

1.0 Organization	Organization responsible for the data reported.
1.0.1 Organization Identifier	A unique identifier assigned to the organization
1.0.2 Organization Name	Name corresponding to unique organization ID (i.e. Utah Division of Water Resources)
1.0.3 Purview Description	A description of the purview of the agency (i.e. oversees planning or regulatory functions, etc.)
1.0.4 Contact	Organization Contact Information
1.0.4.1 First Name	First name of contact
1.0.4.2 Middle Initial	Middle Initial of contact
1.0.4.3 Last Name	Last name of a contact
1.0.4.4 Individual Title	Title or position description of the contact person
1.0.4.5 Email Address	Email address data
1.0.4.6 Telephone Number	Telephone Number data
1.0.4.7 Phone Extension	Telephone number extension
1.0.4.8 Fax Number	Fax Number
1.0.4.9 Mailing Address	Mailing address information
1.0.4.9.1 Mailing Address	Mailing Address
1.0.4.9.2 Supplemental Address	Additional Address Information
1.0.4.9.3 Mailing Address City Name	City or Locality Name
1.0.4.9.4 Mailing Address State USPS Code	State USPS Code (i.e. KS)
1.0.4.9.5 Mailing Address Country Code	Country Name
1.0.4.9.6 Mailing Address ZIP Code	Zip Code
1.0.5 Report	A custom data product generated when a user passes their desired parameters to the portal, queries are organized and returned by report
1.0.5.1 Report Identifier	A unique identifier assigned to the report
1.0.5.2 Reporting Date	Date on which the report was created
1.0.5.3 Reporting Year	Calendar/water year represented by data within a given report
1.0.5.4 Reporting Unit	A geographic unit provided by the states that provides a summary of its related water data. Can include counties, HUCs, groundwater management, or other administrative basin
1.0.5.4.1 Reporting Unit Identifier	A unique identifier assigned to the reporting unit
1.0.5.4.2 Reporting Unit Name	Name of the reporting unit
1.0.5.4.3 Reporting Unit Type	The type of unit being represented (i.e. county, HUC, water district, user-defined boundary, etc.)
1.0.5.4.4 Location	The location of the reporting unit
1.0.5.4.4.1 State Code	Code representing the two-digit abbreviation for the state
1.0.5.4.4.2 County FIPS Code	County FIPS code (including the state FIPS code) representing the county
1.0.5.4.4.3 Hydrologic Unit Code	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.
1.0.5.4.4.4 Geographic Location	A geographic data object that contains the point, line or polygon that describes the reporting unit
1.0.5.4.4.4.1 Geographic Identifier	A unique identifier tied to the spatial feature above

1.0.5.4.5 Availability Summary	Summary of water availability within the reporting unit
1.0.5.4.5.1 Availability Source Type	The source type of water available (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.4.5.2 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.4.5.3 Timeframe	Timeframe for water availability estimate (annual, monthly, etc.)
1.0.5.4.5.4 Availability Estimate	Estimate of water availability for the given time frame as either a volumetric quantity or a relative metric
1.0.5.4.5.4.1 Availability Amount	Volume of water available in this reporting unit
1.0.5.4.5.4.1.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.4.5.4.1.2 Amount Unit	Unit of measure
1.0.5.4.5.4.1.3 Method	Method used to determine the metric, calculation or estimate
1.0.5.4.5.4.1.3.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.4.5.4.1.3.2 Method Name	The name of the method used
1.0.5.4.5.4.2 Availability Metric	Metric measuring relative availability of water within this reporting unit
1.0.5.4.5.4.2.1 Metric Name	Name of the metric
1.0.5.4.5.4.2.2 Metric Value	Value of the metric for this reporting unit. Higher numbers should indicate greater availability
1.0.5.4.5.4.2.3 Metric Scale Number	Highest allowed value for the metric (i.e. '10' on a scale of 1-10)
1.0.5.4.5.4.2.4 Reverse Scale Indicator	This should be marked with a 'Y' if the scale is reversed (i.e. higher numbers indicate less availability)
