

ATTACHMENT 4

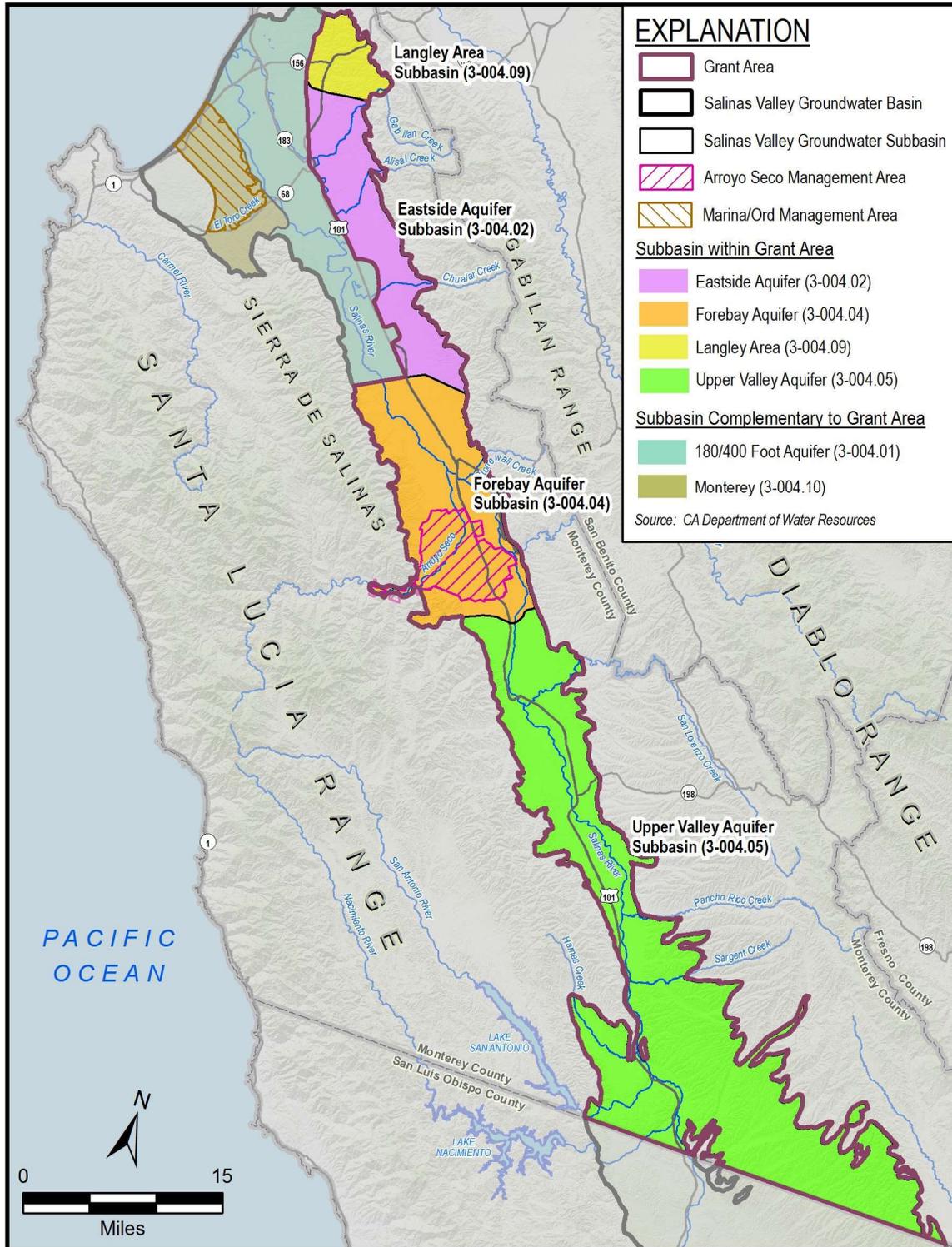
MAPS, SUPPORTING LETTERS, FIGURES, AND BACK-UP DOCUMENTATION

Grant Proposal Title:	Salinas Valley GSP Implementation Grant (Eastside Aquifer, Forebay Aquifer, Langley Area, and Upper Valley Aquifer Subbasins)
Applicant:	Salinas Valley Basin Groundwater Sustainability Agency

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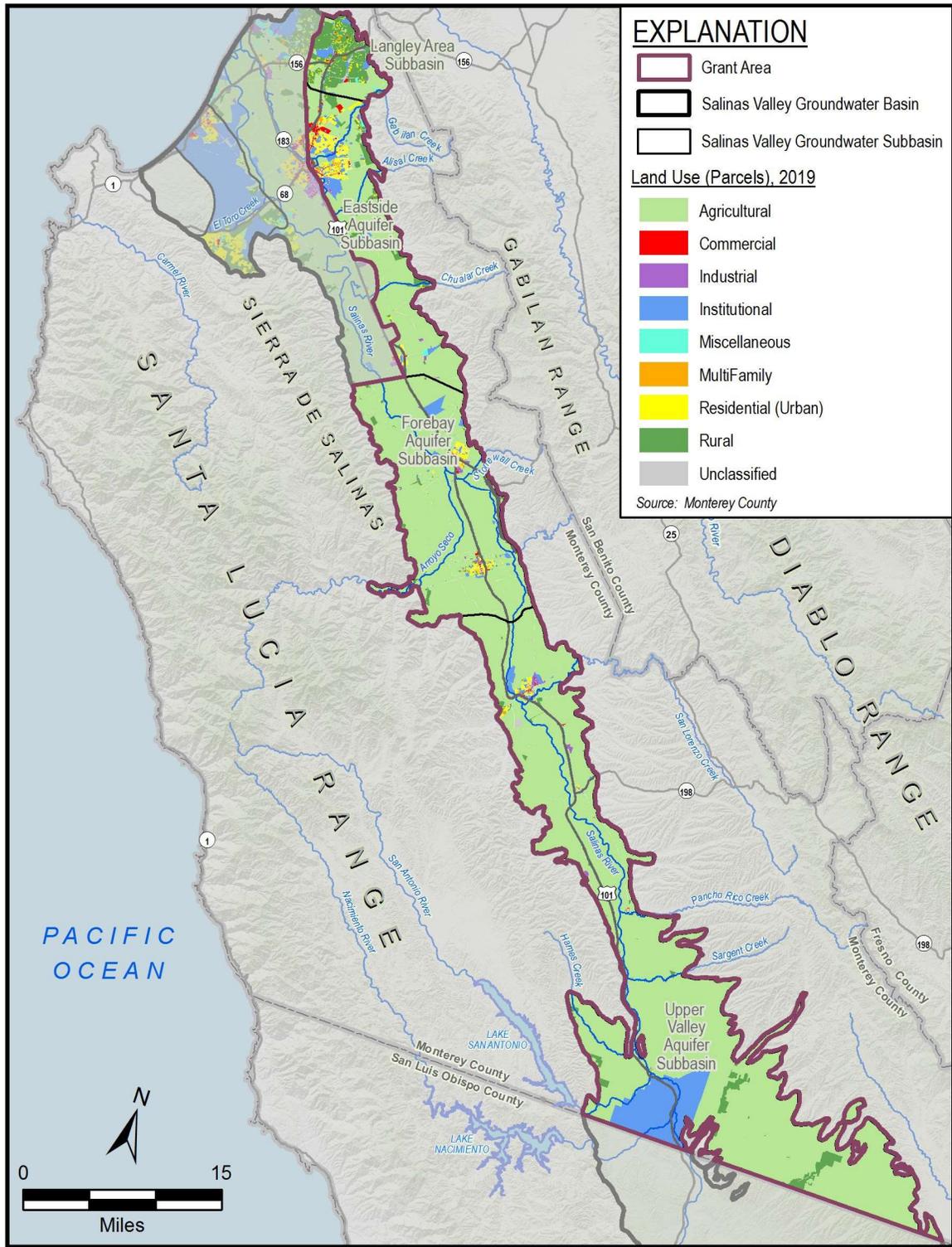
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Figure 1. Grant Area: Langley Area, Eastside Aquifer, Forebay Aquifer, and Upper Valley Aquifer Subbasins



