

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA
(DEPARTMENT OF WATER RESOURCES) AND
ZONE 7 WATER AGENCY
AGREEMENT NUMBER 4600013569
SUSTAINABLE GROUNDWATER MANAGEMENT (SGM) GRANT**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and the Zone 7 Water Agency, a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee," which parties do hereby agree as follows:

1. **PURPOSE.** The State shall provide funding from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68; Pub. Resources Code, § 80000, et seq.) to the Grantee to assist in financing the Five Year Update: 2022 the Alternative Groundwater Sustainability Plan (GSP) Update for the Livermore Valley Groundwater Basin (Project). The provision of State funds pursuant to this Agreement shall result in an adopted GSP by the applicable Groundwater Sustainability Agency (GSA) and submitted to the Department of Water Resources (DWR) via the Sustainable Groundwater Management Act (SGMA) GSP Submittal Portal for review. The provisions of State funds does not guarantee adoption of the GSP by the applicable GSA or that the GSP will meet all of the evaluation and assessment criteria when submitted to DWR as required by SGMA and implementing regulations
2. **TERM OF GRANT AGREEMENT.** The term of this Grant Agreement begins on the date this Grant Agreement is executed by the State, through final payment plus three (3) years unless otherwise terminated or amended as provided in this Agreement. However, all work shall be completed by APRIL 30, 2022 in accordance with the Schedule as set forth in Exhibit C and no funds may be requested after JUNE 30, 2022.
3. **GRANT AMOUNT.** The maximum amount payable by the State under this Agreement shall not exceed \$500,000.
4. **GRANTEE COST SHARE.** The Grantee is required to provide a Local Cost Share (non-State funds) as set forth in Exhibit B (Budget). Local Cost Share may include Eligible Project Costs directly related to Exhibit A incurred after January 1, 2015, for Proposition 1 funds and incurred after May 18, 2016, for Proposition 68 funds.
5. **BASIC CONDITIONS.** The State shall have no obligation to disburse money for the Project under this Grant Agreement until the Grantee has satisfied the following conditions:
 - A. The Grantee must demonstrate compliance with all eligibility criteria as set forth in the 2019 Program Guidelines for the Sustainable Groundwater Management (SGM) Grant Program.
 - B. For the term of this Grant Agreement, the Grantee submits Quarterly Progress Reports, associated quarterly invoices, and all invoice backup documentation no later than 60-days following the end of the calendar quarter (e.g. submitted by May 30th, August 30th, November 30th, and February 28th) and all other deliverables as required by Paragraph 12, "Submission of Reports" and Exhibit A, "Work Plan".
6. **DISBURSEMENT OF FUNDS.** The State will disburse to the Grantee the amount approved, subject to the availability of funds through normal State processes. Notwithstanding any other provision of this Grant Agreement, no disbursement shall be required at any time or in any manner which is in violation of, or in conflict with, federal or state laws, rules, or regulations, or which may require any rebates to the federal government, or any loss of tax-free status on state bonds, pursuant to any federal statute or regulation. Any and all money disbursed to the Grantee under this Grant Agreement shall be deposited in a non-interest bearing account and shall be used solely to pay Eligible Project Costs.
7. **ELIGIBLE PROJECT COST.** The Grantee shall apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law and Exhibit B, "Budget". Eligible Project Costs include the reasonable costs of studies, engineering, design, land and easement acquisition and associated legal fees, preparation of environmental documentation, environmental mitigations, monitoring, and project

construction. Reimbursable administrative expenses are the necessary costs incidental but directly related to the Project included in this Agreement.

Costs that are not eligible for reimbursement include, but are not limited to the following items:

- A. Costs associated with the formation of a GSA(s).
 - B. Costs for preparing and filing a grant application.
 - C. Operation and maintenance costs, including post construction performance and monitoring costs.
 - D. Purchase of equipment not an integral part of a project.
 - E. Establishing a reserve fund.
 - F. Purchase of water supplies.
 - G. Monitoring and assessment costs for efforts required after project construction is complete.
 - H. Replacement of existing funding sources for ongoing programs.
 - I. Travel and per diem costs.
 - J. Support of existing agency requirements and mandates.
 - K. Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of a project, as set forth and detailed by engineering and feasibility studies, or acquisition of land by eminent domain.
 - L. Meals, food items, or refreshments.
 - M. Overhead and indirect costs: "Indirect Costs" means those costs that are incurred for a common or joint purpose benefiting more than one cost objective and are not readily assignable to the funded project (i.e., costs that are not directly related to the funded project). Examples of Indirect Costs include, but are not limited to: central service costs; general administration of the Grantee; non-project-specific accounting and personnel services performed within the Grantee's organization; depreciation or use allowances on buildings and equipment; the costs of operating and maintaining non-project-specific facilities; tuition and conference fees; forums, trainings, and seminars; and, generic overhead or markup. This prohibition applies to the Grantee and any subcontract or sub-agreement for work on the Project that will be reimbursed pursuant to this Agreement.
8. **METHOD OF PAYMENT.** After the disbursement requirements in Paragraph 5, "Basic Conditions" are met, the State will disburse the whole or portions of State funding to the Grantee, following receipt from the Grantee via US mail or Express mail delivery of a "wet signature" invoice or an electronic invoice certified and transmitted via DocuSign for costs incurred, including Local Cost Share, and timely Quarterly Progress Reports as required by Paragraph 12, "Submission of Reports." Payment will be made no more frequently than quarterly, in arrears, upon receipt of an invoice bearing the Grant Agreement number. Invoices must accompany a Quarterly Progress Report and shall be submitted within sixty (60) days following the end of the calendar quarter (i.e. May 30, August 30, November 30, and February 28). The State will notify the Grantee, in a timely manner, whenever, upon review of an Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs or is not supported by documentation or receipts acceptable to the State. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to the State to cure such deficiency(ies). If the Grantee fails to submit adequate documentation curing the deficiency(ies), the State will adjust the pending invoice by the amount of ineligible or unapproved costs.

Invoices submitted by the Grantee shall include the following information:

- A. Costs incurred for work performed in implementing the Project during the period identified in the particular invoice.

- B. Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for a project during the period identified in the particular invoice for the implementation of a project.
- C. Invoices shall be submitted on forms provided by the State and shall meet the following format requirements:
- i. Invoices must contain the date of the invoice, either the time period covered by the invoice or the invoice date received within the time period covered, and the total amount due.
 - ii. Invoices must be itemized based on the categories (i.e., tasks) specified in Exhibit B, "Budget". The amount claimed for salaries/wages/consultant fees must include a calculation formula (i.e., hours or days worked times the hourly or daily rate = the total amount claimed).
 - iii. One set of sufficient evidence (i.e., receipts, copies of checks, time sheets) must be provided for all costs included in the invoice.
 - iv. Each invoice shall clearly delineate those costs claimed for reimbursement from the State's funding amount, as depicted in Paragraph 3, "Grant Amount" and those costs that represent the Grantee's costs, as applicable, in Paragraph 4, "Grantee Cost Share."
 - v. Original signature and date (in ink) of the Grantee's Project Representative. Submit the original "wet signature" copy of the invoice form to the following address: Kelley List Senior Engineering Geologist, P.O. Box 942836 Sacramento, CA 94236 or an electronic signature certified and transmitted via DocuSign from authorized representative to Kelley List at Kelley.List@water.ca.gov.

All invoices submitted shall be accurate and signed under penalty of law. Any and all costs submitted pursuant to this Agreement shall only be for the tasks set forth herein. The Grantee shall not submit any invoice containing costs that are ineligible or have been reimbursed from other funding sources unless required and specifically noted as such (i.e., match costs/cost share). Any eligible costs for which the Grantee is seeking reimbursement shall not be reimbursed from any other source. Double or multiple billing for time, services, or any other eligible cost is illegal and constitutes fraud. Any suspected occurrences of fraud, forgery, embezzlement, theft, or any other misuse of public funds may result in suspension of disbursements of grant funds and/or termination of this Agreement requiring the repayment of all funds disbursed hereunder plus interest. Additionally, the State may request an audit pursuant to Paragraph D.5 and refer the matter to the Attorney General's Office or the appropriate district attorney's office for criminal prosecution or the imposition of civil liability. (Civ. Code, §§ 1572-1573; Pen. Code, §§ 470, 487-489.)

9. WITHHOLDING OF DISBURSEMENTS BY THE STATE. If the State determines that a project is not being implemented in accordance with the provisions of this Grant Agreement, or that the Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if the Grantee does not remedy any such failure to the State's satisfaction, the State may withhold from the Grantee all or any portion of the State funding and take any other action that it deems necessary to protect its interests. Where a portion of the State funding has been disbursed to the Grantee and the State notifies the Grantee of its decision not to release funds that have been withheld pursuant to Paragraph 10, "Default Provisions," the portion that has been disbursed shall thereafter be repaid immediately with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by the State. The State may consider the Grantee's refusal to repay the requested disbursed amount a contract breach subject to the default provisions in Paragraph 10. If the State notifies the Grantee of its decision to withhold the entire funding amount from the Grantee pursuant to this Paragraph, this Grant Agreement shall terminate upon receipt of such notice by the Grantee and the State shall no longer be required to provide funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either party.
10. DEFAULT PROVISIONS. The Grantee will be in default under this Grant Agreement if any of the following occur:
- A. Substantial breaches of this Grant Agreement, or any supplement or amendment to it, or any other agreement between the Grantee and the State evidencing or securing the Grantee's obligations;

- B. Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement;
- C. Failure to operate or maintain the Project in accordance with this Grant Agreement.
- D. Failure to make any remittance required by this Grant Agreement, including any remittance recommended as the result of an audit conducted pursuant to Paragraph D.5.
- E. Failure to submit quarterly progress reports pursuant to Paragraph 5.
- F. Failure to routinely invoice the State pursuant to Paragraph 5.
- G. Failure to meet any of the requirements set forth in Paragraph 11, "Continuing Eligibility."

