

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Grantee Name: Borrego Water District
Grant Agreement No.: 46-14652
Progress Report No.: 9
Reporting Period: 1/1/2025 TO 3/31/2025
Prepared: 4/30/2025

Project: Implementation Project for the Borrego Springs Subbasin

1. Component 6: Biological Restoration of Fallowed Lands

CATEGORY (A) COMPONENT ADMINISTRATION. The work performed for this task includes monthly project management of the tasks included in Component 6 and preparation of quarterly grant progress reports for submittal to the Borrego Water District (BWD).

The work performed for this task during the reporting period included:

- Completed the eighth quarterly grant progress report and reimbursement request for the October 1, 2024 through December 31, 2024 period.
- Performed project management to review scope, schedule, and budget progress.
- Updated budget status table.

Milestones or Deliverables Completed/Submitted:

- Quarterly grant progress report #8
- Reimbursement request #8

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.
- Based on spending projections for the remainder of the grant period, the remaining Category (a) budget is projected to be surplus to what is needed to complete project management tasks defined in the grant agreement. A request to amend the grant agreement to use the surplus funding from Category (a) to cover efforts in Category (e), specifically due to the increased cost

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

of hosting field trips for the EWG to visit the project area and study sites being evaluated in Category (d) Task 3 - Brush Pile Wildfire Sand Fence Case Study. The amendment request was submitted to DWR on January 15, 2025 and was approved April 15, 2025.

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

CATEGORY (D) MONITORING, ASSESSMENT. The work performed for this task includes the monitoring and reporting portion of the Component 6 tasks.

Task 1 – Review and Analysis of Existing Data

The work performed for this task during the reporting period included:

- None. This task is complete.

Milestones or Deliverables Completed/Submitted:

- None.

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 2 – Existing Fallowed Farmland and Reference Natural Habitat Field Study

The work performed for this task during the reporting period included:

- None. This task is complete.

Milestones or Deliverables Completed/Submitted:

- None.

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 (beyond overall project schedule delay described for Category (A)).

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Task 3 – Brush Pile Wildfire Sand Fence Case Study

The work performed for this task during the reporting period included:

- Held internal meetings and performed internal task coordination and communication.
- Participated in January 15, 2025 Watermaster Board Meeting regarding change order to accommodate the change order from Fredericks Construction to complete construction of the sand fence case study.
- Performed task coordination and communication with subcontractor, Fredericks Construction.
- Subcontractor performed services for sand fence study construction.
- Performed site visits to verify progress and completion of sand fences study construction by subcontractor.
- Installed additional monitoring equipment.
- Collected field data.
- Processed and analyzed field data.
- Presented key findings of entire Component 6 project at March 19, 2025 Watermaster Open House.
- Prepared Task 3 Report entitled “Dust Control Treatment Study Report”.

Milestones or Deliverables Completed/Submitted:

- Completed construction of sand fence study and installation of monitoring equipment
- Task 3 Technical Report entitled “Dust Control Treatment Study 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.

- A change order was received on January 7, 2025, from the subcontractor, Fredericks Construction, which necessitated an increase in the budget for the project of \$30,000, which the Watermaster Board approved with conditions during its January 15, 2025 Board Meeting. The subcontractor's change order was approved and work restarted on January 16, 2025. The subcontractor also experienced cash flow challenges, and to facilitate work without further interruption, Land IQ made regular progress payments. The work was successfully completed in March 2025.
- Additional budget was requested to support the completion of Task 3 – Brush Pile Wildlife Sand Fence Case Study due to several challenges that necessitated extra work (not previously scoped-for) be performed prior to constructing and installing six of the sand fences. Primarily, more work was required to remove and dispose of numerous extra dead palm trees from the study sites. To complete Task 3, an additional \$32,500 was requested to cover the additional labor and equipment costs to remove the remaining dead trees. To cover the cost increase, budget was

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

transferred from Component 7 Monitoring, Reporting, and Groundwater Management Plan Update. This amendment was submitted by BWD to DWR on January 15, 2025 and approved by DWR on April 15, 2025.

Task 4 – Farmland Fallowing Rehabilitation Strategies

The work performed for this task during the reporting period included:

- Held internal meetings and performed task coordination and communication.
- Made edits to Task 4 Report based on feedback from the Watermaster Environmental Working Group (EWG) members following the January 23, 2025 EWG Meeting.
- Prepared presentation slides for the February 19, 2025 Watermaster Board Meeting.
- Presented at Watermaster Board Meeting on February 19, 2025.
- Reviewed and made edits to Task 4 Report following feedback received during the February 2025 Watermaster Board Meeting and written comments from the AAWARE Agricultural Group.
- Prepared presentation slides for the March 19, 2025 Watermaster Open House.
- Presented key findings at the March 19, 2025 Watermaster Open House.
- Prepared combined Task 4/5 Report entitled “Recommended Retired Farmland Rehabilitation Strategies”.

Milestones or Deliverables Completed/Submitted:

- Task 4/5 Report entitled “Recommended Retired Farmland Rehabilitation Strategies”

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 (beyond overall project schedule delay described for Category (A)).

Task 5 – Farmland Fallowing Prioritization

The work performed for this task during the reporting period included:

- Held internal meetings, and task coordination and communication.
- Performed data analysis and incorporated results into combined Task 4/5 Report entitled “Recommended Retired Farmland Rehabilitation Strategies”.
- Updated Prioritization Map based on feedback received during the February 19, 2025 Watermaster Board Meeting.
- Presented key findings at the March 19, 2025 Watermaster Open House.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Milestones or Deliverables Completed/Submitted:

- Task 4/5 Report entitled “Recommended Retired Farmland Rehabilitation Strategies”

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 (beyond overall project schedule delay described for Category (A)).