1.0.5.4.5.4.2.5 Method	Method used to determine the metric, calculation or estimate.
1.0.5.4.5.4.2.5.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.4.5.4.2.5.2 Method Name	The name of the method used
1.0.5.4.6 Allocation Summary	Annual summary of water allocations within the reporting unit
1.0.5.4.6.1 Allocation Use	Beneficial use for which the water is allocated
1.0.5.4.6.1.1 Allocation Use Context	Owner for the use type (i.e. state abbreviation)
1.0.5.4.6.1.2 Allocation Use Type	Name of the beneficial use
1.0.5.4.6.1.3 Allocation Amount Summary	Summary amount allocated to each allocation use type
1.0.5.4.6.1.3.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.4.6.1.3.2 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.4.6.1.3.3 Allocation Source Type	The source type of water allocated (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.4.6.1.3.4 Power Generated	For thermoelectric energy uses, the amount of thermoelectric power generated (in megawatt/hours) during the reporting period
1.0.5.4.6.1.3.5 Population Served	For municipal uses, the population served within this reporting unit
1.0.5.4.6.1.3.6 Irrigation Water Supply	Additional metadata for irrigation water supply uses

1.0.5.4.6.1.3.6.1 Irrigation Method	Name of the method used to irrigate (i.e. sprinkler, flood, micro-irrigation, etc.)
1.0.5.4.6.1.3.6.2 Acres Irrigated	Number of acres irrigated using this method.\
1.0.5.4.6.1.3.6.3 Crop Type	Crop type being irrigated
1.0.5.4.7 Water Use Summary	Annual summary of water use within the reporting unit
1.0.5.4.7.1 Water Use	Beneficial use for which the water was used
1.0.5.4.7.1.1 Water Use Context	Owner for the use type (i.e. state abbreviation)
1.0.5.4.7.1.2 Water Use Type Name	Name of the beneficial use
1.0.5.4.7.1.3 Water Use Amount Summary	Summary amount used for each use type
1.0.5.4.7.1.3.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.4.7.1.3.2 Consumptive Indicator	An indication of whether the reported amount represents a consumptive amount or a withdrawn amount
1.0.5.4.7.1.3.3 Method	Method used to determine the metric, calculation or estimate
1.0.5.4.7.1.3.3.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.4.7.1.3.3.2 Method Name	The name of the method used
1.0.5.4.7.1.3.4 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.4.7.1.3.5 Water Use Source Type	The source type of water used (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.4.7.1.3.6 Power Generated	For thermoelectric energy uses, the amount of thermoelectric power generated (in megawatt/hours) during the reporting period
1.0.5.4.7.1.3.7 Population Served	For municipal uses, the population served within this reporting unit
1.0.5.4.7.1.3.8 Irrigation Water Supply	Additional metadata for irrigation water supply uses
1.0.5.4.7.1.3.8.1 Irrigation Method	Name of the method used to irrigate (i.e. sprinkler, flood, micro-irrigation, etc.)
1.0.5.4.7.1.3.8.2 Acres Irrigated	Number of acres irrigated using this method
1.0.5.4.7.1.3.8.3 Crop Type Name	Crop type being irrigated
1.0.5.4.8 Derived Water Supply Summary	Summary of derived water supply within the reporting unit for the reporting year
1.0.5.4.8.1 Derived Water Supply Type	Water Supply Type
1.0.5.4.8.1.1 Water Supply Type	Name of the water supply type (i.e. flow, storage, etc.)
1.0.5.4.8.1.2 Water Supply Amount	Amount of water supply for the reported type
1.0.5.4.8.1.3 Method	Method used to determine the metric, calculation or estimate
1.0.5.4.8.1.3.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.4.8.1.3.2 Method Name	The name of the method used
1.0.5.4.9 Regulatory Summary	Summary of the regulatory status for the reporting unit

1.0.5.4.9.1 Regulatory Type	A description of the restriction on water diversion or use in the reporting unit
1.0.5.4.9.1.1 Regulatory Type Name	Name of the type of restriction on surface water, groundwater, or re-use
1.0.5.4.9.1.2 Regulatory Status	Description of the regulatory status in the reporting unit (i.e. open, closed, partial, etc.)