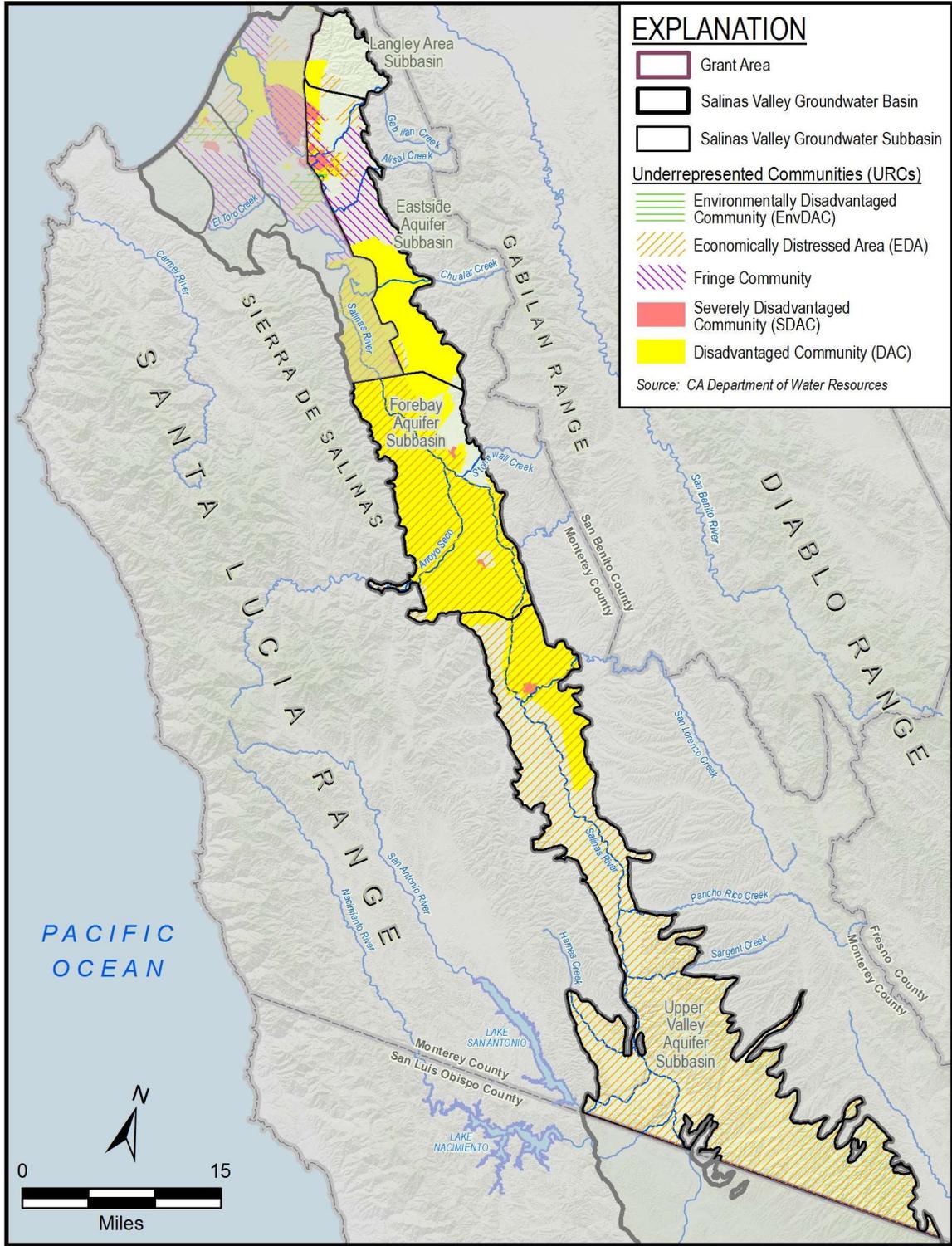
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Figure 2. Land Use



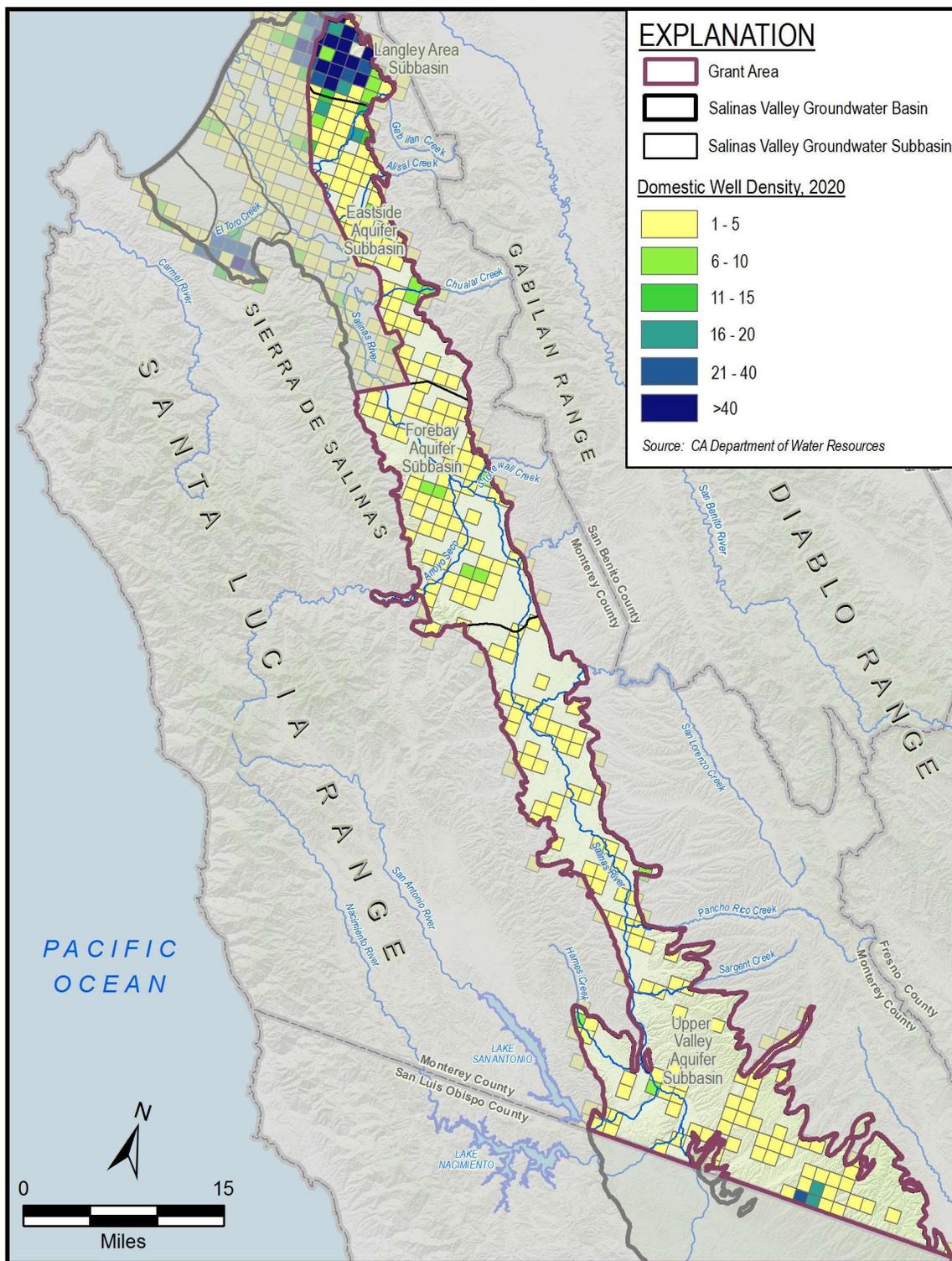
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Figure 4. Underrepresented Communities



