



**Grantee Name:** Borrego Water District  
**Grant Agreement No.:** 46-14652  
**Progress Report No.:** PR #01  
**Reporting Period:** 12/17/2021 TO 3/31/2023  
**Prepared:** Submitted Date

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**Project:** Implementation Project for the Borrego Springs Sub Basin

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## **1. Project or Component Description**

### **Component 1: Grant Administration**

Component 1 will provide the general grant oversight and management and ensure invoicing, reporting, and deliverables are turned in on time and in final format.

### **Component 2: Advanced Meter Infrastructure**

Component 2 will replace over 2,000 manual read water meters in the Borrego Water District service area with Advanced Meter Infrastructure.

### **Component 3: Wastewater Treatment Plant Monitoring Wells**

Component 3 will install monitoring wells to detect potential water quality issues on parcels adjacent to the Rams Hill Waste Water Treatment Plant operated by the Borrego Water District.

### **Component 4: Education Project**

Component 4 will create and implement a Career Technical Education Pathway in Energy, Environment and Utilities for Borrego Springs Middle and High Schools to educate students about water sustainability challenges in the basin.

### **Component 5: Resiliency Strategy**

Component 5 will identify, prioritize and implement initiatives supporting the Borrego Valley GMP projects and management actions to minimize undesirable results.

### **Component 6: Biological Restoration of Fallowed Lands**

Component 6 will develop guidance on techniques to mitigate the potential adverse impacts associated with the fallowing of lands and test cases of biological restoration techniques on fallowed lands.

### **Component 7: Monitoring, Reporting and Groundwater Management Plan Update**

Component 7 will provide and maintain dataset of groundwater pumping, levels and quality to be reported to CASGEM, CEDEN and GAMA. It will include creation of monitoring stations and wells as well as abandonment or conversion to monitoring of inactive wells.



## Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring

Component 8 will reassess groundwater dependent ecosystems and evaluate impacts of changing groundwater elevations.

## 2. Project Progress

### Component 1: Grant Administration

- Updates on All Tasks (activities accomplished during the reporting period):
  - Coordinate and enter into agreements with subgrantees.
  - Work with subgrantees for EIF information and deliverables schedule.
  - Be available to answer questions and provide assistance.
- Milestones or Deliverables Completed/Submitted
  - EIF
  - Deliverable Due Date Schedule
  - Quarterly Progress Report & Invoices for period thru 03/31/2023
- Impediments to Completion of Task
  - None
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Delays in execution of BWD/DWR Grant Agreement resulted in a late start for some subgrantees. It is unknown if schedules will be affected.

### Component 2: Advanced Meter Infrastructure

- Updates on All Tasks (activities accomplished during the reporting period):
  - Category A: Provide information to complete EIF and Deliverables Schedule. Prepare & Submit Progress Report and Invoices for period ending 03/31/2023.
  - Category B:
    - Task 1: Began staff work on creation of request for qualifications and bid documents.
- Milestones or Deliverables Completed/Submitted
  - EIF
- Impediments to Completion of Task
  - BWD's District Engineer voluntarily terminated employment on March 15, 2023. This is not expected to impede the project schedule, but may result in Engineering Consultant expenses.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - None.



### Component 3: Wastewater Treatment Plant Monitoring Wells

- Updates on All Tasks (activities accomplished during the reporting period):
  - Category A: Provide information to complete EIF and Deliverables Schedule. Prepare & Submit Progress Report and Invoices for period ending 03/31/2023.
  - Category B:
    - Task 1: BWD hired Dudek as Project Development and Management consultant. Dudek prepared and submitted all required CEQA documentation (NOE), and obtained a Well Construction Permit from San Diego County Department of Health.
    - Task 2: Dudek created well schematic and workplan that includes design plans and specifications.
  - Category C:
    - Task 3: Prepared bid documents, contract documents, and advertised opportunity thru consultant who conducted pre-bid meeting and bid opening. Selected and awarded contractor and issued a Notice to Proceed. Hired labor consultant to oversee procurement.
- Milestones or Deliverables Completed/Submitted
  - EIF
  - CEQA Documentation (NOE)
  - Well Construction Permit
  - Well Schematic & Workplan
  - Bid Documents
  - Notice of Award
  - Notice to Proceed
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Single bid received was \$65,100 in excess of engineers estimate. BWD is proceeding with the contractor and may require a budget amendment request.

### Component 4: Education Project

- Updates on All Tasks (activities accomplished during the reporting period):
  - Category A: Provide information to complete EIF and Deliverables Schedule. Prepare & Submit Progress Report and Invoices for period ending 03/31/2023.
  - Category B:
    - Task 1: BSUSD has begun searching for a consultant to assist with Educational Material Design.
- Milestones or Deliverables Completed/Submitted
  - EIF



- CEQA Determination (NOE)
  - Impediments to Completion of Task
    - Prior appointed Project Manager on school staff moved on to other employment. This resulted in the need to recruit a consultant.
  - Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
    - Change of Project Manager from BSUSD staff member to consultant resulted in delayed start. All tasks are still expected to be completed on time.

### Component 5: Resiliency Strategy

- Updates on All Tasks (activities accomplished during the reporting period):
  - Category A: Representatives from CivicWell and the Borrego Valley Stewardship Council (BVSC), participated in the prep meeting organized by the Borrego Water District on January 5, 2023 and the kick-off meeting with Department of Water Resources, on January 27th, 2023. The grant agreement between CivicWell and the Borrego Water District was executed on March 23rd, 2023. Provided information to complete EIF and Deliverables Schedule. Prepared & Submitted Progress Report and Invoices for period ending 03/31/2023.
  - Category B:
    - **Task 1: Planning**
    - Recruit and hire basin coordinator
      - The Borrego Valley Stewardship Council (BVSC), in coordination with CivicWell, began the development of a scope of work for the limited-term contract employee that will serve as a basin coordinator for the BVSC, on March 2023. The procurement process for this position will take place from April 12, 2023, through May 2023. CivicWell and BVSC will use various methods to support the procurement process, such as advertising through the BVSC's website, email announcements to signatories and current subscribers, and announcements during the BVSC annual meeting on April 12, 2023.
    - Network for in-basin and basin-wide coordination efforts
      - BVSC and CivicWell, have started to work on conveying a network of local partners to participate in basin coordination efforts. During the month of March 2023, BVSC conducted a review and update of their signatories and began grassroots efforts to establish a network of community members to be engaged in the community vision process, with support from



CivicWell. BVSC and CivicWell expect to identify partners at the county and regional levels in the next quarters.

- Milestones or Deliverables Completed/Submitted
  - EIF
  - CEQA Determination (NOE)
- Impediments to Completion of Task
  - CivicWell did not experience impediments that prevent them from making progress on the grant tasks.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No Change Orders have been requested at this time.

## Component 6: Biological Restoration of Fallowed Lands

### CATEGORY (A) COMPONENT ADMINISTRATION.

- The work performed for this task during the reporting period included:
  - Prepared information on the procurement of consultants for the various categories of work in the grant project and submitted to BWD.
  - Performed monthly project management of the tasks included in Component 6.
  - Prepared invoices.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - Project commenced later than anticipated due to the delay in BWD and DWR executing the grant master agreement; and subsequently the subgrantee agreement between BWD and Watermaster. Though the project commenced later than anticipated, the schedule for all tasks was updated and the project is planned to be completed by March 31, 2025. The schedule delay did not result in any change orders for the project.

CATEGORY (B) and (C) are not applicable to this component.

CATEGORY (D) MONITORING, ASSESSMENT. The tasks in this Category includes the following:

### Task 1 – Review and Analysis of Existing Data

- The work performed for this task during the reporting period included:
  - Conducted a kick-off meeting with the key team members.
  - Conducted literature review and data mining from existing reports.



- Conducted interviews with local and subject-matter experts.
- Created project geodatabase for relevant land use and environmental thematic layers, including but not limited to topography, flow accumulation, soil characteristics, and wind patterns.
- Collected water consumption data from the Grantee.
- Updated parcel level Geographic Information System (GIS) data, as necessary; calculate water consumption by parcel; and digitize new data layers, as necessary.
- Reviewed historical maps and available records.
- Synthesized information to describe site specific historical ecology and compared to current vegetation cover densities.
- Identified feasible restoration targets.
- Milestones or Deliverables Completed/Submitted
  - Prepared a draft report titled: Literature Review. This report summarizes the existing data and a final prioritization map of the Basin identifying good locations within the Basin for land following.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None

## **Task 2 – Existing Fallowed Farmland and Reference Natural Habitat Field Study**

- The work performed for this task during the reporting period included:
  - Perform field observations of existing fallowed farmland.
  - Interviewed BWD staff about experience with fallowed lands.
  - Conducted field visits and collected data on existing conditions.
  - Used GIS layers to stratify landscape in the Basin, including the agricultural land into similar geomorphic features for sampling.
  - Determined a sampling design to collect more detailed information on plant cover and “greenness” utilizing drones and multispectral imagery over hundreds of acres.
  - Sampled cover data to analyze and interpret reference conditions to identify a range of reasonable habitat restoration targets for fallowed farmland.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None



### **Task 3 - Brush Pile Wildlife Sand Fence Case Study.**

- The work performed for this task during the reporting period included:
  - Identified potential manipulative sites for sand fences based on construction feasibility.
  - Identified the most economical method of construction method of sand fence/brush pile.
  - Developing study design.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None

### **Task 4 - Farmland Fallowing Rehabilitation Strategies**

- The work performed for this task during the reporting period included:
  - None for the reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None

### **Task 5 - Farmland Fallowing Prioritization**

- The work performed for this task during the reporting period included:
  - None for the reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None

**CATEGORY (E) STAKEHOLDER OUTREACH.** The tasks included in this Category includes the following:

### **Task 6 - Conduct Environmental Working Group (EWG) Meetings**



- The work performed for this task during the reporting period included:
  - Prepared for and conducted a EWG meeting on January 27, 2023 at Anza Borrego Desert Research Center.
- Milestones or Deliverables Completed/Submitted
  - Prepared the agenda packet and meeting presentation for the January 27, 2023, EWG meeting. Recorded the meeting and posted all meeting materials to the Borrego Springs Watermaster website.
- Impediments to Completion of Task
  - None
- Activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved
  - None

## **Component 7: Monitoring, Reporting and Groundwater Management Plan Update**

**CATEGORY (A) COMPONENT ADMINISTRATION.** The work performed for this task includes monthly project management of the tasks included in Component 7 and preparation of quarterly grant progress reports for submittal to the Borrego Water District (BWD). The work performed during the invoice period includes:

- Prepared information on the procurement of consultants for the various categories of work in the grant project and submitted to BWD.
  - Prepared information on changes to project budget and schedule for submission to DWR.
  - Communications with BWD staff regarding grant status reporting.
  - Updated budget status table.
  - Performed monthly project management to review scope, schedule, and budget progress as of the end of March 2023.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.





**CATEGORY (B) PLANNING, DESIGN, ENVIRONMENTAL.** The work to be performed for this task includes the planning, design, and environmental review portion of the Component 7 tasks. Component 7 includes one design task – design of a surface water monitoring station at Coyote Creek. Environmental review will be performed on Component 7 as a whole.

