

Water Data Exchange (WaDE) Program Water Use Data Sharing

2022 National Water Use Data Workshop

August 16, 2022

Adel Abdallah, WaDE Program Manager

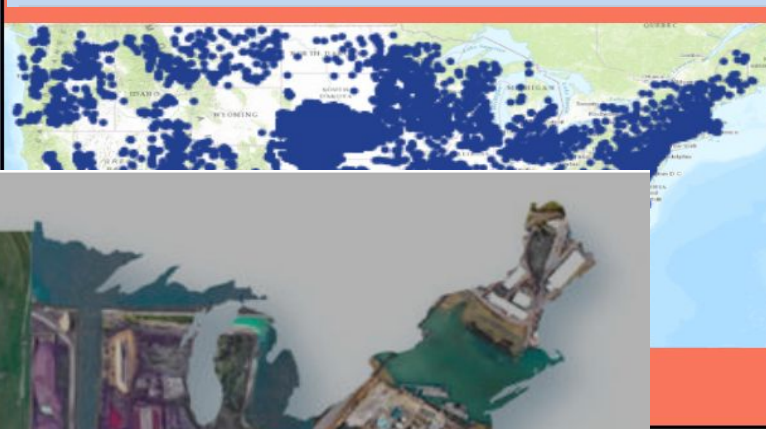
Tony Willardson, WSWC Executive Director

