# *San Gorgonio Pass Water Agency*

**DATE:** September 12, 2022

**TO:** Board of Directors

**FROM:** Lance Eckhart, General Manager

**BY:** Lance Eckhart, General Manager

**SUBJECT: JOINT FUNDING AGREEMENT BETWEEN SAN GORGONIO PASS WATER AGENCY AND THE UNITED STATES GEOLOGICAL SURVEY FOR THE ANNUAL EXTENSION OF THE COOPERATIVE WATER RESOURCES PROGRAM**

## RECOMMENDATION

Staff recommends the Board approve the execution of a Joint Funding Agreement regarding the annual extension of the Cooperative Water Resources Program between the Agency and the United States Geological Survey (USGS) for the fiscal year 2022-2023 (FY 2022-23).

## PREVIOUS CONSIDERATION

- Board of Directors: A cooperative agreement has been considered annually and approved by the Board since1995.

## BACKGROUND

A cooperative water resources program between the Agency and the USGS has been in place since 1995. The program has served, and continues to serve, as an integral part of the Agency's ability to understand and manage the basin(s). The extension of this program for FY 2022-23 will be crucial to the Agency's ongoing basin management efforts. Groundwater monitoring is fundamental to the management of the local adjudication and the region's two Groundwater Sustainability Plans.

The elements of this cooperative agreement consist of:

1. Groundwater-Level Monitoring
    - USGS staff will monitor water levels at selected wells to supplement regional monitoring efforts and maintain the regional water level monitoring program.
        - NOTE: The transducer network (continuous monitoring stations) will be reduced from 27 to 18 wells in order to control costs and deploy resources in data-gap areas.

2. Water-Quality Monitoring
    - USGS staff will collect water quality samples at selected wells to supplement regional monitoring efforts and maintain the regional water-quality monitoring program.
        - NOTE: The frequency of sampling for select well sites has been decreased from every three years to every four years. A goal of Task 2 will be to begin to incorporate data-gap areas (e.g., Calimesa Basin) into the monitoring program and control the cost of additional sampling points by developing a more tailored and precise sampling schedule.

3. Project Website Updates
    - Work will consist of developing interactive maps/tools that more easily deliver a material volume of groundwater model, geospatial and water level/water quality data to the public and stakeholders.

4. Calimesa Subarea Data Collection
    - The Calimesa Subarea is data poor. The Agency, along with project partners, is planning a recharge facility in the Calimesa area. Work associated with this task will consist of a review of potential existing wells from various sources that may be incorporated into the local water level/water quality network. Incorporating existing monitoring points, if possible, is preferable to costly well drilling programs.

**ANALYSIS**

Below is a list of tasks and funds associated with this program for FY 2022-23.

| Task No. | Description of Work | **Agency Funds** | USGS Funds | Total Funds |
|---|---|---|---|---|
| 1 | Water-Level Monitoring | **60,601** | 14,049 | 74,650 |
| 2 | Water-Quality Monitoring | **73,179** | 9,579 | 82,758 |
| 3 | Website Updates | **2,394** | 599 | 2,993 |
| 4 | Calimesa Subarea Data Collection | **7,433** | 1,756 | 9,189 |
| | *Total:* | ***143,607*** | *$25,983* | *$169,590* |

The USGS has procured Cooperative Matching Funds (CMF) of $25,983 to augment the total cost of this year's program. This is a slight decrease in USGS matching funds over last year and a slight increase ~$12,000 increase in the Agency portion compared to the previous year. It should be noted that Tasks 3 and 4 are new scope items compared to last year.

A letter specifying work and expected matching funds from the USGS is attached (Attachment 1). Signing this letter will commit parties to specified work associated with Tasks 1 through 4. Following the signing of the attached letter, matching funds will be secured, and the USGS will prepare a Joint Funding Agreement.

## FISCAL IMPACT

The fiscal impact for the Agency would be $143,607, with $25,983 being matched by the USGS for a total of $169,590 for FY 2022-23.

The Agency has budgeted $150,000 in the FY 2022-23 General Fund Budget for USGS services.

## ACTION

Enter into the USGS Joint Funding Agreement with the USGS for FY 2022-23.

## ATTACHMENT

1. August 31, 2022, USGS Letter to enter a Joint Funding Agreement and Agreement Materials

# United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street, Placer Hall
California State University
Sacramento, California 95819-6129
Phone: (916) 278-3000 Fax: (916) 278-3070
https://www.usgs.gov/centers/ca-water/


August 31, 2022

Lance Eckhart, PG, CHG
General Manager/Chief Hydrogeologist
San Gorgonio Pass Water Agency
1210 Beaumont Ave.
Beaumont CA 92223

Dear Mr. Eckhart:

This letter confirms discussions between our respective staffs concerning the cooperative program between the San Gorgonio Pass Water Agency (SGPWA) and the U.S. Geological Survey (USGS) during the period October 31, 2022, to November 30, 2023.

The work proposed under the enclosed Joint Funding Agreement (JFA) is a continuation of the cooperative basin-wide monitoring network and to characterize a planned artificial-recharge site in the Calimesa subarea for conjunctive use in the San Gorgonio Pass area. The program consists of four main tasks: Task 1, basin-wide water-level monitoring; Task 2, basin-wide water-quality monitoring; Task 3, website updates; Task 4, collect information and water-level data from existing wells in the Calimesa subarea. A description of progress on these tasks is included as an attachment to this letter.

The total cost of the proposed cooperative water-resources program is $169,590 (table 1). Of this total, the SGPWA will contribute $143,607 and, subject to the availability of Cooperative Matching Funds (CMF), the USGS will contribute $25,983. The proposed period for this program is October 31, 2022, to November 30, 2023.