### **Task 1: Environmental Documentation/Permitting**

- No work performed in this reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - Due to funding constraints, work on the surface water monitoring station could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Through discussions with the Watermaster’s Technical Advisory Committee, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period. The feasibility of installing a surface water monitoring station will be evaluated in the future.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Given that the surface water monitoring stations design and construction was deemed infeasible (noted above), BWD will submit a formal request to DWR to transfer the unused budget to Category (d) Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin to support additional work that was recommended by the Watermaster’s Technical Advisory Committee after completing the first phase of work in Task 12.

### **Task 2: Design Plans and Specifications**

- No work performed in this reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.



- Impediments to Completion of Task
  - Due to funding constraints, work on the design of the surface water monitoring station could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Through discussions with the Watermaster's Technical Advisory Committee, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period. The feasibility of installing a surface water monitoring station will be evaluated in the future.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Given that the surface water monitoring stations design and construction was deemed infeasible (noted above), BWD will submit a formal request to DWR to transfer the unused budget to Category (d) Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin to support additional work that was recommended by the Watermaster's Technical Advisory Committee after completing the first phase of work in Task 12.

**CATEGORY (C) CONSTRUCTION, IMPLEMENTATION.** The work performed for this task includes the construction and implementation portion of the Component 7 tasks. Component 7 includes two construction and implementation tasks – (1) implementation of the surface water monitoring station at Coyote Creek and (2) the conversion or proper abandonment of inactive wells. The work performed during the invoice period includes:

### Task 3: Construction Management

- No work performed in this reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - Due to funding constraints, work on the design of the surface water monitoring station could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master



agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Through discussions with the Watermaster's Technical Advisory Committee, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period. The feasibility of installing a surface water monitoring station will be evaluated in the future.

- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Given that the surface water monitoring stations design and construction was deemed infeasible (noted above), BWD will submit a formal request to DWR to transfer the unused budget to Category (d) Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin to support additional work that was recommended by the Watermaster's Technical Advisory Committee after completing the first phase of work in Task 12.

#### **Task 4: Construction of New Monitoring Facilities**

- No work performed in this reporting period.
- Milestones or Deliverables Completed/Submitted
  - Nothing to report for this period.
- Impediments to Completion of Task
  - Due to funding constraints, work on the design of the surface water monitoring station could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Through discussions with the Watermaster's Technical Advisory Committee, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period. The feasibility of installing a surface water monitoring station will be evaluated in the future.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.



- Given that the surface water monitoring stations design and construction was deemed infeasible (noted above), BWD will submit a formal request to DWR to transfer the unused budget to Category (d) Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin to support additional work that was recommended by the Watermaster's Technical Advisory Committee after completing the first phase of work in Task 12.

#### **Task 5: Identify and Address Improperly Abandoned Wells**

- No work performed in this reporting period.
- Milestones or Deliverables Completed/Submitted
  - None for the reporting period.
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Due to funding constraints, work on the surface water monitoring station could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Though the project commenced later than anticipated, the schedule was updated, and the project is planned to be completed by March 31, 2025. The schedule delay did not result in any change orders for this task.

**CATEGORY (D) MONITORING, ASSESSMENT.** The work performed for this task includes the monitoring and reporting portion of the Component 7 tasks. The work performed in this reporting period included:

#### **Task 6: Groundwater Pumping Monitoring - Annual Meter Verification.**

- Perform annual meter accuracy testing for WY 2023.
- Corresponded with parties on meter accuracy testing requirements, reviewed new accuracy tests received, and corresponded with pumper(s) who had failed meter test to obtain re-calibration test results and documentation.
- Milestones or Deliverables Completed/Submitted
  - Completed meter accuracy test for WY 2023.



- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

#### **Task 7: Groundwater Pumping Monitoring - Monthly Collection and Processing of Meter Read Data**

Collect, compile, and manage all basin pumping data to ensure compliance with pumping ramp down, including:

- Cataloged and processed monthly meter reads for December 2021 through February 2023.
- Calculated pumping by well for December 2021 through February 2023.
- Milestones or Deliverables Completed/Submitted
  - Completed monthly calculation of pumping data for all metered wells for December 2021 through February 2023.
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

#### **Task 8: Groundwater Level And Quality Monitoring Program**

- a. Semi Annual Monitoring Events:
  - Prepared for semi-annual monitoring events (Spring 2022, Fall 2022, Spring 2023), which included: coordinating with Blaine Tech Services to schedule semi-annual monitoring events, coordinating with analytical laboratory to order sample bottles and labels, scheduling appointments with well owners, booking accommodations, inventorying field supplies, preparing field forms, and developing schedule of monitoring activities that will occur over the five-day monitoring event.



- Performed the Spring 2022 (March 2022) and Fall 2022 (October 2022) semi-annual field monitoring event that included visiting monitoring and production wells across the Basin to collect groundwater level and quality data. Following each event, all field forms were scanned, and all data logger files were saved to the project directory
- Received, cataloged, processed into standard formats, and loaded to HydroDaVE (Watermaster's data management system) the following datasets collected during the Spring 2022 and Fall 2022 monitoring events by Watermaster Staff. All data were checked for quality assurance and control.
  - Manual water level measurements
  - Field water quality parameters
  - Laboratory water quality parameters for samples collected in the field by Watermaster staff
  - Water level transducer data
- Finalized list of wells to receive a new transducer during the Spring 2023 monitoring event. Calculated direct read cable lengths for wells requiring longer cables to ensure submergence of transducers.  
Purchased eight (8) new transducers, two (2) new direct read cables, and one (1) barrologger to replace old, failing units currently installed. Invoice for equipment from In-Situ Inc. is attached.
- Completed updates to field forms to conform to the standards included in the Watermaster's updated Groundwater Monitoring Plan for the Borrego Springs Subbasin. Updated the pre-route checklist, photos, maps, and contact sheet and compiled all information into a field binder that is used by field technicians to execute the semi-annual monitoring program.
- Milestones or Deliverables Completed/Submitted
  - Semi-Annual Report of Groundwater Level and Quality Results: Fall 2022.
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.



#### b. Prepare Groundwater Monitoring Plan Update

- Prepared draft technical memorandum *Groundwater Monitoring Gap Analysis* to document the potential areas in the Basin that would benefit from expanded groundwater monitoring. Comments received on the draft TM were incorporated into the Groundwater Monitoring Plan report.
- Sought and received guidance from DWR staff regarding monitoring well locations and information sharing and confidentiality of results from prior DWR monitoring.
- Prepared draft and final *Groundwater Monitoring Plan for the Borrego Springs Subbasin*. The final monitoring plan included a response to comments document to support updating the draft report based on input and comments from the Watermaster's Technical Advisory Committee.
- Prepared cost estimates to perform the recommended tasks included in the GMP.
- Prepared a detailed packet of information for public outreach to identify existing wells that could be added to the groundwater monitoring program, including an FAQ form. The packet was distributed to interested stakeholders and posted to Watermaster's website.
- Milestones or Deliverables Completed/Submitted
  - Technical memorandum *Groundwater Monitoring Gap Analysis*
  - Draft *Groundwater Monitoring Plan for the Borrego Springs Subbasin*
  - *Final Groundwater Monitoring Plan for the Borrego Springs Subbasin*
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

#### Task 9: Surface Water Flow Monitoring

- Visited five monitoring stations on Coyote Creek during the Spring 2022 monitoring event. Surface water level was too low to measure stream flow. Photographs were taken to document conditions.
- Attempted to access five monitoring stations on Coyote Creek during the Fall 2022 monitoring event (October 2022), but the access road was closed.
- Milestones or Deliverables Completed/Submitted
  - Nothing to report.



- Impediments to Completion of Task
  - Site conditions (low flow) prevented gaging of stream flow during Spring 2022 monitoring event. Site conditions were documented.
  - Road closures due to unsafe conditions restricted access to the current surface water monitoring sites in Fall 2022.
  - Due to funding constraints, work on the design and construction and monitoring of a new surface water monitoring station on Coyote Creek could not commence until the grant agreement was fully in place. This task was not commenced as scheduled due to the significant delay in executing the grant master agreement between BWD and DWR; and subsequently the subgrantee agreement between BWD and Watermaster. Through discussions with the Watermaster's Technical Advisory Committee, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period. The feasibility of installing a surface water monitoring station will be evaluated in the future.
  
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Given that the surface water monitoring stations design and construction (for a new station) was deemed infeasible (noted above), BWD will submit a formal request to DWR to transfer the unused budget for monitoring the new station to Category (d) Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin to support additional work that was recommended by the Watermaster's Technical Advisory Committee after completing the first phase of work in Task 12.

### **Task 10: Maintain and Enhance the Data Management System**

- a. COOPERATOR DATA COLLECTION, DATA MANAGEMENT, AND REPORTING DATA TO DWR PORTALS
  - Received, cataloged, processed into standard formats, and loaded to HydroDaVE (Watermaster's data management system) the following datasets collected from monitoring cooperator Borrego Water District during the Fall 2021, Spring 2022, and Fall 2022 monitoring events. All data were checked for quality assurance and control.
    - Manual water level measurements
    - Laboratory water quality parameters for samples collected in the field by Watermaster staff
    - Water level transducer data
  
  - Populating SGMA MNM database with well identification information and latest monitoring results for wells in the monitoring network (previously only representative monitoring wells





were loaded to the MNM).

- Add new wells to the Project DMS as they are identified. Where possible, digitized and loaded lithology data.
- Prepared custom field forms for use by data cooperators (BWD) to use in their monitoring to collect all information defined in the Watermaster's updated Groundwater Monitoring Plan for the Borrego Springs Subbasin. Provided the forms to Borrego Springs Water District prior to their Spring 2023 monitoring.
- Milestones or Deliverables Completed/Submitted
  - Summary of Water Rights Accounting for Water Year 2022
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

### **Task 11: Annual Report To The Court and DWR**

#### ANNUAL WATER RIGHTS ACCOUNTING (PUMPING REPORT)

- Prepared detailed draft water rights accounting summarizing water year pumping total for all parties with metered pumping. Pumping totals were estimated for all parties with and without metered pumping data for Water Year 2022
- Prepared pumping record template to report individual pumping total and other water rights accounting data required by the Judgment.
- Prepared final Water Rights Accounting report for Water Year 2022.
- Prepared the draft and final Water Year 2021 Annual Report to the Court and DWR.
  - Submitted the report to DWR through the SGMA portal.
- Prepared the draft and final Water Year 2022 Annual Report to the Court and DWR.
  - Submitted the report to DWR through the SGMA portal.
- Milestones or Deliverables Completed/Submitted
  - Water Year 2021 Draft Annual Report
  - Water Year 2021 Final Annual Report
  - Water Year 2022 Draft Annual Report
  - Water Year 2022 Final Annual Report



- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

### Task 12: Redetermination Of The Sustainable Yield Of The Borrego Springs Subbasin

- Extended the Borrego Valley Hydrologic Model (BVHM) through Water Year 2021.
- Developed a draft and final technical memorandum documenting the update of the BVHM through Water Year 2021.
- Based on the outcomes of the update of the BVHM through WY 2021, developed an updated scope of work to improve the BVHM and redetermine the sustainable yield of the Basin.
- Prepared the TAC Recommendation Report: *Scope of Work to Redetermine the Sustainable Yield by 2025 – Water Years 2023 and 2024*
- Began extending the Borrego Valley Hydrologic Model (BVHM) through Water Year 2022.
- Began developing process and tools to use for calibration of the BVHM using the Pilot Point method.
- Milestones or Deliverables Completed/Submitted
  - Draft Technical Memorandum - *Extension of the Borrego Valley Hydrologic Model through Water Year 2021*
  - Final Technical Memorandum - *Extension of the Borrego Valley Hydrologic Model through Water Year 2021*
  - Technical Advisory Committee Recommendation Report: *Scope of Work to Redetermine the Sustainable Yield by 2025 – Water Years 2023 and 2024*
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - Upon completion of the first phase of work in Water Year 2022, it was determined that the scope of work and budget to complete the redetermination of the Sustainable Yield would need to be modified to address specific issues (documented in task reports). The Technical Advisory Committee recommended a revised scope of work and budget. To cover the costs of the increased budget, Watermaster proposes to use funds initially



planned for use for the design, construction, and monitoring of a new surface water station in Coyote Creek which has been deemed infeasible (see discussions under Category (b), Category (c), and Category (d) Task 9. If DWR approves this transfer of funds, no change orders will be necessary.

