated to this use within the reporting unit	decimal
1.0.6.8.7.1.4.5	**IrrigationWaterSupply**	**Header - Contains additional information regarding beneficial use categories for agricultural/institutional irrigation uses**	**Header**
1.0.6.8.7.1.4.5.1	IrrigationMethodName	Name of the method used to irrigate (i.e. sprinkler, flood, microirrigation, etc.)	string
1.0.6.8.7.1.4.5.2	AcresIrrigatedNumber	Number of acres irrigated using this method	decimal
1.0.6.8.7.1.4.5.3	CropTypeName	Crop type being irrigated	string
1.0.6.8.7.1.4.6	**WaterUseAmount**	**Header - Contains information for the amount of water used for each beneficial use category in the reporting unit**	**Header**
1.0.6.8.7.1.4.6.1	AmountNumber	The water use amount as reported, measured, calculated, or estimated in AFY	decimal
1.0.6.8.7.1.4.6.2	ConsumptiveIndicator	An indication of whether the reported amount represents a consumptive amount of water use (i.e. water the does not have a return flow to a waterbody or stream) or a water withdrawal (i.e. water diverted from the natural hydrologic system but returned later). 'Y' indicates that the amount is consumptive	string
1.0.6.8.7.1.4.6.3	**Method**	**Header - Contains information about the method used to determine the metric, calculation or estimate**	**Header**
1.0.6.8.7.1.4.6.3.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.8.7.1.4.6.3.2	MethodName	The name of the method being used	string
1.0.6.8.7.1.4.6.4	**TimeFrame**	**Header - Contains a time frame for the water use estimate**	**Header**
1.0.6.8.7.1.4.6.4.1	TimeFrameStartName	Starting date for the water use estimate. Report as MM/DD	string
1.0.6.8.7.1.4.6.4.2	TimeFrameEndName	Ending date for the water use estimate. Report as MM/DD	string
1.0.6.8.8	**DerivedWaterSupplySummary**	**Header - Contains information regarding a summarized physical/derived water supply estimate within the reporting unit**	**Header**
1.0.6.8.8.1	**DerivedWaterSupplyType**	**Header - Contains information for estimates of physical/derived water supply (e.g. estimates for hydrologic cycle inputs and outputs, as in a traditional water supply budget)**	**Header**
1.0.6.8.8.1.1	**WFSReference**	**Header - Contains the WFS feature reference for the physical/derived water supply estimate**	**Header**
1.0.6.8.8.1.1.1	WFSFeatureIdentifier	The feature ID reference number for the summary of the physical/derived water supply WFS listed above	string
1.0.6.8.8.1.2	WaterSupplyTypeName	Name of the water supply type (e.g. streamflow, reservoir storage, precipitation, aquifer storage, etc.)	string
1.0.6.8.8.1.3	**SupplyAmountSummary**	**Header - Contains information regarding the water supply summary in AFY for the reporting unit for the specified time frame**	**Header**
1.0.6.8.8.1.3.1	AmountNumber	The water supply amount as reported, measured, calculated, or estimated in AFY	decimal
1.0.6.8.8.1.3.2	**Method**	**Header - Contains information about the method used to determine the metric, calculation or estimate**	**Header**
1.0.6.8.8.1.3.2.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.8.8.1.3.2.2	MethodName	The name of the method being used	string
1.0.6.8.8.1.3.3	**TimeFrame**	**Header - Contains a time frame for the water supply estimate**	**Header**
1.0.6.8.8.1.3.3.1	TimeFrameStartName	Starting date for the water supply estimate. Report as MM/DD	string
1.0.6.8.8.1.3.3.2	TimeFrameEndName	Ending date for the water supply estimate. Report as MM/DD	string
1.0.6.8.9	**RegulatorySummary**	**Header - Contains information about a summarized regulatory status for the reporting unit**	**Header**
1.0.6.8.9.1	**RegulatoryType**	**Header - Contains information regarding the type of regulatory area within the reporting unit**	**Header**
1.0.6.8.9.1.1	**WFSReference**	**Header - Contains the WFS feature reference for the regulatory areas**	**Header**