CATEGORY (E) STAKEHOLDER OUTREACH. The work performed for this task includes stakeholder outreach activities to support the implementation and communication of the Component 6 tasks.

Task 6 – Conduct Environmental Working Group (EWG) Meetings

The work performed for this task during the reporting period included:

- Prepared meeting minutes, agenda package, and meeting presentation for the EWG meeting on January 23, 2025.
- Prepared for and presented at an EWG meeting on January 23, 2025.
- Posted all meeting materials to the Borrego Springs Watermaster website.
- Updated the EWG website with meeting information.

Milestones or Deliverables Completed/Submitted:

- Agenda packet and meeting presentation for the January 23, 2025 EWG meeting.

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 more EWG meetings being held in-person than anticipated, expenses related to conducting EWG meetings are greater than initially budgeted-for in the grant agreement. To cover the increased costs of these meetings, a grant amendment was submitted, which requested funding from Category (a) be re-allocated to Category (e). This amendment was submitted by BWD to DWR on January 15, 2025 and was approved on April 15, 2025.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

2. 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:

- Corresponded with BWD throughout the month on grant requirements and logistics, reimbursement status, quarterly reports, and completion reports.
- Performed monthly project management to review scope, schedule, and budget progress.
- Updated budget status table.
- Completed the eighth quarterly grant progress report and reimbursement request for the October 1, 2024 through December 31, 2024 period.
- Executed annual Task Order Agreement with vendor (Well Tec) to perform field work to convert inactive/abandoned wells in the Basin into monitoring wells.
- Prepared redline version of SGM grant and narrative on proposed changes to project budget and scope (Grant Amendment #2). Submitted amendment to BWD for review and submission to DWR.
- Corresponded with DWR regarding their comments on Grant Amendment Request #2. Revised the redline version of the SGM grant and narrative and prepared a response to comments document.
- Coordinated schedule and assignments to complete grant tasks by March 31, 2025.

Milestones or Deliverables Completed/Submitted:

- Quarterly grant progress report #8
- Reimbursement request #8

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.

- Based on spending projections for the remainder of the grant period, the remaining Category (a) budget is projected to be surplus to what is needed to complete project management tasks defined in the grant agreement. A grant amendment to request to transfer the surplus funding from Category (a) to cover efforts in Category (d). The amendment request was submitted to DWR on January 15, 2025 and was approved on April 15, 2025.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

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 – conversion of abandoned wells.

Task 1 - Environmental Documentation/Permitting

The work performed for this task during the reporting period included:

- This task is complete.

Milestones or Deliverables Completed/Submitted:

- None.

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 2 – Design Plans and Specifications

The work performed for this task during the reporting period included:

- Prepared revised cost estimate to complete conversion of abandoned wells project.
- Executed Task Order #3 with Well Tec to perform field work to convert and secure wells.

Milestones or Deliverables Completed/Submitted:

- None.

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.

- The well conversion 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 was completed by March 31, 2025. The schedule delay did not result in any change orders for the project.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

CATEGORY (C) CONSTRUCTION, IMPLEMENTATION. The work performed for this task includes the construction and implementation portion of the Component 7 tasks. Component 7 includes one task in the grant agreement – conversion of abandoned wells.

Task 3 - Construction Management

The work performed for this task during the reporting period included:

- Coordinated with Well Tec throughout the month to discuss field work, results of video logs, and answer questions about rehabilitating and converting wells.
- Communicated with well owners on the status of the conversion of wells, video log results, and next steps.
- Roundtrip travel to/from Borrego Springs to perform construction management activities, including:
 - January 20, 2025 – met with Well Tec to kick off field campaign to convert abandoned wells.
 - January 27, 2025 – conducted interviews in the field with Well Tec staff to satisfy Labor Compliance Reporting requirements.
 - February 18 and February 25, 2025 - performed site inspections of the fifteen (15) converted and/or secured wells. The site inspections were performed by Andy Malone, PG, and Clay Kelty, GIT.
- Collected groundwater-level measurements or groundwater-quality samples at the newly converted wells.
- Prepared draft and final Well Conversion Reports for all 15 wells that were secured and/or rehabilitated.
- Issued a Notice of Completion to Well Tec to document completion of the project.

Milestones or Deliverables Completed/Submitted:

- 15 Well Conversion Reports
- Inspection forms confirming proper conversion and/or securing of all 15 wells
- Notice of Completion

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 4 - Construct New Monitoring Facilities (Surface Water Station)

This task has been omitted pursuant to the grant amendment approved by DWR on February 26, 2024.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Task 5 – Identify and Address Improperly Abandoned Wells

The work performed for this task during the reporting period included:

- Performed field work to convert, rehabilitate, and/or secure 15 wells in the Basin. Work completed included:
 - Secured six (6) inactive/abandoned wells.
 - Video logged nine (9) wells.
 - Converted and secured four (4) inactive/abandoned wells and added them to the Groundwater Monitoring Program
 - Rehabilitated and secured four (4) existing wells in the Watermaster's Groundwater Monitoring Program
 - Installed new well lids in three wells (Hanna Flowers, Evan West, and Hayden).
 - Purchased and installed two new locks to secure newly installed well lids.
 - Purchased and installed new transducers at four wells (Army, ID4-4, Hayden, and Viking).
 - Purchased and installed new direct read cables at four wells (Army, ID4-4, Hayden, and Hanna Flowers).
- Conducted laboratory analysis of one groundwater quality sample collected at a newly rehabilitated well that was added to the groundwater-quality monitoring program.
- Received, cataloged, processed into standard formats, performed QA/QC, and loaded to HydroDaVE the following:
 - Water quality parameters for a sample collected from the ID4-2 well collected in the field by Watermaster staff in February 2025.
 - Water level transducer data downloaded from the Hanna Flowers well while the well lid was being secured.
- Prepared technical memorandum on the conversion and rehabilitation of abandoned wells project entitled "Expansion of the Borrego Springs Subbasin Groundwater Monitoring Program and Conversion of Inactive/Abandoned Wells"
- Finalized an FAQ handout on abandoned wells in the Basin and sent to the County of San Diego Department of Environmental Health and Quality (DEHQ) for review.

Milestones or Deliverables Completed/Submitted:

- Final Report entitled "Expansion of the Borrego Springs Subbasin Groundwater Monitoring Program and Conversion of Inactive/Abandoned Wells"
- Photos of wells before, during, and after field work
- Abandoned Wells FAQ

Impediments to Completion of Task:

- A delay in schedule resulted from the DWR's request to re-review the Entry Agreements that the Watermaster had been executing with well owners. The Watermaster was notified in October 2024 that DWR's Legal team needed to re-review the Entry Agreements, which were previously

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

approved by the former grant manager. Watermaster paused all work on this task between October – December 2024 while the DWR Legal team reviewed the Entry Agreements, which has resulted in a delay to the schedule to complete the conversions. On December 16, 2024, the DWR informed the Watermaster that the Entry Agreements are acceptable. Upon receiving approval from DWR to proceed with the use of the Entry Agreements, the Watermaster contacted private well owners to finalize the Entry Agreements and arranged for Well Tec, the subcontractor, to perform the well conversions in early 2025. Despite the delay in schedule, the project was completed by March 31, 2025. Additionally, the schedule delay did not result in any change orders for the project.

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.

- As noted for Category (b), the well conversion 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 was completed by March 31, 2025. The schedule delay did not result in any change orders for the project.
- Additionally, the cost to complete the conversions is lower than anticipated due a number of wells only requiring “simple” conversions. Thus, a request was made to amend the grant agreement to use a portion of the Category (c) budget to cover efforts in Component 6, Category (d) and Component 7, Category (d). The amendment request was submitted to DWR on January 15, 2025 and was approved on April 15, 2025.

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

Task 6 - Groundwater Pumping Monitoring

The work performed for this task during the reporting period included:

Monthly Collection and Processing of Meter Read Data

- Collected, compiled, and managed all Basin pumping data to ensure compliance with pumping rampdown, including:
 - Cataloged and processed monthly meter reads for December 2024 through February 2025.
 - Calculated pumping by well for December 2024 through February 2025.
 - Performed QA/QC of December 2024 through February 2025 pumping data.
- Uploaded WY 2024 pumping data to the Watermaster’s database.

Annual Meter Verification

- Compiled and reviewed all meter test results to assess compliance and accuracy standards. Completed tracking sheet to document all meter test outcomes.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- Corresponded with pumpers and McCall Meters about performing annual meter verification testing.
- Coordinated with meter verification vendor and Parties to schedule missing testing results.
- Completed review of meter test results to assess compliance with accuracy standards. Updated and finalized tracking sheet to document all meter test outcomes.
- Reimbursable expenses billed this period include annual meter verification tests (invoices from McCall's Meter Sales & Service and McKeever Water Well & Pump Services).

Milestones or Deliverables Completed/Submitted:

- Completed meter verification testing for WY 2025.

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.

Tasks 7 and 8 - Groundwater Level and Quality Monitoring Program

The work performed for this task during the reporting period included:

Semi Annual Monitoring Events -

- Completed the Fall 2024 Semi-Annual Monitoring Report.
- Prepared for the spring 2025 semi-annual monitoring event, which included: coordinating with well owners to develop monitoring schedule, organizing and preparing the water quality sample bottles received from the Clinical laboratory, 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.
- Purchased two (2) new transducers.
- Performed the Spring 2025 semi-annual field monitoring event in Borrego Springs from March 16 to March 20, 2025. This work included:
 - Mobilized to Borrego Springs with all equipment for monitoring.
 - Visited 28 wells to collect water quality samples.
 - Visited 13 wells to download transducer data. At these 13 wells with transducers installed, the data loggers with continuously record water levels were downloaded, serviced (as needed), and reset.
 - Installed new transducers in two wells, which were previously not equipped with transducers.
 - Replaced a transducer in one well due to a dead battery.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- Visited 52 wells to collect manual water level readings. This work included documenting site conditions and measuring (if possible) a static water level depth.
- Performed well reconnaissance effort of one new well. The site reconnaissance was performed determine if the well is a good candidate to fill a data gap in the groundwater-level and/or quality monitoring network. This well was added to the Watermaster's database.
- Downloaded data from the Barologger installed in the BSR 6 well to compensate transducer measurements at all wells.
- Mobilized back to the West Yost Lake Forest Office.
- Cataloged, processed into standard formats, performed QA/QC, and loaded to HydroDaVE water level transducer data downloaded from the MW-1 well by West Yost staff, prior to the well being secured by Well Tec in March 2025.
- Received, cataloged, processed into standard formats, performed QA/QC, and loaded to HydroDaVE field water quality parameters for samples collected in the field by Watermaster staff in March 2025.
- Cataloged, processed into standard formats, performed QA/QC, and loaded to HydroDaVE transducer and manual water level data collected in the field by Watermaster staff in March 2025.
- Reimbursable expenses billed this period from the spring 2025 semi-annual monitoring event include: groundwater quality collection services by Blaine Tech Services and laboratory analysis of groundwater quality samples by Clinical Laboratory of San Bernadino, Inc.