### Task 13: Prepare the 2025 GMP Update

- Milestones or Deliverables Completed/Submitted
  - No work performed in this reporting period.
- Impediments to Completion of Task
  - None.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

**CATEGORY (E) STAKEHOLDER OUTREACH.** The work performed for this task includes stakeholder outreach activities to support the implementation and communication of the Component 7 tasks. The work performed in this reporting period included:

### Task 14: Interested Party Outreach

- BOARD MEETINGS.
  - No work performed in this reporting period.
- TECHNICAL ADVISORY COMMITTEE (TAC) MEETINGS  
Note: all TAC meetings were held remotely.
  - Prepared for and held TAC meetings May 2, 2022, August 31, 2022, November 2, 2022, and February 21, 2023 and prepared minutes for each meeting. All TAC meeting documents and recordings are available on the Watermaster website.
  - Prepared proposed schedule of meetings and deliverable milestones for TAC to meet and work on grant-related efforts for WY 2023.
- STAKEHOLDER OPEN HOUSE  
Coordinated, publicly noticed and held a stakeholder open house meeting December 8, 2022, at the Borrego Springs Library from 1:30pm to 4:00pm.



- A HydroDaVE file (Watermaster DMS) showing groundwater data was shared during the meeting and used to support responding to questions regarding water levels, water quality, and monitoring programs.
- Documented questions and answers provided in the meeting.
  
- MAINTAIN WEBSITE
  - Designed and built editable PDF documents for public data requests and updated website for forms for public request.
  - Website updates with latest relevant documents of interest to the public.
  
- Milestones or Deliverables Completed/Submitted
  - TAC Meetings: 5/2/2022, 8/31/22, 11/2/22, 2/21/23 meeting agendas, packets, presentations, and meeting summaries.
  - Stakeholder Open House 12/8/2022: meeting notice, meeting handouts and meeting summary.
  
- Impediments to Completion of Task
  - None.
  
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - No impacts to report for this period.

### **Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring**

- Updates on All Tasks (activities accomplished during the reporting period):
  - Category A: Provide information to complete EIF and Deliverables Schedule. Prepare & Submit Progress Report and Invoices for period ending 03/31/2023. Staffing, equipment purchases for the first period of the project, and partner communication processes /policies were established.
  - Category B:
    - Task 1: Preliminary evaluation of the existing research to date guiding decision-making on the subject of groundwater dependent ecosystems was initiated.
    - Task 2: Began work on CEQA Determination. Permitting for field work and site access was acquired. Initial sentinel and supporting field locations were identified.
    - Task 7: Initial data collection, physical collection of plant and soil water samples, along with floral surveys on sentinel field locations was



initiated. Initial assessment of available remote sensing information was initiated

- Milestones or Deliverables Completed/Submitted
  - Copies of Required Permit for access.
  - We compiled a finding of fact analysis of the state of knowledge on groundwater dependent ecosystems in the Borrego Subbasin. This technical memorandum underwent peer review and was presented to the Watermaster Board, the Borrego Water District, the Department of Water Resources (in open comment to the Borrego GMP), and to public stakeholders in a town hall setting
- Impediments to Completion of Task
  - Our group was likely the first to request access to water samples from the well monitoring network facilitated by the Borrego Springs Watermaster and associated stakeholders. Thus, our request highlighted the lack of policy for access to requests for sample or data sharing and has resulted in a longer than originally planned period to acquire this data.
- Describe activities that negatively or positively impacted the schedule and/or budget. If Change Orders (COs) have been approved, describe the reason for those and how the situation was resolved.
  - None

### 3. Activities for next reporting period:

#### Component 1: Grant Administration

- Work to be completed during the next invoice period includes:
  - Compile CEQA Determinations for subgrantees.
  - Submission of deliverables and preparation of Progress Reports and Reimbursement Requests.

#### Component 2: Advanced Meter Infrastructure

- Work to be completed during the next invoice period includes:
  - Finalize RFQ and Bid Docs and Open Bidding.

#### Component 3: Wastewater Treatment Plant Monitoring Wells

- Work to be completed during the next invoice period includes:
  - Select contractor and begin work.

#### Component 4: Education Project

- Work to be completed during the next invoice period includes:
  - Recruit Project Manager to create curriculum. Recruit & Hire CTE Teacher.

#### Component 5: Resiliency Strategy

- Work to be completed during the next invoice period includes:



- CivicWell, in coordination with BVSC, will develop the community vision plan and the engagement plan for basin coordination and education during the second quarter of 2023. Research for the white paper on basin characterization is expected to begin on May 2023.

### **Component 6: Biological Restoration of Fallowed Lands**

Work to be completed during the next invoice period includes:

- Task A. Project Management: Manage staff and report on project progress.
- Task 1: Review and Analysis of Existing Data: Finalize Task 1 Deliverables, which are provided in the Literature Review Document, including the Initial Fallowed Land Rehabilitation Opportunity and Prioritization Map.
- Task 2: Existing Fallowed Farmland and Reference Natural Habitat Field Study: Collect and analyze field data for the fallowed farmland and natural habitat field studies.
- Task 3: Brush Pile Wildlife Sand Fence Case Study: Develop experimental design for case study, work with County to identify applicable regulations to construct brush pile sand fence case study and come to agreement with a landowner to construct the sand fence on their land and allow regular monitoring. Next, present study design to the EWG (Task 6) and finally construct the study in late summer or early fall 2023.
- Task 4: Farmland Following Rehabilitation Strategies: No activity planned until 2024.
- Task 5: Farmland Following Prioritization: No activity planned until 2024.
- Task 6: Conduct Environmental Working Group (EWG) Meetings: Prepare for a EWG Meeting to be held in summer 2023 (Date TBD with EWG).

### **Component 7: Monitoring, Reporting and Groundwater Management Plan Update**

- Work to be completed during the next invoice period includes:

**CATEGORY (A) COMPONENT ADMINISTRATION.** The work that is planned to be performed for the April through June 2023 period includes:

- Continue to prepare quarterly invoices and quarterly progress reports for submittal to BWD and DWR for the prior reimbursement period of January 1, 2022 through March 31, 2023.
- Perform monthly project management tasks including budget, schedule, and scope of work progress evaluations

**CATEGORY (B) PLANNING, DESIGN, ENVIRONMENTAL.** The work that is planned to be performed for the April through June 2023 period includes:



- Prepare CEQA documentation for the grant project

**CATEGORY (C) CONSTRUCTION, IMPLEMENTATION.** The work that is planned to be performed for the April through June 2023 period includes:

- No work planned.

**CATEGORY (D) MONITORING, ASSESSMENT.** The work that is planned to be performed for the April through June 2023 period includes:

GROUNDWATER PUMPING MONITORING - ANNUAL METER VERIFICATION.

- No work planned

GROUNDWATER PUMPING MONITORING - MONTHLY COLLECTION AND PROCESSING OF METER READ DATA.

- Set up the excel sheet for calculating monthly pumping in WY 2023.
- Collect and process monthly meter reads for March, April, and May 2023
- Prepare report to Borrego Springs Pumpers summarizing total pumping to date in WY 2023 for the first six months of the water year

GROUNDWATER LEVEL AND QUALITY MONITORING PROGRAM - SEMI ANNUAL MONITORING EVENTS

- Perform the spring semi-annual groundwater monitoring event (groundwater levels and quality)
- Process and review the results of the spring semi-annual groundwater monitoring event
- Prepare the spring 2023 semi-annual monitoring report

GROUNDWATER LEVEL AND QUALITY MONITORING PROGRAM - PREPARE GROUNDWATER MONITORING PLAN UPDATE

- Finalize the Groundwater Monitoring Plan for the Borrego Springs Subbasin
- Perform public outreach efforts to identify existing wells that could potentially be added to the monitoring network, pursuant to the final monitoring plan

SURFACE WATER FLOW MONITORING

- No work planned

DATA MANAGEMENT AND REPORTING DATA TO DWR PORTALS

- Collect, process, and add to database water level and quality data from cooperating entities.

ANNUAL WATER RIGHTS ACCOUNTING (PUMPING REPORT)

- No work planned



#### ANNUAL REPORT TO THE COURT AND DWR

- No work planned

#### REDETERMINATION OF THE SUSTAINABLE YIELD OF THE BORREGO SPRINGS SUBBASIN

- Continue work to update the Borrego Valley Hydrologic Model (BVHM) through WY 2022 and compare estimated pumping by the Farm Process Package to actual metered pumping for WY 2022
- Begin to review and update the land use and water use factors utilized in the BVHM Farm Process Package

**CATEGORY (E) STAKEHOLDER OUTREACH.** The work performed for this task includes stakeholder outreach activities to support the implementation and communication of the Component 7 tasks. The work performed in this reporting period included:

#### BOARD MEETINGS.

- No work planned

#### TECHNICAL ADVISORY COMMITTEE MEETINGS

- Conduct a working meeting of the Technical Advisory Committee to review the results of the BVHM update and discuss the update the land use and water use factors utilized in the BVHM Farm Process Package

#### STAKEHOLDER OPEN HOUSE

- Hold a Stakeholder Open House in Borrego Springs in June 2023

#### MAINTAIN WEBSITE AND GRANT COMMUNICATIONS

- Update Watermaster website with latest documents

### **Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring**

- Work to be completed during the next invoice period includes:
  - Work in the next invoicing period will mainly be concentrated on data collection from trees, soils, and groundwater throughout the basin in the 'pre-summer' period of ecosystem activity. In addition, wildlife monitoring and remote sensing of ecosystem dynamics will be initiated.

## **4. Project Cost Update:**





**Component 1: Grant Administration**

|  |             |
|--|-------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$27,631.50 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$27,631.50 |

**Component 2: Advanced Meter Infrastructure**

|  |             |
|--|-------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$17,325.40 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$17,325.40 |

**Component 3: Wastewater Treatment Plant Monitoring Wells**

|  |             |
|--|-------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$35,599.91 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$35,599.91 |

**Component 4: Education Project**

|  |        |
|--|--------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$0.00 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$0.00 |

**Component 5: Resiliency Strategy**

|  |        |
|--|--------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$0.00 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$0.00 |

**Component 6: Biological Restoration of Fallowed Lands**

|  |              |
|--|--------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$168,272.54 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$168,272.54 |

**Component 7: Monitoring, Reporting and Groundwater Management Plan Update**

|  |              |
|--|--------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$456,607.83 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$456,607.83 |

**Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring**

|  |             |
|--|-------------|
| ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD: | \$45,686.23 |
| ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:               | \$45,686.23 |

**5. Other Major Issues:**

**Component 1: Grant Administration**

No major issues have occurred to date.