Ryan James, WaDE Data Analyst

Water Data Shared by Federal Agencies



National Ground-Water Monitoring Network

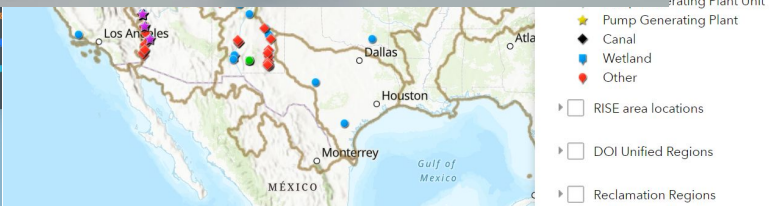


Estimated use of water in the United States in 2015

Full Report



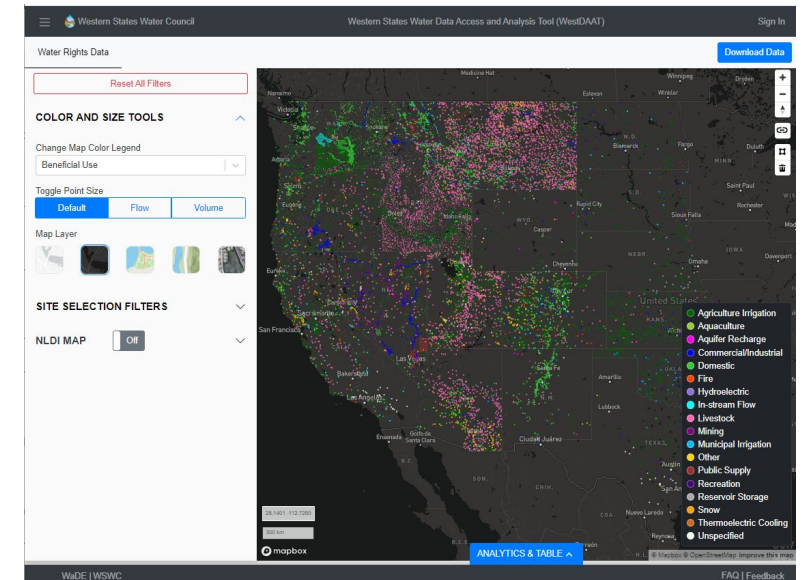
EXPERIMENTAL



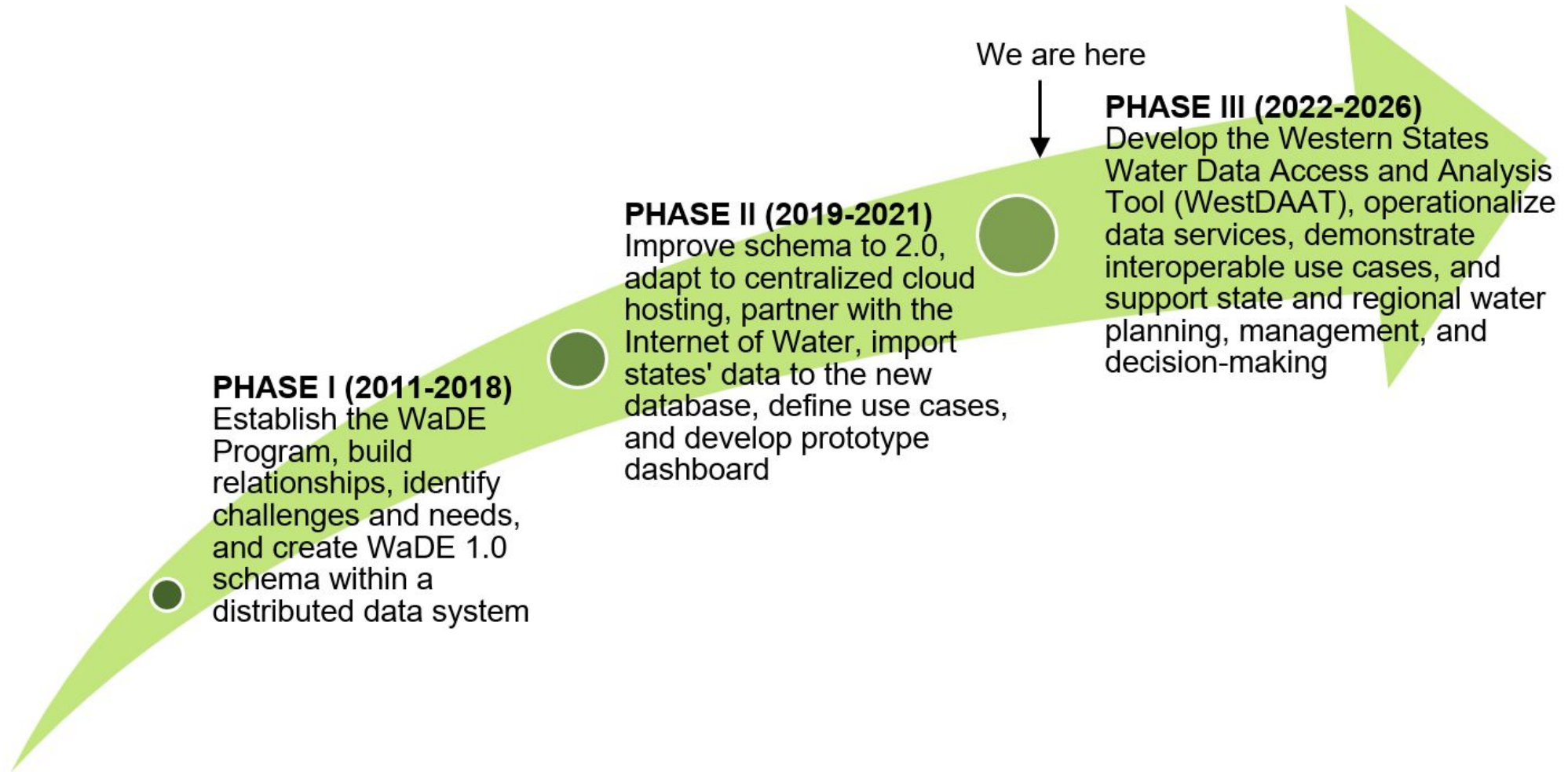
Water Data Shared by WaDE

- ☐ Water rights
- ☐ Site-specific use and withdrawals
- ☐ Aggregated water budget estimates
- ☐ Regulatory overlays

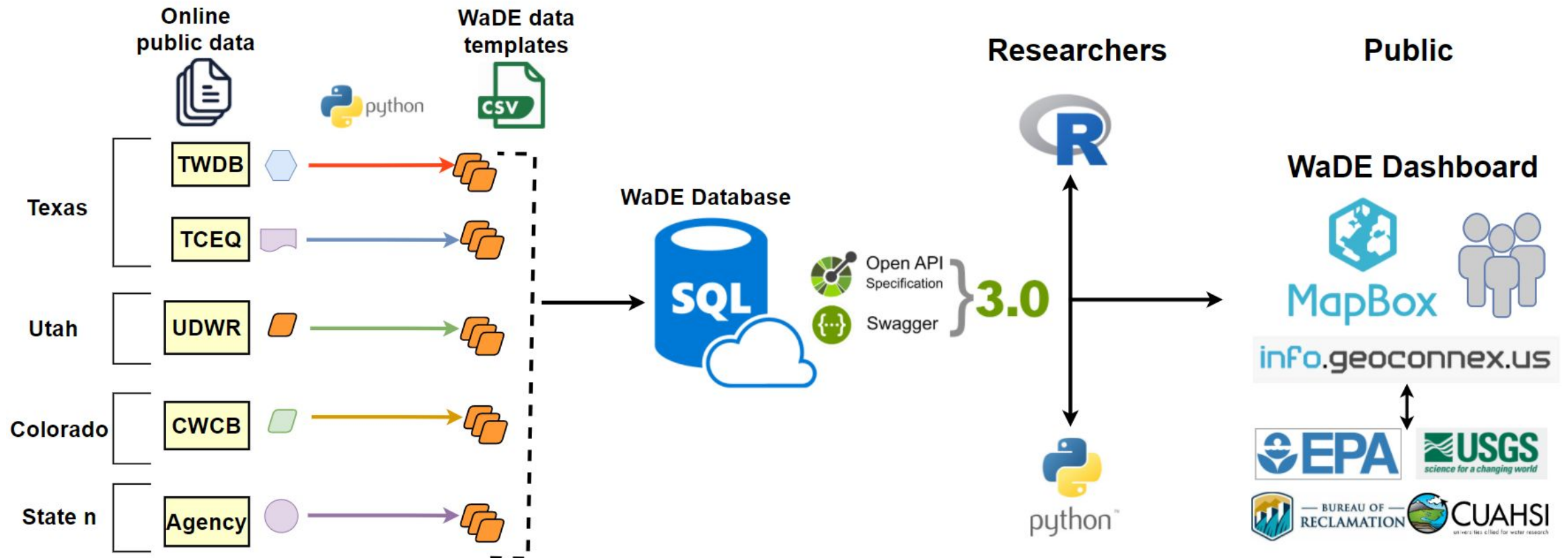
Western States Water Data Access and Analysis Tool (WestDAAT)..coming soon