1.0.5.4.9.1.3 Oversight Agency Name	Name of the special management district or oversight committee/basin group
1.0.5.4.9.1.4 Regulatory Description	Description of the regulatory restriction
1.0.5.5 Report Details	Detailed, site specific information on water allocations, diversions, use, and return flows
1.0.5.5.1 Water Allocation	Allocations or water rights assigned to specific entities
1.0.5.5.1.1 Allocation Identifier	Unique identifier for the allocation
1.0.5.5.1.2 Allocation Owner Name	Name of the entity with the allocation
1.0.5.5.1.3 Application Date	The date the allocation was submitted for review
1.0.5.5.1.3 Priority Date	The date of establishment of a water allocation
1.0.5.5.1.4 Legal Status Code	The legal status of the water right (i.e. is it un-approved, approved, perfected, etc.)
1.0.5.5.1.5 Detail Location	The location of the detailed allocation, diversion, water use, or return flow
1.0.5.5.1.5.1 State Code	Code representing the two-digit abbreviation for the state
1.0.5.5.1.5.2 Reporting Unit Identifier	A unique identifier assigned to the reporting unit by the reporting organization
1.0.5.5.1.5.3 County FIPS Code	County FIPS code (including the state FIPS code) representing the county
1.0.5.5.1.5.4 Hydrologic Unit Code	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.
1.0.5.5.1.5.5 Geographic Location	Geographic coordinates of the reporting unit. The reporting structure accepts points, lines, or polygons.
1.0.5.5.1.5.5.1 Geographic Identifier	A unique identifier for the geographic location
1.0.5.5.1.6 Allocation Amount	Defines the amount of water attributed to the entire allocation. If an allocation has multiple diversions associated with it, report this information for each diversion.
1.0.5.5.1.6.1 Water Use Context	Owner for the use type (i.e. state abbreviation)
1.0.5.5.1.6.2 Water Use Type Name	Name of the beneficial use
1.0.5.5.1.6.3 Allocated Flow	The amount of water allocated for this allocation or diversion
1.0.5.5.1.6.3.1 Allocated Volume	The volume of water allocated for this allocation or diversion
1.0.5.5.1.6.3.1.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.6.3.1.2 Amount Unit	Unit of measure
1.0.5.5.1.6.3.2 Allocated Rate	The rate at which water can be diverted for this allocation or diversion
1.0.5.5.1.6.3.2.1 Amount Number	Value reported, measured, calculated, or estimated

1.0.5.5.1.6.3.2.2 Amount Unit	Unit of measure
1.0.5.5.1.6.3.3 Source Type	The source type of water allocated (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.5.1.6.3.4 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.5.1.6.3.5 Timeframe	Period of time for the allocation or estimate
1.0.5.5.1.6.3.6 Source Name	Name of the Aquifer for groundwater sources or river basin for surface water sources
1.0.5.5.1.7 Diversion	Description of the location for the diverted water
1.0.5.5.1.7.1 Diversion Identifier	Unique identifier for the diversion within this allocation
1.0.5.5.1.7.2 Diversion Name	Name for the diversion
1.0.5.5.1.7.3 Detail Location	The location of the detailed allocation, diversion, use, or return flow
1.0.5.5.1.7.3.1 State Code	Code representing the two-digit abbreviation for the state
1.0.5.5.1.7.3.2 Reporting Unit Identifier	A unique identifier assigned to the reporting unit by the reporting organization
1.0.5.5.1.7.3.3 County FIPS Code	County FIPS code (including the state FIPS code) representing the county
1.0.5.5.1.7.3.4 Hydrologic Unit Code	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
1.0.5.5.1.7.3.5 Geographic Location	Geographic coordinates of the reporting unit. The reporting structure accepts points, lines, or polygons
1.0.5.5.1.7.3.5.1 Geographic Identifier	A unique identifier for the geographic location
1.0.5.5.1.7.4 Diversion Amount	Defines the amount of water appropriated to the entire allocation. If an allocation has multiple diversions associated with it, report this information for each diversion.