**Component 2: Advanced Meter Infrastructure**

No major issues have occurred to date.

**Component 3: Wastewater Treatment Plant Monitoring Wells**



No major issues have occurred to date.

#### **Component 4: Education Project**

No major issues have occurred to date.

#### **Component 5: Resiliency Strategy**

No major issues have occurred to date.

#### **Component 6: Biological Restoration of Fallowed Lands**

No major issues have occurred to date.

#### **Component 7: Monitoring, Reporting and Groundwater Management Plan Update**

As discussed previously, the surface water monitoring station implementation was deemed infeasible to complete at the present time because there is insufficient time in the remaining grant period to address access agreements with the Anza Borrego Desert State Park, and limited time to perform the monitoring within the grant period.

An amendment will be submitted to modify the scope of work to remove and adjust tasks and associated budgets as described previously.

[Click or tap here to enter text.](#)

#### **Component 8: Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring**

No major issues have occurred to date.



## Appendix A

### Status of Required Deliverables

| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |  |                    |                    |                               |
|--|--|--------------------|--------------------|-------------------------------|
| Budget Comp.# or Category  | Budget Category Work Items for Review      | Estimated Due Date | % Of Work Complete | Date Submitted                |
| <b>1</b>   | <b>Grant Administration</b>                |                    |                    |                               |
| 1a   | EIF  | 3/15/2023          | 100%               | 3/14/2023                     |
|  | Deliverable Due Date Schedule              | 3/15/2023          | 100%               | 3/14/2023                     |
| <b>2</b>   | <b>Advanced Meter Infrastructure</b>       |                    |                    |                               |
| 2b   | Bid Documents                              | 12/31/2023         | 10%                | Click or tap to enter a date. |
| 2b   | Proof of Advertisement                     | 12/31/2023         | 0%                 | Click or tap to enter a date. |
| 2b   | Executed Contract                          | 12/31/2023         | 0%                 | Click or tap to enter a date. |
| 2b   | Notice to Proceed                          | 12/31/2023         | 0%                 | Click or tap to enter a date. |
| 2b   | Permits (if required)                      | 12/31/2023         | 0%                 | Click or tap to enter a date. |
| 2b   | CEQA Documentation                         | 05/30/2023         | 0%                 |                               |
| 2b   | Plans & Specs                              | 12/31/2023         | 0%                 |                               |
| 2c   | Pilot Study Report                         | 03/30/2025         | 0%                 |                               |
| 2c   | Meter Inspection Report                    | 03/30/2025         | 0%                 |                               |
| 2c   | Pilot Study Monitoring & Assessment Report | 03/30/2025         | 0%                 |                               |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |  |                           |                           |                               |
|--|--|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>       | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| 2c   | Full Scale Project Monitoring & Assessment Report  | 03/30/2025                | 0%                        |                               |
| 2c   | Full Scale Project Implementation Report           | 03/30/2025                | 0%                        |                               |
| 2c   | Meter Installation Inspection Report               | 03/30/2025                | 0%                        |                               |
| 2c   | AMI Customer Informational Flyer                   | 03/30/2025                | 0%                        |                               |
| 2c   | Vendor Provided User Video                         | 03/30/2025                | 0%                        |                               |
| <b>3</b>   | <b>Wastewater Treatment Plant Monitoring Wells</b> |                           |                           |                               |
| 3b   | CEQA Documentation                                 | 3/31/2023                 | 100%                      | 3/2/2023                      |
| 3b   | Copies of Required Permits                         | 10/30/2023                | 100%                      | 5/25/2023                     |
| 3b   | Well Schematic & Workplan                          | 3/31/2023                 | 100%                      | 5/24/2023                     |
| 3c   | Notice of Award                                    | 11/1/2024                 | 100%                      | Click or tap to enter a date. |
| 3c   | Notice to Proceed                                  | 11/1/2024                 | 100%                      | 4/7/2023                      |
| 3c   | Bid Documents                                      | 11/01/2024                | 100%                      | 04/07/2023                    |
| 3c   | Notice of Completion                               | 11/01/2024                | 0%                        |                               |
| 3c   | As-Built Drawings                                  | 11/01/2024                | 0%                        |                               |
| 3c   | Site Inspection Letter or Report                   | 11/01/2024                | 0%                        |                               |
| 3c   | Well Drillers Report                               | 11/01/2024                | 0%                        |                               |
| 3d   | 1 <sup>st</sup> Round Water Quality Sample Results | 06/30/2025                | 0%                        |                               |
| 3d   | Monitoring Plan                                    | 06/30/2025                | 0%                        |                               |
| 3d   | Copies of Water Quality Reports                    | 06/30/2025                | 0%                        |                               |
| 3d   | Well Completion Report                             | 06/30/2025                | 0%                        |                               |
| 3d   | Nitrogen Control Strategy Work Plan                | 06/30/2025                | 0%                        |                               |
| 3e   | WWTF Informational Flyer                           | 06/30/2025                | 0%                        |                               |
| 3e   | Meeting Agenda and Presentation Materials          | 06/30/2025                | 0%                        |                               |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                               |
|--|---|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>                  | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| <b>4</b>   | <b>Education Project</b>                                      |                           |                           |                               |
| 4b   | Copy of Curriculum  | 04/30/2025                | 0%                        |                               |
| 4b   | Two Sets of Lessons (parents/gardeners)                       | 04/30/2025                | 0%                        |                               |
| 4b   | Two Sets of Spanish Lessons (parents/gardeners)               | 04/30/2025                | 0%                        |                               |
| 4b   | List of needed materials                                      | 04/30/2025                | 0%                        |                               |
| 4b   | Video and Printed Materials                                   | 04/30/2025                | 0%                        |                               |
| 4b   | Copy of certificates and magnets                              | 04/30/2025                | 0%                        |                               |
| 4c   | Materials for Learning Labs                                   | 04/30/2025                | 0%                        |                               |
| 4c   | Mockup of Educational Signage                                 | 04/30/2025                | 0%                        |                               |
| 4d   | Scoring Results for Year 1 & 2                                | 04/30/2025                | 0%                        |                               |
| 4e   | Documentation of Participation                                | 4/30/2025                 | 0%                        | Click or tap to enter a date. |
| <b>5</b>   | <b>Resiliency Strategy</b>                                    |                           |                           |                               |
| 5b   | Contract for employee   | 05/30/2024                | 0%                        |                               |
| 5b   | Community Visioning Schedule & Engagement Arc                 | 05/30/2024                | 0%                        |                               |
| 5b   | Engagement Plan   | 05/30/2024                | 0%                        |                               |
| 5b   | Local & Regional Partner Contact Info/Roles/Engagement Levels | 05/30/2024                | 0%                        |                               |
| 5b   | White Paper of Basin Characterization                         | 05/30/2024                | 0%                        |                               |
| 5b   | Factsheet/FAQ of White Paper On Website                       | 05/30/2024                | 0%                        |                               |
| 5b   | SWOT analysis of natural resources                            | 05/30/2024                | 0%                        |                               |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                               |
|--|---|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>                    | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| 5b   | Documetation of Basin Monitoring & Evaluation Roles, Etc.       | 05/30/2024                | 0%                        |                               |
| 5e   | Document of Basin Impact Analyzation Criteria                   | 04/30/2025                | 0%                        |                               |
| 5e   | Memorandum of Potential GMP Implementation Impacts              | 04/30/2025                | 0%                        |                               |
| 5e   | Memorandum of Recommendations to WM for GMP Implementation      | 04/30/2025                | 0%                        |                               |
| 5e   | Presentation to WM Board w/feedback                             | 04/30/2025                | 0%                        |                               |
| 5e   | Presentation of characterization white paper/outreach efforts   | 04/30/2025                | 0%                        |                               |
| 5e   | Presentation of draft and final Community Visioning White Paper | 04/30/2025                | 0%                        |                               |
| 5e   | Document Feedback and Revisions to White Paper                  | 04/30/2025                | 0%                        |                               |
| 5e   | Copy of Survey  | 04/30/2025                | 0%                        |                               |
| 5e   | Copy of Town Hall Presentation Materials                        | 04/30/2025                | 0%                        |                               |
| 5e   | Draft/Final White Paper   | 4/30/2025                 | 0%                        | Click or tap to enter a date. |
| 5e   | Basin FAQ Brochure  | 4/30/2025                 | 0%                        | Click or tap to enter a date. |
| 5e   | Cirriculum Outline  | 4/30/2025                 | 0%                        | Click or tap to enter a date. |
| 5e   | List of indicators of success                                   | 4/30/2025                 | 0%                        | Click or tap to enter a date. |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                               |
|--|---|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>                                  | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| 5e   | Report on Survey and Recommendations for moving forward                       | 4/30/2025                 | 0%                        | Click or tap to enter a date. |
| <b>6</b>   | <b>Biological Restoration of Fallowed Lands</b>                               |                           |                           |                               |
| 6d   | Technical Memo Summarizing Existing Data                                      | 03/31/2023                | 0%                        |                               |
| 6d   | Initial Fallowed Farmland Rehabilitation Opportunities and Prioritization Map | 03/31/2023                | 0%                        |                               |
| 6d   | Technical Report of Field Study Results                                       | 03/31/2025                | 0%                        |                               |
| 6d   | Construction sample of sand fences  | 12/31/2023                | 0%                        |                               |
| 6d   | Design Plans  | 12/31/2023                | 0%                        |                               |
| 6d   | Construction Permits (if applicable)  | 12/31/2023                | 0%                        |                               |
| 6d   | Technical Report  | 03/31/2025                | 0%                        |                               |
| 6d   | Draft Rehab Strategies & Following Best Practices                             | 01/31/2025                | 0%                        |                               |
| 6d   | Final Rehab Strategies & Following Best Practices                             | 03/31/2025                | 0%                        |                               |
| 6d   | Prioritization of Farmland Following Report                                   | 03/31/2025                | 0%                        |                               |
| 6d   | Prioritization of Farmland Following Map                                      | 03/31/2025                | 0%                        | Click or tap to enter a date. |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                               |
|--|---|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>                        | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| 6e   | Meeting Agendas/Packets   | 03/31/2025                | 0%                        | Click or tap to enter a date. |
| 6e   | PowerPoint Presentations  | 03/31/2025                | 0%                        | Click or tap to enter a date. |
| 6e   | Summary meeting notes   | 03/31/2025                | 0%                        | Click or tap to enter a date. |
| 6e   | Memorandums with recommendations to the WM Board                    | 03/31/2025                | 0%                        | Click or tap to enter a date. |
| <b>7</b>   | <b>Monitoring, Reporting and Groundwater Management Plan Update</b> |                           |                           |                               |
| 7b   | CEQA Documentation  | 03/21/2024                | 0%                        |                               |
| 7c   | Bid Documents for Well Conversion or Abandonment                    | 02/28/2024                | 0%                        |                               |
| 7c   | Technical Specifications for Well Conversion or Abandonment         | 02/28/2024                | 0%                        |                               |
| 7c   | Documentation of Proper Abandonment                                 | 01/31/2025                | 0%                        |                               |
| 7c   | Documentation of conversion to monitoring wells                     | 01/31/2025                | 0%                        |                               |
| 7d   | Annual Metering Monitoring Summary Reports WY 2023 (Tsk 6)          | 10/31/2023                | 0%                        |                               |
| 7d   | Annual Metering Monitoring Summary Reports WY 2024 (Tsk 6)          | 10/31/2024                | 0%                        |                               |
| 7d   | Annual Water Rights Accounting Report WY 2022 (Tsk 6)               | 05/31/2023                | 0%                        |                               |
| 7d   | Annual Water Rights Accounting Report WY 2023 (Tsk 6)               | 12/31/2023                | 0%                        |                               |





| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                       |
|--|---|---------------------------|---------------------------|-----------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>  | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b> |
| 7d   | Annual Water Rights Accounting Report WY 2024 (Tsk 6)   | 12/31/2024                | 0%                        |                       |
| 7d   | Semi-Annual Monitoring Summary Reports fall/spring WY 2023 (Tsk 7/8)                              | 09/30/2023                | 0%                        |                       |
| 7d   | Semi-Annual Monitoring Summary Reports fall/spring WY 2024 (Tsk 7/8)                              | 09/30/2024                | 0%                        |                       |
| 7d   | Semi-Annual Monitoring Summary Reports fall WY 2025 (Tsk 7/8)                                     | 02/28/2025                | 0%                        |                       |
| 7d   | Groundwater Level Data delivered to CEDEN, GAMA and other platforms requested by DWR (Tsk 7/8/10) | 03/31/2025                | 0%                        |                       |
| 7d   | Draft and Final WQMP (Tsk 8)  | 06/30/2025                | 0%                        |                       |
| 7d   | Draft and Final Annual Reports for WY 21  | 05/31/2023                | 100%                      | 05/24/2023            |
| 7d   | Draft and Final Annual Reports for WY 22  | 05/31/2023                | 100%                      | 05/24/2023            |
| 7d   | Draft and Final Annual Reports for WY 23  | 04/30/2024                | 0%                        |                       |
| 7d   | Draft and Final Annual Reports for WY 24  | 03/31/2025                | 0%                        |                       |
| 7d   | Draft and Final Tech Memo: Redetermination of Sustainable Yield WY22                              | 05/31/2023                | 100%                      | 05/24/2023            |
| 7d   | Draft and Final Tech Memo: Redetermination of Sustainable Yield WY23                              | 12/31/2024                | 0%                        |                       |
| 7d   | Draft and Final Tech Memo: Redetermination of Sustainable Yield WY24                              | 03/31/2025                | 0%                        |                       |
| 7d   | Draft and Final 2025 GMP  | 03/31/2025                | 0%                        |                       |
| 7e   | TAC Meeting Agendas/Packets   | 03/31/2025                | 20%                       | 05/24/2023            |
| 7e   | TAC Meeting Presentations   | 3/31/2025                 | 20%                       | 5/24/2023             |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                       |
|--|---|---------------------------|---------------------------|-----------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>  | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b> |
| 7e   | TAC Meeting Summaries   | 3/31/2025                 | 20%                       | 5/24/2023             |
| 7e   | TAC Recommendation Reports  | 3/31/2025                 | 20%                       | 5/24/2023             |
| 7e   | Interested Party outreach materials   | 3/31/2025                 | 20%                       | 5/24/2023             |
| <b>8</b>   | <b>Groundwater Dependent Ecosystem Identification, Assessment, &amp; Monitoring</b> |                           |                           |                       |
| 8b   | Draft and Final GDE Evaluation and Monitoring Workplan                              | 12/01/2024                | 0%                        |                       |
| 8b   | Easements and other necessary document(s)   | 12/01/2024                | 0%                        |                       |
| 8b   | Initial Study   | 12/01/2024                | 0%                        |                       |
| 8b   | CEQA Documentation  | 12/01/2024                | 0%                        |                       |
| 8b   | Copies of Required Permits  | 12/01/2024                | 50%                       | 05/24/2023            |
| 8b   | 50% Design Plans & Specs  | 12/01/2024                | 0%                        |                       |
| 8b   | 100% Design Plans & Specs   | 12/01/2024                | 0%                        |                       |
| 8c   | Proof of Advertisement  | 03/01/2025                | 0%                        |                       |
| 8c   | Notice of Award   | 03/01/2025                | 0%                        |                       |
| 8c   | Notice to Proceed   | 03/01/2025                | 0%                        |                       |
| 8c   | Bid Documents   | 03/01/2025                | 0%                        |                       |
| 8c   | Notice of Completion  | 03/01/2025                | 0%                        |                       |
| 8c   | As-Built Drawings   | 03/01/2025                | 0%                        |                       |
| 8c   | Site Inspection Letter or Report  | 03/01/2025                | 0%                        |                       |
| 8c   | Draft & Final Technical Specifications for Monitoring Well                          | 03/01/2025                | 0%                        |                       |
| 8c   | Contractor Bid Documents  | 03/01/2025                | 0%                        |                       |
| 8c   | Monitoring Well Completion Report   | 03/01/2025                | 0%                        |                       |



| <b>TABLE 1: Deliverable Table for Implementation Project for the Borrego Springs Sub Basin</b> |   |                           |                           |                               |
|--|---|---------------------------|---------------------------|-------------------------------|
| <b>Budget Comp.# or Category</b>   | <b>Budget Category Work Items for Review</b>                          | <b>Estimated Due Date</b> | <b>% Of Work Complete</b> | <b>Date Submitted</b>         |
| 8d   | Technical Memo/Public Report to document results & conclusions        | 03/31/2025                | 0%                        |                               |
| 8d   | Draft & Final Tech Memo to document investigations and technical work | 03/31/2025                | 0%                        |                               |
| 8d   | Draft & Final GDE Monitoring Program Report and Recommendations       | 03/31/2025                | 0%                        |                               |
| 8e   | Meeting Agendas/Packets   | 03/31/2025                | 0%                        |                               |
| 8e   | PowerPoint Presentations  | 3/31/2025                 | 0%                        | Click or tap to enter a date. |
| 8e   | Summary Meeting Notes & Memos with Recommendations to UCI Board       | 3/31/2025                 | 0%                        |                               |

## Appendix B – Outreach, Coordination, Engagement

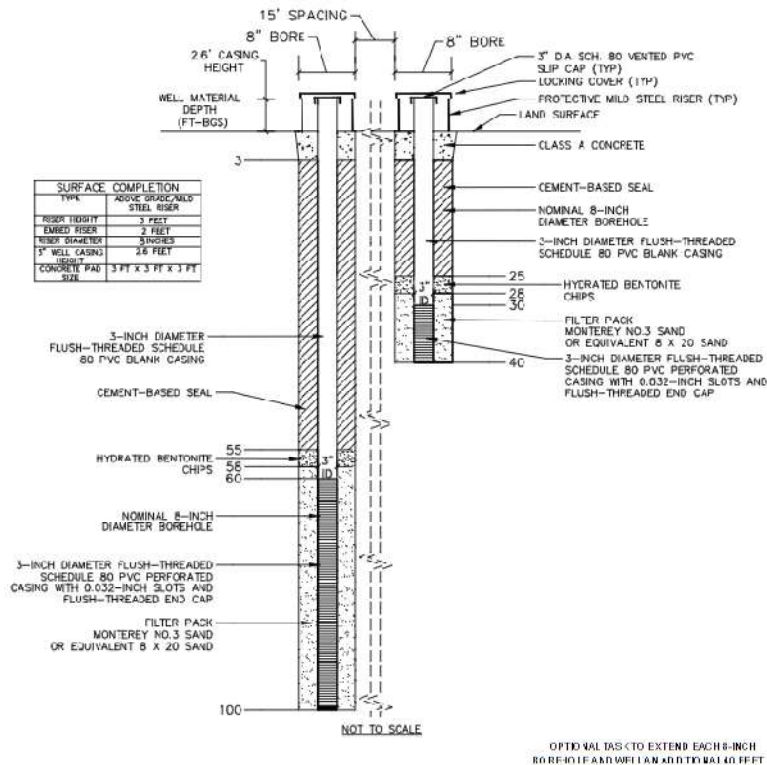
Add photo documentation, agendas, handouts, etc. for any activities by component.

### COMPONENT 3 – WWTP Monitoring Wells

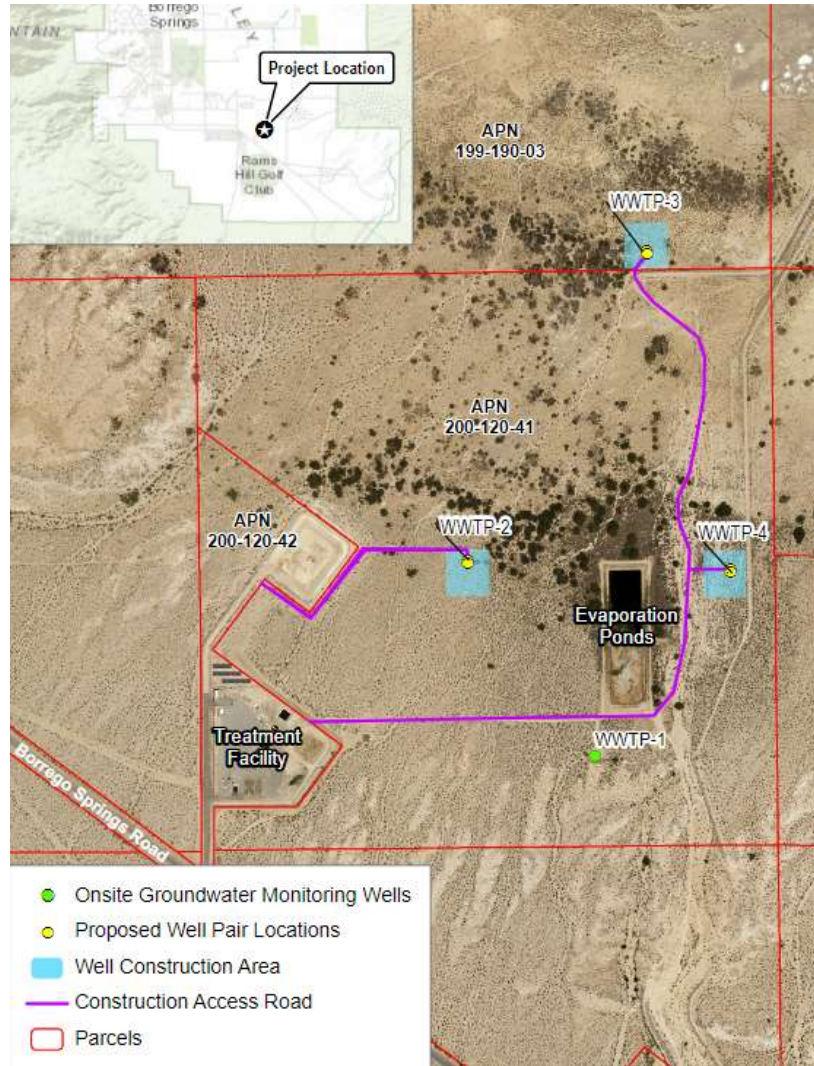
**BORREGO WATER DISTRICT**

Request for bids the installation of six (6) groundwater monitoring wells adjacent to the Rams Hill Wastewater Treatment Facility Evaporation Ponds Borrego Springs, California. The proposed total depth is to a maximum of approximately 100 feet and the wells shall be drilled using the sonic drilling method. To secure bid documents, please contact Dudek, 605 Third Street, Encinitas, California 92024, telephone (760) 415-4105. A pre-bid meeting will be held on Monday, February 20, 2023 at 1:00 PM at the Rams Hill Wastewater Treatment Facility, located at 4891 Borrego Springs Rd, Borrego Springs, California 92004. Sealed bids must be submitted to the Borrego Water District office no later than 2:00 PM on Monday, March 6th, 2023

