

Electronic Data Submission State Small Water System & Domestic Well Water Quality

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TODAY'S AGENDA

- 1 SAFER PROGRAM
- 2 NEEDS ASSESSMENT
- 3 STATE SMALL WATER SYSTEM & DOMESTIC WELL DATA
- 4 EQUIS SOFTWARE BACKGROUND
- 5 DOMESTIC WELL DATA SUBMISSION CLIP DEMONSTRATION



2012 - Human Right to Water (HR2W)

Water Code Section 106.3, the State statutorily recognizes that:

“every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.”



SB 200 and the SAFER Program

In 2019, to advance the goals of the Human Right to Water “HR2W”, California passed Senate Bill 200, which enabled the State Water Board to establish the **Safe and Affordable Funding for Equity and Resilience (SAFER) Program**.



**Safe and Affordable
Drinking Water Fund**



**Data Collection
& Analysis**



**Consolidation &
Regional Solutions**



Administrators



**Technical Assistance
& Capacity Building**

Safe and Affordable Drinking Water Fund

Up to \$130 million per year through 2030

The annual **Fund Expenditure Plan** prioritizes projects for funding, documents past and planned expenditures, and is “based on data and analysis drawn from the drinking water **Needs Assessment**” (Health and Safety Code §116769).



SAFER Drinking Water Strategy for State Small Water Systems and Domestic Wells

Key Components:

1. Centralized domestic well and state small water system data
2. Funding for counties to develop programs to address local needs
3. Implementing a regionalization pilot project
4. Implementing a Point-of-Use/Point-of-Entry pilot project

More information will be available soon at waterboards.ca.gov/SAFER

Needs Assessment



Risk Assessment

Community Water Systems;
K-12 Schools; SSWS & DWs



Cost Assessment

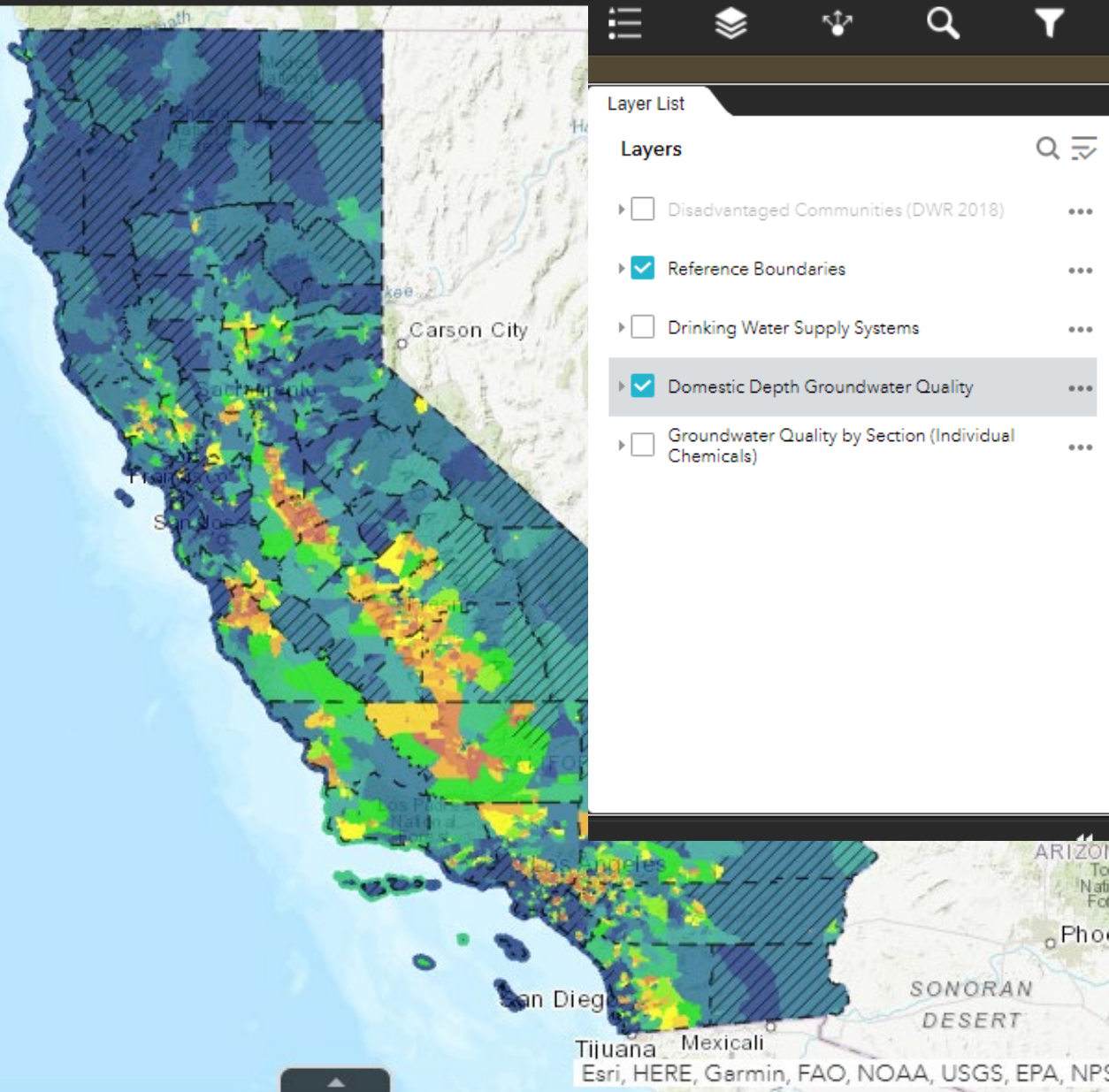
HR2W & At-Risk Systems
and Domestic Wells