1.0.5.5.1.7.4.1 Water Use Context	Owner for the use type (i.e. state abbreviation)
1.0.5.5.1.7.4.2 Water Use Type Name	Name of the beneficial use
1.0.5.5.1.7.4.3 Allocated Flow	The amount of water allocated for this allocation or diversion
1.0.5.5.1.7.4.3.1 Allocated Volume	The volume of water allocated for this allocation or diversion
1.0.5.5.1.7.4.3.1.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.7.4.3.1.2 Amount Unit	Unit of measure
1.0.5.5.1.7.4.3.2 Allocated Rate	The rate at which water can be diverted for this allocation or diversion
1.0.5.5.1.7.4.3.2.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.7.4.3.2.2 Amount Unit	Unit of measure
1.0.5.5.1.7.4.3.3 Source Type Name	The source type of water used (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.5.1.7.4.3.4 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.5.1.7.4.3.5 Timeframe	Period of time for the allocation or estimate
1.0.5.5.1.7.4.3.6 Source Name	Name of the Aquifer for groundwater sources or river basin for surface water sources

1.0.5.5.1.7.4.4 Actual Flow	The actual amount of water diverted at this diversion for the reporting period
1.0.5.5.1.7.4.4.1 Actual Volume	The actual volume of water diverted at this diversion for the reporting period
1.0.5.5.1.7.4.4.1.1 Actual Amount	Amount of water diverted
1.0.5.5.1.7.4.4.1.2 Actual Amount Units	Unit of measure
1.0.5.5.1.7.4.4.1.3 Value Type	Indicator on how the actual amount was determined (i.e. calculated, measured, estimated, or reported)
1.0.5.5.1.7.4.4.1.4 Method	Method used to determine the metric, calculation or estimate
1.0.5.5.1.7.4.4.1.4.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.5.1.7.4.4.1.4.2 Method Name	The name of the method used
1.0.5.5.1.7.4.4.2 Actual Rate	The actual rate of water diverted at this diversion for the reporting period
1.0.5.5.1.7.4.4.2.1 Actual Amount	Amount of water diverted
1.0.5.5.1.7.4.4.2.2 Actual Amount Units	Unit of measure
1.0.5.5.1.7.4.4.2.3 Value Type	Indicator on how the actual amount was determined (i.e. calculated, measured, estimated, or reported)
1.0.5.5.1.7.4.4.2.4 Method	Method used to determine the metric, calculation or estimate
1.0.5.5.1.7.4.4.2.4.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.5.1.7.4.4.2.4.2 Method Name	The name of the method used
1.0.5.5.1.8 Consumptive Use	Information about the use of the water
1.0.5.5.1.8.1 Consumptive Water User Identifier	A unique identifier for the water user
1.0.5.5.1.8.2 Consumptive Water User Name	The name of the water user
1.0.5.5.1.8.3 Detail Location	The location of the detailed allocation, diversion, use, or return flow
1.0.5.5.1.8.3.1 State Code	Code representing the two-digit abbreviation for the state
1.0.5.5.1.8.3.2 Reporting Unit Identifier	A unique identifier assigned to the reporting unit by the reporting organization
1.0.5.5.1.8.3.3 County FIPS Code	County FIPS code (including the state FIPS code) representing the county
1.0.5.5.1.8.3.4 Hydrologic Unit Code	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.
1.0.5.5.1.8.3.5 Geographic Location	Geographic coordinates of the reporting unit. The reporting structure accepts points, lines, or polygons.
1.0.5.5.1.8.3.5.1 Geographic Identifier	A unique identifier for the geographic location
1.0.5.5.1.8.4 Consumptive Water Use Estimate	Estimate of water use
1.0.5.5.1.8.4.1 Consumptive Water Use Context	Owner for the use type (i.e. state abbreviation)
1.0.5.5.1.8.4.2 Consumptive Water Use Type	Name of the beneficial use
1.0.5.5.1.8.4.3 Consumptive Use Amount	The actual amount of water used at this location for the reporting period

1.0.5.5.1.8.4.3.1 Consumptive Use Volume	The actual volume of water diverted at this diversion for the reporting period
1.0.5.5.1.8.4.3.1.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.8.4.3.1.2 Amount Unit	Unit of measure
1.0.5.5.1.8.4.3.1.3 Value Type Code	Indicator on how the actual amount was determined (i.e. calculated, measured, estimated, or reported)
1.0.5.5.1.8.4.3.1.4 Method	Method used to determine the metric, calculation or estimate
1.0.5.5.1.8.4.3.1.4.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.5.1.8.4.3.1.4.2 Method Name	The name of the method used