Should an event of default occur, the State shall provide a notice of default to the Grantee and shall give the Grantee at least ten (10) calendar days to cure the default from the date the notice is sent via first-class mail to the Grantee. If the Grantee fails to cure the default within the time prescribed by the State, the State may do any of the following:

- A. Declare the funding be immediately repaid, with interest, which shall be equal to State of California general obligation bond interest rate in effect at the time of the default.
- B. Terminate any obligation to make future payments to the Grantee.
- C. Terminate the Grant Agreement.
- D. Take any other action that it deems necessary to protect its interests.

In the event the State finds it necessary to enforce this provision of this Grant Agreement in the manner provided by law, the Grantee agrees to pay all costs incurred by the State including, but not limited to, reasonable attorneys' fees, legal expenses, and costs.

11. CONTINUING ELIGIBILITY. The Grantee must meet the following ongoing requirement(s) and all eligibility criteria outlined in the 2019 Guidelines to remain eligible to receive State funds:
- A. The Grantee must continue to demonstrate eligibility by being a GSA, a member agency of a GSA, or an entity that has an approved Alternative to a GSP and the groundwater basin must continue to be an eligible basin as outlined in the 2019 Guidelines and 2019 Proposal Solicitation Package (PSP).
 - B. An agricultural water supplier receiving State funds must comply with Sustainable Water Use and Demand Reduction requirements outlined in Water Code section 10608, et seq. and have their Agricultural Water Management Plan (AWMP) deemed consistent by DWR. To maintain eligibility and continue funding disbursements, an agricultural water supply must have their 2015 AWMP identified on the State's website. For more information, visit the website listed in Appendix A in 2019 Guidelines.
 - C. Grantees that have been designated as monitoring entities under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program must maintain reporting compliance, as required by Water Code section 10932 and the CASGEM Program.
 - D. To the extent practicable, Grantees shall measure the amount of greenhouse gas emissions reduced and carbon sequestered resulting from an implementation project funded under this Grant Agreement. (Pub. Resources Code, § 80001(b)(7)).
 - E. For groundwater implementation projects that directly affect groundwater levels or quality, the Grantee must demonstrate compliance with the Groundwater Management Act set forth on page 7 of the 2019 Guidelines.
 - F. Grantees must adhere to the protocols developed pursuant to The Open and Transparent Water Data Act (Wat. Code, § 12405, et seq.) for data sharing, transparency, documentation, and quality control.
 - G. If applicable, the development of a Stormwater Resource Plan or functionally equivalent plan for stormwater and dry weather runoff capture projects is required to receive State funds set forth on page 8 of the 2019 Guidelines.

- H. Grantees diverting surface water must maintain compliance with diversion reporting requirements as outlined in Water Code section 5100 et seq.
- I. Sustainable Water Use and Demand Reduction: Senate Bill (SB)x7-7 (Water Code § 10608 et seq.) conditions the receipt of a water management grant or loan for urban water suppliers on gallons per capita per day reduction targets with the end goal of a 20% reduction by 2020.
- J. An urban water supplier that receives grant funds pursuant to this Agreement must maintain compliance with the Urban Water Management Planning Act (UWMP; Water Code § 10610 et seq.) and Sustainable Water Use and Demand Reduction (Water Code § 10608 et seq.) as set forth on page 18 of the 2019 Guidelines. For more information, visit the website listed in Appendix A in 2019 Guidelines.
12. **SUBMISSION OF REPORTS.** The submittal and approval of all reports is a requirement for the successful completion of this Grant Agreement. Reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to the State. All reports shall be submitted to the State's Grant Manager, and shall be submitted via DWR's "Grant Review and Tracking System" (GRanTS). If requested, the Grantee shall promptly provide any additional information deemed necessary by the State for the approval of reports. Reports shall be presented in the formats described in the applicable portion of Exhibit F, "Report Formats and Requirements." The timely submittal of reports is a requirement for initial and continued disbursement of State funds. Submittal and subsequent approval by the State, of a Project Completion Report is a requirement for the release of any funds retained for such project.
- A. **Quarterly Progress Reports:** The Grantee shall submit Quarterly Progress Reports to meet the State's requirement for disbursement of funds. Quarterly Progress Reports shall be shall be uploaded via GRanTS, and the State's Grant Manager notified of upload. Quarterly Progress Reports shall, in part, provide a brief description of the work performed, the Grantees activities, milestones achieved, any accomplishments and any problems encountered in the performance of the work under this Grant Agreement during the reporting period. The first Quarterly Progress Report should be submitted to the State no later than four (4) months after the execution of the agreement, with future reports then due May 30, August 30, November 30, and February 28.
- B. **Five Year Update; 2022 Alternative Groundwater Sustainability Plan (AGSP):** The Grantee shall submit an adopted AGSP to DWR by the date as specified per the SGMA. The AGSP shall be formatted, drafted, prepared, and completed as required by the AGSP Regulations, and in accordance with any other regulations or requirements that are stipulated through SGMA.
- C. **Coordination Agreement:** The Grantee shall provide the State a copy of the executed Coordination Agreement, and all supporting documentation. This condition is only required in basins where GSAs develop multiple GSPs pursuant to Water Code section 10727(b)(3). Refer to the GSP Regulations for necessary details and requirements to prepare and submit a Coordination Agreement.
- D. **Grant Completion Report:** Upon completion of the Project included in Exhibit A, "Work Plan" the Grantee shall submit to the State a Grant Completion Report. The Grant Completion Report shall be submitted as outlined in Exhibits A and F, "Report Formats and Requirements". Retention for the last project to be completed as part of this Grant Agreement will not be disbursed until the Grant Completion Report is submitted to be approved by the State.
13. **STATEWIDE MONITORING REQUIREMENTS.** The Grantee shall ensure that all groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001 (Wat. Code, § 10780 et seq.) and, where applicable, that projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program carried out by the State Water Resources Control Board. See Exhibit G, "Requirements for Data Submittal" for web links and information regarding other State monitoring and data reporting requirements.

14. NOTIFICATION OF STATE. The Grantee shall promptly notify the State, in writing, of the following items:
- A. Events or proposed changes that could affect the scope, budget, or work performed under this Grant Agreement. The Grantee agrees that no substantial change in the scope of a project will be undertaken until written notice of the proposed change has been provided to the State and the State has given written approval for such change. Substantial changes generally include changes to the scope of work, schedule or term, and budget.
 - B. Any public or media event publicizing the accomplishments and/or results of this Grant Agreement and provide the opportunity for attendance and participation by the State's representatives. The Grantee shall make such notification at least fourteen (14) calendar days prior to the event.
 - C. Discovery of any potential archaeological or historical resource. Should a potential archaeological or historical resource be discovered during construction, the Grantee agrees that all work in the area of the find will cease until a qualified archaeologist has evaluated the situation and made recommendations regarding preservation of the resource, and the State has determined what actions should be taken to protect and preserve the resource. The Grantee agrees to implement appropriate actions as directed by the State.
 - D. The initiation of any litigation or the threat of litigation against the Grantee regarding the Project or that may affect the Project in any way.
15. NOTICES. Any notice, demand, request, consent, or approval that either party desires or is required to give to the other party under this Grant Agreement shall be in writing. Notices may be transmitted by any of the following means:
- A. By delivery in person.
 - B. By certified U.S. mail, return receipt requested, postage prepaid.
 - C. By "overnight" delivery service; provided that next-business-day delivery is requested by the sender.
 - D. By electronic means.
 - E. Notices delivered in person will be deemed effective immediately on receipt (or refusal of delivery or receipt). Notices sent by certified mail will be deemed effective given ten (10) calendar days after the date deposited with the U. S. Postal Service. Notices sent by overnight delivery service will be deemed effective one business day after the date deposited with the delivery service. Notices sent electronically will be effective on the date of transmission, which is documented in writing. Notices shall be sent to the below addresses. Either party may, by written notice to the other, designate a different address that shall be substituted for the one below.
16. PERFORMANCE EVALUATION. Upon completion of this Grant Agreement, the Grantee's performance will be evaluated by the State and a copy of the evaluation will be placed in the State file and a copy sent to the Grantee.

17. PROJECT REPRESENTATIVES. The Project Representatives during the term of this Grant Agreement are as follows:

Department of Water Resources
Arthur Hinojosa
Chief, Division of Regional Assistance
P.O. Box 942836
Sacramento, CA 94236-0001
Phone: (916) 653-4736
Email: Arthur.Hinojosa@water.ca.gov

Zone 7 Water Agency
Valerie Pryor
General Manager, Zone 7 Water Agency
100 N Canyons Parkway
Livermore, CA 94551
Phone: (925) 454-5071
Email: groundwater@zone7water.com

Direct all inquiries to the Grant Manager:

Department of Water Resources
Kelley List
Senior Engineering Geologist
P.O. Box 942836
Sacramento, CA 94236
Phone: (916) 651-9613
Email: Kelley.List@water.ca.gov

Zone 7 Water Agency
Tom Rooze,
Associate Hydrogeologist, Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551
Phone: (925) 454-5069
Email: trooze@zone7water.com

Either party may change its Grant Manager, Project Representative, or Project Manager upon written notice to the other party.