**Table 1. FFY23 Budget**

| Program element | | USGS | SGPWA | Total |
|---|---|---|---|---|
| Task 1 | Water-Level Monitoring | $14,049 | $60,601 | $74,650 |
| Task 2 | Water-Quality Monitoring | $9,579 | $73,179 | $82,758 |
| Task 3 | Website Updates | $599 | $2,394 | $2,993 |
| Task 4 | Calimesa subarea data collection | $1,756 | $7,433 | $9,189 |
| **Total** | | $25,983 | $143,607 | $169,590 |

Enclosed is a digital version of Joint Funding Agreement (JFA) 23ZGJFA21000067 for your approval. If you are in agreement with the proposed program, please return a fully executed JFA to our office via email address iarios@usgs.gov. Work performed with funds from this agreement will be conducted on a fixed-price basis.

If you have any questions concerning the program described above, please contact Adam R. Kjos at (619) 225-6145 or Christina Stamos at (619) 225-6141 in our San Diego Office. If you have any administrative questions, please contact Irene Rios at (619) 225-6156.

Sincerely,

Mark Dickman
Acting Director, USGS California Water Science Center

Enclosures:
Cc Adam R. Kjos, USGS CAWSC
Christina Stamos, USGS CAWSC

**Form 9-1366**
**(May 2018)**

**U.S. Department of the Interior**
**U.S. Geological Survey**
**Joint Funding Agreement**
**FOR**
**Water Resource Investigations**

**Customer #: 6000000967**
**Agreement #: 23ZGJFA21000067**
**Project #: ZG00AOY**
**TIN #:**

**Fixed Cost Agreement YES[ X ] NO[ ]**

THIS AGREEMENT is entered into as of the October 31, 2022, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the San Gorgonio Pass Water Agency party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation Water Resource Investigations (per attachment), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of $0.00

(a) $25,983 by the party of the first part during the period October 31, 2022 to November 30, 2023

(b) $143,607 by the party of the second part during the period October 31, 2022 to November 30, 2023

(c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of:

Description of the USGS regional/national program:

(d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

(e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (https://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices).

**Form 9-1366**
**(May 2018)**

**U.S. Department of the Interior**
**U.S. Geological Survey**
**Joint Funding Agreement**
**FOR**
**Water Resource Investigations**

**Customer #: 6000000967**
**Agreement #: 23ZGJFA21000067**
**Project #: ZG00AOY**
**TIN #:**

9. Billing for this agreement will be rendered **quarterly**. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

**USGS Technical Point of Contact**

Name: Adam Kjos, Hydrologist

Address: 4165 Spruance Rd., Ste 200
San Diego, CA 92101
,

Telephone: 619-225-6145
Fax:
Email: adamkjos@usgs.gov

**Customer Technical Point of Contact**

Name: Lance Eckhart, General Manager

Address: 1210 Beaumont Ave
Beaumont, CA 92223
,

Telephone: 951-845-2577
Fax:
Email: leckhart@sgpwa.com

**USGS Billing Point of Contact**

Name: Irene Rios, Budget Analyst

Address: 4165 Spruance Rd., Ste 200
San Diego, CA 92101
,

Telephone: 619-225-6156
Fax:
Email: iarios@usgs.gov

**Customer Billing Point of Contact**

Name: Lance Eckhart, General Manager

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Beaumont, CA 92223
,

Telephone: 951-845-2577
Fax:
Email: lechart@sgpwa.com

**U.S. Geological Survey**
**United States**
**Department of Interior**

**Signature**

**By**_____ **Date: 08/30/2022**
**Name:** Mark Dickman
**Title:** Acting Director, USGS California Water Science Center

**San Gorgonio Pass Water Agency**

**Signatures**

**By**_____ **Date:** _____
**Name: Mr. Lance Eckhart**
**Title: General Manager, San Gorgonio Pass WA**

**By**_____ **Date:** _____
**Name:**
**Title:**

**By**_____ **Date:** _____
**Name:**
**Title:**

# San Gorgonio Pass Water Agency Cooperative Program: Progress, Plans, and Costs

## Task 1 – Groundwater-Level Monitoring

### *Progress*

A basin-wide groundwater-level monitoring (GW) network was established in the San Gorgonio Pass area in Federal Fiscal Year 1997 (FFY97) to evaluate existing hydrologic conditions and to monitor the effects of pumping and artificial recharge on the groundwater system. A key component of the network is collecting data from the multiple-well monitoring sites, which provide information on water-level changes and potential vertical gradients within aquifers. During FYY22, continuous (hourly) water-level data were collected, analyzed, reviewed, and approved at 27 wells; this includes quarterly discrete water-level measurements at 28 wells. Additionally, semi-annual discrete water-level measurements were taken at all accessible wells (up to 84) in the spring and fall in the water-level network (table 2).

### *Plans*

In FFY23, the U.S. Geological Survey (USGS) personnel will take measurements at 28 wells quarterly (table 2 and figure 1). The transducer network will be reduced from 27 wells to 18 wells. Data from sites with transducers were evaluated to determine the feasibility and value of the continuous data. It was determined that the hydrologic conditions at some sites with transducers are adequately monitored by the quarterly discrete water-level measurements, resulting in the reduction from 6 transducer sites in FFY22 to 9 transducer sites in FFY23. Transducers in 9 wells at Sites 3, 8, and 10 will be discontinued from continuous (hourly) monitoring and the transducers will be removed during the FFY23 first-quarter visit.

USGS personnel will also be accompanying San Gorgonio Pass Water Agency (SGPWA) personnel semi-annually in the spring and fall and will attempt to measure discrete water-levels at 84 wells (table 2 and figure 1). Data collected as part of the water-level network are available through the USGS National Water Information System (NWIS) online database. Links to these wells are provided in table 2.

An additional sub-task associated with the groundwater-level monitoring this FFY is the added requirement of setting secondary reference marks and leveling them in at continuous monitoring sites. The discontinuation of continuous water-level data collection at 9 wells (3 sites); allowed for the addition of Task 4 (Calimesa subarea data collection). The addition of secondary reference marks is unique to this FFY and re-leveling of these secondary marks is currently required every 5 years. Further review of hydrographic records with respect to continuous data and static water-level measurements of continuous groundwater-level monitoring sites will be completed and the continued need for data collection and analysis for subsequent program years will be evaluated; current evaluations are noted in table 2.