1.0.5.5.1.8.4.3.2 Source Type Name	The source type of water used (i.e. surface water, groundwater, reclaimed, etc.)
1.0.5.5.1.8.4.3.3 Fresh/Saline Indicator	Indicates whether the source is fresh water, saline water, or represents the total of both
1.0.5.5.1.8.4.3.4 Timeframe Name	Period of time for the allocation or estimate
1.0.5.5.1.8.4.3.5 Source Name	Name of the Aquifer for groundwater sources or river basin for surface water sources
1.0.5.5.1.8.4.3.6 Community Water Supply	Additional metadata for community water supply uses
1.0.5.5.1.8.4.3.6.1 Total Population Served Number	Population served by the community water supply
1.0.5.5.1.8.4.3.6.2 Community Water Supply Name	Name of the community water supply agency
1.0.5.5.1.8.4.3.6.3 Deliveries From Public Supply Amount	For domestic, self-supplied CWS, the amount of water delivered from a public CWS
1.0.5.5.1.8.4.3.6.4 Deliveries Units Code	For the purpose of this exchange, this value should always be acre feet
1.0.5.5.1.8.4.3.7 Irrigation Water Supply	Additional metadata for irrigation water supply uses
1.0.5.5.1.8.4.3.7.1 Irrigation Method	Name of the method used to irrigate (i.e. sprinkler, flood, micro-irrigation, etc.)
1.0.5.5.1.8.4.3.7.2 Acres Irrigated	Number of acres irrigated using this method
1.0.5.5.1.8.4.3.7.3 Crop Type	Crop type being irrigated
1.0.5.5.1.8.4.3.8 Thermoelectric Water Supply	Additional metadata for thermoelectric water supply uses
1.0.5.5.1.8.4.3.8.1 Generator Type	The type of generator used to create electricity
1.0.5.5.1.8.4.3.8.2 Power Capacity	The amount of power capacity in megawatt-hours
1.0.5.5.1.9 Return Flow	The amount and location of water returned
1.0.5.5.1.9.1 Return Flow Identifier	Unique identifier for the return flow
1.0.5.5.1.9.2 Return Flow Name	Name for the return flow
1.0.5.5.1.9.3 Detail Location	The location of the detailed allocation, diversion, use, or return flow
1.0.5.5.1.9.3.1 State Code	Code representing the two-digit abbreviation for the state
1.0.5.5.1.9.3.2 Reporting Unit Identifier	A unique identifier assigned to the reporting unit by the reporting organization
1.0.5.5.1.9.3.3 County FIPS Code	County FIPS code (including the state FIPS code) representing the county

1.0.5.5.1.9.3.4 Hydrologic Unit Code	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.
1.0.5.5.1.9.3.5 Geographic Location	Geographic coordinates of the reporting unit. The reporting structure accepts points, lines, or polygons.
1.0.5.5.1.9.3.5.1 Geographic Identifier	A unique identifier for the geographic location
1.0.5.5.1.9.4 Return Flow Amount	The actual amount of water returned at this location
1.0.5.5.1.9.4.1 Return Volume	The actual volume of water returned at this location for the reporting period
1.0.5.5.1.9.4.1.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.9.4.1.2 Amount Unit	Unit of measure
1.0.5.5.1.9.4.1.3 Value Type	Indicator on how the actual amount was determined (i.e. calculated, measured, estimated, or reported)
1.0.5.5.1.9.4.1.4 Method	Method used to determine the metric, calculation or estimate.
1.0.5.5.1.9.4.1.4.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.5.1.9.4.1.4.2 Method Name	The name of the method used
1.0.5.5.1.9.4.2 Return Rate	The actual rate of water returned at this location for the reporting period
1.0.5.5.1.9.4.2.1 Amount Number	Value reported, measured, calculated, or estimated
1.0.5.5.1.9.4.2.2 Amount Unit	Unit of measure
1.0.5.5.1.9.4.2.3 Value Type	Indicator on how the actual amount was determined (i.e. calculated, measured, estimated, or reported)
1.0.5.5.1.9.4.2.4 Method	Method used to determine the metric, calculation or estimate
1.0.5.5.1.9.4.2.4.1 Method Context	Reference back to method documentation or authors and/or publications that originally proposed the methodology
1.0.5.5.1.9.4.2.4.2 Method Name	The name of the method used