Milestones or Deliverables Completed/Submitted:

- None.

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 success in adding new monitoring locations as a result of public outreach efforts, expenses related to performing the semi-annual monitoring events are greater than initially budgeted-for in the grant agreement. To cover the increased costs of groundwater-level and groundwater-quality, a grant amendment was submitted on January 15, 2025, which requested a transfer of surplus funding from Category (a) and Category (c) be re-allocated to Category (d). The amendment was approved April 15, 2025.

Task 9 - Maintain and Enhance the Data Management System (DMS)

The work performed for this task during the reporting period included:

- Loaded newly identified well into HydroDaVE.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- Completed GAMA submission of all historical groundwater-quality data from fall 2020 through 2024.
- Cataloged, processed into standard formats, performed QA/QC, and loaded to HydroDaVE the following datasets collected in Spring 2025:
 - Water level data collected by BWD field staff at BWD Wells.
 - Water level transducer data downloaded by BWD field staff at BWD wells.
- Uploaded well construction information and groundwater-quality results for the four new BWD Rams Hill Wastewater Treatment Facility (WWTF) wells to the data management system.

Milestones or Deliverables Completed/Submitted:

- Historical groundwater quality data (2020 – 2024) submitted to GAMA.
- Spring 2025 groundwater level and quality data uploaded to HydroDaVE.

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 10 - Annual Reporting to the Court and DWR

The work performed for this task during the reporting period included:

Annual Water Rights Accounting

- None. This task is complete.

Annual Report to the Court and DWR

- Prepared the draft and final Water Year 2024 Annual Report to the Court and DWR.
- Uploaded report and required data files to the DWR SGMA Portal.

Milestones or Deliverables Completed/Submitted:

- Water Year 2024 Draft Annual Report.
- Water Year 2024 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 11 - Redetermination of the Sustainable Yield of the Borrego Springs Subbasin**

The Borrego Springs Watermaster approved a scope-of-work to Redetermine the Sustainable Yield by 2025. The scope-of-work includes five tasks, which are referenced below. The work performed for this task during the reporting period included:

- Continued work to support development of projection scenarios and running the Borrego Valley Hydrologic Model (BVHM) through 2070, including:
 - Developed Party-specific Pumping Plans of projected groundwater pumping to support development of projection scenarios to run with the BVHM. Pumping projections were developed based on conversations with all major Pumpers in the Basin.
 - Reviewed pumping projections and compared pumping projections to Carryover limits to determine if sufficient BPA and/or Carryover available to cover over pumping by some Parties who indicated over-pumping will be remedied through transfers of BPA or Carryover.
 - Performed analysis of historical precipitation to identify the driest consecutive 20-year period from 1950 through 2030.
 - Updated the BVHM based on discussion with Pumpers, including addition of new wells to the BVHM to simulate future pumping and updating future land uses simulated by the model.
 - Developed methodology for establishing a connection between MNW2 package and Farm Process (FMP) to simulate future groundwater demands, return flows, and pumping.
 - Developed methodology to estimate recharge from irrigation and assigned recharge to unsaturated zone (UZF) input files.
 - Extended all model input files through the projection period of WY 2070.
 - Developed Python scripts to prepare and QA/QC model input files and post-process model results.
 - Ran first model projection scenario, in which historical climate from the past 47-years is repeated in the projected 47-year period. Reviewed and QC'd results.
 - Prepared hydrographs of simulated vs. observed groundwater-levels at select wells in the Basin to review projected groundwater-levels.
 - Identified and evaluated a model discrepancy in which wells in the MNW2 did not pump the full amount assigned in the projection scenario. Quantified amount of under-pumping by year and by well.
 - Performed a manual calibration of aquifer parameters in Layer 3 of the model in the areas surrounding the wells that under-pumped. Processed the results and summarized the impact of the manual calibration on the water budget, water levels, and ability of the wells to pump their assigned amounts.
- Prepared a technical memorandum summarizing the use of the BVHM to evaluate future pumping in Borrego Springs, entitled “Use of the 2022 BVHM to Evaluate Sustainability of Future Pumping in the Borrego Springs Subbasin”

Milestones or Deliverables Completed/Submitted:

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- TM entitled “Use of the 2022 BVHM to Evaluate Sustainability of Future Pumping in 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.

- Additional budget was needed to complete the modeling of the 2025 Sustainable Yield and to run forward projections of the BVHM to evaluate future groundwater-levels and groundwater storage under the 2025 Sustainable Yield and to support the 5-Year assessment. A grant amendment was submitted on January 15, 2025, which requested a transfer of funding from Category (c) be re-allocated to Category (d) to cover these costs. The amendment was approved April 15, 2025.