18. STANDARD PROVISIONS AND INTEGRATION. This Grant Agreement is complete and is the final Agreement between the parties. The following Exhibits are attached and made a part of this Grant Agreement by this reference:

Exhibit A – Work Plan

Exhibit B – Budget

Exhibit C – Schedule

Exhibit D – Standard Conditions

Exhibit E – Authorizing Resolution Accepting Funds

Exhibit F – Report Formats and Requirements

Exhibit G – Requirements for Data Submittal

Exhibit H – State Audit Document Requirements and Local Cost Share Guidelines for Grantees

Exhibit I – Project Location


CB 5/1/2020

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IN WITNESS WHEREOF, the parties hereto have executed this Grant Agreement.

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

ZONE 7 WATER AGENCY



Arthur Hinojosa
Chief, Division of Regional Assistance

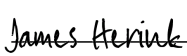


Valarie Pryor
General Manager

Date 5/5/2020

Date 5/4/2020

Approved as to Legal Form and Sufficiency



For
Robin Brewer
Assistant Chief Counsel, Office of Chief Counsel

Date 5/4/2020

Exhibit A

WORK PLAN

Project Title: Five-Year Update: 2022 Alternative GSP for Livermore Valley Groundwater Basin (Project)

Project Description: This Work Plan includes activities associated with planning, development, and preparation of a GSP Alternative Update for the Zone 7 Water Agency District. The resulting Alternative Plan Update will incorporate appropriate Best Management Practices (BMPs) as developed by DWR, and will result in a more complete understanding of the groundwater subbasin to support long-term sustainable groundwater management.

Category (a): Grant Agreement Administration

Prepare reports detailing work completed during reporting period as outlined in Exhibit F, "Report Formats and Requirements" of this Agreement. Progress Reports will include sufficient information for DWR Grant Manager to understand and review backup documentation submitted with invoices. Quarterly invoices will accompany the Quarterly Progress Reports and should be submitted to the DWR Grant Manager for review to receive reimbursement of Eligible Project Costs. Collect and organize backup documentation by task and prepare a summary Excel document detailing contents of the backup documentation organized by task.

Prepare and submit the Environmental Information Form (EIF) within 30 days of the execution date of the Grant Agreement. No invoices will be reviewed or processed until the EIF has been received by DWR's Grant Manager. Submit a deliverable due date schedule within 30 days of the execution date of the Grant Agreement to be reviewed and approved by the DWR Grant Manager. Any edits to the schedule must be approved by the DWR Grant Manager and the revised schedule saved in the appropriate project files.

Prepare the Draft Grant Completion Report and submit to DWR Grant Manager for comment and review 90 days before the work completion date list on Page 1, Paragraph 2. DWR's Grant Manager will review the Draft Grant Completion Report and provide comments and edits within 30 days of receipt, when possible. Prepare a Final Completion Report addressing the Grant Manager's comments 30 days before the work completion date. The report shall be prepared and presented in accordance with the provisions of Exhibit F, "Report Formats and Requirements". All deliverables listed within the Work Plan shall be submitted before the Final Completion Report as outlined on the approved deliverable due date schedule.

Deliverables:

- EIF
- Deliverable due date schedule
- Quarterly Progress Reports, Quarterly Invoices, and all required backup documentation
- Grant Completion Report

Category (b): Stakeholder Engagement / Outreach

Prepare an Outreach and Communication Plan, provide a dedicated SGMA/GSP webpage, collaborate with other agencies, and engage stakeholders through presentations at public meetings that provide a forum for stakeholder involvement.

Task 1: Prepare Outreach and Communications Plan

Prepare an Outreach and Communications Plan that incorporates ongoing Grantee outreach with a focus on the Five-Year Update process. Describe Grantee's decision making through its Board of Directors, maintenance of an interested parties list, relevant collaboration with agencies as part of the Five-Year Update, opportunities for stakeholder engagement, and other public outreach efforts. Present the Outreach and Communications Plan to the Public at a Grantee Board Meeting.

Deliverables:

- Outreach and Communications Plan

Task 2: Create Webpage

Develop a new, dedicated webpage that briefly summarizes SGMA, the Zone 7 Alternative Plan, Annual Reporting, and Five-Year Update process. Ensure the new webpage will be developed to share information with the public and other agencies. Include the Outreach and Communication Plan and announcements of public meetings on the website to encourage public involvement. Post Five-Year Update presentation materials and the draft Update document to the website. Present a screenshot and hyperlink of the website to the Board of Directors at a public meeting. Renew and update the website as needed.

Deliverables:

- Hyperlink to Grantee's Groundwater Sustainability Webpage

Task 3: Provide Outreach to Agencies

Provide outreach and collaborate with the applicable Regional Water Quality Control Board (RWQCB) and land use planning agencies regarding salt and nutrient loading issues. Conduct at least four (4) series of meetings to review respective goals, objectives, concerns, restrictions, and relevant actions with land use planning (e.g., Alameda County, cities of Dublin, Livermore and Pleasanton) and with RWQCB.

Deliverables:

- Summary materials from Land Use Planning Agencies and RWQCB Meetings

Task 4: Inform and Engage Stakeholders

Provide at least three (3) presentations at televised Grantee Board of Directors public meetings. Introduce the Update process in the first meeting and provide a status report in the second meeting. Present the draft Five-Year Update in the third meeting. Ensure the presentations will include PowerPoint slides describing the project and its status. Upload each presentation to the new webpage. Post the draft Update document to the new webpage for public review.

Deliverables:

- Presentation Materials, Meeting Minutes, and Summaries

Category (c): Alternative Plan Update

Address DWR's recommendations within the approval letter of the Alternative GSP, especially those related to the Fringe and Upland Basin Management Areas (also referred to as Fringe Basin and Upland Basin, respectively), and to build on, extend, and improve other components of the Alternative GSP. Incorporate the monitoring findings since the Alternative GSP submittal date into a succinct and streamlined document that provides context as needed.

Task 5: Groundwater Level Program Update

Address the following two DWR recommended actions from the Alternative GSP approval letter:

- (1) "to include monitoring groundwater levels at additional locations in the Uplands Management Area to monitor changes in groundwater conditions and manage the groundwater resources to prevent undesirable results in future updates to the Alternative Report" (Recommended Action #4).
- (2) "to develop quantitative minimum thresholds for the chronic lowering of groundwater levels for the Fringe and Upland management areas to better align with the requirements for management areas and definition of minimum thresholds" (Recommended Action #2).

Subtask 5.1: Address Data Gaps

Address data gaps in the basin, with an emphasis those in the Fringe and Upland Basins. Review existing data, identify data gaps, identify existing wells that may fill those data gaps, contact well owners to obtain permission to monitor those wells, select appropriate wells to be added to the program, and record water level measurements from those wells. Ensure that recently constructed wells will take priority in the selection process.

Deliverables:

- Map and Table of Potential Wells to be Added to the Groundwater Levels Program

Subtask 5.2: Revise Depth to Water and Historic Low Maps

Revise existing depth-to-water map with data obtained in Subtask 1.1. Extend historic low map layer to the Fringe Basin and, if possible, to the Upland Basin.

Deliverables:

- New Minimum Depth-to-Water and Historic Low Groundwater Maps and Tables

Subtask 5.3: Review/Develop Measurable Objectives and Minimum Thresholds

Review existing measurable objectives and minimum thresholds (e.g., for the Main Basin) and develop quantitative minimum thresholds in the Fringe and Upland Basins, as appropriate, based on the data collected in Subtask 1.2. Define measurable objectives and minimum thresholds with specific reference to groundwater levels at representative monitoring sites, and operation of management areas without causing undesirable results in other management areas.

Deliverables:

- Updated Groundwater Levels Section of Alternative GSP Update

Subtask 5.4: Update Monitoring Network

Update groundwater monitoring program maps and tables to include the information collected in Subtasks 1.1 and 1.2 above. Develop the monitoring program to track conditions relative to the minimum thresholds and measurable objectives defined in Subtask 1.3. Initiate plans to construct new monitoring wells in data gap areas that could not be addressed in Subtask 1.1, if necessary. Describe the monitoring frequency and timing at new stations and document relevant monitoring well construction information.

Deliverables:

- Updated Table and Map of Monitoring Wells in Groundwater Level Monitoring Program

Task 6: Groundwater Storage Program Update

Address DWR's recommended action to "develop quantitative minimum thresholds for reduction of groundwater storage for the Fringe and Upland management areas" (Recommended Action #3). Improve tools used to manage Main Basin groundwater storage.

Subtask 6.1: Existing Hydrogeologic Framework

Extend the e-log based cross section network to cover other subbasins within the Main Basin (Bernal and Mocho II), the Fringe Basin, and portions of the Upland Basin. Determine the number and locations of these sections based on available borehole data. Select and purchase an appropriate geology program (e.g., Rockworks), search for other e-logs not currently in database, enter data, create a representative e-log curve for each borehole that represents grain size, and generate cross sections using the geology program. Prepare at least three (3) cross sections, with one extended East-West across the Main and Fringe Basins.