Total cost for the above work is $74,650. Of this total, SGPWA will contribute $60,601 and subject to the availability of Cooperative Matching Funds (CMF), the USGS will contribute $14,049, as reflected in the summary funding table 1.

**Task 1, FFY 2023 cost for water-level monitoring $ 74,650**

# Task 2 – Water-Quality Monitoring

## *Progress*

In FFY21, it was decided to restructure the water-quality (QW) network to minimize the annual increase in network costs, resulting from the addition of 11 newly constructed wells at Sites 11, 12, and 13 (fig. 2). The sample interval of each well in the water-quality network was increased to every four years instead of three. This ensures that each site will be sampled on a regular basis and help maintain reasonable costs compared to previous years. The water-quality network currently has a total of 49 wells.

In FFY22, the USGS sampled 12 of the planned 13 wells. Water samples were collected and analyzed for major ions, nutrients, selected trace elements, and stable isotopes of oxygen and hydrogen. Samples collected from selected wells also were analyzed for chromium-3 and chromium-6 redox species, based on the concentration of dissolved chromium from the previous years' sampling results. Complete results for all samples collected as part of the water-quality monitoring network are available through the USGS NWIS online database. NWIS links to individual wells are provided in table 3.

## *Plans*

The current water-quality monitoring network includes 49 wells (table 3 and fig. 2). During FFY23, the USGS plans to sample 13 network wells including quality assurance samples (replicates and blank samples). This includes production well 3S/2E-09E1S, which was not in operation and was unavailable to be sampled during FFY22. The samples collected will be analyzed for major ions, nutrients, selected trace elements, stable isotopes of oxygen and hydrogen, and chromium speciation. In the Calimesa subarea, stable isotope samples will be collected and basic field parameters (pH, specific conductance, water temperature) will be recorded at up to 8 wells. This will likely include production wells of the South Mesa Water Company, which are down gradient of the proposed recharge facility of SGPWA. All data collected will be entered into the USGS NWIS database with appropriate quality control measures and will be available through the USGS NWIS online database. In addition, an initial assessment is planned in FFY23 to canvas and sample existing wells in the southern Calimesa subarea (see Task 4), sampling costs are included in this task.

Total cost for Task 2 is $82,758. Of this total, SGPWA will contribute $73,179 and subject to the availability of Cooperative Matching Funds (CMF), the USGS will contribute $9,579, as reflected in the summary funding table 1.

**Task 2, FFY 2023 cost for water-quality monitoring $ 82,758**

## Task 3 –Project Website Updates

### *Progress*

Currently a descriptive USGS project website is publicly available for this study at:

https://www.usgs.gov/centers/california-water-science-center/science/san-gorgonio-pass-artificial-recharge-investigation

In FFY21, a large amount for geospatial data were compiled with appropriate references directly related to the study area. This data is best served through a web interface and otherwise would require specialized software to access.

### *Plans*

The FFY23, website updates include the addition of interactive maps with NWIS online database links to currently available data for sites in the study area, general updates to reflect current work, and the integration of currently compiled geospatial data.

Total cost for Task 3 is $2,993. Of this total, SGPWA will contribute $2,394 and subject to the availability of Cooperative Matching Funds (CMF), the USGS will contribute $599, as reflected in the summary funding table 1.

**Task 3, FFY 2023 cost for project website updates $2,993**

## Task 4 – Calimesa Subarea Data Collection

### *Progress*

SGPWA's recent acquisition of property and the planned development of a recharge facility in the southern Calimesa subarea (fig. 1) requires expansion of the basin-wide monitoring network. Current water-quality and water-level information in this area are lacking. To establish a baseline of groundwater conditions prior to managed-aquifer recharge and to better identify potential future changes in this area, additional monitoring sites are needed.

# San Gorgonio Pass Water Agency Cooperative Program: Progress, Plans, and Costs

## *Plans*

The current water-level and water-quality network does not encapsulate conditions in the southern Calimesa subarea. In FFY23, a preliminary field survey of potential water-level monitoring and water-quality sites in this area will be conducted. Potential sites will be canvassed, available site information will be gathered and entered in USGS databases. All data collected will be provided to the SGPWA. Specifically, canvassing of the South Mesa Water Company production wells down-gradient of the proposed recharge facility will be canvassed and sampled for stable isotopes of oxygen and hydrogen (sampling costs are included in Task 2). Additionally, a search and review for potential wells (domestic, irrigation, municipal supply, monitoring) will be conducted using publicly available well-record databases for future expansion of the network. Following this task, a list of 8-10 wells will be selected for adding to the network; all other sites will be saved for future potential sampling and/or water-level monitoring.

Total cost for Task 4 is $9,189. Of this total, SGPWA will contribute $7,433 and subject to the availability of Cooperative Matching Funds (CMF), the USGS will contribute $1,756, as reflected in the summary funding table 1.