Task 12 – Prepare the 2025 Groundwater Management Plan (GMP) Update

The work performed for this task during the reporting period included:

- Completed the framework document and scope of work for the 5-year GMP Assessment Report.
- Reviewed DWR comments and Recommended Corrective Actions (RCA) on the approval of the Alternative Plan.
- Coordinated meeting between DWR, Board members, and Legal Counsel to discuss release of DWR review and approval of the Alternative Plan.
- Developed and ran script to process and generate time-series charts of groundwater level measurements from transducers to highlight static groundwater-level measurements (i.e., water level measurements not influenced by pumping) so the records can more effectively be compared to Sustainable Management Criteria.
- Developed Python script to perform updated analysis of groundwater quality trends, including a Mann Kendall analysis. Performed analysis on existing constituents of concern (COCs) in the GMP and performed analysis on other constituents in consideration of modifying the COCs in the GMP.
- Set up data to make formatted figures and tables summarizing Mann Kendall trends in groundwater quality for the following periods: pre-SGMA, post-SGMA, and all data.
- Summarized trends in groundwater-quality by well, aquifer layer, and Management Area.
- Prepared updated climate data and statistics of monthly precipitation, temperature, and evapotranspiration (Figures 2.2-4 through 2.2-6 of the GMP).
- Developed a new average-weighted Specific Yield grid using values from the Calibrated BVHM to use in the change in storage calculation.
- Calculated the annual change in storage in storage fall 2020 to fall 2024 using aquifer parameters from the Calibrated BVHM and using two different methods. Compared results to results from the Calibrated BVHM.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- Updated the Hydrogeologic Conceptual Model figure in the GMP (Figure 2.2-1) based on new information.
- Developed figures and tables using results from the Calibrated BVHM.
- Developed figure of historical changes in land surface elevation measured at the Borrego Valley Airport Station P486. Calculated rates of change and summarized results.
- Continued work on recommended updates to the Sustainable Management Criteria and incorporated feedback from the TAC into a revised strategy.
- Documented well screen and well casing depths for wells in the recreational and municipal sectors and documented the magnitude of historical drawdown at these wells in each Management Area of the Basin.
- Continued effort to characterize location of potential de minimis wells, their well depths, and saturated well screens, including development of a map comparing well depths to model-estimated water levels.

Milestones or Deliverables Completed/Submitted:

- Annotated Outline and Framework to complete the 5-Year Assessment 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.

- When the grant application was initially prepared, Watermaster assumed that its 5-year assessment and GMP update would be due in January 2025, as the initial alternative plan (which is comprised of the Judgment and GMP) was submitted in January 2020. Since the time of the grant application, DWR has informed Watermaster that (1) the 5-year assessment is not due until June 2026 and (2) that it will not accept or review an assessment for an alternative plan that has not been approved by the DWR. However by mid-2024, the Watermaster had not received any comments from DWR on its alternative submission and Watermaster determined it was not possible to complete the 5-year assessment and GMP update as included in the original grant agreement work plan. In acknowledgement of this, BWD first submitted a grant amendment to DWR on July 15, 2024¹ which proposed to use the grant funding to prepare a framework document for the 5-year assessment and a recommended scope of work to complete the assessment (assuming input from DWR received before the grant deadline). The framework document can be used as a template for future 5-year assessment updates and will include development of standard figures and table templates that can be used to assess

¹ As described in Section 5 – Other Major Issues, BWD submitted an amended Grant Amendment #2 to DWR on January 15, 2025. Both amendments (submitted in July 2024 and January 2025) included the request to prepare the framework document for the 5-year assessment.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

sustainability based on basin conditions and Sustainable Management Criteria. This change was approved April 15, 2025.

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.

Task 13 - Interested Party Outreach

The work performed for this task during the reporting period included:

Technical Advisory Committee Meetings*

*Note: all TAC meetings were held remotely during the reporting period.

- Coordinated with TAC members to schedule Regular TAC working meetings for February, March, and May 2025.
- Prepared for and attended a February 25, 2025 TAC working meeting and March 18, 2025 Ad-Hoc TAC meeting, including:
 - Prepared meeting agendas and distributed to the TAC and public distribution list via email.
 - Prepared PowerPoint Presentation
 - Conducted the meetings, which were attended by Andy Malone, Samantha Adams, and Lauren Salberg.
 - Posted final PowerPoint Presentation, recording, and all meeting materials to the Watermaster website.

Stakeholder Open House

- Prepared PowerPoint Presentation slides on the redetermination of the 2025 Sustainable Yield for the January 8, 2025 Borrego Springs Community Sponsor Group meeting.
- Attended and presented at the Borrego Springs Community Sponsor Group meeting on January 8, 2025. The meeting was attended by Andy Malone.
- Produced outreach materials advertising the March 19, 2025 Borrego Springs Watermaster Open House.
- Prepared PowerPoint Presentation to support the March 19th Borrego Springs Watermaster Open House.
- Conducted a virtual Open House on March 19, 2025 from 1:00 pm to 4:00 pm. Open House was run by Andy Malone, Samantha Adams, and Lauren Salberg.
- Captured notes on questions and discussions held during the Open House.

Maintain Website and Grant Communications

- Updated page on the Borrego Springs Watermaster's website about the DWR SGM Grant and Stakeholder Outreach.
- Updated several pages on the Borrego Springs Watermaster's website with new information, links to new reports, and photos.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

- Updated website with reports and deliverables produced using SGM grant funding.
- Coordinated with Legal Counsel on the development of a new webpage dedicated to disseminating information about Court rulings and Judgment Amendments.

Milestones or Deliverables Completed/Submitted:

- TAC Meetings:
 - February 25, 2025 TAC meeting agenda, package, and PowerPoint presentation.
 - March 18, 2025 Ad-Hoc TAC meeting agenda and PowerPoint presentation.
- January 8, 2025 Borrego Springs Community Sponsor Group Meeting PowerPoint Presentation slides
- March 19, 2025 Stakeholder Open House: meeting notice, outreach materials, meeting presentation, attendance sheet, photos, and meeting summary.