1.0.6.8.9.1.1.1	WFSFeatureIdentifier	The feature ID reference number for the summary of the regulatory area WFS listed above	string
1.0.6.8.9.1.2	RegulatoryTypeName	Name of the type of restriction on surface water, groundwater, or re-use	string

1.0.6.8.9.1.3	RegulatoryStatusText	Description of the regulatory status in the reporting unit (i.e. open, closed, partial, etc.)	string
1.0.6.8.9.1.4	OversightAgencyName	Name of the special management district or oversight agency	string
1.0.6.8.9.1.5	RegulatoryDescriptionText	Description of the regulatory restriction	string
1.0.6.9	**ReportDetails**	**Header - Contains detailed, site specific, information on water allocations, diversions, uses, and return flows**	**Header**
1.0.6.9.1	**WaterAllocation**	**Header - Contains information regarding allocations, water rights, or water permits given to specific entities or persons**	**Header**
1.0.6.9.1.1	AllocationIdentifier	Unique identifier for the allocation	string
1.0.6.9.1.2	AllocationOwnerName	Name of the owner of the allocation	string
1.0.6.9.1.3	ApplicationDate	The application date of the allocation, water right, or permit	Date
1.0.6.9.1.4	PriorityDate	The priority date of the allocation, water right, or permit	Date
1.0.6.9.1.5	EndDate	For temporary allocations, water rights, or permits, the end date	Date
1.0.6.9.1.6	LegalStatusCode	The legal status of the allocation (e.g. proven right, perfected, or being adjudicated, etc.)	string
1.0.6.9.1.7	**DetailLocation**	**Header - Contains locational information for the allocation, water right or permit**	**Header**
1.0.6.9.1.7.1	StateCode	Two-digit code for the state abbreviation. Use the LU_STATE table to find this state code	string
1.0.6.9.1.7.2	ReportingUnitIdentifier	Code for a custom geospatial unit used by the reporting organization	string
1.0.6.9.1.7.3	CountyFipsCode	County FIPS code (including the state FIPS code) representing the county	string
1.0.6.9.1.7.4	HydrologicUnitCode	Code representing the USGS Hydrologic Unit (or HUC) at the most detailed level that the assignment can be made (6-digit being the lowest level of resolution allowed). Leading 0's should be included	string
1.0.6.9.1.7.5	**WFSReference**	**Header - Contains the WFS feature reference for the allocations**	**Header**
1.0.6.9.1.7.5.1	WFSFeatureIdentifier	The feature ID reference number for the allocation WFS listed above	string
1.0.6.9.1.8	**AllocationAmount**	**Header - Contains information regarding the amount of water for the whole/entire allocation (e.g. some allocations have multiple diversions). If an allocation has multiple diversions associated with it, then report the total amount allocated at this level. Report each individual diversion's allocation in the 'Diversion' section below.**	**Header**
1.0.6.9.1.8.1	**WaterAllocated**	**Header - Contains more information about the uses and amount allocated within a specific allocation**	**Header**
1.0.6.9.1.8.1.1	**BeneficialUse**	**Header - Contains information regarding the beneficial use category of the specific allocation**	**Header**
1.0.6.9.1.8.1.1.1	BeneficialUseContext	The organization or state that utilizes this list of beneficial uses, usually the organization listed at the head of the report or the state	**string**
1.0.6.9.1.8.1.1.2	BeneficialUseTypeName	Name of the beneficial use	string
1.0.6.9.1.8.1.2	**AllocatedVolume**	**Header - Contains amount of water allocated when a volume is used for a specific timeframe or can be used in tandem with flow below as a cap (e.g. allocation for 40cfs with a cap of 40AFY)**	**Header**
1.0.6.9.1.8.1.2.1	AmountNumber	The allocated amount	decimal
1.0.6.9.1.8.1.2.2	AmountUnitsCode	Unit of measure for volume	string
1.0.6.9.1.8.1.3	**AllocatedRate**	**Header - Contains amount of water allocated when a flowrate is used for a specific timeframe**	**Header**