Celebrating Ten Years of Western Water Data Sharing



WaDE 2.0 Architecture

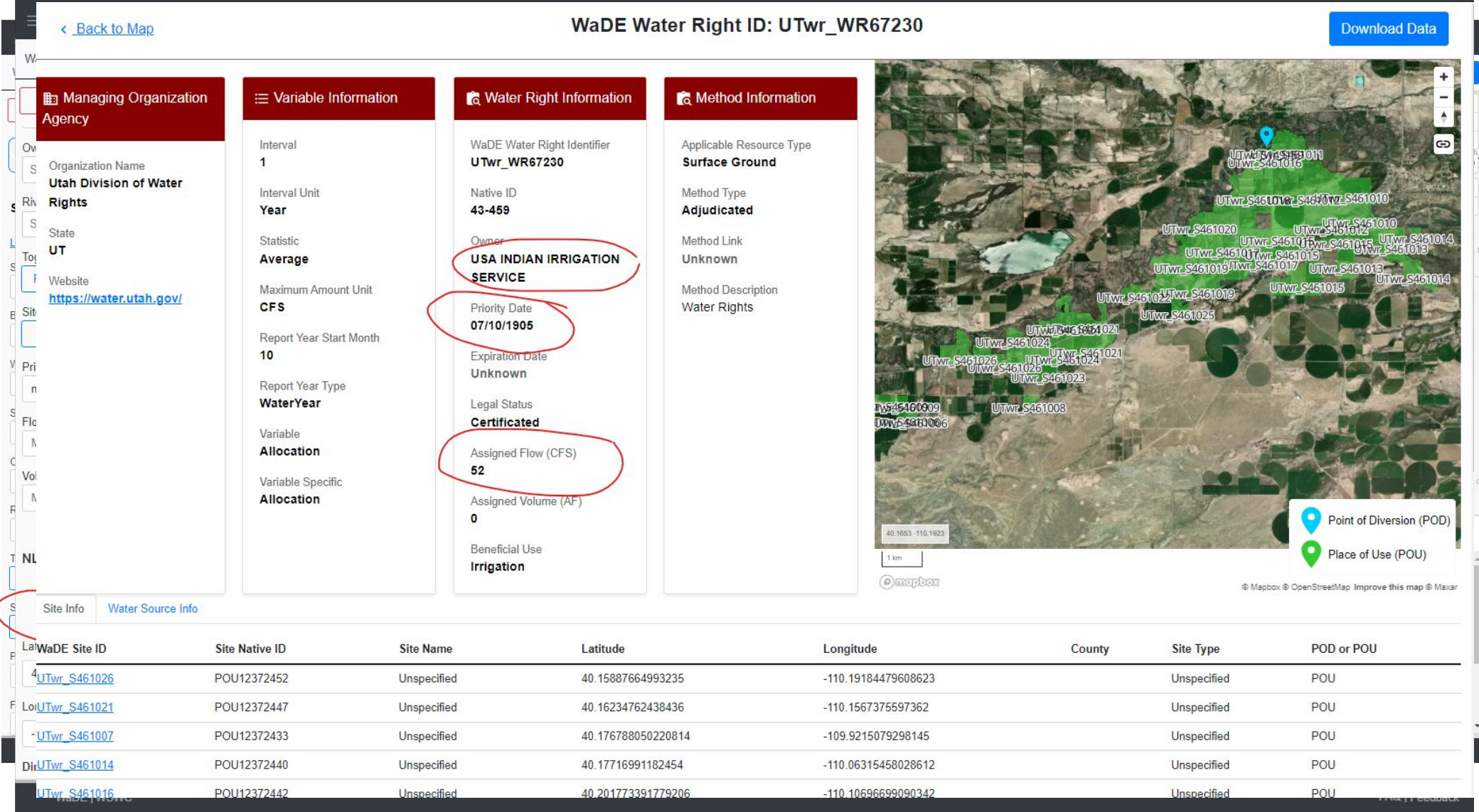


WaDE Use Cases and Personas

1. Gary the Governor
2. Stan the State Engineer
3. Maggie the River Basin Manager
4. Laila the Land Use Manager
5. Frank the Farmer
6. Ratibah the Researcher