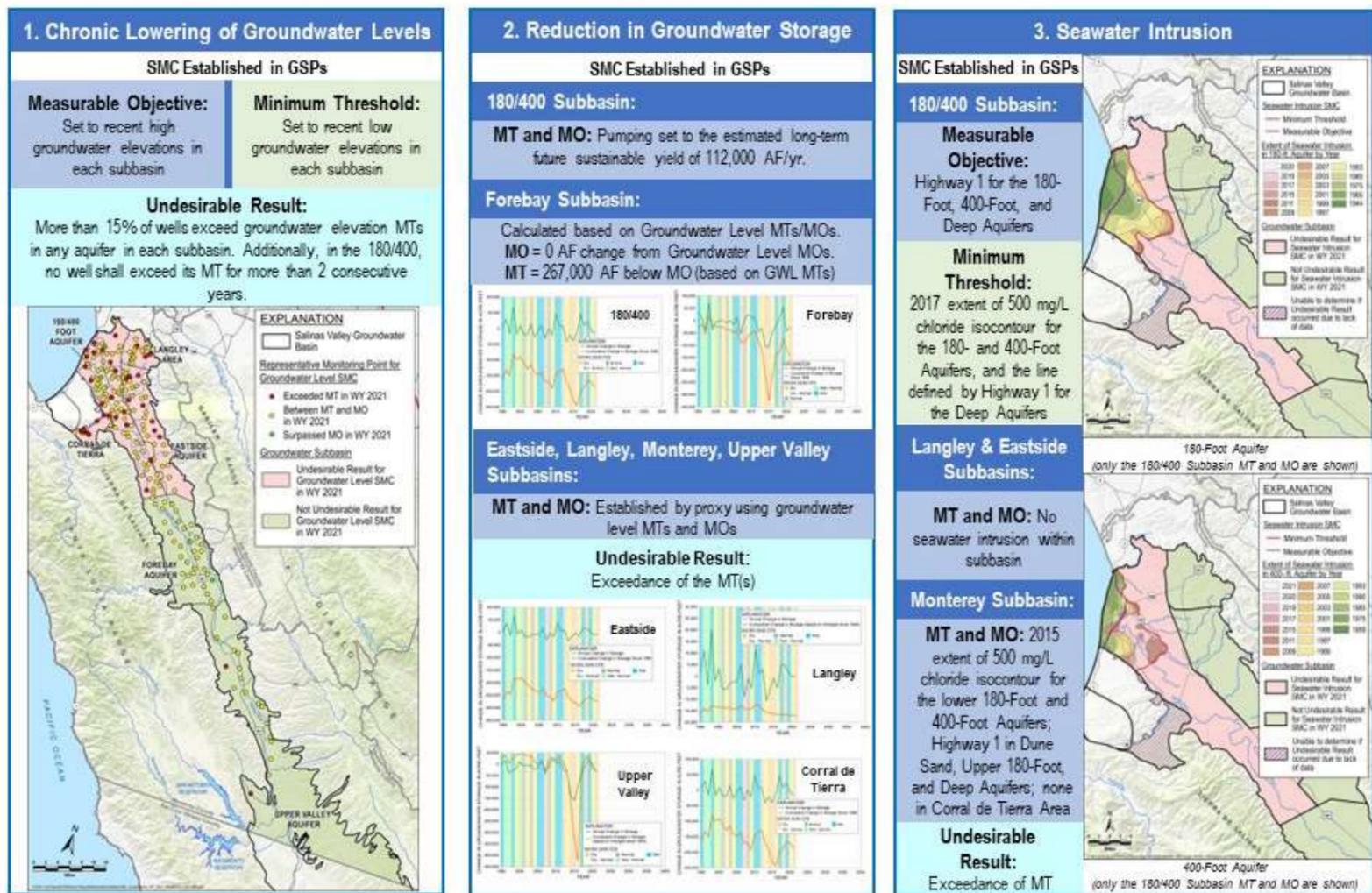
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Figure 5. Domestic Well Density

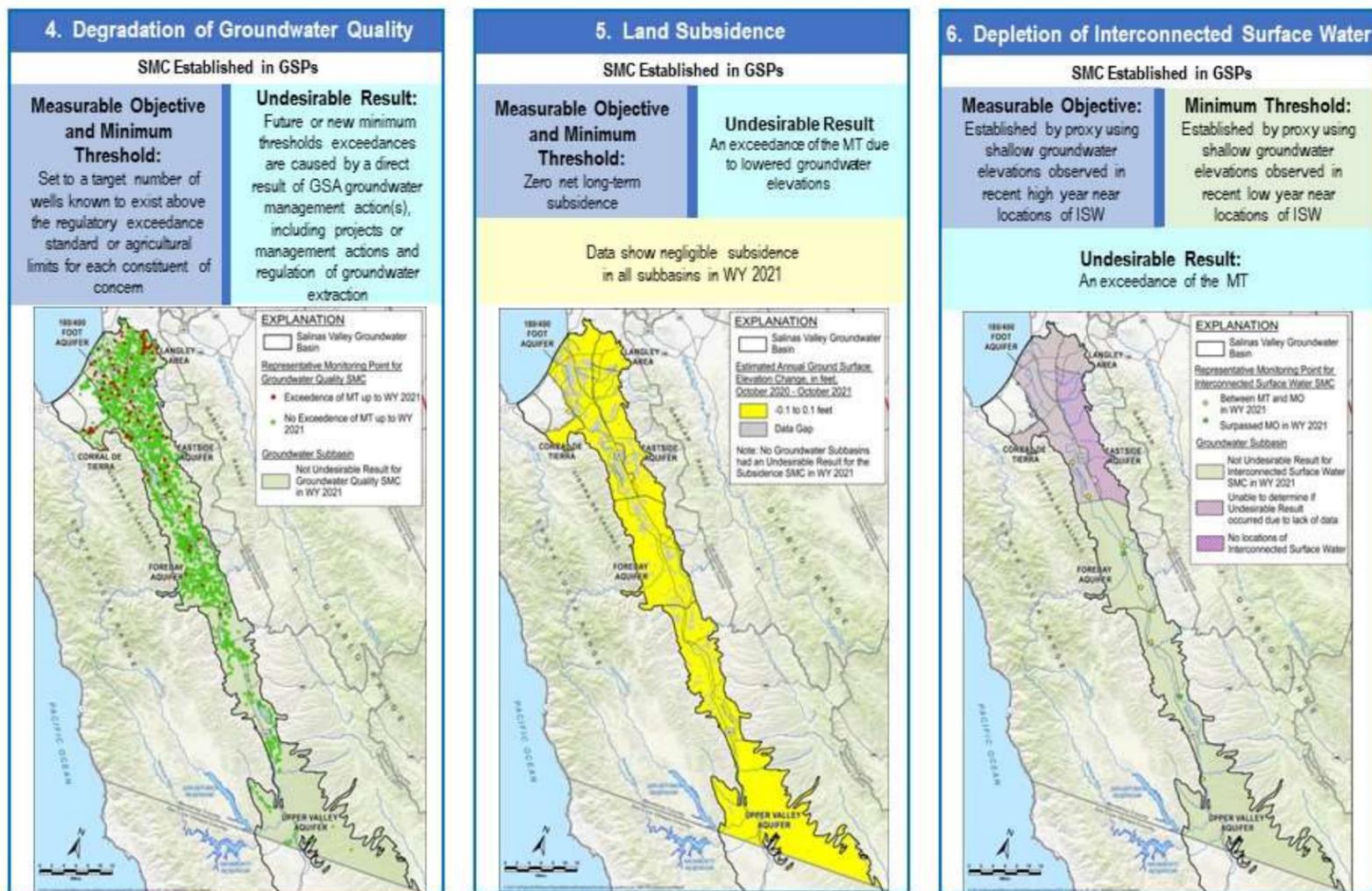


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Figure 6. Sustainable Management Criteria Current Conditions: Salinas Valley Basin Water Year 2021 Annual Reports



