|  |  |
| --- | --- |
|  | **WESTERN STATES WATER COUNCIL**  ***682 East Vine Street, Suite 7 I Murray, Utah 84107-5501 I (801) 685-2555 I FAX (801) 685-2559 Web Page:*** [***www.westernstateswater.org***](http://www.westernstateswater.org) |

February 2, 2022

**WaDE Gage Site Specific Data Review**

The following is a set of notes and queries that the Water Data Exchange (WaDE) staff has assembled after reviewing the Nevada Division of Water Resources (NDWR) site specific time series gage data. These questions relate to unidentifiable elements, irregular entries, and general questions the WaDE staff has in order to best fit the provided set into the WaDE2.0 cloud computing program.

Data Sets in Review:

1. [Surface Water Monitoring Measures](https://data-ndwr.hub.arcgis.com/datasets/NDWR::surface-water-monitoring-measures/about) time series data to assess the condition of the groundwater and surface water systems.
2. [Surface Water Monitoring Sites](https://data-ndwr.hub.arcgis.com/datasets/NDWR::surface-water-monitoring-sites/about) shapefile location data to pair time series data to sites.

**Query #1:** Better identification of water source type for each site.

It was unclear what the water source type (e.g., surface water, groundwater) was for data set (1). WaDE staff made assumptions on type based on the **Source\_Des** input field. Inputs of "wells", "well", "flowing well" & "spring" were considered Groundwater, while everything else is Surface Water. Better clarification to prevent errors would be beneficial.

**Query #2:** Reservoir location / site type identification.

The WaDE staff would like to be able to better identify reservoir locations and timeseries data within the (1) dataset if possible. Sites with the keyword “reservoir” were noted in **Site\_Name** input field, but better clarification would be beneficial.

**Query #3:** Incomplete records not uploaded to WaDE.

Some records could not be imported WaDE for missing key information. See Incomplete Records.xlsx for specific records.

The records were removed for the following reasons…

* **Incomplete Amount**: missing cfs or volume value. Possibly marked as NULL.
* **Incomplete Timeframe**: missing timeframe data value.