Deliverables:

- Cross Sections

Subtask 6.2: Migrate and Extend Area Recharge Model

Upgrade the existing Areal Recharge Model (ARM) to an off-the-shelf program (e.g., IDC/IWFM, HEC-HMS, or MODFLOW OHWM) that calculates the same datasets. Select and purchase the program, create and calibrate the model, compare the calibrated model to the existing ARM, run the model to regenerate monthly datasets

that cover the last 10 years, modify existing values in database, if necessary, and revise existing groundwater storage calculations as appropriate.

Deliverables:

- ARM Upgrade Technical Memorandum

Subtask 6.3: Review/Develop Measurable Objectives and Minimum Thresholds

Create a GIS layer that represents the basin bottom(s) of the Fringe Basin and, if appropriate, the Upland Basin, using cross sections generated in Subtask 2.1. Utilize the minimum thresholds for groundwater elevation from Task 1 to calculate quantitative minimum thresholds for groundwater storage in the Fringe Basin, and Upland Basin as appropriate. Align minimum thresholds with the definition of management areas and minimum thresholds as provided in the GSP Regulations.

Deliverables:

- Updated Groundwater Storage section in Alternative GSP Update

Task 7: Groundwater Quality Program Update

Address and update components of Grantee groundwater quality program to address continuing and emerging groundwater quality concerns in the basin. Assess how GSP implementation meets sustainability objectives. Update previous projections of Main Basin salt and nitrate concentrations, review information and effects from constituents of concern including Per- and polyfluoroalkyl Substances (PFAS), and update minimum thresholds if necessary. Evaluate the effectiveness of previously-implemented Onsite Wastewater Treatment Systems (OWTS) restrictions/limits to reverse local high nitrate conditions.

Subtask 7.1: Update TDS and Nitrate Projections

Address Salt and Nutrient Management Plan updates to include recent salt and nitrate datasets, possible climate change effects, revised mining completion date estimates, and recent Delta Fix projections.

Deliverables:

- Summary of TDS and Nitrate Projects

Subtask 7.2: Evaluate Effectiveness of NMP Strategies

Evaluate the effect of the 2015 Nutrient Management Plan recommended OWTS restrictions and limits in “Areas of Concern” to minimize nitrate loading to the groundwater basin. Create and compare “before” and “after” nitrate concentration maps and/or prepare nitrate concentration graphs in the “Areas-of-Concern”. Review recent research and guidelines for constituents of concern (COCs) including PFAS that may affect the groundwater basin. Update and create representative groundwater concentration maps for COCs, if appropriate.

Deliverables:

- Description, maps, and/or tables on effectiveness of OWTS restrictions on high nitrate areas-of-concern
- Description, maps, and/or tables on constituent-of-concern for Livermore Valley Groundwater Basin

Subtask 7.3: Review/Develop Measurable Objectives and Minimum Thresholds

Review GSP performance relative to established measurable objectives and minimum thresholds for groundwater quality. Review and/or develop measurable objectives and/or minimum thresholds for groundwater quality for the Fringe and Upland Basins, based on the data collected in Subtasks 3.1 to 3.3, as appropriate.

Deliverables:

- Updated Water Quality Section in Alternative GSP Update

Task 8: Land Subsidence Program Update

Evaluate the use of InSAR on an annual basis, in lieu of the spirit-level land surveys, to evaluate land subsidence over the entire groundwater basin. Utilize results from the 2019 Zone 7 InSAR annual monitoring pilot program to develop a monitoring routine that analyzes subsidence and displays results graphically. Evaluate how GSP implementation meets sustainability objectives for land subsidence. Review and/or develop measurable objectives and/or minimum thresholds for land subsidence for the Fringe and Upland Basins, based on the InSAR data collected in Subtask 4.1, as appropriate.

Deliverables:

- Updated Land Subsidence Section in Alternative GSP Update

Task 9: Surface Water-Groundwater Interaction/Groundwater Dependent Ecosystems Program Update

Reevaluate potential groundwater dependent ecosystems (GDEs) in the Livermore Valley Groundwater Basin with newly-available datasets (e.g. DWR's Natural Communities Commonly Associated with Groundwater (NCCAG) maps, The Nature Conservancy's GDE guidance document, and other local and regional environmental studies and maps).

Subtask 9.1: Identify Groundwater Dependent Ecosystems

Identify potential GDEs that were not recognized in the original Alternative GSP, field-verify their existence, and add appropriate GDEs to the GDE inventory list. Identify potential GDEs with DWR's Natural Communities Commonly Associated with Groundwater (NCCAG) maps, with reference to the guidance document published by The Nature Conservancy, and additional local resources (e.g., updated special species maps, ecosystem studies, riparian habitat mapping, environmental baseline studies, mapping of areas such as agricultural fields, quarries, flood control channels, recharge facilities, etc.). Revise and update existing maps and tables of potential GDEs with information collected in Subtask 5.1 to identify significant GDEs.

Deliverables:

- Updated GDE inventory table and location map

Subtask 9.2: Assess Groundwater Needs for Sustainability

Evaluate the seasonal range of depth-to-groundwater for each potential GDE area using data collected from Zone 7's semi-annual groundwater elevation program following Subtask 5.2. Compare the seasonal range of depth-to-groundwater with each GDE's general groundwater requirements (e.g., rooting depth) to refine the identification of GDEs and to provide a preliminary evaluation for defining minimum thresholds.

Deliverables:

- Preliminary Evaluation for Defining Minimum Thresholds Technical Memorandum

Subtask 9.3: Review/Develop Measurable Objectives and Minimum Thresholds

Review and develop preliminary measurable objectives and minimum thresholds for interconnected surface water supporting significant GDEs based on the information collected during Subtask 5.2. Define the depletion of interconnected surface water as a rate or volume of surface water depletion that may result in adverse impacts and undesirable results. Conduct additional analysis as needed.

Deliverables:

- Updated Surface Water-Groundwater Interaction/GDEs Section in Alternative GSP Update

Subtask 9.4: Evaluate the Need for New Monitoring Locations and Protocol

Evaluate the need for additional monitoring locations and protocols, if appropriate, to adequately monitor groundwater elevations in the vicinity of the GDEs relative to development of minimum thresholds.

Deliverables:

- GDE monitoring point locations map
- Monitoring Protocol in the Alternative GSP Update

Task 10: Prepare Alternative GSP Update

Provide the first update in a series of five-year reports. Incorporate information from Annual Reports, discussion of the grant funded efforts, findings, and recommendations. Ensure that the Update that presents what is new, what has changed, how Alternative GSP implementation is meeting the sustainability goal, and how to maintain and improve management.

Task 10.1: Prepare Outline

Outline the Update Report to guide preparation, ensure compliance with GSP Regulations, and provide necessary information in a succinct format. Review GSP Regulations (§ 356.4), management actions and projects described in the Alternative GSP, and monitoring and implementation described in subsequent Annual Reports (including recent management actions, GSP amendments, and coordination among local agencies. Present the outline to the Board of Directors to guide the development of the Update.

Deliverables:

- Alternative GSP Update Outline

Task 10.2: Prepare Draft Five-Year Update

Prepare a draft Update Report. Incorporate new materials from Tasks 1 through 5 of the Grant Agreement, including text, updated maps, graphs, and tables. Address new tools and analyses for the Fringe and Upland Basins, enhanced monitoring, evaluation of potential GDEs, and development of quantitative minimum thresholds. Present the Draft Update Report for review and commentary at a public Water Resources Committee of the Board of Directors meeting. Address comments and post the Draft Update on the Zone 7 website.

Deliverables:

- Draft Alternative GSP Update

Task 10.3: Prepare Final Five-Year Update

Present the Draft Five-Year Update to the Board of Directors and incorporated comments into the Final Five-Year Update. Upload the Final Update to the Grantee webpage and submit the Final Update to DWR through its Alternative GSP web portal for additional public review and DWR evaluation.

Deliverables:

- Final Alternative GSP Update
- Proof of Submittal to DWR

Exhibit B
BUDGETProject Title: **Five-Year Update: 2022 Alternative GSP for Livermore Valley Groundwater Basin**Grantee: **Zone 7 Water Agency**Project serves a need of a Disadvantaged Area?: **No**Local Cost Share Required: **25%**

Budget Categories	Grant Amount	Local Cost Share	Total Cost	% Local Cost Share
(a) Grant Agreement Administration	\$39,800	\$13,200	\$53,000	
(b) Stakeholder Engagement / Outreach	\$23,300	\$7,700	\$31,000	
(c) Alternative Plan Update	\$436,900	\$146,100	\$583,000	
TOTAL:	\$500,000	\$167,000	\$667,000	25%

Exhibit C
SCHEDULE

Project Title: **Five-Year Update: 2022 Alternative GSP for Livermore Valley Groundwater Basin**

Categories	Start Date ¹	End Date ¹
(a) Grant Agreement Administration	04/01/2020	04/30/2022
(b) Stakeholder Engagement / Outreach	04/01/2020	11/30/2021
(c) Alternative Plan Update	04/01/2020	12/31/2021

NOTES:

¹Exhibit C Schedule only dictates the work start date and the work end date for the Budget Category listed. The Grantee should adhere to the Deliverable Due Date Schedule that has been approved by the DWR Grant Manager. The dates listed in Exhibit C Schedule are date ranges that correlates to the Deliverable Due Date Schedule. Eligible costs for each line item will only be approved if the work completed falls within the date ranges listed in Exhibit C.