Measurable Objective (MO): goal for each sustainability indicator | Minimum Threshold (MT): indicator of unreasonable condition | Undesirable Result: combination of MT exceedances that cause significant and unreasonable conditions



Measurable Objective (MO): goal for each sustainability indicator | Minimum Threshold (MT): indicator of unreasonable condition | Undesirable Result: combination of MT exceedances that cause significant and unreasonable conditions

Figure 8. Component 4 Groundwater Recharge Feasibility

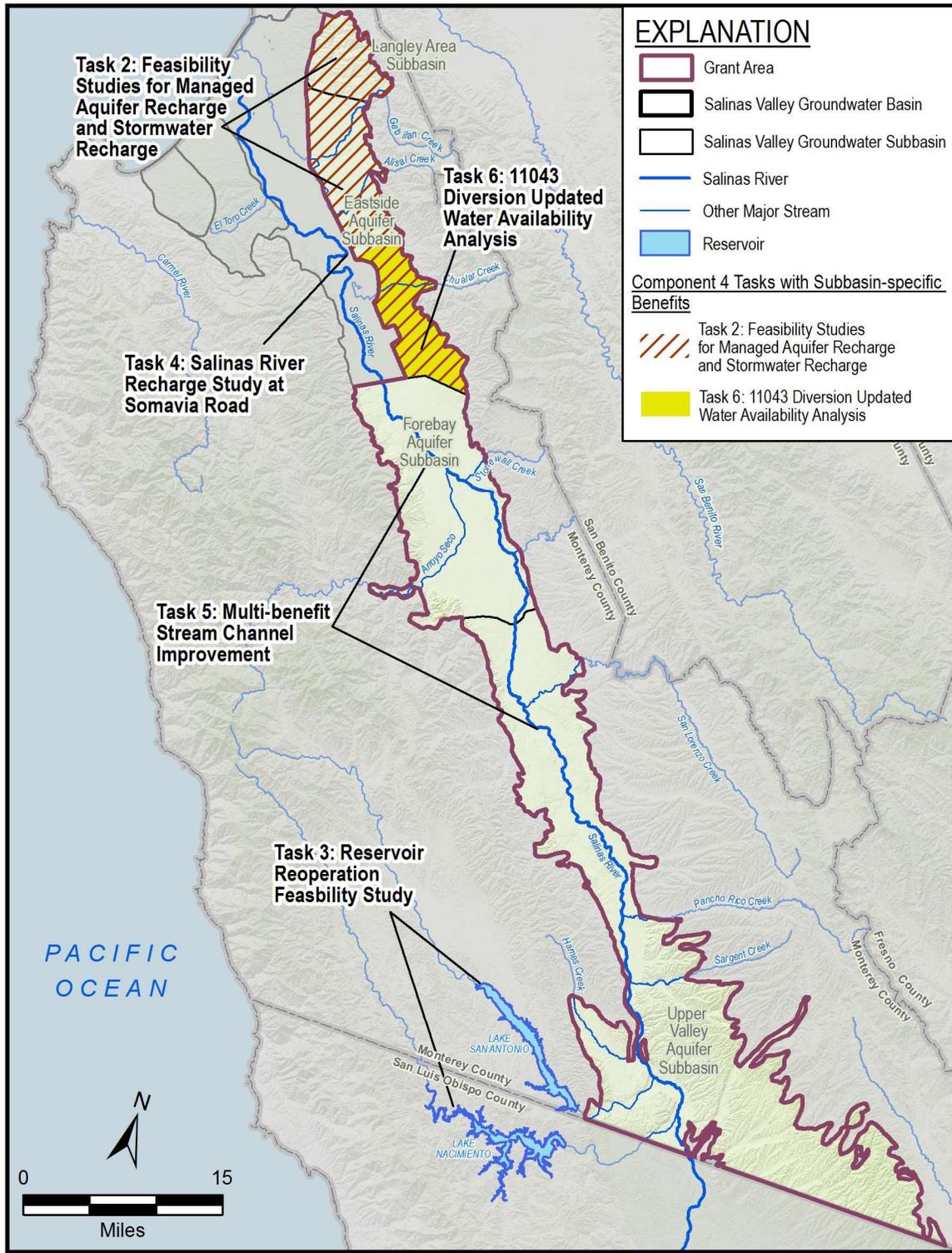
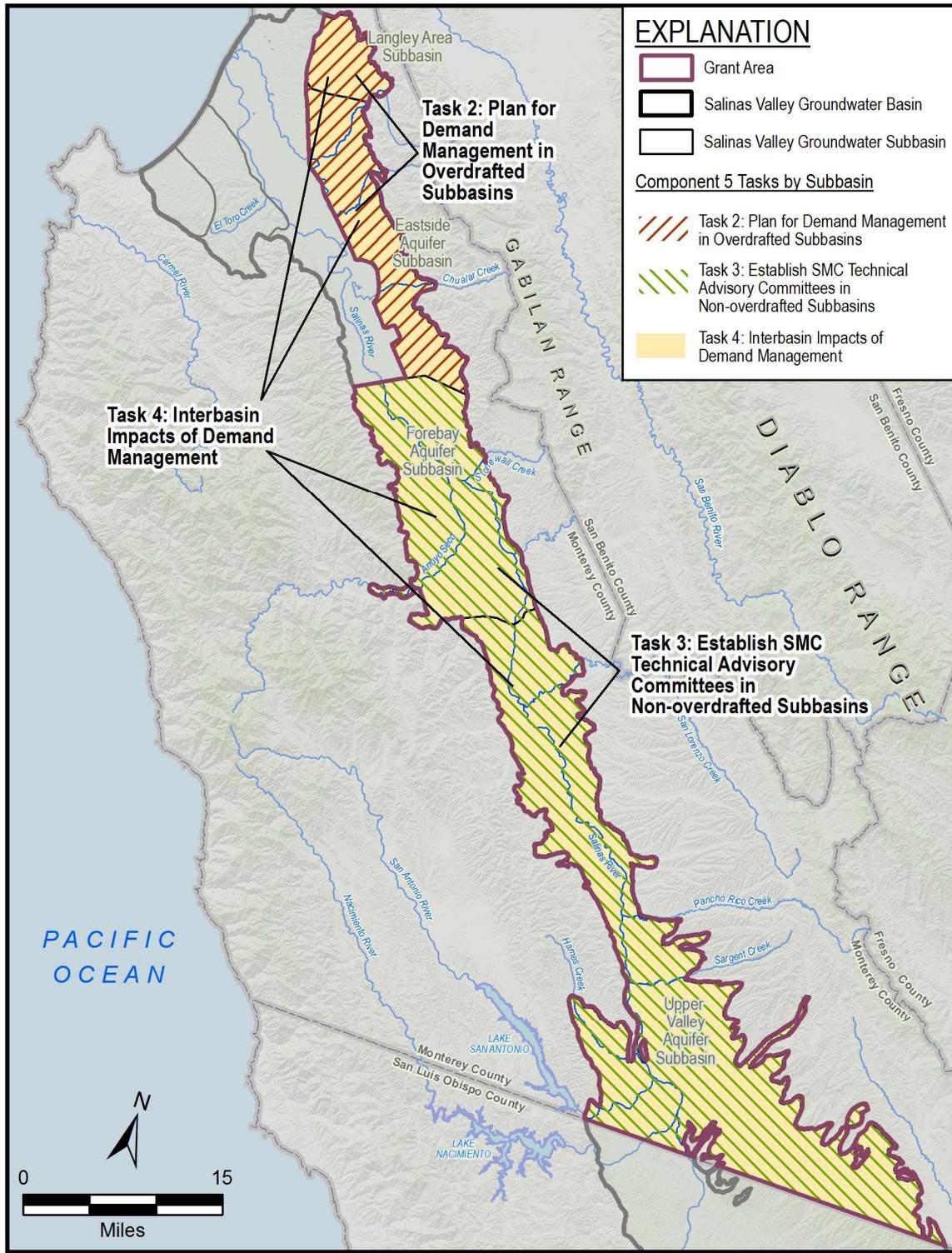