#### Request for bids advertisement



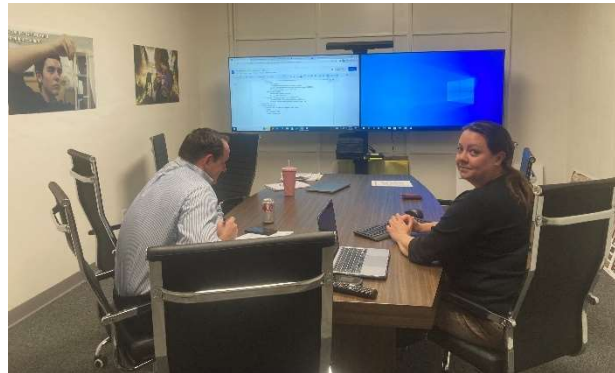
#### Final design of well clusters



*Map of WWTP and location of proposed monitoring well clusters*



COMPONENT 4 – Education Project



*BSUSD Superintendent meets with County Board of Education to discuss Prop 68 Education Project*



COMPONENT 7 – Monitoring, Reporting and Groundwater Management Plan Update

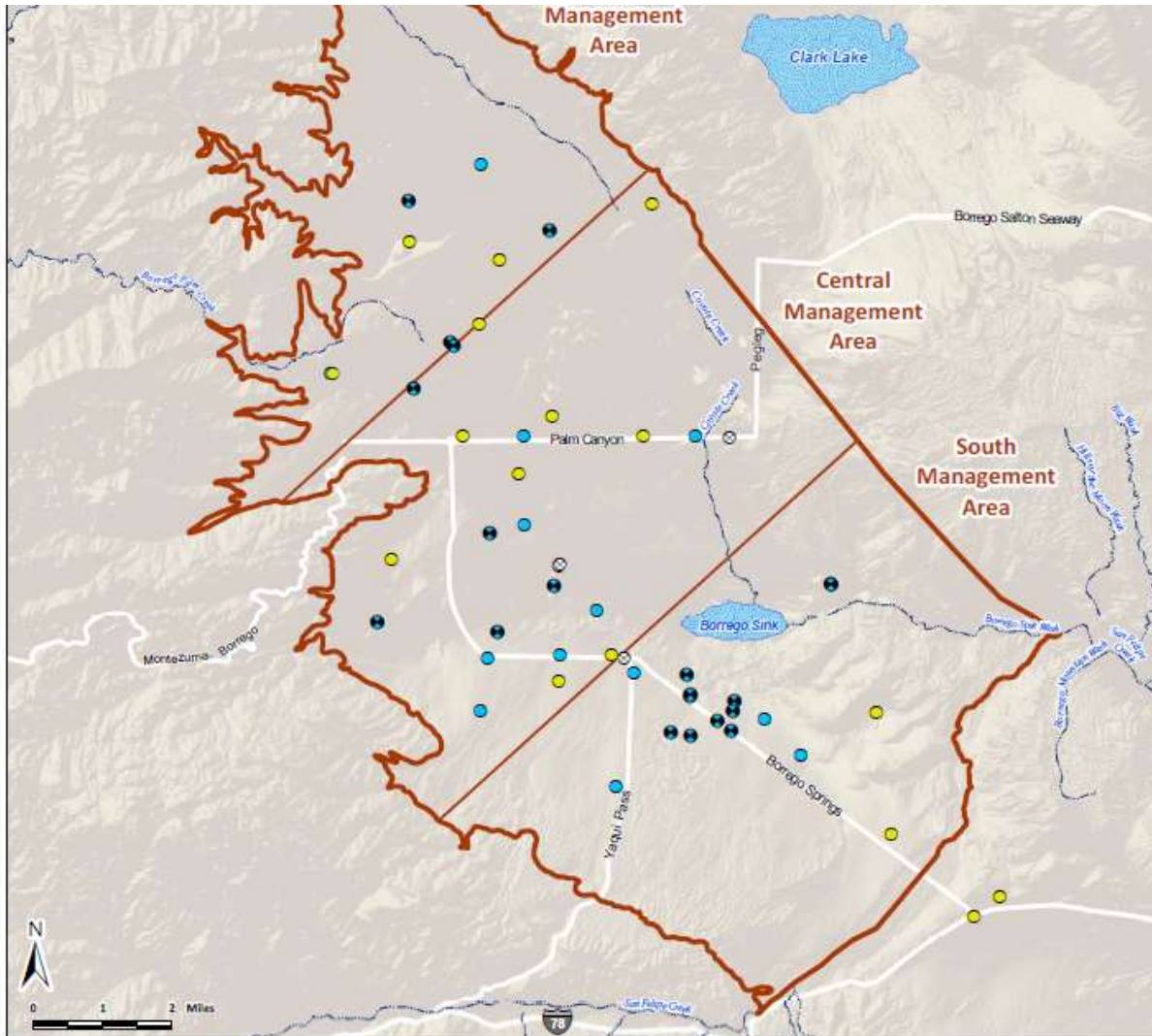
*The following shows the Water Rights Accounting for WY22 (double click to open)*

Water Rights Accounting for WY22

| Water Right ID | Water Right Name | Priority | Class | Quantity | Category | Subcategory | Use | Location | Source | Other Info |
|----------------|------------------|----------|-------|----------|----------|-------------|-----|----------|--------|------------|
| WR001          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR002          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR003          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR004          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR005          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR006          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR007          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR008          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR009          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR010          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR011          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR012          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR013          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR014          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR015          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR016          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR017          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR018          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR019          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR020          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR021          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR022          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR023          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR024          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR025          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR026          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR027          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR028          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR029          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR030          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR031          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR032          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR033          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR034          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR035          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR036          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR037          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR038          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR039          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR040          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR041          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR042          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR043          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR044          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR045          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR046          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR047          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR048          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR049          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |
| WR050          | ...              | ...      | ...   | ...      | ...      | ...         | ... | ...      | ...    | ...        |



Map of Groundwater Monitoring Well Network from WY22 Annual Report



- Groundwater Monitoring Network**
- Wells Monitored for Groundwater-Level**  
(symbol style)
- Manual Water-level Data
  - ⊗ Transducer Water-level Data
  - No Water-level Data
- Status of Water Quality Sampling of Wells**  
(symbol color)
- Sampled for Water Quality
  - Not Sampled for Water Quality
- Other Wells**
- ⊗ Well No Longer Able to be Monitored

- Borrego Valley Groundwater Basin Subbasins**
- ▭ Borrego Springs Groundwater Subbasin (7-024.01)
- Surface Water Features**
- Stream Channel
  - Dry Lake
- Other Features**
- ▭ Borrego Springs Subbasin with Management Area Divisions

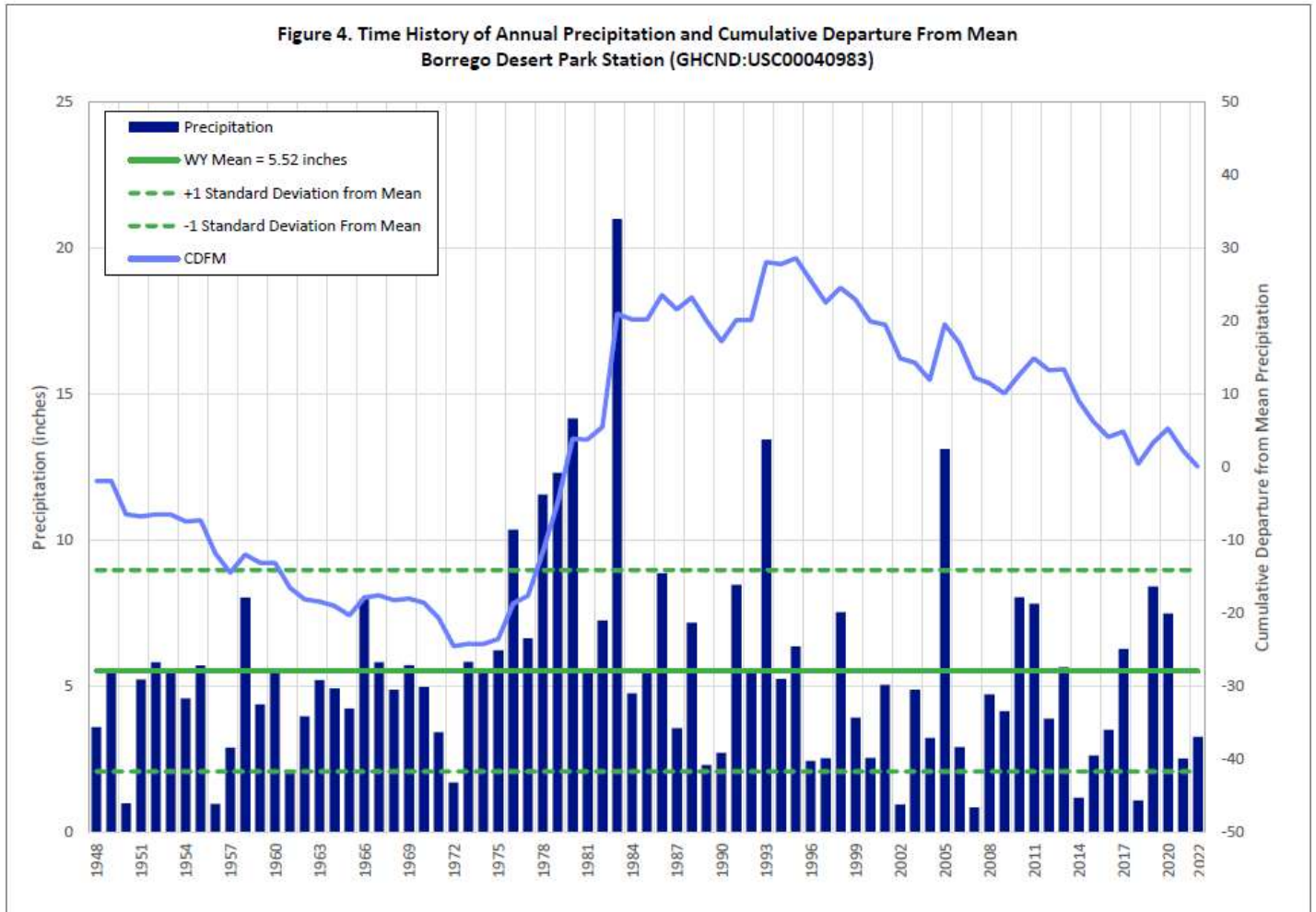


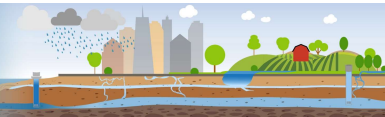
**Figure 2**  
**Groundwater Level and Quality Monitoring Network**  
Borrego Springs Watermaster  
Borrego Springs Subbasin  
2022 Annual Report