**Task 4, FFY 2023 cost for Calimesa subarea investigation $ 9,189**

***Total FFY 2023 costs for task 1-4 $ 169,590***

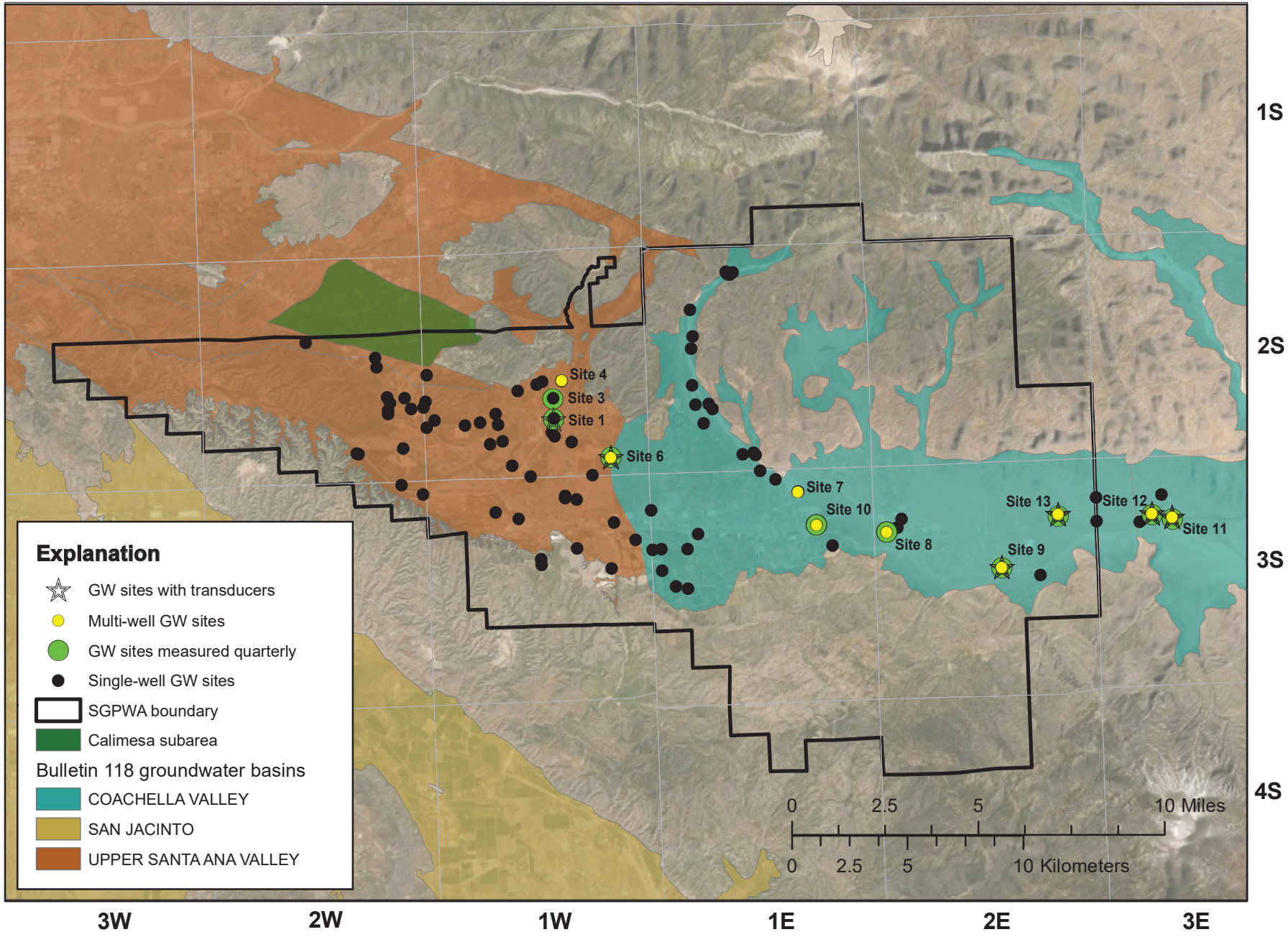


Figure 1. Proposed sites for the FFY23 water-level monitoring network.