Figure 9. Component 5 Demand Management



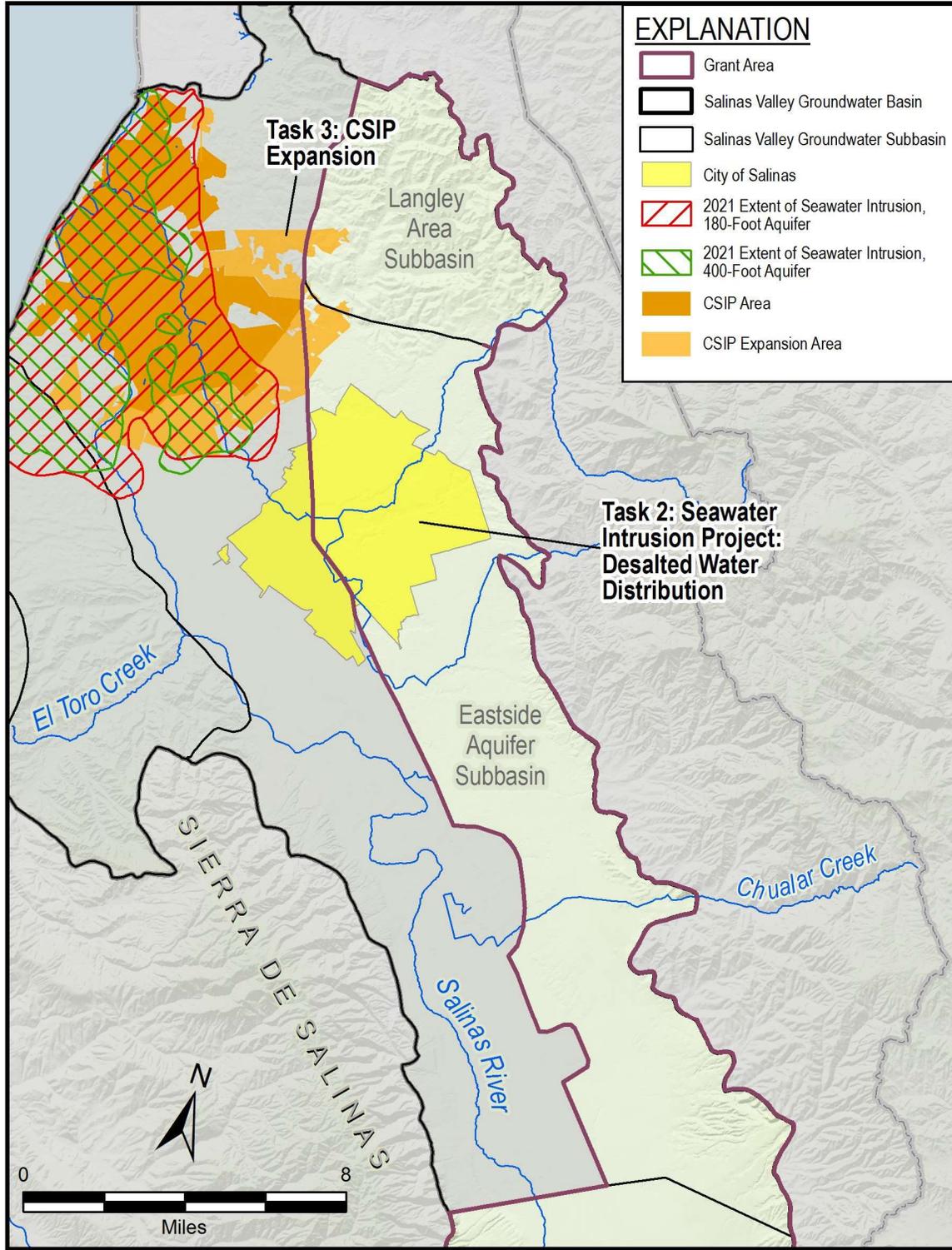
EXPLANATION

-  Grant Area
-  Salinas Valley Groundwater Basin
-  Salinas Valley Groundwater Subbasin

Component 5 Tasks by Subbasin

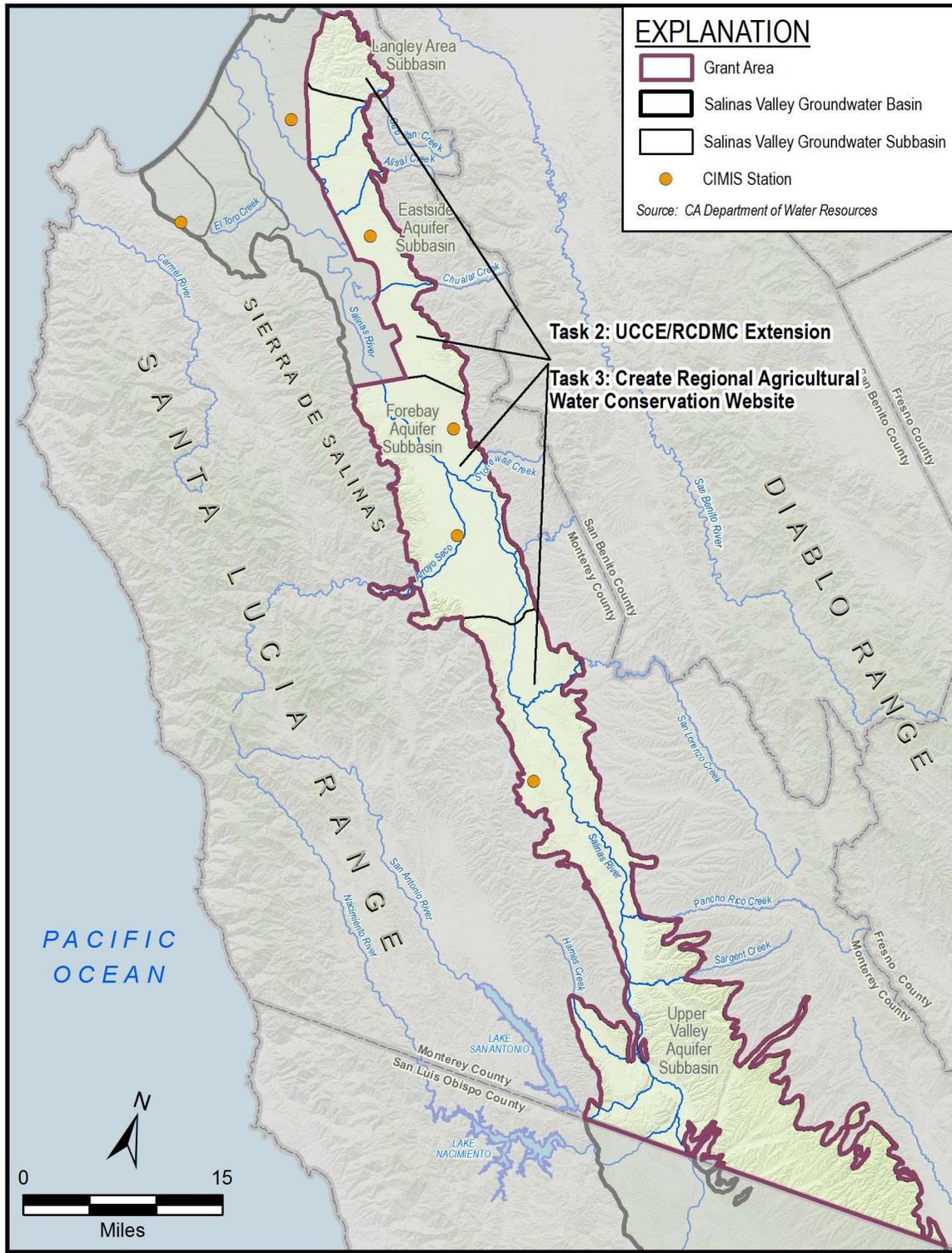
-  Task 2: Plan for Demand Management in Overdrafted Subbasins
-  Task 3: Establish SMC Technical Advisory Committees in Non-overdrafted Subbasins
-  Task 4: Interbasin Impacts of Demand Management