Western States Water Data Access and Analysis Tool (WestDAAT)



<https://westdaatqa.westernstateswater.org/>

Historic Urban Water Use Data

Instructions

Use filters to narrow down selection if desired.

Hide No Record Sites? ☒



WestDAAT Site-Specific Water Withdrawal and Use Time Series Data

A web tool used to visualize and query historic water data for places of use and points of diversions and their relationships across the Western United States.

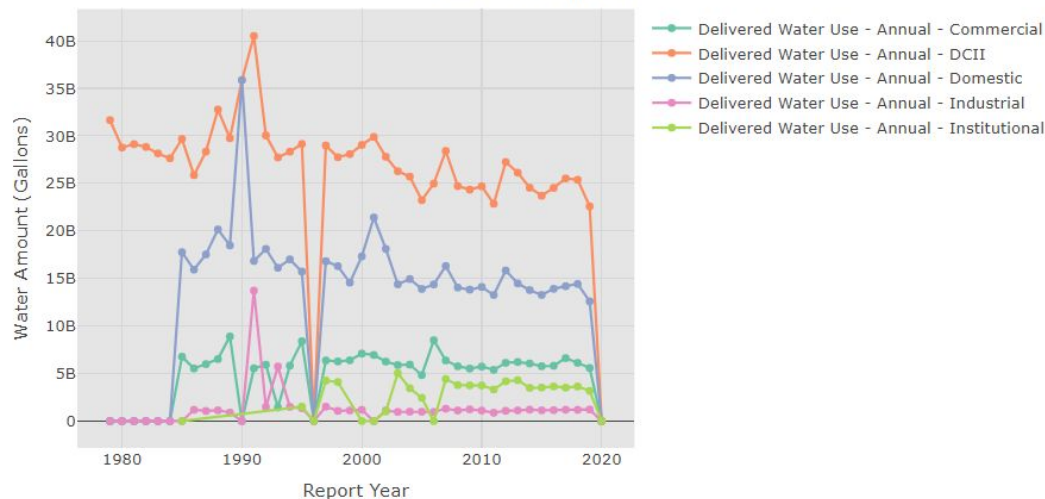
DISCLAIMER: This tool is under construction, not for public use, and has not yet been fully approved by our member states.

Site Water Use by Variable Specific Type

Pie Chart

Line Plot

UTss_S131 (POU)

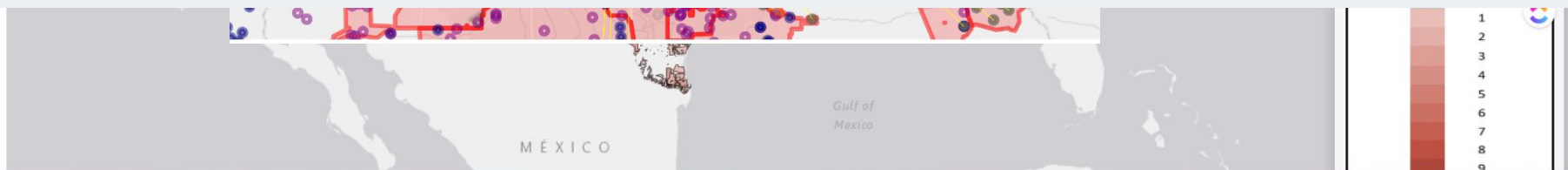
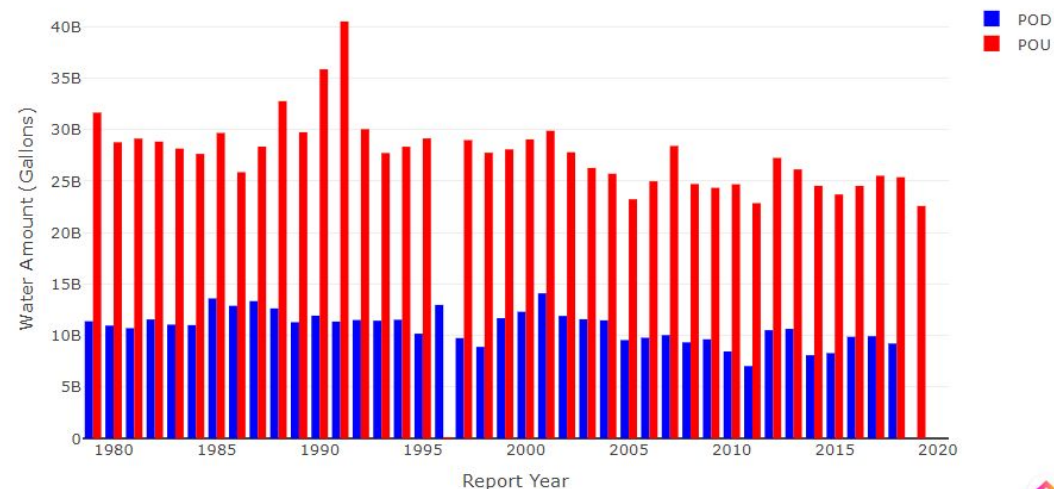