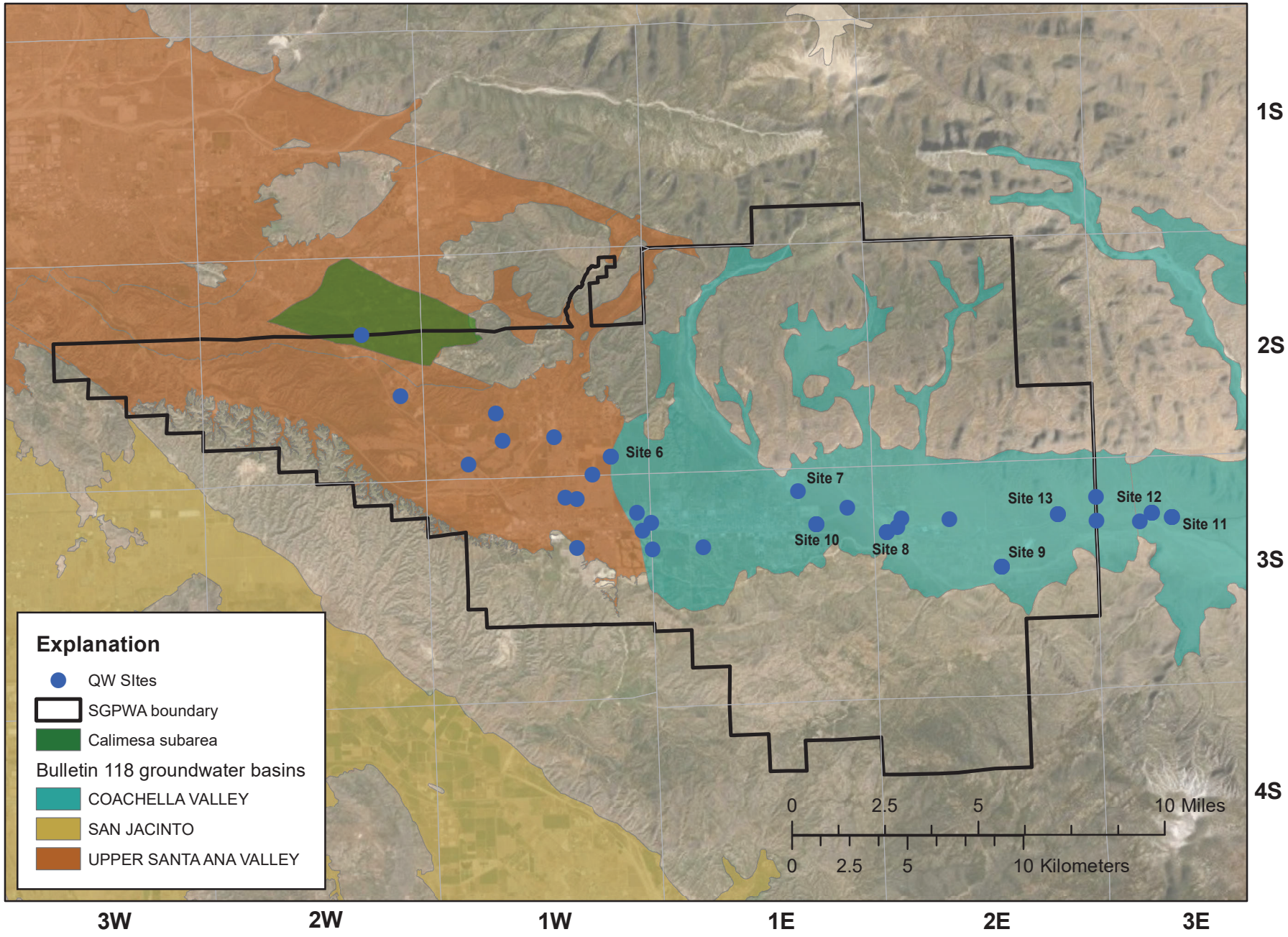


Figure 2. Map showing the water-quality network. Established propossed sites for FFY23 are listed in table 3. Additional sites in the Calimesa subarea will be determined this FFY.

Table 2. Water-level network.

| State well number | USGS site number | Site name | Measurement schedule | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|
| 2S/1E--04L1 | 340126116532501 | | Semi-annual | 34.0240028 | -116.8901306 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340126116532501 |
| 2S/1E--04L2 | 340124116531901 | | Semi-annual | 34.0231917 | -116.8884972 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340124116531901 |
| 2S/1E--04L3 | 340126116531301 | | Semi-annual | 34.0237750 | -116.8869306 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340126116531301 |
| 2S/1E-04N1 | 340124116532301 | | Semi-annual | 34.0234722 | -116.8897500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340124116532301 |
| 2S/1E-04P3 | 340123116532201 | | Semi-annual | 34.0232778 | -116.8894722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340123116532201 |
| 2S/1E-08M1 | 340035116542701 | | Semi-annual | 34.0099167 | -116.9076111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340035116542701 |
| 2S/1E-17F2 | 335928116542001 | | Semi-annual | 33.9996250 | -116.9067000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335928116542001 |
| 2S/1E-17M1 | 335942116542701 | | Semi-annual | 33.9951111 | -116.9076750 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335942116542701 |
| 2S/1E-20P1 | 335851116542701 | | Semi-annual | 33.9808333 | -116.9077500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335851116542701 |
| 2S/1E-29B1 | 335845116535801 | | Semi-annual | 33.9733056 | -116.9002806 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335845116535801 |
| 2S/1E-29G1 | 335823116542301 | | Semi-annual | 33.9731944 | -116.9063889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335823116542301 |
| 2S/1E-29H1 | 335817116535401 | | Semi-annual | 33.9712750 | -116.8984556 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335817116535401 |
| 2S/1E-29K2 | 335757116541001 | | Semi-annual | 33.9658333 | -116.9027778 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335757116541001 |
| 2S/1E-33J1 | 335707116524101 | | Semi-annual | 33.9539667 | -116.8797528 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335707116524101 |
| 2S/1E-33J2 | 335715116524701 | | Semi-annual | 33.9539667 | -116.8797528 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335715116524701 |
| 2S/1E-33J4 | 335712116524501 | | Semi-annual | 33.9532056 | -116.8789861 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335712116524501 |
| 2S/1E-33K1 | 335712116530501 | | Semi-annual | 33.9535278 | -116.8849444 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335712116530501 |
| 2S/1W-19D1 | 335916117015601 | | Semi-annual | 33.9878333 | -117.0324722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335916117015601 |
| 2S/1W-19N1 | 335840117015801 | | Semi-annual | 33.9777722 | -117.0336194 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335840117015801 |
| 2S/1W-21L4 | 335849116592101 | | Semi-annual | 33.9807500 | -116.9899056 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335849116592101 |
| 2S/1W-22-1 | 335902116583701 | | Semi-annual | 33.9840306 | -116.9781583 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335902116583701 |
| 2S/1W-22G3 | 335902116580901 | Site 4 | Semi-annual | 33.9841333 | -116.9692222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335902116580901 |
| 2S/1W-22G4 | 335903116580902 | Site 4 | Semi-annual | 33.9841333 | -116.9692222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335903116580902 |
| 2S/1W-22M1 | 335859116584901 | | Semi-annual | 33.9831234 | -116.9807959 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335859116584901 |
| 2S/1W-22P6 | 335838116582504 | Site 3 | Quarterly[1] | 33.9771306 | -116.9734972 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335838116582504 |
| 2S/1W-27L1 | 335807116582201 | Site 1 | Quarterly[2] | 33.9685417 | -116.9735583 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335807116582201 |
| 2S/1W-27P2 | 335746116582301 | | Semi-annual | 33.9628330 | -116.9731940 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335746116582301 |
| 2S/1W-27P3 | 335750116582701 | | Semi-annual | 33.9640280 | -116.9743890 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335750116582701 |
| 2S/1W-29G5 | 335808117002601 | | Semi-annual | 33.9689044 | -117.0080833 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335808117002601 |
| 2S/1W-29H1 | 335820116595901 | | Semi-annual | 33.9721917 | -117.0005611 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335820116595901 |
| 2S/1W-29J2 | 335804116595801 | | Semi-annual | 33.9678889 | -116.9996389 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335804116595801 |
| 2S/1W-29M2 | 335807117005601 | | Semi-annual | 33.9680712 | -117.0153058 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335807117005601 |
| 2S/1W-30E3 | 335813117014301 | | Semi-annual | 33.9702139 | -117.0294611 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335813117014301 |
| 2S/1W-30M2 | 335803117015901 | | Semi-annual | 33.9677500 | -117.0332500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335803117015901 |