Figure 10. Component 6 Alternative Supply Feasibility and CEQA



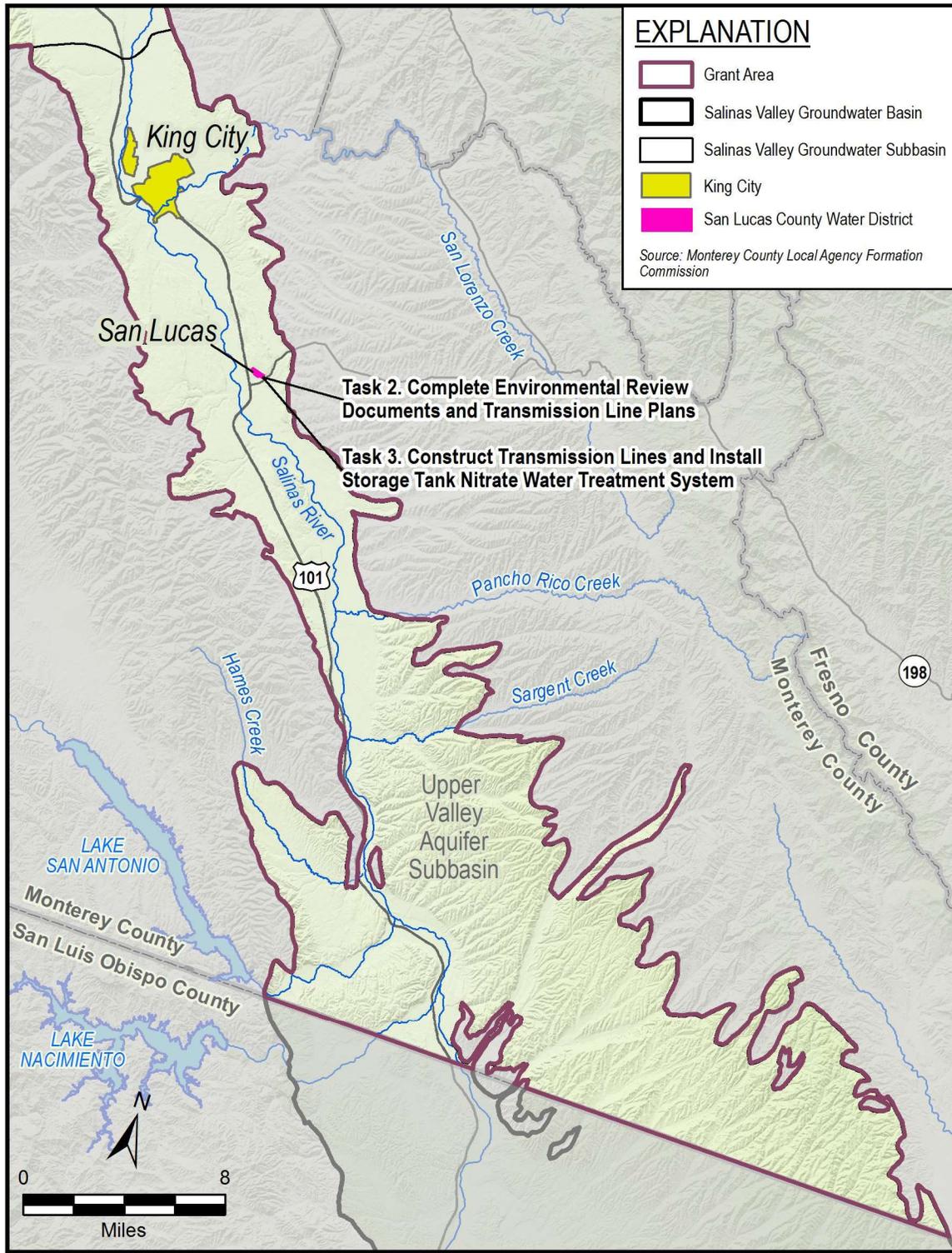
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Figure 11. Component 7 Agricultural Water Conservation Best Management Practices



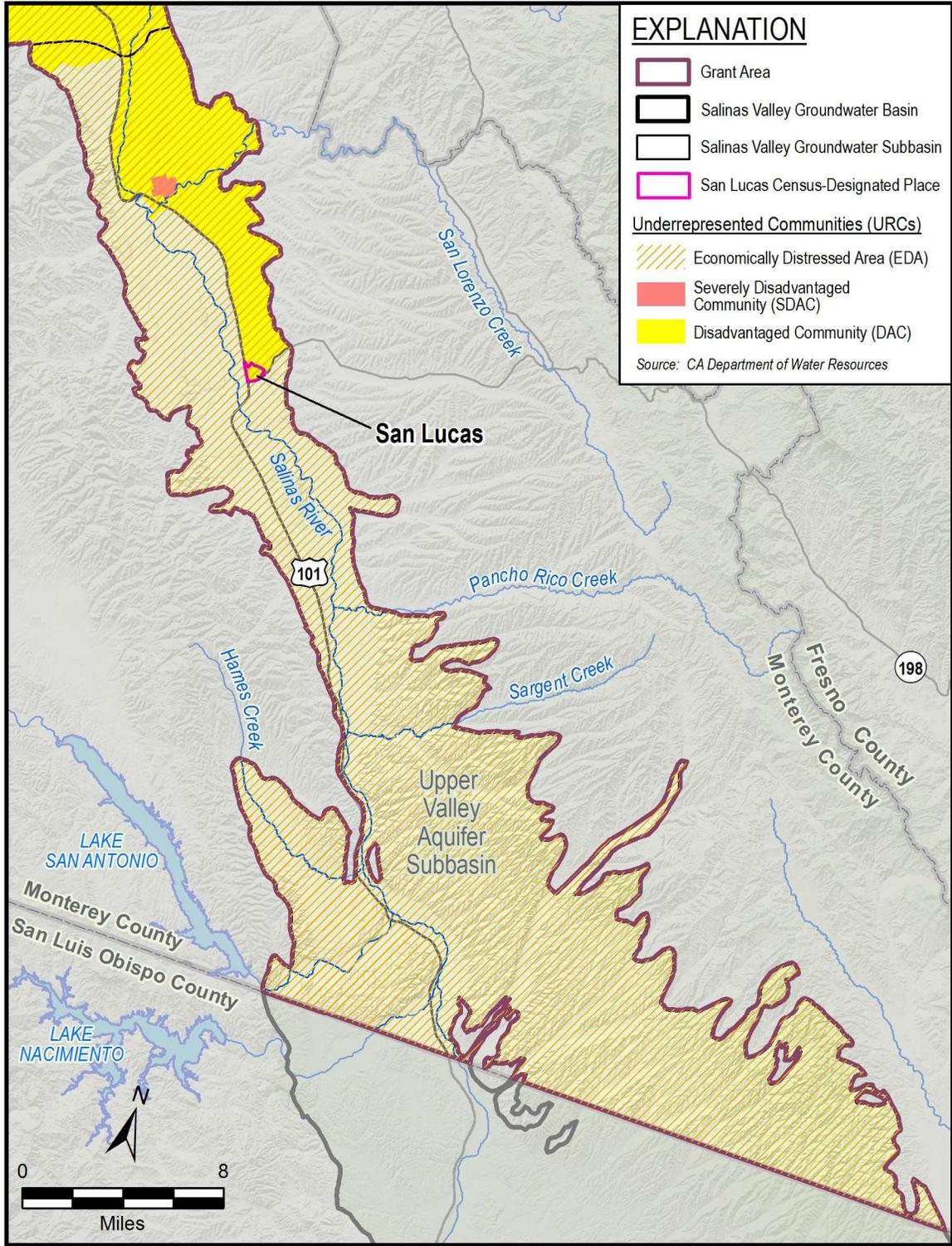
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Figure 12. Component 8 San Lucas Drinking Water Project