Affordability Assessment

DAC Systems

https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/needs.html



Aquifer Risk Map for Domestic Wells & State Small Water Systems

Intended to help prioritize areas where domestic wells and state small water systems may be accessing groundwater that does not meet primary drinking water standards.

[Link to Map](#)

Senate Bill 200 – Water Quality Data Submission

Health and Safety Code, 116772 (added in SB 200)

(b) (1) **By January 1, 2021**, a local health officer or other relevant local agency **shall provide to the board all results of, and data associated with, water quality testing performed by a laboratory** that has accreditation or certification pursuant to Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101 **for a state small water system or domestic well that was collected after January 1, 2014**, and that is in the possession of the local health officer or other relevant local agency.

(2) **By January 1, 2022**, and by January 1 of each year thereafter, **all results of, and data associated with, water quality testing performed by a laboratory** that has accreditation or certification pursuant to Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101 for a state small water system or domestic well that is submitted to a local health officer or other relevant local agency **shall also be submitted directly to the board in electronic format.**

Definitions

“**Domestic Well**” means a groundwater well used to supply water for the domestic needs of an individual residence or a water system that is not a public water system and that has **no more than four service connections**.

“**State Small Water System**” means a system for the provision of piped water to the public for human consumption that serves **at least five, but not more than 14, service connections** and does not regularly serve drinking water to more than an average of 25 individuals daily for more than 60 days out of the year.

State Small Water System Data Submission Requirements

1. Counties must **complete the SSWS basic inventory and facility inventory** submission process
2. SSWS basic and facility data is **added to SDWIS database**
3. **CLIP inventory references SDWIS database** for SSWS information
4. **Labs reference CLIP inventory** to link SSWS water quality data

Therefore, if the SSWS inventory is not complete, labs will not be able to link the incoming water quality data.

Domestic Well Data Submission Requirements

1. Counties must provide a **basic domestic well profile** for all incoming water quality data sources
 - Assessor Parcel Number (APN)
 - Permit Number, if applicable
2. Labs must use **updated Electronic Data Deliverable (EDD)** that includes the APN (and optional permit number)
3. Counties may be required to **review incoming domestic well data** that is NOT associated with a basic profile

SSWS Data Submission Process

- SSWS water quality data submission process via CLIP is the **same as Public Water System** data submission
- Some SSWSs **may not appear** in CLIP inventory

Additional information is available at the [California Laboratory Intake Portal \(CLIP\)](#)

Domestic Well Data Submission Process

- Domestic Well water quality data submission process via CLIP is through a separate website
- Requires a new EDD dedicated to domestic wells

Additional information is available at the [California Laboratory Intake Portal \(CLIP\)](#)

Domestic Well EDD – Required Data

Required Fields – Unique to Domestic Well EDD

- Originating County Source
- Assessor Parcel Number
- Sample Point Descriptor
 - Interior Faucet, Spigot, Storage Tank, or Well Head

Domestic Well EDD – Voluntary Fields

Voluntary Fields – Unique to Domestic Well EDD

- County permit number
- Domestic Well ID (from SAFER Clearinghouse)
- Well type
 - New or Existing
- Online System of Well Completion Reports (OSWCR) number
 - Format: “WCRYYYY-#####”, i.e. – WCR2022-012345
- Domestic well address
- Latitude and longitude of domestic well

Domestic Well EDD

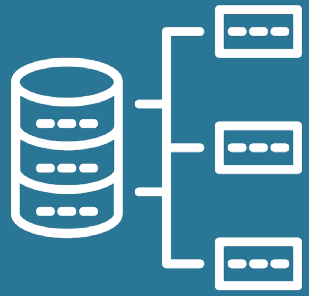
Counties and labs need to coordinate updates to the Chain of Custody (COC) to account for the new domestic well data fields.