| State well number | USGS site number | Site name | Measurement schedule | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|
| 2S/1W-32B3 | 335737117001301 | | Semi-annual | 33.9605000 | -117.0036667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335737117001301 |
| 2S/1W-33D1 | 335741116595201 | | Semi-annual | 33.9613889 | -116.9977778 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335741116595201 |
| 2S/1W-33L1 | 335707116593401 | | Semi-annual | 33.9519603 | -116.9936379 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335707116593401 |
| 2S/1W-33R2 | 335651116590601 | | Semi-annual | 33.9476139 | -116.9850528 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335651116590601 |
| 2S/1W-34A2 | 335740116575001 | | Semi-annual | 33.9603361 | -116.9652472 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335740116575001 |
| 2S/1W-35J1 | 335714116565001 | Site 6 | Quarterly[2] | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565001 |
| 2S/1W-35J2 | 335714116565002 | Site 6 | Quarterly[2] | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565002 |
| 2S/1W-35J3 | 335714116565003 | Site 6 | Quarterly[2] | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565003 |
| 2S/1W-35J4 | 335714116565004 | Site 6 | Quarterly | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565004 |
| 2S/1W-35P1 | 335650116572101 | | Semi-annual | 33.9473611 | -116.9559722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335650116572101 |
| 2S/2W-14J2 | 335943117032001 | | Semi-annual | 33.9952667 | -117.0563778 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335943117032001 |
| 2S/2W-14R1 | 335930117032101 | | Semi-annual | 33.9915222 | -117.0558556 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335930117032101 |
| 2S/2W-16A1 | 340006117051801 | | Semi-annual | 34.0017833 | -117.0890306 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340006117051801 |
| 2S/2W-24K2 | 335846117023201 | | Semi-annual | 33.9793361 | -117.0430972 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335846117023201 |
| 2S/2W-24M2 | 335847117030201 | | Semi-annual | 33.9799194 | -117.0514083 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335847117030201 |
| 2S/2W-24N2 | 335840117025701 | | Semi-annual | 33.9776611 | -117.0501250 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335840117025701 |
| 2S/2W-25B1 | 335830117022201 | | Semi-annual | 33.9751583 | -117.0404222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335830117022201 |
| 2S/2W-25B5 | 335831117020401 | | Semi-annual | 33.9753611 | -117.0345000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335831117020401 |
| 2S/2W-25D1 | 335829117030101 | | Semi-annual | 33.9748333 | -117.0511083 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335829117030101 |
| 2S/2W-25D2 | 335824117030101 | | Semi-annual | 33.9733583 | -117.0512250 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335824117030101 |
| 2S/2W-35D5 | 335731117035601 | | Semi-annual | 33.9586271 | -117.0664195 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335731117035601 |
| 2S/2W-35D6 | 335729117035401 | | Semi-annual | 33.9581750 | -117.0657639 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335729117035401 |
| 2S/2W-36C1 | 335735117023401 | | Semi-annual | 33.9598214 | -117.0446962 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335735117023401 |
| 3S/1E-03C2 | 335636116520901 | | Semi-annual | 33.9433694 | -116.8699750 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335636116520901 |
| 3S/1E-03J1 | 335618116513401 | Site 7 | Semi-annual | 33.9383333 | -116.8594722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335618116513401 |
| 3S/1E-03J2 | 335618116513402 | Site 7 | Semi-annual | 33.9383333 | -116.8594722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335618116513402 |
| 3S/1E-04A1 | 335649116523401 | | Semi-annual | 33.9469472 | -116.8769917 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335649116523401 |
| 3S/1E-06N1 | 335558116554001 | | Semi-annual | 33.9330306 | -116.9288139 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335558116554001 |
| 3S/1E-08M1 | 335523116542301 | | Semi-annual | 33.9230917 | -116.9071472 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335523116542301 |
| 3S/1E-11F1 | 335531116510401 | Site10 | Quarterly[3] | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510401 |
| 3S/1E-11F2 | 335531116510402 | Site10 | Quarterly[3] | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510402 |
| 3S/1E-11F3 | 335531116510403 | Site10 | Quarterly[3] | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510403 |
| 3S/1E-11F4 | 335531116510404 | Site10 | Quarterly[3] | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510404 |
| 3S/1E-14A1 | 335502116503601 | | Semi-annual | 33.9172380 | -116.8441867 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335502116503601 |