Exhibit D**STANDARD CONDITIONS****D.1. ACCOUNTING AND DEPOSIT OF FUNDING DISBURSEMENT:**

- A. **Separate Accounting of Funding Disbursements:** The Grantee shall account for the money disbursed pursuant to this Grant Agreement separately from all other Grantee funds. The Grantee shall maintain audit and accounting procedures that are in accordance with generally accepted accounting principles and practices, consistently applied. The Grantee shall keep complete and accurate records of all receipts and disbursements on expenditures of such funds. The Grantee shall require its contractors or subcontractors to maintain books, records, and other documents pertinent to their work in accordance with generally accepted accounting principles and practices. Records are subject to inspection by the State at any and all reasonable times.
- B. **Disposition of Money Disbursed:** All money disbursed pursuant to this Grant Agreement shall be deposited in a non-interest bearing account, administered, and accounted for pursuant to the provisions of applicable law.
- C. **Remittance of Unexpended Funds:** The Grantee shall remit to the State any unexpended funds that were disbursed to the Grantee under this Grant Agreement and were not used to pay Eligible Project Costs within a period of sixty (60) calendar days from the final disbursement from the State to the Grantee of funds or, within thirty (30) calendar days of the expiration of the Grant Agreement, whichever comes first.

D.2. ACKNOWLEDGEMENT OF CREDIT AND SIGNAGE: The Grantee shall include appropriate acknowledgement of credit to the State for its support when promoting the Project or using any data and/or information developed under this Grant Agreement. Signage shall be posted in a prominent location at Project site(s) (if applicable) or at the Grantee's headquarters and shall include the Department of Water Resources color logo and the following disclosure statement: "Funding for this project has been provided in full or in part from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and through an agreement with the State Department of Water Resources." The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this paragraph.**D.3. AMENDMENT:** This Grant Agreement may be amended at any time by mutual agreement of the Parties, except insofar as any proposed amendments are in any way contrary to applicable law. Requests by the Grantee for amendments must be in writing stating the amendment request and the reason for the request. Requests solely for a time extension must be submitted at least 90 days prior to the work completion date set forth in Paragraph 2, "Term of Grant Agreement." Any other request for an amendment must be submitted at least 180 days prior to the work completion date set forth in Paragraph 2, "Term of Grant Agreement." The State shall have no obligation to agree to an amendment.**D.4. AMERICANS WITH DISABILITIES ACT:** By signing this Grant Agreement, the Grantee assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C. § 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.**D.5. AUDITS:** The State reserves the right to conduct an audit at any time between the execution of this Grant Agreement and the completion of the Project, with the costs of such audit borne by the State. After completion of the Project, the State may require the Grantee to conduct a final audit to the State's specifications, at the Grantee's expense, such audit to be conducted by and a report prepared by an independent Certified Public Accountant. Failure or refusal by the Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and the State may elect to pursue any remedies provided in Paragraph 10, "Default Provisions" or take any other action it deems necessary to protect its interests. The Grantee agrees it shall return any audit disallowances to the State.

Pursuant to Government Code section 8546.7, the Grantee shall be subject to the examination and audit by the State for a period of three (3) years after final payment under this Grant Agreement with respect of all matters connected with this Grant Agreement, including but not limited to, the cost of administering this Grant Agreement. All records of the Grantee or its contractor or subcontractors shall be preserved for this purpose for at least three (3) years after receipt of the final disbursement under this Agreement. If an audit reveals any impropriety, the Bureau of State Audits or the State Controller's Office may conduct a full audit of any or all of the Grantee's activities. (Pub. Resources Code, § 80012, subd. (b).)

- D.6. **BUDGET CONTINGENCY:** If the Budget Act of the current year covered under this Grant Agreement does not appropriate sufficient funds for this program, this Grant Agreement shall be of no force and effect. This provision shall be construed as a condition precedent to the obligation of the State to make any payments under this Grant Agreement. In this event, the State shall have no liability to pay any funds whatsoever to the Grantee or to furnish any other considerations under this Grant Agreement and the Grantee shall not be obligated to perform any provisions of this Grant Agreement. Nothing in this Grant Agreement shall be construed to provide the Grantee with a right of priority for payment over any other Grantee. If funding for any fiscal year after the current year covered by this Grant Agreement is reduced or deleted by the Budget Act, by Executive Order, or by order of the Department of Finance, the State shall have the option to either cancel this Grant Agreement with no liability occurring to the State, or offer a Grant Agreement amendment to the Grantee to reflect the reduced amount.
- D.7. **CALIFORNIA CONSERVATION CORPS:** The Grantee may use the services of the California Conservation Corps or other community conservation corps as defined in Public Resources Code section 14507.5.
- D.8. **CEQA:** Activities funded under this Grant Agreement, regardless of funding source, must be in compliance with the California Environmental Quality Act (CEQA). (Pub. Resources Code, § 21000 et seq.) Any work that is subject to CEQA and funded under this Agreement shall not proceed until documents that satisfy the CEQA process are received by the DWR Grant Manager and the State has completed its CEQA compliance. Work funded under this Agreement that is subject to a CEQA document shall not proceed until and unless approved by the Department of Water Resources. Such approval is fully discretionary and shall constitute a condition precedent to any work for which it is required. If CEQA compliance by the Grantee is not complete at the time the State signs this Agreement, once the State has considered the environmental documents, it may decide to require changes, alterations, or other mitigation to the Project; or to not fund the Project. Should the State decide to not fund the Project, this Agreement shall be terminated in accordance with Paragraph 10, "Default Provisions."
- D.9. **CHILD SUPPORT COMPLIANCE ACT:** The Grantee acknowledges in accordance with Public Contract Code section 7110, that:
- A. The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Family Code section 5200 et seq.; and
 - B. The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.
- D.10. **CLAIMS DISPUTE:** Any claim that the Grantee may have regarding performance of this Agreement including, but not limited to, claims for additional compensation or extension of time, shall be submitted to the DWR Project Representative, within thirty (30) days of the Grantee's knowledge of the claim. The State and the Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to this Agreement to implement the terms of any such resolution.

- D.11. **COMPETITIVE BIDDING AND PROCUREMENTS:** The Grantee's contracts with other entities for the acquisition of goods and services and construction of public works with funds provided by the State under this Grant Agreement must be in writing and shall comply with all applicable laws and regulations regarding the securing of competitive bids and undertaking competitive negotiations. If the Grantee does not have a written policy to award contracts through a competitive bidding or sole source process, the Department of General Services' *State Contracting Manual* rules must be followed and are available at: <https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/State-Contracting>.
- D.12. **COMPUTER SOFTWARE:** The Grantee certifies that it has appropriate systems and controls in place to ensure that state funds will not be used in the performance of this Grant Agreement for the acquisition, operation, or maintenance of computer software in violation of copyright laws.
- D.13. **CONFLICT OF INTEREST:** All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code section 1090 and Public Contract Code sections 10410 and 10411, for State conflict of interest requirements.
- A. **Current State Employees:** No State officer or employee shall engage in any employment, activity, or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any State agency, unless the employment, activity, or enterprise is required as a condition of regular State employment. No State officer or employee shall contract on his or her own behalf as an independent contractor with any State agency to provide goods or services.
 - B. **Former State Employees:** For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements, or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.
 - C. **Employees of the Grantee:** Employees of the Grantee shall comply with all applicable provisions of law pertaining to conflicts of interest, including but not limited to any applicable conflict of interest provisions of the California Political Reform Act. (Gov. Code, § 87100 et seq.)
 - D. **Employees and Consultants to the Grantee:** Individuals working on behalf of a Grantee may be required by the Department to file a Statement of Economic Interests (Fair Political Practices Commission Form 700) if it is determined that an individual is a consultant for Political Reform Act purposes.
- D.14. **DELIVERY OF INFORMATION, REPORTS, AND DATA:** The Grantee agrees to expeditiously provide throughout the term of this Grant Agreement, such reports, data, information, and certifications as may be reasonably required by the State.
- D.15. **DISPOSITION OF EQUIPMENT:** The Grantee shall provide to the State, not less than 30 calendar days prior to submission of the final invoice, an itemized inventory of equipment purchased with funds provided by the State. The inventory shall include all items with a current estimated fair market value of more than \$5,000.00 per item. Within 60 calendar days of receipt of such inventory the State shall provide the Grantee with a list of the items on the inventory that the State will take title to. All other items shall become the property of the Grantee. The State shall arrange for delivery from the Grantee of items that it takes title to. Cost of transportation, if any, shall be borne by the State.
- D.16. **DRUG-FREE WORKPLACE CERTIFICATION:** Certification of Compliance: By signing this Grant Agreement, the Grantee, its contractors or subcontractors hereby certify, under penalty of perjury under

the laws of the State of California, compliance with the requirements of the Drug-Free Workplace Act of 1990 (Gov. Code, § 8350 et seq.) and have or will provide a drug-free workplace by taking the following actions:

- A. Publish a statement notifying employees, contractors, and subcontractors that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees, contractors, or subcontractors for violations, as required by Government Code section 8355.
 - B. Establish a Drug-Free Awareness Program, as required by Government Code section 8355 to inform employees, contractors, or subcontractors about all of the following:
 - i. The dangers of drug abuse in the workplace,
 - ii. The Grantee's policy of maintaining a drug-free workplace,
 - iii. Any available counseling, rehabilitation, and employee assistance programs, and
 - iv. Penalties that may be imposed upon employees, contractors, and subcontractors for drug abuse violations.
 - C. Provide, as required by Government Code section 8355, that every employee, contractor, and/or subcontractor who works under this Grant Agreement:
 - i. Will receive a copy of the Grantee's drug-free policy statement, and
 - ii. Will agree to abide by terms of the Grantee's condition of employment, contract or subcontract.
- D.17. **EASEMENTS:** Where the Grantee acquires property in fee title or funds improvements to real property already owned in fee by the Grantee using State funds provided through this Grant Agreement, an appropriate easement or other title restriction shall be provided and approved by the State. The easement or other title restriction must be in first position ahead of any recorded mortgage or lien on the property unless this requirement is waived by the State.
- Where the Grantee acquires an easement under this Agreement, the Grantee agrees to monitor and enforce the terms of the easement, unless the easement is subsequently transferred to another land management or conservation organization or entity with State permission, at which time monitoring and enforcement responsibilities will transfer to the new easement owner.
- Failure to provide an easement acceptable to the State may result in termination of this Agreement.
- D.18. **GRANTEE'S RESPONSIBILITIES:** The Grantee and its representatives shall:
- A. Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A, "Work Plan" and in accordance with Project Exhibit B, "Budget" and Exhibit C, "Schedule".
 - B. Must maintain eligibility requirements as outlined in the 2019 Guidelines and 2019 PSP.
 - C. Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by the Grantee in the application, documents, amendments, and communications filed in support of its request for funding.
 - D. Comply with all applicable California, federal, and local laws and regulations.
 - E. Implement the Project in accordance with applicable provisions of the law.
 - F. Fulfill its obligations under the Grant Agreement and be responsible for the performance of the Project.
 - G. Obtain any and all permits, licenses, and approvals required for performing any work under this Grant Agreement, including those necessary to perform design, construction, or operation and maintenance of the Project. The Grantee shall provide copies of permits and approvals to the State.

- H. Be solely responsible for design, construction, and operation and maintenance of projects within the work plan. Review or approval of plans, specifications, bid documents, or other construction documents by the State is solely for the purpose of proper administration of funds by the State and shall not be deemed to relieve or restrict responsibilities of the Grantee under this Agreement.
- I. Be solely responsible for all work and for persons or entities engaged in work performed pursuant to this Agreement, including, but not limited to, contractors, subcontractors, suppliers, and providers of services. The Grantee shall be responsible for any and all disputes arising out of its contracts for work on the Project, including but not limited to payment disputes with contractors and subcontractors. The State will not mediate disputes between the Grantee and any other entity concerning responsibility for performance of work.
- D.19. **GOVERNING LAW:** This Grant Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.
- D.20. **INCOME RESTRICTIONS:** The Grantee agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Grantee under this Agreement shall be paid by the Grantee to the State, to the extent that they are properly allocable to costs for which the Grantee has been reimbursed by the State under this Agreement. The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this paragraph.
- D.21. **INDEMNIFICATION:** The Grantee shall indemnify and hold and save the State, its officers, agents, and employees, free and harmless from any and all liabilities for any claims and damages (including inverse condemnation) that may arise out of the Project and this Agreement, and any breach of this Agreement. The Grantee shall require its contractors or subcontractors to name the State, its officers, agents and employees as additional insureds on their liability insurance for activities undertaken pursuant to this Agreement.
- D.22. **INDEPENDENT CAPACITY:** The Grantee, and the agents and employees of the Grantees, in the performance of the Grant Agreement, shall act in an independent capacity and not as officers, employees, or agents of the State.
- D.23. **INSPECTION OF BOOKS, RECORDS, AND REPORTS:** During regular office hours, each of the parties hereto and their duly authorized representatives shall have the right to inspect and to make copies of any books, records, or reports of either party pertaining to this Grant Agreement or matters related hereto. Each of the parties hereto shall maintain and shall make available at all times for such inspection accurate records of all its costs, disbursements, and receipts with respect to its activities under this Grant Agreement. Failure or refusal by the Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and the State may withhold disbursements to the Grantee or take any other action it deems necessary to protect its interests.
- D.24. **INSPECTIONS OF PROJECT BY STATE:** The State shall have the right to inspect the work being performed at any and all reasonable times during the term of the Grant Agreement. This right shall extend to any subcontracts, and the Grantee shall include provisions ensuring such access in all its contracts or subcontracts entered into pursuant to its Grant Agreement with the State.
- D.25. **LABOR CODE COMPLIANCE:** The Grantee agrees to be bound by all the provisions of the Labor Code regarding prevailing wages and shall monitor all contracts subject to reimbursement from this Agreement to assure that the prevailing wage provisions of the Labor Code are being met. Current Department of Industrial Relations (DIR) requirements may be found at: <http://www.dir.ca.gov/lcp.asp>. For more information, please refer to DIR's *Public Works Manual* at: <http://www.dir.ca.gov/dlse/PWManualCombined.pdf>. The Grantee affirms that it is aware of the provisions of section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance, and the Grantee affirms that it will comply with such provisions before commencing the performance of the work under this Agreement and will make its contractors and subcontractors aware of this provision.

- D.26. **MODIFICATION OF OVERALL WORK PLAN:** At the request of the Grantee, the State may at its sole discretion approve non-material changes to the portions of Exhibits A, B, and C which concern the budget and schedule without formally amending this Grant Agreement. Non-material changes with respect to the budget are changes that only result in reallocation of less than 20 percent (20%) of any line item within the budget and will not result in an increase in the amount of the State Grant Agreement. Non-material changes with respect to the Project schedule are changes that will not extend the term of this Grant Agreement. Requests for non-material changes to the budget and schedule must be submitted by the Grantee to the State in writing and are not effective unless and until specifically approved by the State's Program Manager in writing.
- D.27. **NONDISCRIMINATION:** During the performance of this Grant Agreement, the Grantee and its contractors or subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex (gender), sexual orientation, race, color, ancestry, religion, creed, national origin (including language use restriction), pregnancy, physical disability (including HIV and AIDS), mental disability, medical condition (cancer/genetic characteristics), age (over 40), marital status, and denial of medial and family care leave or pregnancy disability leave. The Grantee and its contractors or subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. The Grantee and its contractors or subcontractors shall comply with the provisions of the California Fair Employment and Housing Act (Gov. Code, § 12990.) and the applicable regulations promulgated there under (Cal. Code Regs., tit. 2, § 11000 et seq.). The applicable regulations of the Fair Employment and Housing are incorporated into this Agreement by reference. The Grantee and its contractors or subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.
- The Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Grant Agreement.
- D.28. **OPINIONS AND DETERMINATIONS:** Where the terms of this Grant Agreement provide for action to be based upon, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.
- D.29. **PERFORMANCE BOND:** Where contractors are used, the Grantee shall not authorize construction to begin until each contractor has furnished a performance bond in favor of the Grantee in the following amounts: faithful performance (100%) of contract value, and labor and materials (100%) of contract value. This requirement shall not apply to any contract for less than \$25,000.00. Any bond issued pursuant to this paragraph must be issued by a California-admitted surety. (Pub. Contract Code, § 7103; Code Civ. Proc., § 995.311.)
- D.30. **PRIORITY HIRING CONSIDERATIONS:** If this Grant Agreement includes services in excess of \$200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the Grant Agreement to qualified recipients of aid under Welfare and Institutions Code section 11200 in accordance with Public Contract Code section 10353.
- D.31. **PROHIBITION AGAINST DISPOSAL OF PROJECT WITHOUT STATE PERMISSION:** The Grantee shall not sell, abandon, lease, transfer, exchange, mortgage, hypothecate, or encumber in any manner whatsoever all or any portion of any real or other property necessarily connected or used in conjunction with the Project, or with the Grantee's service of water, without prior permission of the State. The Grantee shall not take any action, including but not limited to actions relating to user fees, charges, and assessments that could adversely affect the ability of the Grantee meet its obligations under this Grant Agreement, without prior written permission of the State. The State may require that the proceeds from the disposition of any real or personal property be remitted to the State.