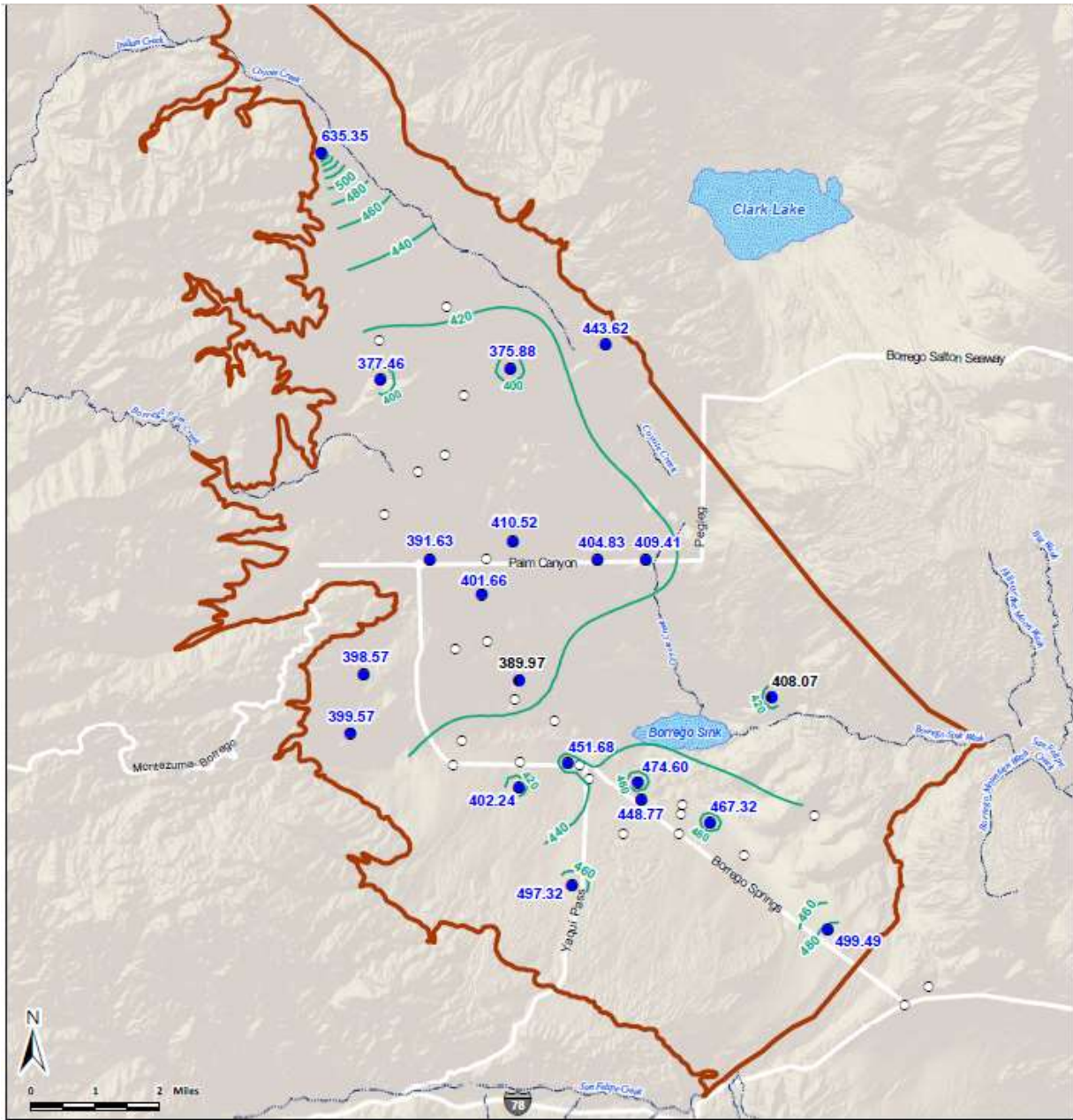


Precipitation History from WY22 Annual Report





*Groundwater Elevations from WY22 Annual Report*



**Groundwater Monitoring Wells Used to Develop Groundwater Elevation Contours for Spring 2022**

- 350 ● True static groundwater elevation (ft-amsl)
- 350 ● Estimated static groundwater elevation (ft-amsl)
- Other Groundwater Monitoring Wells
- 400 — Groundwater Elevation Contours Spring 2022 (ft-amsl)

**Borrego Valley Groundwater Basin Subbasins**

- ▭ Borrego Springs Groundwater Subbasin (7-024.01)

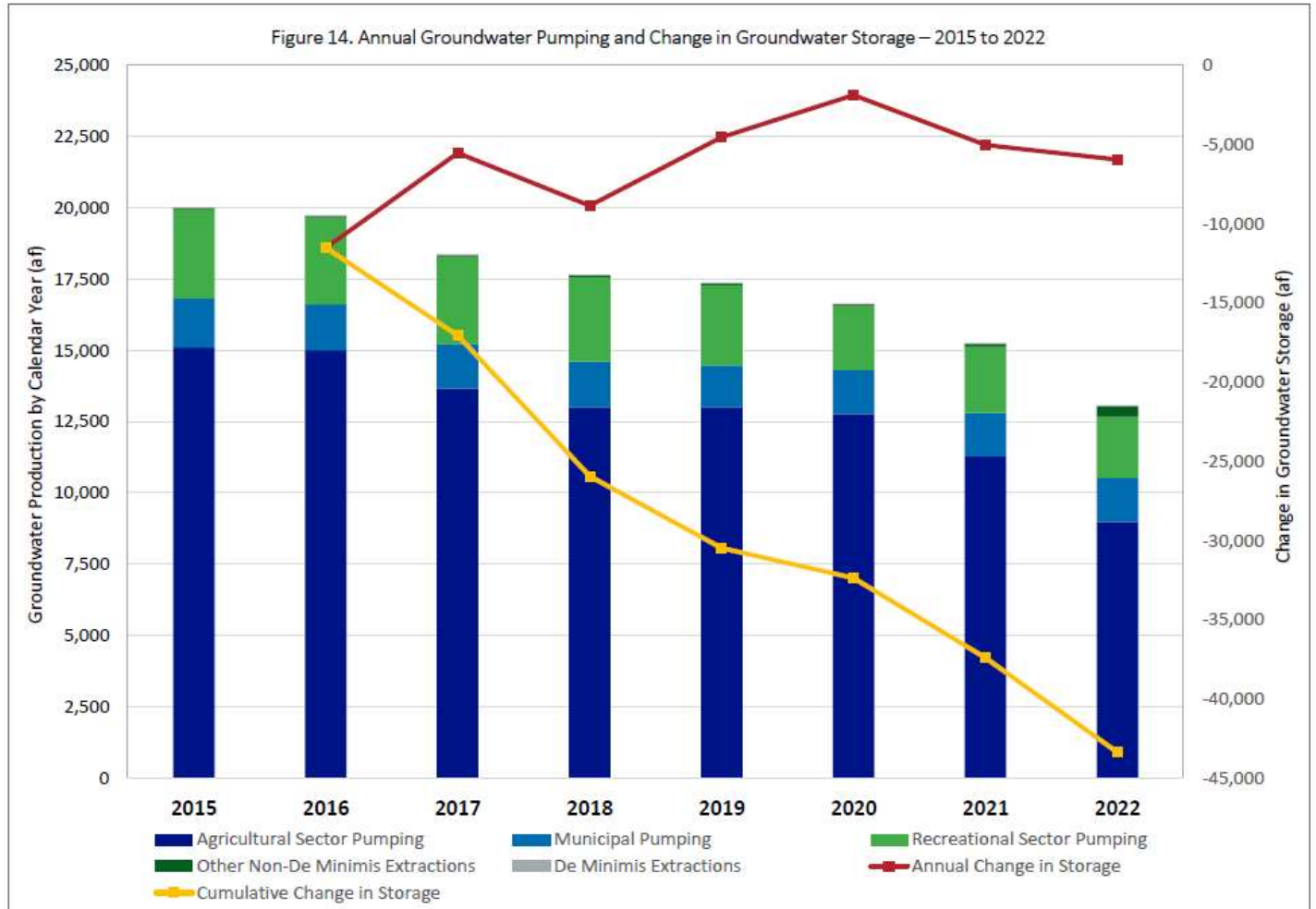
**Surface Water Features**

- Stream Channel
- Dry Lake





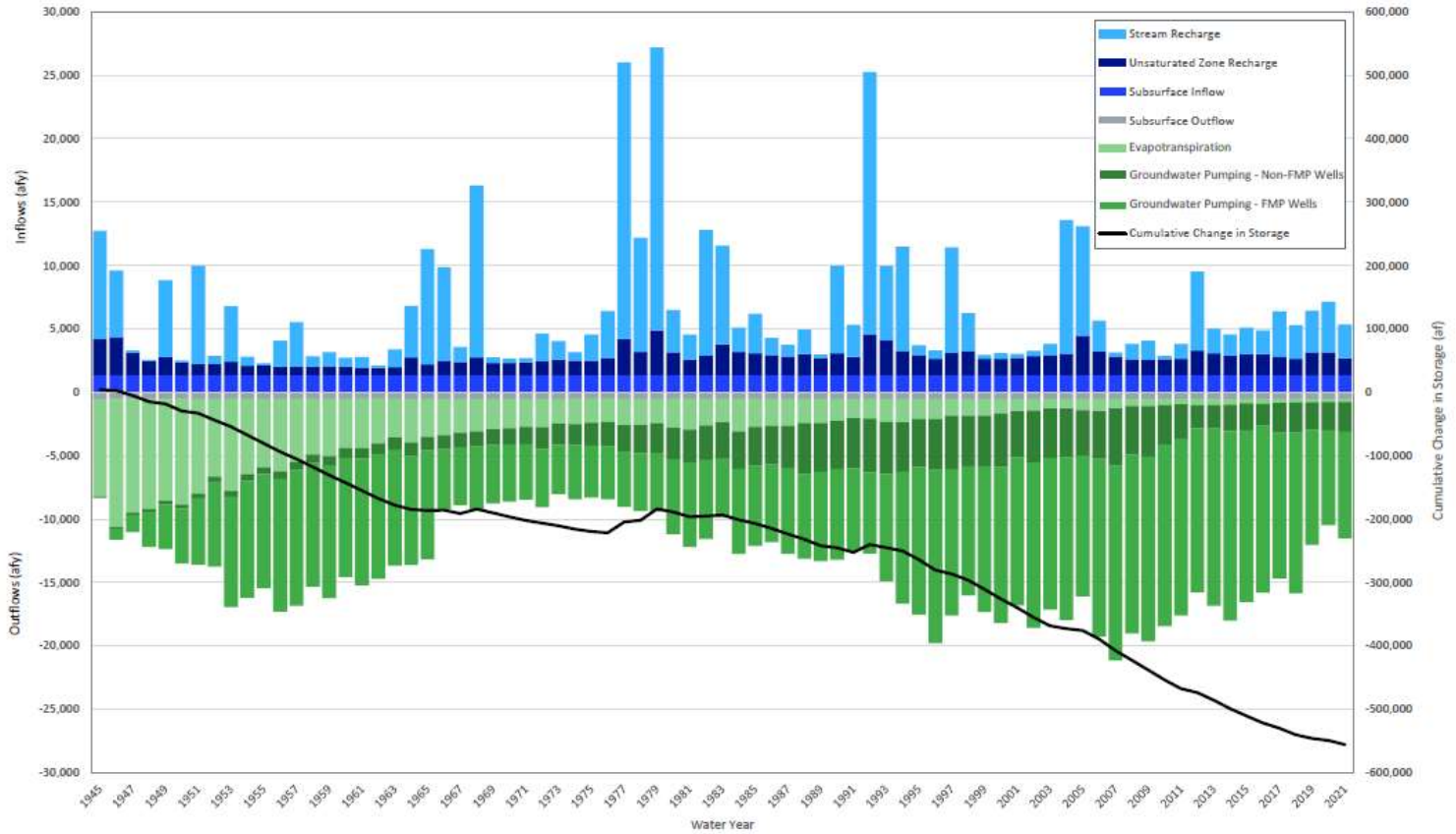
Groundwater Pumping and Change in Storage Report from WY22 Annual Report