| State well number | USGS site number | Site name | Measurement schedule | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|
| 3S/1E-18A1 | 335504116544201 | | Semi-annual | 33.9176306 | -116.9124500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335504116544201 |
| 3S/1E-18C1 | 335504116552601 | | Semi-annual | 33.9177083 | -116.9247944 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335504116552601 |
| 3S/1E-18D1 | 335504116554101 | | Semi-annual | 33.9176889 | -116.9289250 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335504116554101 |
| 3S/1E-18L1 | 335434116552601 | | Semi-annual | 33.9095528 | -116.9246167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335434116552601 |
| 3S/1E-19A1 | 335408116544601 | | Semi-annual | 33.9023611 | -116.9127778 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335408116544601 |
| 3S/1E-19B1 | 335412116550401 | | Semi-annual | 33.9033639 | -116.9182500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335412116550401 |
| 3S/1W-02M1 | 335616116574901 | | Semi-annual | 33.9380000 | -116.9637222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335616116574901 |
| 3S/1W-03K1 | 335623116581701 | | Semi-annual | 33.9397333 | -116.9690917 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335623116581701 |
| 3S/1W-03K2 | 335621116581701 | | Semi-annual | 33.9386806 | -116.9690972 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335621116581701 |
| 3S/1W-05R3 | 335603117000401 | | Semi-annual | 33.9341829 | -117.0019714 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335603117000401 |
| 3S/1W-09C4 | 335552116592801 | | Semi-annual | 33.9311667 | -116.9913056 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335552116592801 |
| 3S/1W-10R3 | 335509116575101 | | Semi-annual | 33.9192167 | -116.9641806 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335509116575101 |
| 3S/1W-12E1 | 335543116564801 | | Semi-annual | 33.9286111 | -116.9466667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335543116564801 |
| 3S/1W-12L1 | 335519116561701 | | Semi-annual | 33.9218944 | -116.9367528 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335519116561701 |
| 3S/1W-14J2 | 335440116565101 | | Semi-annual | 33.9111276 | -116.9483578 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335440116565101 |
| 3S/1W-15D5 | 335456116585001 | | Semi-annual | 33.9155721 | -116.9814147 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335456116585001 |
| 3S/1W-15E1 | 335447116585201 | | Semi-annual | 33.9131444 | -116.9812250 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335447116585201 |
| 3S/2E-07G2 | 335535116483801 | | Semi-annual | 33.9264042 | -116.8114075 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335535116483801 |
| 3S/2E-07K1 | 335523116484601 | | Semi-annual | 33.9231111 | -116.8135000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335523116484601 |
| 3S/2E-07P1 | 335513116490601 | Site 8 | Quarterly[3] | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490601 |
| 3S/2E-07P2 | 335513116490602 | Site 8 | Quarterly[3] | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490602 |
| 3S/2E-07P3 | 335513116490603 | Site 8 | Quarterly[3] | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490603 |
| 3S/2E-07P4 | 335513116490604 | Site 8 | Quarterly[3] | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490604 |
| 3S/2E-15P1 | 335423116455301 | Site 9 | Quarterly[2] | 33.9064167 | -116.7648889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455301 |
| 3S/2E-15P2 | 335423116455302 | Site 9 | Quarterly[2] | 33.9064167 | -116.7648889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455302 |
| 3S/2E-15P3 | 335423116455303 | Site 9 | Quarterly[2] | 33.9064167 | -116.7648889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455303 |
| 3S/2E-23C1 | 335411116444601 | | Semi-annual | 33.9030712 | -116.7469608 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335411116444601 |
| 3S/2W-01C1 | 335645117024201 | | Semi-annual | 33.9456333 | -117.0459722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335645117024201 |
| 3S/2W-01H1 | 335631117020601 | | Semi-annual | 33.9419583 | -117.0359472 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335631117020601 |
| 3S/3E-07D1 | 335556116431001 | | Semi-annual | 33.9322222 | -116.7194444 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335556116431001 |
| 3S/3E-07M1 | 335522116430701 | | Semi-annual | 33.9230705 | -116.7197378 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335522116430701 |
| 3S/3E-08A1 | 335557116411901 | | Semi-annual | 33.9324444 | -116.6887222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335557116411901 |
| 3S/3E-08M1 | 335522116415201 | | Semi-annual | 33.9222222 | -116.6993889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335522116415201 |
| 3S/3E-09M1 | 335525116410201 | Site 11 | Quarterly[2] | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410201 |

| State well number | USGS site number | Site name | Measurement schedule | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|
| 3S/3E-09M2 | 335525116410202 | Site 11 | Quarterly[2] | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410202 |
| 3S/3E-09M3 | 335525116410203 | Site 11 | Quarterly[2] | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410203 |
| 3S/3E-09M4 | 335525116410204 | Site 11 | Quarterly[2] | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410204 |
| 3S/3E-08L1 | 335530116413701 | Site 12 | Quarterly[4] | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413701 |
| 3S/3E-08L2 | 335530116413702 | Site 12 | Quarterly[4] | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413702 |
| 3S/3E-08L3 | 335530116413703 | Site 12 | Quarterly[4] | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413703 |
| 3S/3E-08L4 | 335530116413704 | Site 12 | Quarterly[4] | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413704 |
| 3S/2E-11H1 | 335534116441501 | Site 13 | Quarterly[4] | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441501 |
| 3S/2E-11H2 | 335534116441502 | Site 13 | Quarterly[4] | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441502 |
| 3S/2E-11H3 | 335534116441503 | Site 13 | Quarterly[4] | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441503 |

[1]Discontinue transducer measurements. Well in perched zone and site is no longer used for recharge. Dry since 2016.

[2]Equipped with pressure transducers (60-minute intervals).

[3]Transducer will be removed in FFY23; discrete data represent hydrologic trend and min/max/ Switch to quarterly discrete measurements.

[4]Newer Site. Discrete data currently represent hydrologic trend; potential candidate to remove transducers in FFY24.

Table 3. Water-quality network.