DCII Community Supply System Delivered (POU) versus Withdrawn (POD) Use

Pie Chart

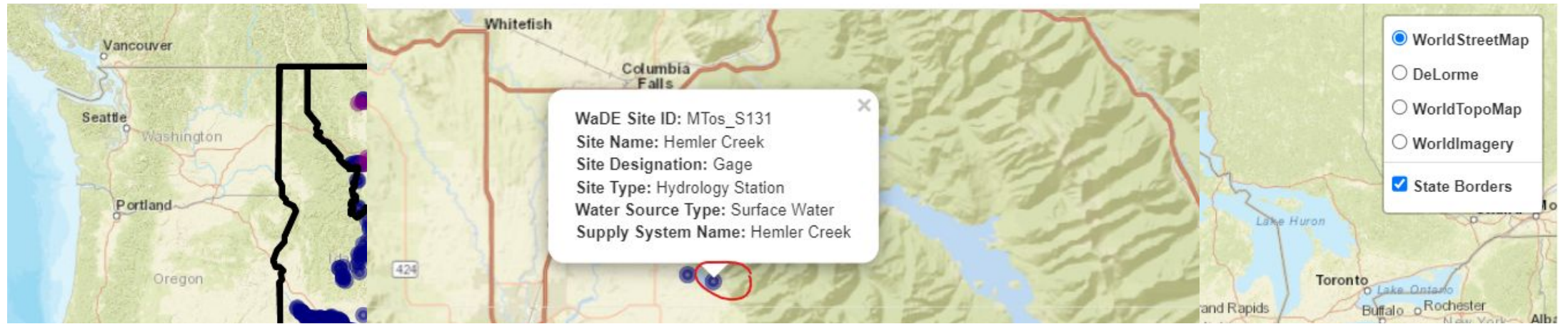
Line Plot

Salt Lake City Corp. Culinary Water (Old)