- D.32. **PROJECT ACCESS:** The Grantee shall ensure that the State, the Governor of the State, or any authorized representative of the foregoing, will have safe and suitable access to the Project site at all reasonable times during Project construction and thereafter for the term of this Agreement.
- D.33. **REMAINING BALANCE:** In the event the Grantee does not submit invoices requesting all of the funds encumbered under this Grant Agreement, any remaining funds revert to the State. The State will notify the Grantee stating that the Project file is closed and any remaining balance will be disencumbered and unavailable for further use under this Grant Agreement.
- D.34. **REMEDIES NOT EXCLUSIVE:** The use by either party of any remedy specified herein for the enforcement of this Grant Agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of, any other remedy provided by law.
- D.35. **RETENTION:** The State shall withhold ten percent (10%) of the funds requested by the Grantee for reimbursement of Eligible Project Costs until the Project is completed and Final Project Report is approved. At the State's discretion and upon a written request by the Grantee, any retained amount attributable to a single Component may be released when that Component is complete and the Final Component Completion Report is approved. Any retained amounts due to the Grantee will be promptly disbursed to the Grantee, without interest, upon completion of the Project or an approved Component upon request.
- D.36. **RIGHTS IN DATA:** The Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Grant Agreement shall be made available to the State and shall be in the public domain to the extent to which release of such materials is required under the California Public Records Act. (Gov. Code, § 6250 et seq.) The Grantee may disclose, disseminate and use in whole or in part, any final form data and information received, collected and developed under this Grant Agreement, subject to appropriate acknowledgement of credit to the State for financial support. The Grantee shall not utilize the materials for any profit-making venture or sell or grant rights to a third party who intends to do so. The State shall have the right to use any data described in this paragraph for any public purpose.
- D.37. **SEVERABILITY:** Should any portion of this Grant Agreement be determined to be void or unenforceable, such shall be severed from the whole and the Grant Agreement shall continue as modified.
- D.38. **SUSPENSION OF PAYMENTS:** This Grant Agreement may be subject to suspension of payments or termination, or both if the State determines that:
- A. The Grantee, its contractors, or subcontractors have made a false certification, or
 - B. The Grantee, its contractors, or subcontractors violates the certification by failing to carry out the requirements noted in this Grant Agreement.
- D.39. **SUCCESSORS AND ASSIGNS:** This Grant Agreement and all of its provisions shall apply to and bind the successors and assigns of the parties. No assignment or transfer of this Grant Agreement or any part thereof, rights hereunder, or interest herein by the Grantee shall be valid unless and until it is approved by the State and made subject to such reasonable terms and conditions as the State may impose.
- D.40. **TERMINATION BY THE GRANTEE:** Subject to State approval which may be reasonably withheld, the Grantee may terminate this Agreement and be relieved of contractual obligations. In doing so, the Grantee must provide a reason(s) for termination. The Grantee must submit all progress reports summarizing accomplishments up until termination date.
- D.41. **TERMINATION FOR CAUSE:** Subject to the right to cure under Paragraph 10, "Default Provisions," the State may terminate this Grant Agreement and be relieved of any payments should the Grantee fail to perform the requirements of this Grant Agreement at the time and in the manner herein, provided including but not limited to reasons of default under Paragraph 10, "Default Provisions."

- D.42. TERMINATION WITHOUT CAUSE: The State may terminate this Agreement without cause on 30 days' advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.
- D.43. THIRD PARTY BENEFICIARIES: The parties to this Agreement do not intend to create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or any duty, covenant, obligation or understanding established herein.
- D.44. TIMELINESS: Time is of the essence in this Grant Agreement.
- D.45. UNION ORGANIZING: The Grantee, by signing this Grant Agreement, hereby acknowledges the applicability of Government Code sections 16645 through 16649 to this Grant Agreement. Furthermore, the Grantee, by signing this Grant Agreement, hereby certifies that:
- A. No State funds disbursed by this Grant Agreement will be used to assist, promote, or deter union organizing.
 - B. The Grantee shall account for State funds disbursed for a specific expenditure by this Grant Agreement to show those funds were allocated to that expenditure.
 - C. The Grantee shall, where State funds are not designated as described in (b) above, allocate, on a pro rata basis, all disbursements that support the program.
 - D. If the Grantee makes expenditures to assist, promote, or deter union organizing, the Grantee will maintain records sufficient to show that no State funds were used for those expenditures and that the Grantee shall provide those records to the Attorney General upon request.
- D.46. VENUE: The State and the Grantee hereby agree that any action arising out of this Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California, or in the United States District Court in and for the Eastern District of California. The Grantee hereby waives any existing sovereign immunity for the purposes of this Agreement.
- D.47. WAIVER OF RIGHTS: None of the provisions of this Grant Agreement shall be deemed waived unless expressly waived in writing. It is the intention of the parties here to that from time to time either party may waive any of its rights under this Grant Agreement unless contrary to law. Any waiver by either party of rights arising in connection with the Grant Agreement shall not be deemed to be a waiver with respect to any other rights or matters, and such provisions shall continue in full force and effect.

Exhibit E
AUTHORIZING RESOLUTION ACCEPTING FUNDS

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS

RESOLUTION NO. 19-93

INTRODUCED BY DIRECTOR PALMER
SECONDED BY DIRECTOR RAMIREZ HOLMES

Authorizations for Sustainable Groundwater Management Grant – Round 3 Grant

WHEREAS, Zone 7 Water Agency is the exclusive Groundwater Sustainability Agency (GSA) for the Livermore Valley Groundwater Basin (DWR Basin 2-010) in accordance with Water Code Water Code §10723 et seq.; and

WHEREAS, the Board of Directors of Zone 7 of Alameda County Flood Control and Water Conservation District adopted an Alternative Groundwater Sustainability Plan (GSP) in accordance with Water Code Section §10733.6 on December 21, 2016 (Resolution No. 16-190); and

WHEREAS, on July 17, 2019, the Department of Water Resources (DWR) approved Zone 7's Alternative GSP, and

WHEREAS, California Water Code § 10723, requires Alternative GSPs to be updated every five years, with the next one due by January 1, 2022, and

WHEREAS, the Department of Water Resources (DWR) recently opened Round 3 of the Sustainable Groundwater Management (SGM) Planning Grant Program funded by Proposition 68 and Proposition 1; and

WHEREAS, the SGM Grant's Proposal Solicitation Package cites Updates to Alternative Plans for approved Alternatives to GSPs as an example of eligible projects; and

WHEREAS, Zone 7 will apply for the maximum amount of funding of \$500,000

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District hereby authorizes and directs that application be made to the California Department of Water Resources to obtain a grant under the 2019 Sustainable Groundwater Management (SGM) Grant Program Planning – Round 3 Grant pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) (Wat. Code, § 79700 et seq.) and/or the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) (Pub. Resources Code, § 80000 et seq.), and the District to enter into an agreement to receive a grant for the: 2022 Five-Year Update of Alternative GSP, Livermore Valley Groundwater Basin project; and

BE IT FURTHER RESOLVED that The General Manager of the of Zone 7 of the Alameda County Flood Control and Water Conservation District, or designee is hereby authorized and directed to prepare the necessary data, conduct investigations, file such application, and execute a grant agreement with California Department of Water Resources.

ADOPTED BY THE FOLLOWING VOTE:

AYES: DIRECTORS FIGUERS, GAMBS, PALMER, QUIGLEY, RAMIREZ HOLMES,
SANWONG, SMITH MCDONALD

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on November 20, 2019.

By: J. Figueroa
President, Board of Directors

Exhibit F

REPORT FORMATS AND REQUIREMENTS

The following reporting formats should be utilized. Please obtain State approval prior to submitting a report in an alternative format.

1. QUARTERLY PROGRESS REPORTS

- A Progress Report template will be provided by the assigned Grant Manager. Grantees must use the template provided for all Quarterly Progress Reports to obtain reimbursement and credit for local cost share reported. The Progress Report must accompany an Invoice and be numbered the same for ease of reference for auditing purposes.

2. COMPONENT COMPLETION REPORT

Component Completion Reports shall generally use the following format.

EXECUTIVE SUMMARY – Should include a brief summary of project information and include the following items:

- Brief description of work proposed to be done in the original application
- Description of actual work completed and any deviations from the work plan identified in the Grant Agreement

REPORTS AND/OR PRODUCTS – The following items should be provided

- Final Evaluation report
- Electronic copies of any data collected, not previously submitted
- As-built drawings
- Final geodetic survey information
- Self-Certification that the Project meets the stated goal of the Grant Agreement (e.g. 100-year level of flood protection, HMP standard, PI-84-99, etc.)
- Project photos
- Discussion of problems that occurred during the work and how those problems were resolved
- A final project schedule showing actual progress versus planned progress

COSTS AND DISPOSITION OF FUNDS – A list of showing:

- The date each invoice was submitted to the State
- The amount of the invoice
- The date the check was received
- The amount of the check (If a check has not been received for the final invoice, then state this in this section.)
- A summary of the payments made by the Grantee for meeting its cost sharing obligations under this Grant Agreement.
- A summary of final funds disbursement including:
 - Labor cost of personnel of agency/ major consultant /sub-consultants. Indicate personnel, hours, rates, type of profession and reason for consultant, i.e., design, CEQA work, etc.
 - Evaluation cost information, shown by material, equipment, labor costs, and any change orders
 - Any other incurred cost detail
 - A statement verifying separate accounting of funding disbursements
- Summary of project cost including the following items:
 - Accounting of the cost of project expenditure;

- Include all internal and external costs not previously disclosed; and
- A discussion of factors that positively or negatively affected the project cost and any deviation from the original project cost estimate.

ADDITIONAL INFORMATION – Any relevant additional Information should be included.

Exhibit G

REQUIREMENTS FOR DATA SUBMITTAL

Surface and Groundwater Quality Data:

Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to the State as described below, with a narrative description of data submittal activities included in project reports, as described in Exhibit G, "Requirements for Data Submittal."

Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). The CEDEN data templates are available on the CEDEN website. Inclusion of additional data elements described on the data templates is desirable. Data ready for submission should be uploaded to your CEDEN Regional Data Center via the CEDEN website. CEDEN website: <http://www.ceden.org>.

If a project's Work Plan contains a groundwater ambient monitoring element, groundwater quality monitoring data shall be submitted to the State for inclusion in the State Water Resources Control Board's Groundwater Ambient Monitoring and Assessment (GAMA) Program. Information on the GAMA Program can be obtained at: https://www.waterboards.ca.gov/water_issues/programs/gama/. If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program. A listing of SWRCB staff involved in the GAMA program can be found at: https://www.waterboards.ca.gov/water_issues/programs/gama/contact.shtml.