| State Well number | USGS site number | Well Type | Site name | Sampling year | | | | | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 | | | |
| 2S/1W-32M1S | 335709117004701 | Production well | | | | X | | | 33.9526139 | -117.0140528 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335709117004701 |
| 2S/1W-35J1S | 335714116565001 | SGPWA monitoring well | Site 6 | | | | X | | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565001 |
| 2S/1W-35J2S | 335714116565002 | SGPWA monitoring well | Site 6 | | | | X | | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565002 |
| 2S/1W-35J3S | 335714116565003 | SGPWA monitoring well | Site 6 | | | | X | | 33.9540139 | -116.9472111 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335714116565003 |
| 2S/2W-14C1S | 340014117034301 | Production well | | | | X | | | 34.0038972 | -117.0627167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=340014117034301 |
| 2S/2W-24L1S | 335848117024301 | Production well | | | | | X | | 33.9799417 | -117.0451889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335848117024301 |
| 3S/1E-07E2S | 335540116553901 | Production well | | | X | | | | 33.9278361 | -116.9289833 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335540116553901 |
| 3S/1E-12D1S | 335552116500901 | Production well | | | | X | | | 33.9311264 | -116.8366863 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335552116500901 |
| 3S/1E-17C1S | 335504116541501 | Production well | | | X | | | | 33.9177528 | -116.9050389 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335504116541501 |
| 3S/1E-18D1S | 335504116554101 | Production well | | | | | X | | 33.9176889 | -116.9289250 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335504116554101 |
| 3S/1W-03K2S | 335621116581701 | Production well | | | | X | | | 33.9386810 | -116.9690970 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335621116581701 |
| 3S/1W-10R4S | 335509116575201 | Production well | | | | X | | | 33.9192167 | -116.9641806 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335509116575201 |
| 3S/1W-12B2S | 335556116560701 | Production well | | | X | | | | 33.9321750 | -116.9356194 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335556116560701 |
| 3S/1W-12K1S | 335530116555901 | Production well | | | | X | | | 33.9250028 | -116.9332583 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116555901 |
| 3S/1E-11F1S | 335531116510401 | SGPWA monitoring well | Site 10 | | | | X | | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510401 |
| 3S/1E-11F2S | 335531116510402 | SGPWA monitoring well | Site 10 | | | | X | | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510402 |
| 3S/1E-11F3S | 335531116510403 | SGPWA monitoring well | Site 10 | | | | X | | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510403 |
| 3S/1E-11F4S | 335531116510404 | SGPWA monitoring well | Site 10 | | | | X | | 33.9252970 | -116.8513470 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335531116510404 |
| 3S/2E-07G2S | 335535116483801 | Production well | | | X | | | | 33.9264042 | -116.8114075 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335535116483801 |
| 3S/2E-07K1S | 335523116484601 | Production well | | | X | | | | 33.9231111 | -116.8135000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335523116484601 |
| 3S/2E-09E1S | 335532116471701 | Production well | | | X | | X[1] | X | 33.9256944 | -116.7887500 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335532116471701 |
| 3S/3E-07D1S | 335556116431001 | Production well | | | | X | | | 33.9322222 | -116.7194444 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335556116431001 |
| 3S/3E-07M1S | 335522116430701 | Production well | | | | | X | | 33.9230705 | -116.7197378 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335522116430701 |
| 3S/3E-08M1S | 335522116415201 | Production well | | | X | | | | 33.9222222 | -116.6993889 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335522116415201 |
| 2S/1W-27P1S | 335743116582401 | Production well | | | X | | | | 33.9621250 | -116.9734444 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335743116582401 |
| 2S/1W-33D2S | 335741116595201 | Production well | | | | | X | | 33.9613889 | -116.9977778 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335741116595201 |
| 3S/1E-03J1S | 335618116513401 | SGPWA monitoring well | | X | | | | X | 33.9383333 | -116.8594722 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335618116513401 |
| 2S/1W-29H1S | 335820116595901 | Production well | | | | X | | | 33.9721920 | -117.0005610 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335820116595901 |
| 2S/1W-35P1S | 335650116572101 | Production well | | | | | X | | 33.9473300 | -116.9560280 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335650116572101 |
| 3S/1W-02M1S | 335616116574901 | Production well | | | X | | | | 33.9379440 | -116.9636670 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335616116574901 |
| 3S/2E-07P1S | 335513116490601 | SGPWA monitoring well | Site 8 | | | X | | | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490601 |
| 3S/2E-07P2S | 335513116490602 | SGPWA monitoring well | Site 8 | | | X | | | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490602 |
| 3S/2E-07P3S | 335513116490603 | SGPWA monitoring well | Site 8 | | | X | | | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490603 |
| 3S/2E-07P4S | 335513116490604 | SGPWA monitoring well | Site 8 | | | X | | | 33.9214833 | -116.8184167 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335513116490604 |
| 3S/2E-15P1S | 335423116455301 | SGPWA monitoring well | Site 9 | | X | | | | 33.9064170 | -116.7648890 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455301 |
| 3S/2E-15P2S | 335423116455302 | SGPWA monitoring well | Site 9 | | X | | | | 33.9064170 | -116.7648890 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455302 |
| 3S/2E-15P3S | 335423116455303 | SGPWA monitoring well | Site 9 | | X | | | | 33.9064170 | -116.7648890 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335423116455303 |
| 3S/1E-10N1S | 335515116522801 | Production well | | | | X | | | 33.9064170 | -116.7648890 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335515116522801 |
| 3S/3E-09M1 | 335525116410201 | SGPWA monitoring well | Site 11 | X | | | | X | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410201 |
| 3S/3E-09M2 | 335525116410202 | SGPWA monitoring well | Site 11 | X | | | | X | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410202 |
| 3S/3E-09M3 | 335525116410203 | SGPWA monitoring well | Site 11 | X | | | | X | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410203 |
| 3S/3E-09M4 | 335525116410204 | SGPWA monitoring well | Site 11 | X | | | | X | 33.9236111 | -116.6840000 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335525116410204 |

| State Well number | USGS site number | Well Type | Site name | | Sampling year | | Latitude (NAD83) | Longitude (NAD83) | Link to USGS online data containing site, water-quality, and water-level data |
|---|---|---|---|---|---|---|---|---|---|
| 3S/3E-08L1 | 335530116413701 | SGPWA monitoring well | Site 12 | X | | X | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413701 |
| 3S/3E-08L2 | 335530116413702 | SGPWA monitoring well | Site 12 | X | | X | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413702 |
| 3S/3E-08L3 | 335530116413703 | SGPWA monitoring well | Site 12 | X | | X | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413703 |
| 3S/3E-08L4 | 335530116413704 | SGPWA monitoring well | Site 13 | X | | X | 33.9252222 | -116.6936667 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335530116413704 |
| 3S/2E-11H1 | 335534116441501 | SGPWA monitoring well | Site 13 | X | | X | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441501 |
| 3S/2E-11H2 | 335534116441502 | SGPWA monitoring well | Site 13 | X | | X | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441502 |
| 3S/2E-11H3 | 335534116441503 | SGPWA monitoring well | Site 13 | X | | X | 33.9261667 | -116.7377222 | http://waterdata.usgs.gov/nwis/inventory/?site_no=335534116441503 |

[1]Well 3S/2E-09E1S was non-operational during sampling in FFY22.