<https://tinyurl.com/WaterUseDemo>

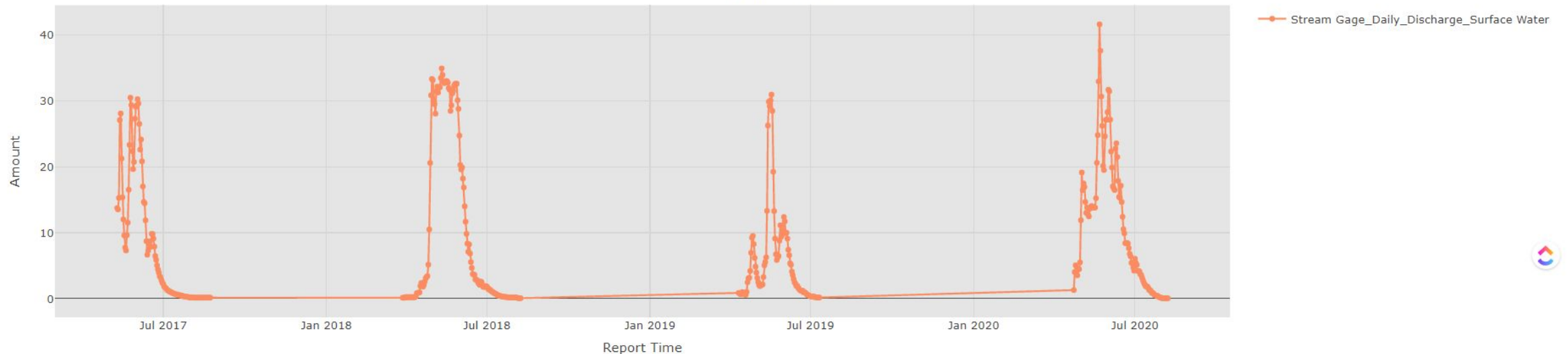
Historic Gage/Reservoir Data



Time Series Info

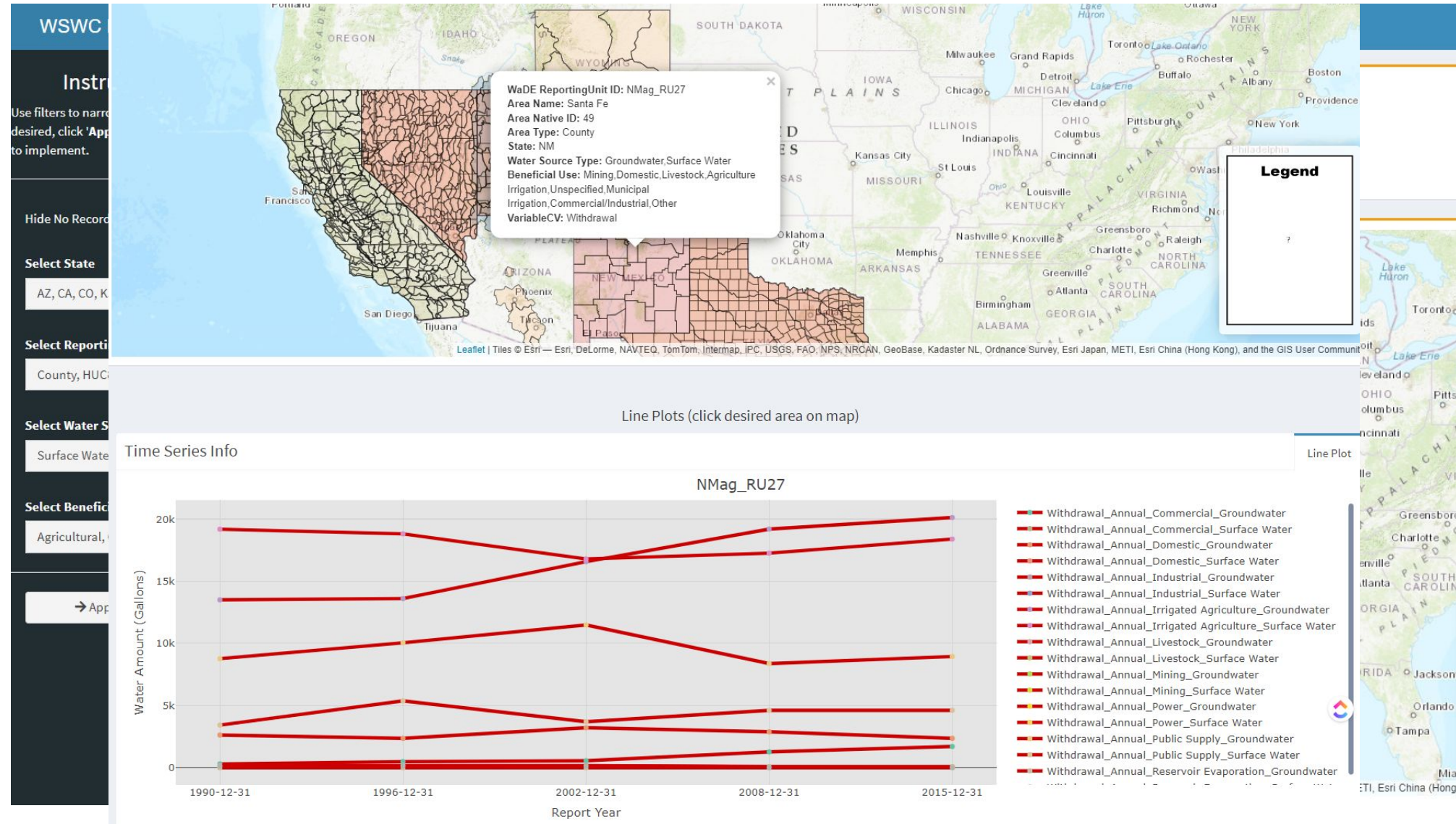
Line Plot

MTos_S131



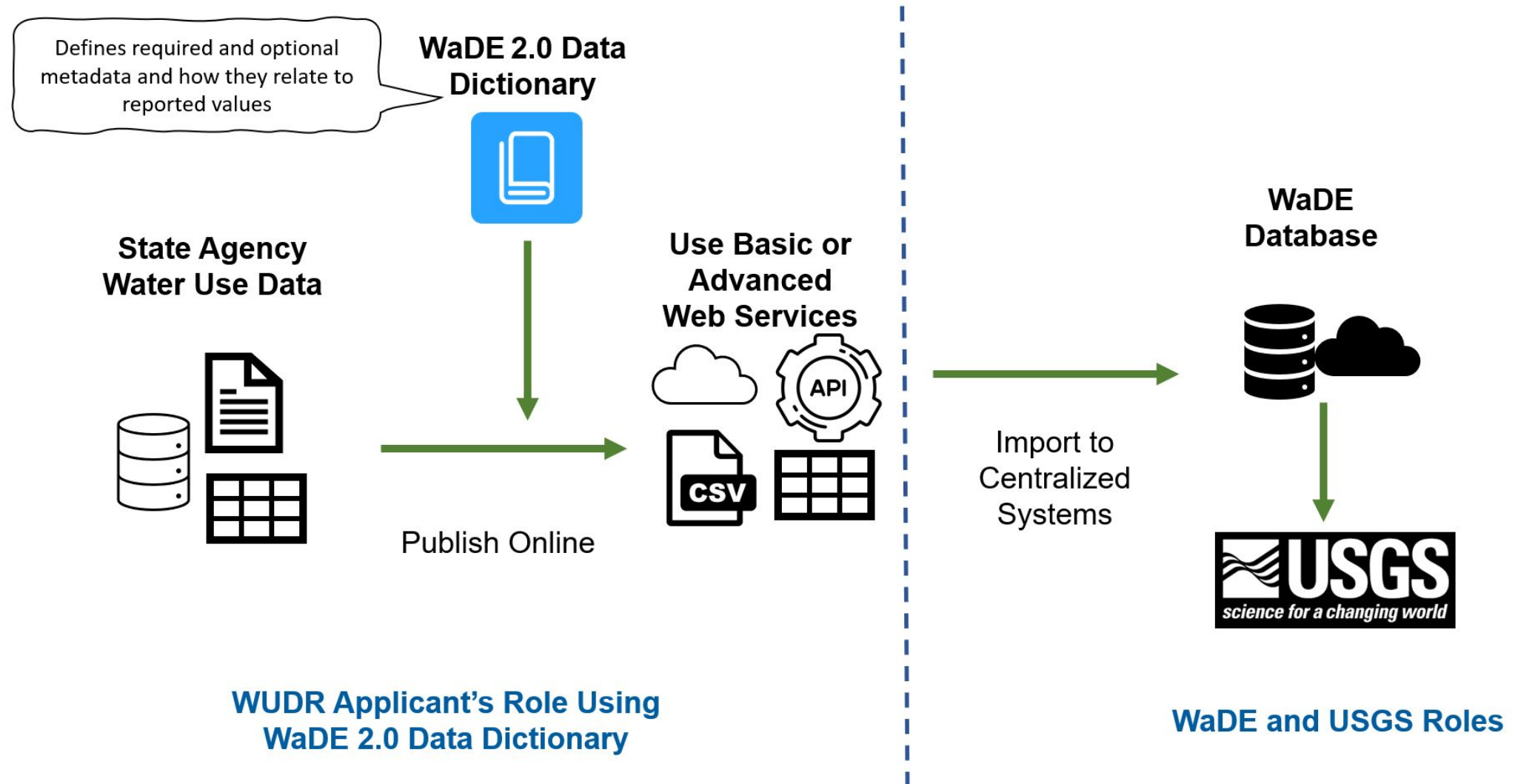