Impediments to Completion of Task:

- No impacts to report for this period.

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.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM

Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

3. Activities for Next Reporting Period:

Component 6: Biological Restoration of Fallowed Lands

Work to be completed during the next invoice period (April and May 2025) includes:

CATEGORY (A) COMPONENT ADMINISTRATION

- Manage staff and report on project progress.
- Prepare invoices and quarterly progress report for submittal to BWD and DWR for any administrative activities during the final reimbursement period of April and May 2025.
- Perform monthly project management tasks including budget, schedule, and scope of work progress evaluations.

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

CATEGORY (D) MONITORING, ASSESSMENT

Task 1 – Review and Analysis of Existing Data

- This task is complete.

Task 2 - Existing Fallowed Farmland and Reference Natural Habitat Field Study

- This task is complete.

Task 3 - Brush Pile Wildlife Sand Fence Case Study

- This task is complete.

Task 4 - Farmland Fallowing Rehabilitation Strategies

- This task is complete.

Task 5 - Farmland Fallowing Prioritization

- This task is complete.

CATEGORY (E) STAKEHOLDER OUTREACH MONITORING, ASSESSMENT

Task 6 - Conduct Environmental Working Group (EWG) Meetings

- This task is complete.

HANDOUT III.E

SUSTAINABLE GROUNDWATER
MANAGEMENT (SGM)
GRANT PROGRAM

Grantee: Borrego Water District

Project Name: Implementation Project for the

Borrego Springs Subbasin

Grant #: 46-14652

Component 7: Monitoring, Reporting and Groundwater Management Plan Update

Work to be completed during the next invoice period (April and May 2025) includes:

CATEGORY (A) COMPONENT ADMINISTRATION

- Prepare invoices and quarterly progress report for submittal to BWD and DWR for any administrative activities during the final reimbursement period of April and May 2025.
- Prepare the Final Component Completion Report.
- Perform monthly project management tasks including budget, schedule, and scope of work progress evaluations.

CATEGORY (B) PLANNING, DESIGN, ENVIRONMENTAL

Task 1 – Environmental Documentation/Permitting

- This task is complete.

Task 2 – Design Plans and Specifications

- This task is complete.

CATEGORY (C) CONSTRUCTION, IMPLEMENTATION

Task 3 - Construction Management

- This task is complete.

Task 4 - Construction of New Monitoring Facilities (Surface Water Station)

- No work planned. This task has been omitted pursuant to the grant amendment approved by DWR on February 26, 2024.

Task 5 – Identify and Address Improperly Abandoned Wells

- This task is complete.

CATEGORY (D) MONITORING, ASSESSMENT

Task 6 - Groundwater Pumping Monitoring

Monthly Collection and Processing of Meter Read Data

- This task is complete.

Annual Meter Verification

- This task is complete.

Tasks 7 and 8 - Groundwater Level and Quality Monitoring

Semi-Annual Monitoring Events

- This task is complete.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM

Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Prepare Groundwater Monitoring Plan Update

- This task is complete.

Task 9 - Maintain and Enhance the Data Management System

- This task is complete.

Task 10 - Annual Reporting to the Court and DWR

Annual Water Rights Accounting

- This task is complete.

Annual Report to the Court and DWR

- This task is complete.

Task 11 - Redetermination of the Sustainable Yield of the Borrego Springs Subbasin

- This task is complete.

Task 12: Prepare the 2025 GMP Update

- This task is complete.

CATEGORY (E) STAKEHOLDER OUTREACH

Task 13 - Interested Party Outreach

Technical Advisory Committee Meetings

- This task is complete.

Stakeholder Open House

- This task is complete.

Maintain Website and Grant Communications

- This task is complete.

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

4. Project Cost Update:

Component 6: Biological Restoration of Fallowed Lands

ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD:	\$105,203.63
ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:	\$779,346.43

Component 7: Monitoring, Reporting and Groundwater Management Plan Update

ESTIMATED TOTAL PROJECT COST INCURRED THIS REPORTING PERIOD:	\$483,975.00
ESTIMATED TOTAL PROJECT COST INCURRED TO DATE:	\$1,942,311.84



5. Other Major Issues:

Component 6: Biological Restoration of Fallowed Lands

Fewer contractors than anticipated submitted bids to construct the sand fence study under Category (d) Task 3 – Brush Pile Wildfire Sand Fence Case Study, in part due to the grant requirements and remoteness of the work site. The difficulty in identifying and hiring a contractor resulted in a delay in the schedule and increased cost due to the contractor selected. The sand fences are anticipated to be completed a few months later than initially planned, therefore reducing the period in which monitoring can occur. However, research students from the University of California Irvine (UCI) will continue monitoring the sand fence sites and reporting the results to the EWG after the end of the grant period. UCI has proposed to create research questions to be studied by a small group (4 students) of second-year Masters students in their capstone project for their degree at UCI in the Masters in Conservation and Restoration Science. The cost to perform the monitoring and reporting to the EWG will be covered by UCI.

In addition, more budget is needed to complete Category (d) Task 3. Brush Pile Wildlife Sand Fence Case Study. On January 15, 2025, BWD submitted an amendment to DWR requesting that i) surplus budget be transferred from Component 7 Category (c) to Component 6 Category (d) to cover the additional work needed to clear the project sites and complete this task, and ii) surplus budget be transferred from Component 6 Category (a) to Component 6 Category (e) to cover the extra costs for hosting EWG field trips to view the study sites in Category (d) Task 3. The reasons for these modifications are described in their respective Categories of this report. This change was approved April 15, 2025. The work was completed within the grant period and within the amended budget.