1.0.6.9.1.8.1.3.1	AmountNumber	The allocated amount	decimal
1.0.6.9.1.8.1.3.2	AmountUnitsCode	Unit of measure for flowrate	string
1.0.6.9.1.8.1.4	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.9.1.8.1.5	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.9.1.8.1.6	**TimeFrame**	**Header - Contains the time frame for withdrawals specified by the allocation**	**Header**
1.0.6.9.1.8.1.6.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string

1.0.6.9.1.8.1.6.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string
1.0.6.9.1.8.1.7	SourceName	Name of the aquifer for groundwater sources or river basin/stream for surface water sources	string
1.0.6.9.1.8.1.8	**ActualAmount**	**Header - Contains information for the total, actual amount withdrawn for the allocation, water right, or water permit for the timeframe specified above (the total actually withdrawn from one diversion structure or multiple diversion structures).**	**Header**
1.0.6.9.1.8.1.8.1	**ActualVolume**	**Header - Contains quantity information for the actual volume of water diverted for the allocation**	**Header**
1.0.6.9.1.8.1.8.1.1	ActualAmountNumber	The whole/total actual volume of water withdrawn for this allocation for the given report	decimal
1.0.6.9.1.8.1.8.1.2	ActualAmountUnitsCode	Unit of measure for volume	string
1.0.6.9.1.8.1.8.1.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.8.1.8.1.4	**Method**	**Header - Contains information regarding the method used to detetermine the total/whole volume of water actually withdrawn for the allocation**	**Header**
1.0.6.9.1.8.1.8.1.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.8.1.8.1.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.8.1.8.2	**ActualRate**	**Header - Contains quantity information for the actual flowrate of water diverted for the allocation**	**Header**
1.0.6.9.1.8.1.8.2.1	ActualAmountNumber	The whole/total actual flowrate of water withdrawn for this allocation for the given report	decimal
1.0.6.9.1.8.1.8.2.2	ActualAmountUnitsCode	Unit of measure for flowrate	string
1.0.6.9.1.8.1.8.2.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.8.1.8.2.4	**Method**	**Header - Contains information regarding the method used to detetermine the total/whole flow of water actually withdrawn for the allocation**	**Header**
1.0.6.9.1.8.1.8.2.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.8.1.8.2.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.8.1.8.3	**TimeFrame**	**Header - Contains the actual time frame for withdrawals**	**Header**
1.0.6.9.1.8.1.8.3.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string
1.0.6.9.1.8.1.8.3.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string
1.0.6.9.1.9	**Diversion**	**Header - Contains information regarding the diversions associated with the allocation**	**Header**
1.0.6.9.1.9.1	DiversionIdentifier	Unique identifier for the diversion within the allocation	string
1.0.6.9.1.9.2	DiversionName	Name of the diversion	string
1.0.6.9.1.9.3	**DetailLocation**	**Header - Contains locational information for the diversion**	**Header**
1.0.6.9.1.9.3.1	StateCode	Two-digit code for the state abbreviation. Use the LU_STATE table to find this state code	string
1.0.6.9.1.9.3.2	ReportingUnitIdentifier	Code for a custom geospatial unit used by the reporting organization	string
1.0.6.9.1.9.3.3	CountyFipsCode	County FIPS code (including the state FIPS code) representing the county	string
1.0.6.9.1.9.3.4	HydrologicUnitCode	Code representing the USGS Hydrologic Unit (or HUC) at the most detailed level that the assignment can be made (6-digit being the lowest level of resolution allowed). Leading 0's should be included	string
1.0.6.9.1.9.3.5	**WFSReference**	**Header - Contains the WFS feature reference for the diversion**	**Header**