<https://tinyurl.com/HistoricFlow>

WestDAAT Aggregated Area Time Series Data



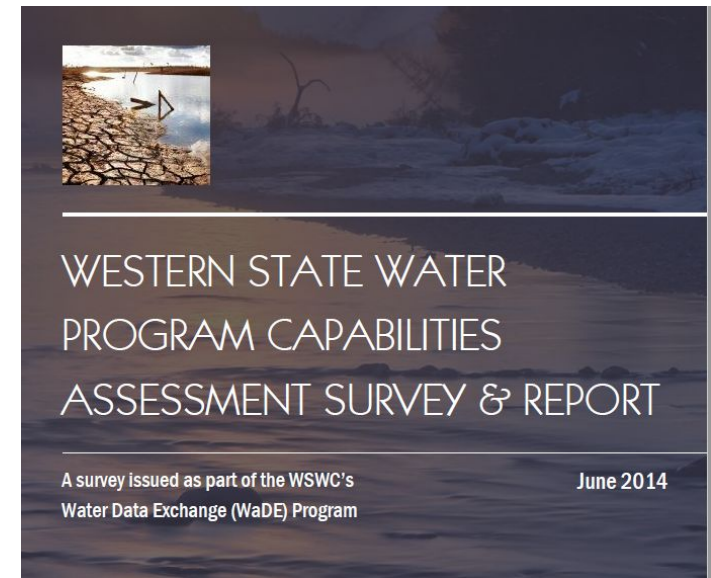
<https://tinyurl.com/Aggregated-water-budget-data>

How to Share Water Use Data Through WaDE?