Component 7: Monitoring, Reporting and Groundwater Management Plan Update

In the initial grant agreement, 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 was submitted by BWD to modify the scope of work to remove and adjust tasks and associated budgets (as described previously) on July 27, 2023 (Amendment Request #1). This change was approved by DWR on February 26, 2024. The Progress Report has been updated to reflect the approved changes to the grant agreement.

On January 15, 2025, BWD submitted another amendment to DWR (Amendment Request #2)² requesting to i) transfer portions of the budgets of Component 7, Category (a) to Component and

² BWD had previously submitted Amendment Request #2 on July 15, 2024 to DWR requesting to i) transfer portions of the budgets of Category (a) and Category (c) to Category (d) and, ii) reduce the scope *Category (d), Task 12. Prepare the 2025 GMP Update*. BWD received verbal approval on this amendment, but never received approval of Amendment Request #2. When additional requests were required, the DWR grant manager recommended that Amendment Request #2 be modified to incorporate all requested amendments since approval

HANDOUT III.E

SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT PROGRAM



Grantee: Borrego Water District
Project Name: Implementation Project for the
Borrego Springs Subbasin
Grant #: 46-14652

Component 7, Category (d), ii) transfer portions of the budgets of Component 7, Category (c) to Component 7, Category (d) and Component 6 (Categories (d) and (e)), and iii) modify the scope of Component 7, Category (d), *Task 12. Prepare the 2025 GMP Update*. The reasons for these modifications are described in their respective Categories of this report. This change was approved April 15, 2025. The work was completed within the grant period and within the amended budget.

of Amendment Request #1. The description of the Amendment Request #2 in this Grant Reimbursement Request Report describes all requested amendments made to DWR as submitted on January 15, 2025.

HANDOUT III.E

Component 6. Quarter 1 - Watermaster Monitoring Reporting and GMP Update				
Cat. (a) Component Administration				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Component Administration	2061688	1/31/2025	\$ 1,219.75
West Yost	Component Administration	2062144	2/28/2025	\$ 88.00
West Yost	Component Administration	2062350	3/31/2025	\$ 59.25
Land IQ	Component Administration	6525	1/31/2025	\$ 55.00
Land IQ	Component Administration	6649	2/28/2025	\$ 125.00
Land IQ	Component Administration	6718	3/31/2025	\$ 275.00
Component Administration Subtotal				\$ 1,822.00
Cat. (b): Environmental/Engineering/Design				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
Environmental/Engineering/Design Subtotal				\$ -
Cat. (c): Implementation/Construction				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
Implementation/Construction Subtotal				\$ -
Cat. (d): Monitoring/Assessment				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Task 3: Sand Fence Case Study	2061688	1/31/2025	\$ 2,351.30
West Yost	Task 4: Following Rehab Strategies	2061688	1/31/2025	\$ 169.00
West Yost	Task 4: Following Rehab Strategies	2062144	2/28/2025	\$ 206.50
West Yost	Task 5: Fallowing Prioritization	2062144	2/28/2025	\$ 562.00
West Yost	Task 4: Following Rehab Strategies	2062350	3/31/2025	\$ 711.00
West Yost	Task 5: Fallowing Prioritization	2062350	3/31/2025	\$ 1,020.25
Land IQ	Task 3: Sand Fence Case Study	6525	1/31/2025	\$ 2,087.50
Land IQ	Task 4: Following Rehab Strategies	6525	1/31/2025	\$ 2,477.50
Land IQ	Task 3: Sand Fence Case Study	6525	1/31/2025	\$ 45,708.46
Land IQ	Task 4: Following Rehab Strategies	6525	1/31/2025	\$ 369.49
Land IQ	Task 5: Fallowing Prioritization	6525	1/31/2025	\$ 7,011.25
Land IQ	Task 3: Sand Fence Case Study	6649	2/28/2025	\$ 1,895.00
Land IQ	Task 3: Sand Fence Case Study	6649	2/28/2025	\$ 10,235.20
Land IQ	Task 3: Sand Fence Case Study	6649	2/28/2025	\$ 2,693.43
Land IQ	Task 4: Following Rehab Strategies	6649	2/28/2025	\$ 4,278.75
Land IQ	Task 4: Following Rehab Strategies	6649	2/28/2025	\$ 1,154.37
Land IQ	Task 5: Fallowing Prioritization	6649	2/28/2025	\$ 82.50
Land IQ	Task 3: Sand Fence Case Study	6718	3/31/2025	\$ 5,568.75
Land IQ	Task 3: Sand Fence Case Study	6718	3/31/2025	\$ 470.40
Land IQ	Task 3: Sand Fence Case Study	6718	3/31/2025	\$ 2,811.81
Land IQ	Task 4: Following Rehab Strategies	6718	3/31/2025	\$ 4,776.25
Land IQ	Task 4: Following Rehab Strategies	6718	3/31/2025	\$ 1,874.50
Land IQ	Task 5: Fallowing Prioritization	6718	3/31/2025	\$ 160.00
Monitoring/Assessment Subtotal				\$ 98,675.21
Cat. (e): Engagement/Outreach				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
Land IQ	Task 6: EWG Meetings	6525	1/31/2025	\$ 1,520.00
Land IQ	Task 6: EWG Meetings	6525	1/31/2025	\$ 1,877.22
Land IQ	Task 6: EWG Meetings	6718	3/31/2025	\$ 160.00
West Yost	Task 6: EWG Meetings	2061688	1/31/2025	\$ 1,149.20
Engagement/Outreach Subtotal				\$ 4,706.42
COMPONENT GRAND TOTAL				\$ 105,203.63