1.0.6.9.1.9.3.5.1	WFSFeatureIdentifier	The feature ID reference number for the diversions WFS listed above	string
1.0.6.9.1.9.4	**DiversionAmount**	**Header - Contains information regarding the water diversions within or associated with the water allocation. If an allocation has multiple diversions, enter each diversion's specific amount into this data element section. Afterward, tally the diversions' total in the 'Allocation' section above. If the allocation has no diversion, as in an instream flow, leave the 'Diversion' section blank.**	**Header**
1.0.6.9.1.9.4.1	**WaterAllocated**	**Header - Contains additional allocation information for each specific diversion**	**Header**

1.0.6.9.1.9.4.1.1	BeneficialUse	Header - Contains information for the beneficial use designated to the specific diversion (Can also be specified at the 'Allocation' level above)	Header
1.0.6.9.1.9.4.1.1.1	BeneficialUseContext	The organization or state that utilizes this list of beneficial uses, usually the organization listed at the head of the report or the state	**string**
1.0.6.9.1.9.4.1.1.2	BeneficialUseTypeName	Name of the beneficial use	string
1.0.6.9.1.9.4.1.2	AllocatedVolume	Header - Contains information regarding the amount of water allocated to each individual diversion when a volume is used for a specific timeframe or can be used in tandem with flow below as a cap (e.g. allocation for 40cfs with a cap of 40AFY)	Header
1.0.6.9.1.9.4.1.2.1	AmountNumber	The volume of the amount of water allocated to the diversion	decimal
1.0.6.9.1.9.4.1.2.2	AmountUnitsCode	Unit of measure for volume	string
1.0.6.9.1.9.4.1.3	AllocatedRate	Header - Contains the amount of water withdrawn for this diversion when a rate is used	Header
1.0.6.9.1.9.4.1.3.1	AmountNumber	The flowrate of the amount of water allocated to the diversion	decimal
1.0.6.9.1.9.4.1.3.2	AmountUnitsCode	Unit of measure for flowrate	string
1.0.6.9.1.9.4.1.4	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.9.1.9.4.1.5	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.9.1.9.4.1.6	TimeFrame	Header - Contains the time frame for withdrawals specific to the diversion	Header
1.0.6.9.1.9.4.1.6.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string
1.0.6.9.1.9.4.1.6.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string
1.0.6.9.1.9.4.1.7	SourceName	Name of the aquifer for groundwater sources or river basin/stream for surface water sources	string
1.0.6.9.1.9.4.1.8	ActualFlow	Header - Contains information regarding the actual amount of water withdrawn at the diversion for a specific timeframe	Header
1.0.6.9.1.9.4.1.8.1	ActualVolume	Header - Contains information regarding the amount of water withdrawn for the diversion	Header
1.0.6.9.1.9.4.1.8.1.1	ActualAmountNumber	The volume of the amount of water withdrawn at the diversion	decimal
1.0.6.9.1.9.4.1.8.1.2	ActualAmountUnitsCode	Unit of measure for volume	string
1.0.6.9.1.9.4.1.8.1.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.9.4.1.8.1.4	Method	Header - Contains information regarding the method used to determine the withdrawal	Header
1.0.6.9.1.9.4.1.8.1.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.9.4.1.8.1.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.9.4.1.8.2	ActualRate	Header - Contains information regarding the actual rate of water withdrawn for the diversion	Header
1.0.6.9.1.9.4.1.8.2.1	ActualAmountNumber	The flowrate of the amount of water withdrawn at the diversion	decimal
1.0.6.9.1.9.4.1.8.2.2	ActualAmountUnitsCode	Unit of measure for flowrate	string
1.0.6.9.1.9.4.1.8.2.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.9.4.1.8.2.4	Method	Header - Contains information regarding the method used to determine the withdrawal	Header
1.0.6.9.1.9.4.1.8.2.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.9.4.1.8.2.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.9.4.1.8.3	TimeFrame	Header - Contains the actual time frame for withdrawals specific to the diversion	Header