Next

- State capabilities survey and report
- Continue outreach engagement
- Finalize WestDAAT development and release it to member our states
- Continue working with USGS and Bureau of Reclamation
- Update WaDE 5-year strategic plan



Funders, Collaborators & Partners

Water Foundation

Mitchell Foundation

Walton Foundation

BHP Foundation

MOORE Foundation

EPA Exchange Network Grant Program

Western States Water Agencies



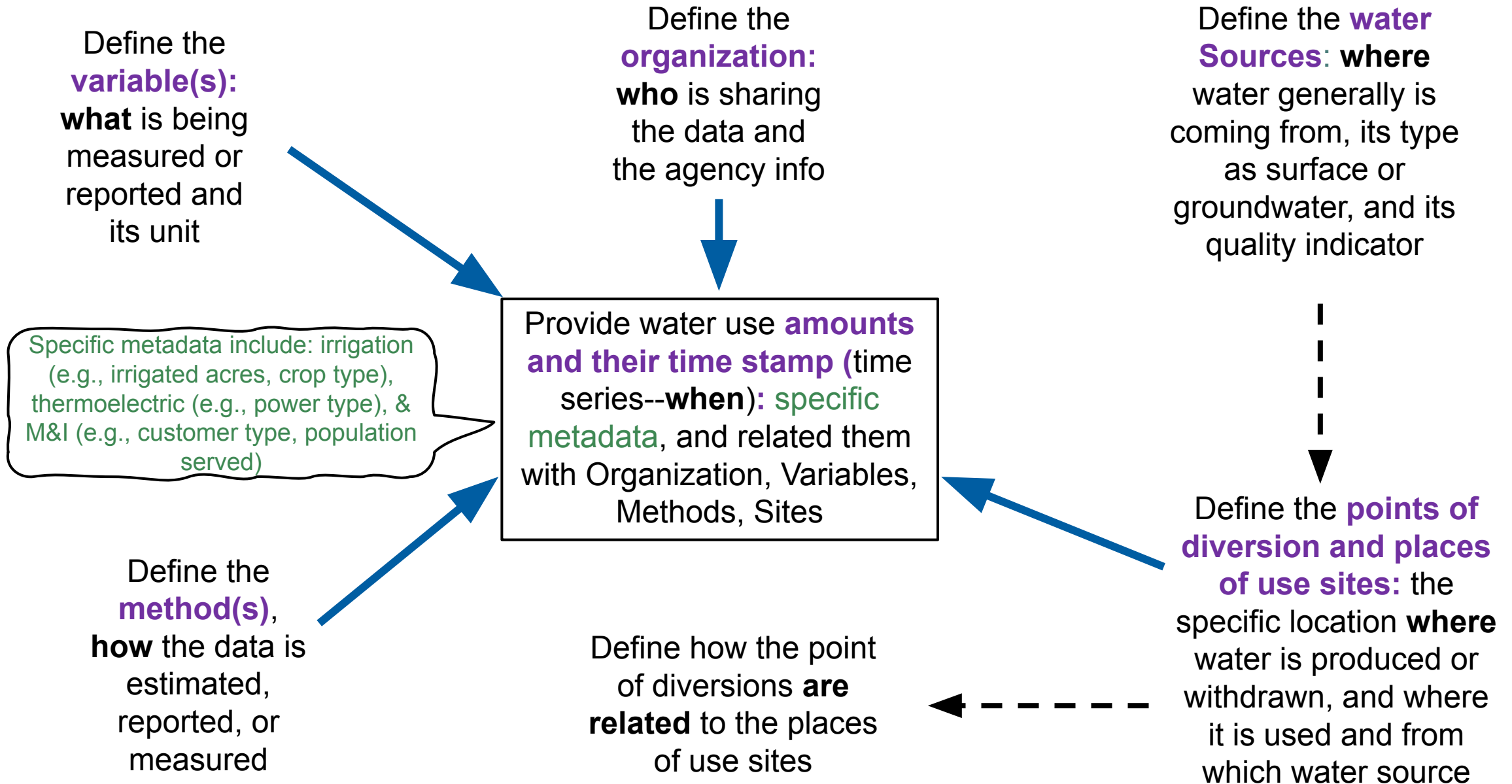


WESTERN STATE WATER PROGRAM CAPABILITIES ASSESSMENT SURVEY & REPORT

A survey issued as part of the WSWC's
Water Data Exchange (WaDE) Program

June 2014

What Is the WaDE Data Dictionary? High Level



Links

WestDAAT

<https://westdaatqa.westernstateswater.org/>

Feedback Whiteboard

<https://tinyurl.com/WestDAAT-Workshop>

Historic Urban Water Use Data

<https://tinyurl.com/WaterUseDemo>

Historic Gage/Reservoir Data

<https://tinyurl.com/HistoricFlow>