This will be essential for accurately associating the incoming domestic well water quality data with the correct location.

SAFER Clearinghouse

In 2020, the State Water Board initiated in-house development of a new database system to support the implementation of the SAFER Program.

DATA MANAGEMENT



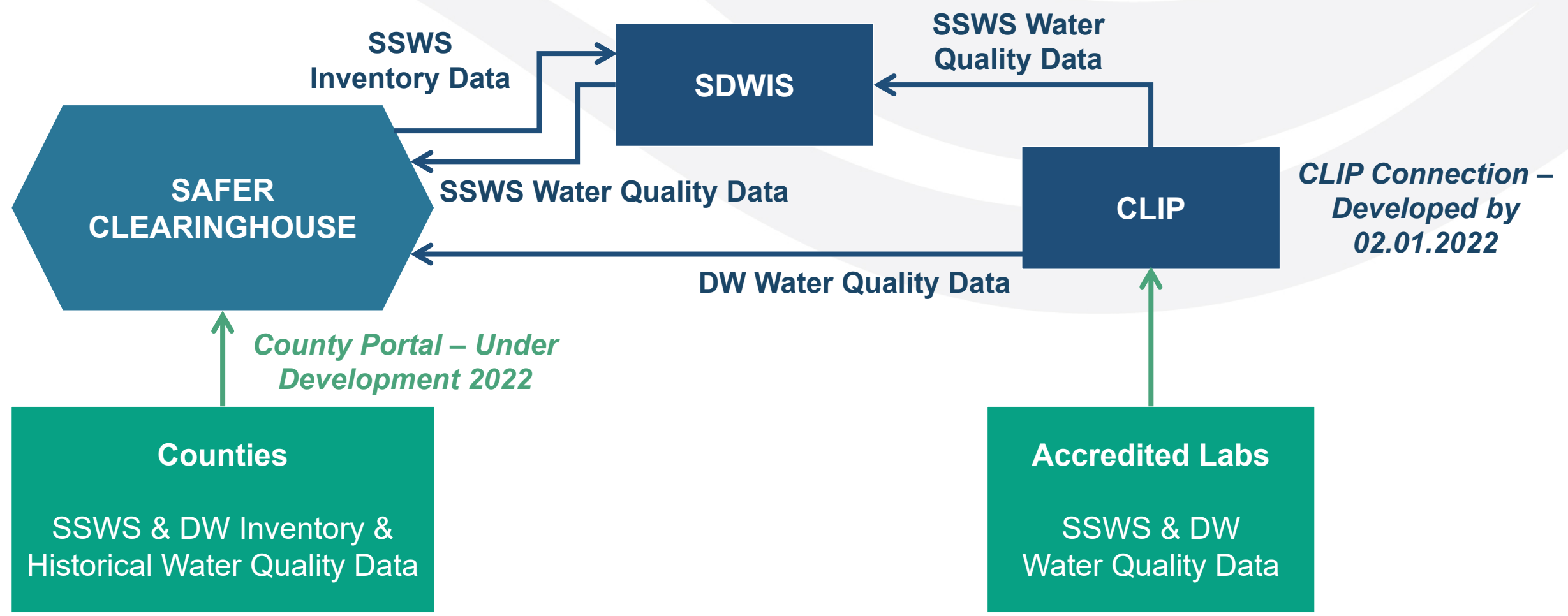
SAFER PROGRAM IMPLEMENTATION



SAFER PROGRAM ACCESSIBILITY



SSWS & DW Data Flows



Identifying SSWS & DW Data Management Needs

Key pieces of functionality:

- Portal that allows Counties to maintain inventory of SSWSs and Domestic Wells
 - Data bridge to collect water quality test results from labs
 - Allow Counties to batch-upload and validate data
 - Allow Counties to view, edit, and extract data
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- **Potential Future Needs:**
 - GIS mapping
 - Connection with OSWCR
 - Other ideas?

Questions?

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