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July 1, 2021

**WaDE Water Allocation Data Review**

The following is a set of queries that the WSWC staff has assembled after reviewing the Arizona Department of Water Resources (ADWR) water right data. These questions relate to unidentifiable elements and irregular entries within the provided state data, and are meant to provide some clarity for the WSWC staff on how best to fit the state provided date into Water Data Exchange (WaDE) cloud computing program.

**Query #1:** Why do the following **REG. NO**. have such a high **QUANTITY** value attached to it?

**REG. NO.** is recognized by WaDE as individual an water right record ID, whereas **QUANTITY** is the state recognized assigned water allocation volume amount to the water right. These **QUANTITY** values seem rather high, and we wanted to double check that these are correct inputs (see below Table 1).

Table 1: Inquiry of State Input

|  |  |
| --- | --- |
| **REG. NO** | **QUANTITY** |
| 36-15558.0 | 40,000,000 Acre-Feet Per Annum |
| 36-17662.0 | 5,532,865 Acre-Feet Per Annum |
| 36-17662.1 | 5,532,865 Acre-Feet Per Annum |
| 36-64086.1 | 1,976,252 Acre-Feet Per Annum |
| 36-67517.0 | 1,576,800 Acre-Feet Per Annum |

**Note**: Data made available from the following sources. SW Query by Surface Watersheds: <http://www.azwater.gov/querycenter/query.aspx?qrysessionid=ABBBE0BF2A68326CE040000A16005CA1>

**Query #2:** State recognized site type for surface water allocations sites?

**CADASTRAL** is recognized by WaDE as a site ID, but does the ADWR surface water allocation data have a recognized site type? We are looking for an input that provides a simple description of the site (e.g., ditch, well, spring, sewer, etc). Or are these sties considered simple surface water diversion points / places of use? WaDE uses a similar site type inspired by CAHUSI SiteTypeCV Values ([link](http://his.cuahsi.org/mastercvreg/edit_cv11.aspx?tbl=SiteTypeCV&id=853578079)).

Table 2: WaDE Site IDs Sample

|  |  |  |
| --- | --- | --- |
| **CADASTRAL** | **POU\_POD** | **SiteTypeCV** |
| A01013028CC0 | POD | ? |
| A01006031000 | POU | ? |
| A01006034AA0 | POD | ? |
| A01007035000 | POU | ? |
| A01008031B00 | POU | ? |
| A01009035BA0 | POU | ? |
| A01010002CA0 | POU | ? |
| A01010012DA0 | POD | ? |

**Note**: Data made available from the following sources. Surface Water Data (SWR\_fillings): <https://new.azwater.gov/gis>

**Query #3:** Are there certain time periods throughout the year that a water right can accesses their assigned volume / flow?

WaDE recognizes that some water rights in the Western United States may only utilize their assigned volume / flows at certain portions of the year. Does the ADWR follow a similar practice? For example, are their water rights (both surface and groundwater) that may only be utilized in the spring, while others may be utilized all year long? If so, do they have a start and end time (e.g., month /day)?