HANDOUT III.E

Component 7. Quarter 1 - Watermaster Monitoring Reporting and GMP Update				
Cat. (a) Component Administration				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Component Administration	2061687	1/31/2025	\$ 5,834.50
West Yost	Component Administration	2062143	2/28/2025	\$ 3,796.25
West Yost	Component Administration	2062349	3/31/2025	\$ 3,515.75
Component Administration Subtotal				\$ 13,146.50
Cat. (b): Environmental/Engineering/Design				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Task 1/2: Documentation, Design Plans and Specifications	2061687	1/31/2025	\$ 568.80
Environmental/Engineering/Design Subtotal				\$ 568.80
Cat. (c): Implementation/Construction				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Task 5: Identify and Address Improperly Abandoned Wells	2061687	1/31/2025	\$ 57,423.98
West Yost	Task 3: Construction Management	2061687	1/31/2025	\$ 6,016.00
West Yost	Task 3: Construction Management	2062143	2/28/2025	\$ 12,008.00
West Yost	Task 5: Identify and Address Improperly Abandoned Wells	2062143	2/28/2025	\$ 105,731.75
West Yost	Task 3: Construction Management	2062349	3/31/2025	\$ 1,775.00
West Yost	Task 5: Identify and Address Improperly Abandoned Wells	2062349	3/31/2025	\$ 20,045.47
Implementation/Construction Subtotal				\$ 203,000.20
Cat. (d): Monitoring/Assessment				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	2061687	1/31/2025	\$ 768.50
West Yost	Task 6: Groundwater Pumping Monitoring - Monthly Meter Reading	2061687	1/31/2025	\$ 2,329.00
West Yost	Task 7/8: Groundwater Level and Quality Monitoring Program - Semi Annual Monitoring Events	2061687	1/31/2025	\$ 5,838.00
McKeever Water Well & Pump Service, Inc.	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	16750	1/28/2025	\$ 1,200.00
McCall's Meter Sales and Service	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	37333	1/31/2025	\$ 11,515.00
McCall's Meter Sales and Service	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	37444	3/19/2025	\$ 1,225.00
McCall's Meter Sales and Service	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	37475	3/31/2025	\$ 490.00
West Yost	Task 9: Maintain and Enhance Data Management System	2061687	1/31/2025	\$ 138.75
West Yost	Task 10: Annual Report to the Court and DWR	2061687	1/31/2025	\$ 10,018.00
West Yost	Task 11: Redetermination of the Sustainable Yield	2061687	1/31/2025	\$ 7,347.00
West Yost	Task 12: Prepare the 2025 GMP Update	2061687	1/31/2025	\$ 13,696.25
West Yost	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	2062143	2/28/2025	\$ 2,221.00
West Yost	Task 6: Groundwater Pumping Monitoring - Monthly Meter Reading	2062143	2/28/2025	\$ 1,623.50
West Yost	Task 7/8: Groundwater Level and Quality Monitoring Program - Semi Annual Monitoring Events	2062143	2/28/2025	\$ 3,591.00
West Yost	Task 9: Maintain and Enhance Data Management System	2062143	2/28/2025	\$ 2,246.00
West Yost	Task 10: Annual Report to the Court and DWR	2062143	2/28/2025	\$ 237.00
West Yost	Task 11: Redetermination of the Sustainable Yield	2062143	2/28/2025	\$ 14,336.00
West Yost	Task 12: Prepare the 2025 GMP Update	2062143	2/28/2025	\$ 28,663.75
West Yost	Task 6: Groundwater Pumping Monitoring - Annual Meter Verification	2062349	3/31/2025	\$ 645.00
West Yost	Task 6: Groundwater Pumping Monitoring - Monthly Meter Reading	2062349	3/31/2025	\$ 2,279.50
West Yost	Task 7/8: Groundwater Level and Quality Monitoring Program - Semi Annual Monitoring Events	2062349	3/31/2025	\$ 35,745.25
West Yost	Task 9: Maintain and Enhance Data Management System	2062349	3/31/2025	\$ 2,168.75
West Yost	Task 10: Annual Report to the Court and DWR	2062349	3/31/2025	\$ 5,428.95
West Yost	Task 11: Redetermination of the Sustainable Yield	2062349	3/31/2025	\$ 47,074.00
West Yost	Task 12: Prepare the 2025 GMP Update	2062349	3/31/2025	\$ 45,768.50
Monitoring/Assessment Subtotal				\$ 246,593.70
Cat. (e): Engagement/Outreach				
Invoice Description(VENDOR)	Notes/Description	Invoice #	Invoice Date	Invoice Amount
West Yost	Task 13 Outreach - TAC Working Meetings	2061687	1/31/2025	\$ 414.75
West Yost	Task 13: Outreach - Stakeholder Open House	2061687	1/31/2025	\$ 845.00
West Yost	Task 13 Outreach - TAC Working Meetings	2062143	2/28/2025	\$ 7,124.75
West Yost	Task 13 Outreach - TAC Working Meetings	2062349	3/31/2025	\$ 5,881.00
West Yost	Task 13: Outreach - Stakeholder Open House	2062349	3/31/2025	\$ 4,303.25
West Yost	Task 13 Outreach - Website and Grant	2062349	3/31/2025	\$ 2,097.05
Engagement/Outreach Subtotal				\$ 20,665.80
COMPONENT GRAND TOTAL				\$ 483,975.00