1.0.6.9.1.9.4.1.8.3.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string
1.0.6.9.1.9.4.1.8.3.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string
1.0.6.9.1.10	ConsumptiveUse	Header - Contains information about the consumptive use related to the allocation/diversion	Header
1.0.6.9.1.10.1	UserIdentifier	A unique identifier for the water user	string

1.0.6.9.1.10.2	UserName	The name of the water user	string
1.0.6.9.1.10.3	**DetailLocation**	**Header - Contains location information for the detailed use**	**Header**
1.0.6.9.1.10.3.1	StateCode	Two-digit code for the state abbreviation. Use the LU_STATE table to find this state code	string
1.0.6.9.1.10.3.2	ReportingUnitIdentifier	Code for a custom geospatial unit used by the reporting organization	string
1.0.6.9.1.10.3.3	CountyFipsCode	County FIPS code (including the state FIPS code) representing the county	string
1.0.6.9.1.10.3.4	HydrologicUnitCode	Code representing the USGS Hydrologic Unit (or HUC) at the most detailed level that the assignment can be made (6-digit being the lowest level of resolution allowed). Leading 0's should be included	string
1.0.6.9.1.10.3.5	**WFSReference**	**Header - Contains the WFS feature reference for the use**	**Header**
1.0.6.9.1.10.3.5.1	WFSFeatureIdentifier	The feature ID reference number for the uses WFS listed above	string
1.0.6.9.1.10.4	**UseEstimate**	**Header - Contains additional information regarding each water use related to the allocation/diversion**	**Header**
1.0.6.9.1.10.4.1	BeneficialUseContext	The organization or state that utilizes this list of beneficial uses, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.10.4.2	BeneficialUseTypeName	Name of the beneficial use	string
1.0.6.9.1.10.4.3	**UseAmount**	**Header - Contains information regarding the the type and amount of water used related to the allocation/diversion**	**Header**
1.0.6.9.1.10.4.3.1	SourceTypeName	The code for the source type (e.g. surface water, groundwater, recycled water, etc.). Use LU_SOURCE_TYPE table to list the text	string
1.0.6.9.1.10.4.3.2	FreshSalineIndicator	The code for whether the source is fresh water, saline water, or represents the total of both. Use LU_FRESH_SALINE_INDICATOR table to list text	string
1.0.6.9.1.10.4.3.3	SourceName	Name of the aquifer for groundwater sources or river basin/stream for surface water sources	string
1.0.6.9.1.10.4.3.4	**CommunityWaterSupply**	**Header - Contains additional information regarding municipal/community water supply uses**	**Header**
1.0.6.9.1.10.4.3.4.1	TotalPopulationServedNumber	Population served by the municipal/community water supply	integer
1.0.6.9.1.10.4.3.4.2	CommunityWaterSupplyName	Name of the community	string
1.0.6.9.1.10.4.3.5	**IrrigationWaterSupply**	**Header - Contains additional information regarding irrigation water supply uses**	**Header**
1.0.6.9.1.10.4.3.5.1	IrrigationMethodName	Name of the method used to irrigate (i.e. sprinkler, flood, microirrigation, etc.)	string
1.0.6.9.1.10.4.3.5.2	AcresIrrigatedNumber	Number of acres irrigated using this method	decimal
1.0.6.9.1.10.4.3.5.3	CropTypeName	Crop type being irrigated	string
1.0.6.9.1.10.4.3.6	**ThermoElectricWaterSupply**	**Header - Contains additional information regarding energy generation/industrial uses**	**Header**
1.0.6.9.1.10.4.3.6.1	GeneratorTypeName	The type of generator used to create electricity (e.g. coal-fired once-through power plant, natural gas combined cyle, solar photo-voltaic, etc.)	string
1.0.6.9.1.10.4.3.6.2	PowerCapacityNumber	Power capacity of the facility in MegaWatts MW	decimal
1.0.6.9.1.10.4.3.7	**UseVolume**	**Header - Contains information about the actual volume of water consumptively used (not returning to a receiving stream)**	**Header**