Groundwater Level Data

For each project that collects groundwater level data, the Grantee will need to submit this data to DWR's Water Data Library (WDL), with a narrative description of data submittal activities included in project reports, as described in Exhibit F, "Report Formats and Requirements." Information regarding the WDL and in what format to submit data in can be found at: <http://www.water.ca.gov/waterdatalibrary/>.

In the near future, DWR's WDL will be replaced by the California Statewide Groundwater Elevation Monitoring program (CASGEM). Once this Program comes online the Grantee will then submit groundwater level data to CASGEM. Information regarding the CASGEM program can be found at: <http://www.water.ca.gov/groundwater/casgem/>.

Exhibit H

STATE AUDIT DOCUMENT REQUIREMENTS AND LOCAL COST SHARE GUIDELINES FOR GRANTEES

The following provides a list of documents typically required by State Auditors and general guidelines for Grantees. List of documents pertains to both State funding and the Grantee's Local Cost Share and details the documents/records that State Auditors would need to review in the event of this Grant Agreement is audited. Grantees should ensure that such records are maintained for each funded project.

State Audit Document Requirements

Internal Controls

1. Organization chart (e.g., Agency's overall organization chart and organization chart for the State funded Program/Project).
2. Written internal procedures and flowcharts for the following:
 - a) Receipts and deposits
 - b) Disbursements
 - c) State reimbursement requests
 - d) Expenditure tracking of State funds
 - e) Guidelines, policy, and procedures on State funded Program/Project
3. Audit reports of the Agency internal control structure and/or financial statements within the last two years.
4. Prior audit reports on the State funded Program/Project.

State Funding:

1. Original Grant Agreement, any amendment(s) and budget modification documents.
2. A listing of all bond-funded grants, loans, or subventions received from the State.
3. A listing of all other funding sources for each Program/Project.

Contracts:

1. All subcontractor and consultant contracts and related or partners' documents, if applicable.
2. Contracts between the Agency and member agencies as related to the State funded Program/Project.

Invoices:

1. Invoices from vendors and subcontractors for expenditures submitted to the State for payments under the Grant Agreement.
2. Documentation linking subcontractor invoices to State reimbursement, requests and related Grant Agreement budget line items.
3. Reimbursement requests submitted to the State for the Grant Agreement.

Cash Documents:

1. Receipts (copies of warrants) showing payments received from the State.
2. Deposit slips (or bank statements) showing deposit of the payments received from the State.
3. Cancelled checks or disbursement documents showing payments made to vendors, subcontractors, consultants, and/or agents under the grants or loans.
4. Bank statements showing the deposit of the receipts.

Accounting Records:

1. Ledgers showing entries for funding receipts and cash disbursements.
2. Ledgers showing receipts and cash disbursement entries of other funding sources.
3. Bridging documents that tie the general ledger to requests for Grant Agreement reimbursement.

Administration Costs:

1. Supporting documents showing the calculation of administration costs.

Personnel:

1. List of all contractors and Agency staff that worked on the State funded Program/Project.
2. Payroll records including timesheets for contractor staff and the Agency personnel who provided services charged to the program

Project Files:

1. All supporting documentation maintained in the project files.
2. All Grant Agreement related correspondence.

Funding Match Guidelines

Funding Match (often referred to as local cost share) consists of non-State funds, including in-kind services. In-kind services are defined as work performed (i.e., dollar value of non-cash contributions) by the Grantee (and potentially other parties) directly related to the execution of the funded project. Examples include volunteer services, equipment use, and use of facilities. The cost of in-kind service can be counted as funding match in lieu of actual funds (or revenue) provide by the Grantee. Other funding match and in-kind service eligibility conditions may apply. Provided below is guidance for documenting funding match with and without in-kind services.

1. Although tracked separately, in-kind services shall be documented and, to the extent feasible, supported by the same methods used by the Grantee for its own employees. Such documentation should include the following:
 - a. Detailed description of the contributed item(s) or service(s)
 - b. Purpose for which the contribution was made (tied to project work plan)
 - c. Name of contributing organization and date of contribution
 - d. Real or approximate value of contribution. Who valued the contribution and how was the value determined? (e.g., actual, appraisal, fair market value, etc.). Justification of rate. (See item #2, below)
 - e. Person's name and the function of the contributing person
 - f. Number of hours contributed
 - g. If multiple sources exist, these should be summarized on a table with summed charges
 - h. Source of contribution if it was provided by, obtained with, or supported by government funds
2. Rates for volunteer or in-kind services shall be consistent with those paid for similar work in the Grantee's organization. For example, volunteer service of clearing vegetation performed by an attorney shall be valued at a fair market value for this service, not the rate for professional legal services. In those instances, in which the required skills are not found in the recipient organization, rates shall be consistent with those paid for similar work in the labor market. Paid fringe benefits that are reasonable, allowable and allocable may be included in the valuation.
3. Funding match contribution (including in kind services) shall be for costs and services directly attributed to activities included in the Grant Agreement. These services, furnished by professional and technical personnel, consultants, and other skilled and unskilled labor may be counted as in-kind if the activities are an integral and necessary part of the project funded by the Grant Agreement.
4. Cash contributions made to a project shall be documented as revenue and in-kind services as expenditure. These costs should be tracked separately in the Grantee's accounting system.

Exhibit I PROJECT LOCATION

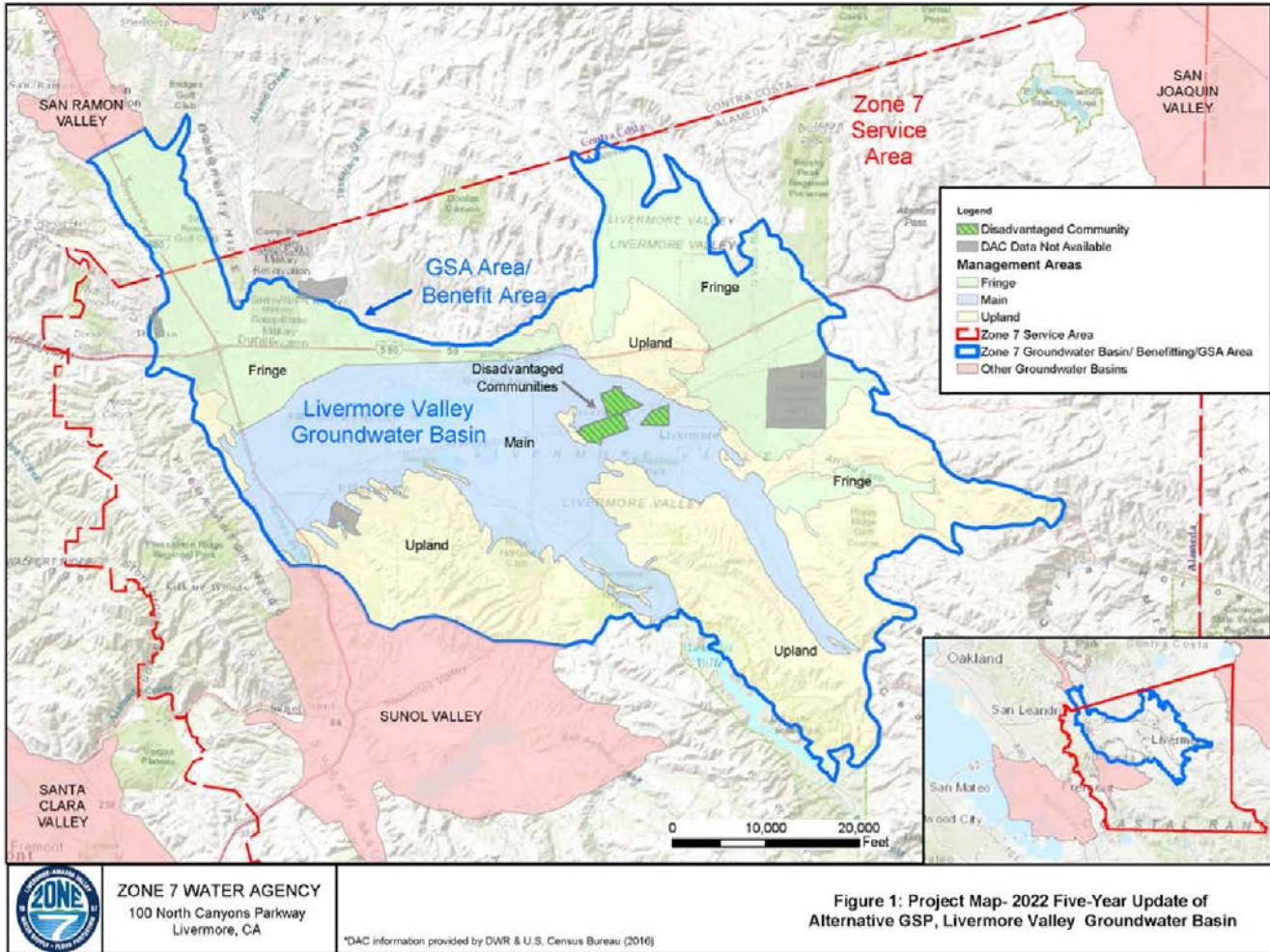


Figure 1: Project Map- 2022 Five-Year Update of Alternative GSP, Livermore Valley Groundwater Basin