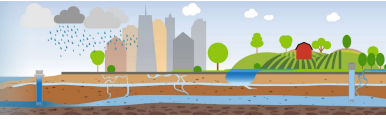




Water Budget from Tech Memo: Redetermination of Sustainable Yield WY22

Figure 4. Water Budget for the 2021 BVHM





*Notice of Watermaster Open House*

**From:** BorregoSprings WM  
**Sent:** Tuesday, November 29, 2022 11:33 AM  
**To:** Samantha Adams  
**Subject:** Notice: Watermaster Open House on December 8, 2022 - Borrego Springs Library

**\*\*\*\*\* NOTICE OF WATERMASTER OPEN  
HOUSE\*\*\*\*\***

Good afternoon Borrego Springs Stakeholders,

The Watermaster will be holding its first Open House event in-person in Borrego Springs on Thursday, December 8, 2022. The Open House will be held at the Borrego Springs Library from 2:00 to 4:00 pm. During this time Watermaster Staff, including the Executive Director (Samantha Adams) and the Lead Technical Consultant (Andy Malone) will be available to answer questions and provide information about the activities of the Borrego Springs Watermaster. The Open House is not a meeting, but an open opportunity for conversation and outreach. If you have any questions you'd like to share with us in advance, please let us know by emailing [borregospringsWM@westyost.com](mailto:borregospringsWM@westyost.com). The Open House will be followed by the Watermaster Regular Board meeting at 4:30 pm.

Thank you for your interest in the Watermaster!

**Borrego Springs Watermaster**  
[borregospringswatermaster.com](http://borregospringswatermaster.com)

**WEST YOST**  
23692 Birtcher Drive  
Lake Forest, CA 92630  
[borregospringsWM@westyost.com](mailto:borregospringsWM@westyost.com)  
[www.westyost.com](http://www.westyost.com) | [LinkedIn](#) | [Facebook](#)



*TAC Meeting Agenda 02/21/2023*

**Borrego Springs Watermaster  
Technical Advisory Committee Meeting  
February 21, 2023 @ 10:00 a.m – 12:00 p.m.  
Meeting Available by Remote Access Only\***

Please join the meeting from your computer, tablet or smartphone.

<https://meet.goto.com/156431389>

You can also dial in using your phone.

United States (Toll Free): 1 866 899 4679

Access Code: 156-431-389

Get the app now and be ready when your first meeting starts: <https://meet.goto.com/install>

**AGENDA**

*Items with supporting documents in the TAC Meeting Package are denoted with a page number.*

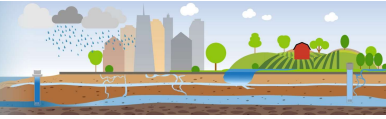
- I. **Roll Call**
- II. **Public Comments**  
*This is an opportunity for members of the public to address the TAC. Comments will be limited to three minutes per commenter.*
- III. **Review of new Watermaster guidelines regarding TAC procedures..... Page 2**
- IV. **Review of draft Groundwater Monitoring Plan** (draft Plan has been delivered via separate email)
- V. **Redetermination of Sustainable Yield in 2025 ..... Page 11**
- VI. **Status Update: DWR Monitoring Well Funded through the DWR's Technical Support Services Grant (time permitting)**
- VII. **Public Comments (time permitting)**  
*This is an opportunity for members of the public to address the TAC on items discussed during the meeting. Comments will be limited to three minutes per commenter, time permitting.*
- VIII. **Future Meetings**
- IX. **Adjournment**



COMPONENT 8 – Groundwater Dependent Ecosystem Identification, Assessment, & Monitoring

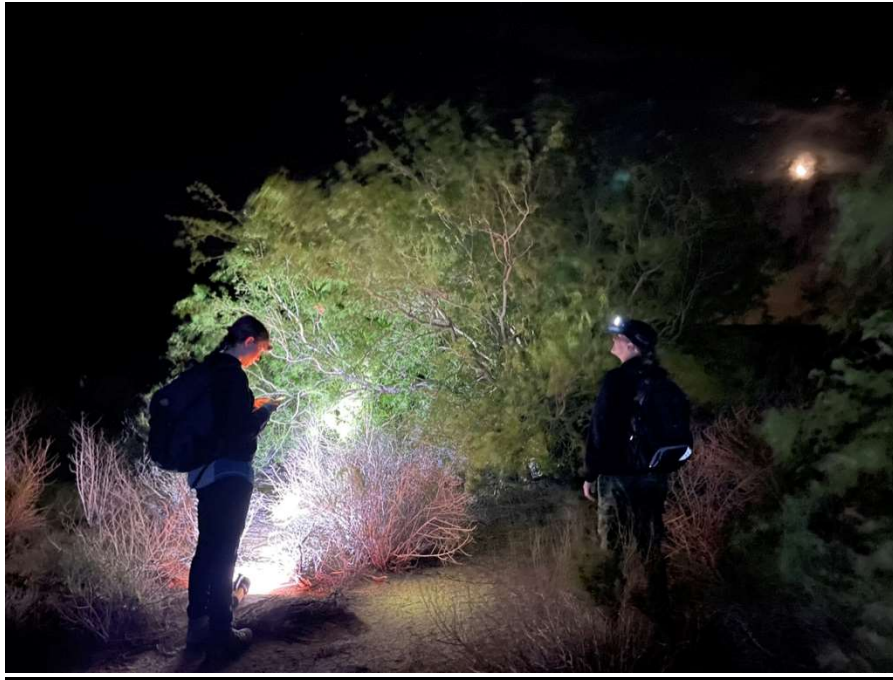


*Dr. Laurel Brigham evaluates a wind-eroded mesquite root system while establishing field sites to be used for identifying groundwater dependent ecosystems in the Borrego Basin.*



*Dr. Nikki Fiore evaluates a down-cutting drainage in the historic bosque of the Borrego basin.*





*Drs. Laurel Brigham and Nikki Fiore sample mesquite at night to document pre-dawn water potential and temporal patterns of plant water use*



*(Left) A soil moisture profile pit at Clark Dry Lake, used to place sensors and establish long-term patterns of soil moisture use by plants. (Right) Soil moisture sensor installation in a profile pit at the Borrego Sink research location.*



*Dr. Travis Huxman, Dr. Laurel Brighman and Dr. Nikki Fiore (left to right speaking) discuss preliminary work on groundwater dependent ecosystem identification and monitoring in a town hall at the Steele/Burnand Anza-Borrego Desert Research Center on March 27, 2023*



## Appendix C – Construction Photos

### COMPONENT 3 – WWTP Monitoring Wells



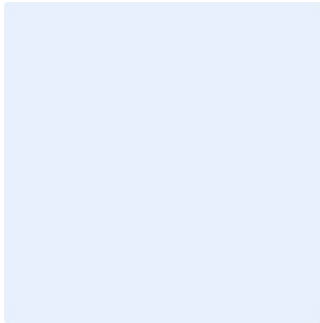
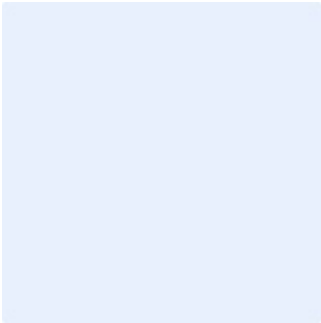
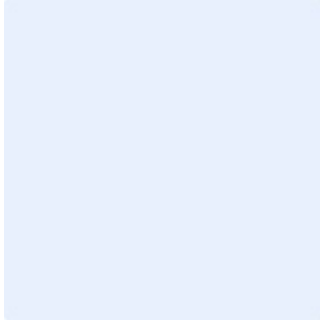
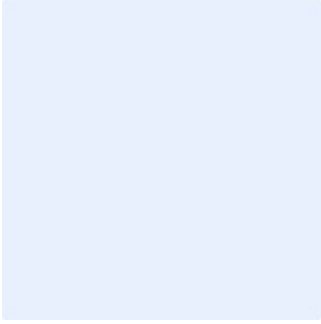
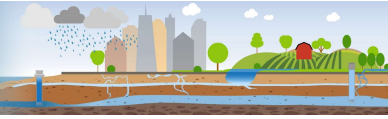
*Pre-Construction Photo of WWTP Monitoring Wells site*



*Survey marker indicates drilling location for well WWTF-4*



*Pre-Construction preparations for WWTP Monitoring Wells site*





## Appendix D

### Invoice Projections

### Invoice Projections

#### Summary of All Components

| <b>IO#: UGF22SGMABWD</b> |                  |                  |                  |                           |                          |
|--------------------------|------------------|------------------|------------------|---------------------------|--------------------------|
| Calendar Year (CY)       | Quarter 1        | Quarter 2        | Quarter 3        | Quarter 4                 | Total Grant Funds per CY |
|                          | Jan. 1 - Mar. 31 | Apr. 1 - Jun. 30 | Jul. 1 - Sep. 30 | Oct. 1 - Dec. 31          |                          |
| <b>2022</b>              | \$ -             | \$ -             | \$ -             | \$ -                      | \$ -                     |
| <b>2023</b>              | \$ 751,123 -     | \$ 575,000 -     | \$ 500,000 -     | \$ 715,000 -              | \$ -                     |
| <b>2024</b>              | \$ 830,000 -     | \$ 980,000 -     | \$ 975,000 -     | \$ 450,000 -              | \$ -                     |
| <b>2025</b>              | \$ 360,000 -     | \$ 20,500 -      | \$ -             | \$ -                      | \$ -                     |
|                          | \$ -             | \$ -             | \$ -             | \$ -                      | \$ -                     |
|                          |                  |                  |                  | <b>TOTAL:</b>             | \$ -                     |
|                          |                  |                  |                  | <b>TOTAL GRANT AWARD:</b> | \$ -                     |