1.0.6.9.1.10.4.3.7.1	AmountNumber	The volume of water consumptively used	decimal
1.0.6.9.1.10.4.3.7.2	AmountUnitsCode	Unit of measure in volume	string
1.0.6.9.1.10.4.3.7.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.10.4.3.7.4	**Method**	**Header - Contains information regarding the method used to determine the use**	**Header**
1.0.6.9.1.10.4.3.7.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.10.4.3.7.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.10.4.3.7.5	**TimeFrame**	**Header - Contains the actual time frame for uses specific to the allocation/diversion**	**Header**
1.0.6.9.1.10.4.3.7.5.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string
1.0.6.9.1.10.4.3.7.5.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string

1.0.6.9.1.11	ReturnFlow	Header - Contains information regarding the amount and location of water returned to a streambed or water body	Header
1.0.6.9.1.11.1	ReturnFlowIdentifier	Unique identifier for the return flow	string
1.0.6.9.1.11.2	ReturnFlowName	Name for the return flow	string
1.0.6.9.1.11.3	DetailLocation	Header - Contains location information for the detailed return flow	Header
1.0.6.9.1.11.3.1	StateCode	Two-digit code for the state abbreviation. Use the LU_STATE table to find this state code	string
1.0.6.9.1.11.3.2	ReportingUnitIdentifier	Code for a custom geospatial unit used by the reporting organization	string
1.0.6.9.1.11.3.3	CountyFipsCode	County FIPS code (including the state FIPS code) representing the county	string
1.0.6.9.1.11.3.4	HydrologicUnitCode	Code representing the USGS Hydrologic Unit (or HUC) at the most detailed level that the assignment can be made (6-digit being the lowest level of resolution allowed). Leading 0's should be included	string
1.0.6.9.1.11.3.5	WFSReference	Header - Contains the WFS feature reference for the return flow	Header
1.0.6.9.1.11.3.5.1	WFSFeatureIdentifier	The feature ID reference number for the uses WFS listed above	string
1.0.6.9.1.11.4	ReturnFlowAmount	Header - Contains information regarding the amount of water returned for this allocation/diversion	Header
1.0.6.9.1.11.4.1	ReturnVolume	Header - Contains information regarding the volume of water returned for this allocation/diversion	Header
1.0.6.9.1.11.4.1.1	AmountNumber	The volume of water returned to a stream or waterbody	decimal
1.0.6.9.1.11.4.1.2	AmountUnitsCode	Unit of measure in volume	string
1.0.6.9.1.11.4.1.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.11.4.1.4	Method	Header - Contains information regarding the method used to determine the return flow volume	Header
1.0.6.9.1.11.4.1.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.11.4.1.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.11.4.2	ReturnRate	Header - Contains information regarding the rate of water returned for this allocation/diversion	Header
1.0.6.9.1.11.4.2.1	AmountNumber	The flowrate of water returned to a stream or waterbody	decimal
1.0.6.9.1.11.4.2.2	AmountUnitsCode	Unit of measure in flowrate	string
1.0.6.9.1.11.4.2.3	ValueTypeCode	Indicator of how the actual amount was determined (e.g., calculated, measured, estimated, or reported, etc.)	string
1.0.6.9.1.11.4.2.4	Method	Header - Contains information regarding the method used to determine the return flow flowrate	Header
1.0.6.9.1.11.4.2.4.1	MethodContext	The organization that uses this method, usually the organization listed at the head of the report or the state	string
1.0.6.9.1.11.4.2.4.2	MethodName	The name of the method being used	string
1.0.6.9.1.11.4.2.5	TimeFrame	Header - Contains the actual time frame for return flow specific to the allocation/diversion	Header
1.0.6.9.1.11.4.2.5.1	TimeFrameStartName	Starting date for the allocation. Report as MM/DD	string
1.0.6.9.1.11.4.2.5.2	TimeFrameEndName	Ending date for the allocation. Report as MM/DD	string