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Figure 13. Component 8 Underrepresented Communities



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II. Letters of Support

MONTEREY COUNTY



BOARD OF SUPERVISORS ▪ 168 West Alisal Street, 2nd Floor, Salinas, CA 93901
LUIS A. ALEJO, SUPERVISOR ▪ District One ▪ Chief of Staff, Linda J. Gonzalez
Telephone: (831) 755-5011 ▪ Fax: (831)755-5876 ▪ Email: district1@co.monterey.ca.us

December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

As the incoming chair of the Monterey County Board of Supervisors, please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

I represent District 1 on the Monterey County Board of Supervisors. My district includes most of the City of Salinas, a largely Latino working-class community. I support the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA Board I'm a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. Other points that could be elaborated on here:

- new monitoring wells will complete the groundwater level and interconnected surface water monitoring networks will provide for a more complete understanding of groundwater levels, which will be particularly helpful for projecting whether groundwater conditions will impair wells,

- Groundwater Extraction Management System (GEMS) expansion/enhancement will improve the assessment of groundwater extraction and elucidate where extraction occurs and its impact on groundwater levels,
- assessing the final Salinas Valley Integrated Hydrologic Model under development by the USGS and making any adjustments needed, adding more recent data, recalibrating the model and reassess climate scenarios,
- establishes monitoring system for groundwater dependent ecosystems

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA.

Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs.

Points that could be elaborated on here:

- The addition of an Outreach Coordinator will provide information and access to additional community members to engage on the implementation of the GSPs. This workstream will include simultaneous interpretation of workshops and translation of written materials into Spanish.
- The Outreach Coordinator will also work with domestic well owners to connect them to resources and information.
- Supporting the State Dry Well Notification System
- Well registration resulting in the SVBGSA database of active wells
- Workshops on residential projects conservation opportunities
- Agency coordination on the implementation of the Deep Aquifers Study guidance for management, implementing the Water Quality Coordination Group and Land Use Jurisdiction Coordination Program.
- Close collaboration with the Monterey County Water Resources Agency (MCWRA), Arroyo Seco Groundwater Sustainability Agency (ASGSA) and the County of Monterey and Central Coast Regional Water Quality Control Board.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

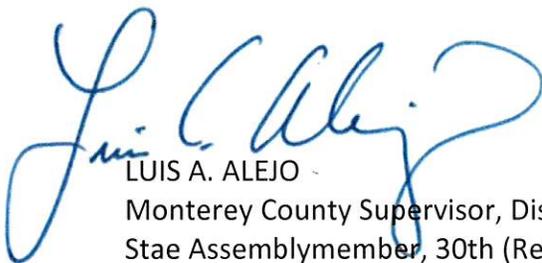
SVBGSA takes a 3-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin. Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation. Points that could be elaborated on here:
 - The overland MAR feasibility study that will map areas of high recharge in the Eastside and Langley Subbasins
 - Design and model reservoir reoperation scenarios for enhanced groundwater recharge and diversion water for use in lieu of groundwater. Reservoir reoperation is a management action in the Forebay and Upper Valley GSPs and supports other GSP projects.
 - Calculating recharge rates at Somavia Road could inform potential groundwater storage increases that could be achieved via reservoir reoperation.
 - The Multi-benefit Stream Channel Improvement will include mapping of existing Arundo in Salinas River channel over 6000 acres to plan for removal. It will also include hydraulic modeling with HEC-RAS to evaluate percolation from the river, its floodplain and potential off-channel detention basins under a variety of flow regimes.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your time and consideration. If you have any questions, please do not hesitate to contact me at (831) 755-5011 or via email AlejoL@co.monterey.ca.us.

Sincerely,



LUIS A. ALEJO
 Monterey County Supervisor, District 1
 State Assemblymember, 30th (Ret.)

ARROYO SECO GROUNDWATER SUSTAINABILITY AGENCY

599 Camino Real Greenfield CA 93927 | 831-647-5591

December 2, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

Subject: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter from the Arroyo Seco GSA of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve and maintain long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The Arroyo Seco GSA supports the integrated approach of the SVBGSA Implementation Grant proposal. The Arroyo Seco GSA is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley, especially within the Forebay Subbasin we jointly manage. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. The Arroyo Seco GSA is especially supportive of the grant's development of the following implementation actions:

- New monitoring wells to complete the monitoring network in the Forebay Subbasin and the associated Groundwater Extraction Management System (GEMS) expansion/enhancement,
- Furthering our understanding and assessing the Salinas Valley Integrated Hydrologic Model and making any adjustments needed, adding more recent data, recalibrating the model and reassess climate scenarios,

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the

ARROYO SECO GROUNDWATER SUSTAINABILITY AGENCY

599 Camino Real Greenfield CA 93927 | 831-647-5591

implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs. The Arroyo Seco GSA plans to work with the SVBGSA to improve rural residential water quality in Arroyo Seco Cone Management Area through the develop of information for rural residents about common groundwater quality issues and options for obtaining safe and aesthetic potable water in their homes.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

Feasibility studies and implementation of projects to increase recharge are strongly supported by the Arroyo Seco GSA. The Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified and a multi-benefit project to be implemented.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs.

Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Curtis V. Weeks", with a long horizontal flourish extending to the right.

Curtis V. Weeks
General Manager
Arroyo Seco GSA



December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The Central Coast Wetlands Group (CCWG) supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA Eastside Subbasin Committee our organization is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. CCWG is very supportive of the establishment of new monitoring wells that will complete the groundwater level and interconnected surface water monitoring networks and provide for a more complete understanding of groundwater levels, and establishment of a monitoring system for groundwater dependent ecosystems.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs. CCWG is very supportive of the addition of an Outreach Coordinator to provide information and access to additional community members to engage on the implementation of the GSPs, and agency coordination to implement the Water Quality Coordination Group and Land Use Jurisdiction Coordination Program.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a 3-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

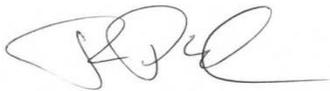
- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation. CCWG is very supportive of the overland MAR feasibility study that will map areas of high recharge in the Eastside and Langley Subbasins.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Clark', written in a cursive style.

Ross Clark, Director



1140 Abbott St., Ste. C, Salinas CA 93901
P.O. Box 1449, Salinas CA 93902-1449
831-751-3100 www.montereycfb.com

December 2, 2022

California Department of Water Resources
Financial Assistance
Att: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

**RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency
Round 2 Implementation Grant**

Dear Ms. List:

Monterey County Farm Bureau represents family farmers and ranchers in the interest of protecting and promoting agriculture throughout our County. Since 1917, Farm Bureau strives to improve the ability of those engaged in production agriculture to provide a reliable supply of food and fiber through responsible stewardship of our local resources.

On behalf of our Board of Directors, we offer this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Sub-basins in January 2022. These GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA sub-basins: the Round 1 COD grant received by the 180/400-Foot Aquifer Sub-basin and the Round 2 grant application for the Monterey Sub-basin.

Monterey County Farm Bureau supports the integrated approach of the SVBGSA Implementation Grant proposal. As a two of our Directors serve on the SVBGSA Board of Directors, and our participation on the SVBGSA Advisory Committee and sub-basin implementation committees, our organization is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley.

Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach basin-wide sustainability.

Specifically, implementation of our four GSPs will be enhanced by:

Keeping Farmers Growing Since 1917

- Installing new monitoring wells that build and complete the groundwater level and interconnected surface water monitoring networks will provide for a more complete understanding of groundwater levels, which will be particularly helpful for projecting whether groundwater conditions will impair wells;
- Expansion of the Groundwater Extraction Management System (GEMS) will improve the assessment of groundwater extraction and elucidate where extraction occurs and its impact on groundwater levels;
- Analyzing and assessing the final Salinas Valley Integrated Hydrologic Model under development by the US Geological Service, making any adjustments needed, adding more recent data of land use and cropping patterns, recalibrating the model, and confirming climate scenarios;
- Establish a monitoring system for groundwater dependent ecosystems.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive stakeholder outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners; maintaining partnerships with local stakeholders and agencies is key to implementing the GSPs across all sub-basins of the Salinas Valley.

SVBGSA proposes to add an Outreach Coordinator who will provide information to stakeholders throughout the local community. Engagement on GSP implementation will include simultaneous interpretation of workshops, distributed materials, and outreach coordination in Spanish, as well as provide domestic well owners with resources and information.

Engagement also includes close coordination with other agencies involved in water resource management: Monterey County Water Resources Agency (MCWRA), Arroyo Seco Groundwater Sustainability Agency (ASGSA) and the County of Monterey and Central Coast Regional Water Quality Control Board.

Through its collaborative approach, SVBGSA has acknowledged that the agricultural sector supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging stakeholders within Agriculture, the SVBGSA's support in the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Salinas Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of water resource and groundwater issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a multi-faceted approach to reaching and maintaining sustainability pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for potential demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible, provide the best chance for success, and which to prioritize.

Determining the feasibility for alternate supplies of groundwater is an important step towards understanding the potential for desalinated water to be delivered to the municipal areas of Salinas and Castroville, and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.

Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the stakeholders. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop

the Steam Maintenance Program to include a groundwater benefit assessment; implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.

Planning for demand management is a potential tool for GSP implementation, and one that requires careful development and consideration, with extensive consultation of stakeholders, and is undertaken in a manner appropriate for each sub-basin.

Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable SVBGSA and stakeholders to make informed decisions when proceeding with implementation. There are additional considerations to be made when evaluating supply and recharge projects:

- The overland MAR feasibility study will map areas of potential recharge in the Eastside and Langley sub-basins;
- Design and modeling of reservoir reoperation scenarios for enhanced groundwater; reservoir reoperation is a management action in the Forebay and Upper Valley GSPs and supports other GSP projects;
- Calculating recharge rates at the Somavia Road area of the Salinas Valley could inform potential groundwater storage increases that could be achieved through reservoir reoperation;
- The Multi-benefit Stream Channel Improvement will include mapping of existing *Arundo* in Salinas River channel over 6,000 acres, to plan for removal and eradication; this will also include hydraulic modeling with HEC-RAS to evaluate percolation within the river channel, its floodplain and potential off-channel detention basins under a variety of flow regimes.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four critical GSPs.

Thanks for your consideration.

Sincerely,



Norman C. Groot
Executive Director



December 13, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

Community Housing Improvement Systems and Planning Association, Inc. (CHISPA) is a nonprofit, Community-based Housing Development Organization (CHDO) whose mission is "To improve people's lives and create healthy neighborhoods by developing, selling, owning and managing affordable homes". It is important to have and maintain a long-term sustainable water supply to continue to build affordable housing.

CHISPA supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA advisory committee, our organization is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your consideration.

Sincerely,

Paul Tran

Paul Tran, Senior Project Manager



City of Gonzales



P.O. BOX 647
PHONE: (831) 675-5000

147 FOURTH ST.
FAX: (831) 675-2644

GONZALES, CALIFORNIA 93926
www.gonzalesca.gov

December 7, 2022

Jose L. Rios
Mayor

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

Scott Funk
Mayor Pro Tem

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Liz Silva
Councilmember

Dear Ms. List,

Lorraine Worthy
Councilmember

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve and maintain long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

Maria Orozco
Councilmember

Carmen Gil
Interim City
Manager

The City of Gonzales supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member of SVBGSA's Advisory Committee, our agency is a partner with SVBGSA working towards achieving groundwater sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks and provides the foundational groundwater basin understanding and model for development augmented with new data. The data collection and modeling are also critical for making decisions related to potential projects and management actions to reach sustainability. The project area includes domestic wells and many small public water systems that are dependent on groundwater for safe drinking water. Data expansion and SGMA compliance will help the GSA, as well as small water systems and households that rely on shallow domestic wells, understand vulnerabilities and impacts of groundwater conditions.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on

Gonzales will continue to be a safe, clean, family-friendly community, diverse in heritage, and committed to working collaboratively to preserve and retain its small town charm

the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local agencies is key to implementing the GSPs.

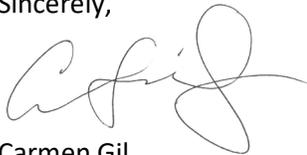
Through its collaborative approach, SVBGSA acknowledges that agriculture provides many of the jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

Feasibility studies and implementation of projects to increase recharge are strongly supported by the city. The Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve sustainability. This grant will provide needed support for the implementation of four GSPs.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Gil', with a large, stylized flourish at the end.

Carmen Gil,
Interim City Manager

Grower-Shipper Association of Central California
ADVANCING FAMILIES, FOOD AND FARMING ON THE CENTRAL COAST



**512 Pajaro Street
Salinas, CA 93901
Phone: (831) 422-8844
Fax: (831) 422-0868**

December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

**RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency
Round 2 Implementation Grant**

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The Grower-Shipper Association of Central California represents growers, shippers, processors, harvesters of vegetables and fruits, as well as allied support businesses, throughout California's Central Coast. Our membership either farms or supports farming in an area that directly overlays the Salinas Valley Basin Groundwater Sustainability Agency's regulatory footprint.

We support the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA's Advisory Committee our agency/organization is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase

understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs, and is the main economic driver in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a 3-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your consideration.

Sincerely,



Christopher Valadez

Grower-Shipper Association of Central California



December 2, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

On behalf of the Regional Water Management Group (RWMG) for the Greater Monterey County Integrated Regional Water Management (IRWM) Region, I am pleased to submit this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant application. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins, and implementation funds are essential to begin the SVBGSA's critical work to achieve long-term sustainability. The proposed effort is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The Regional Water Management Group for the Greater Monterey County IRWM Region is comprised of 19 agencies and organizations, representing diverse and balanced interests in water resource management in Monterey County. The SVBGSA is an active member of the Greater Monterey County Regional Water Management Group. SVBGSA's Implementation Grant proposal supports the goals and objectives of the Greater Monterey County IRWM Plan, including improved water supply reliability, improved groundwater quality, enhanced natural resources, support for disadvantaged communities, and the promotion of regional communication, cooperation, and education regarding water resource management.

The Greater Monterey County IRWM Region supports the integrated approach of the SVBGSA proposal, which includes the following key efforts:

- Data collection and monitoring, revising the hydrogeologic conceptual models, and updating the groundwater models in order to provide a foundational groundwater basin understanding to support decision making related to potential projects and management actions.
- Expanded engagement of underrepresented communities, local agencies, and other interested parties including domestic well owners, in order to obtain input from the community, connect stakeholders with resources, and engage them in GSP implementation.
- Support for a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA to improve evapotranspiration (ET) data for Salinas Valley, provide outreach and facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.
- Studies to improve understanding of the feasibility and benefits of alternate supply and recharge projects to help prioritize projects and management actions. For example: feasibility studies for alternate supplies of groundwater to understand the potential for desalted water for the City of Salinas and for expansion of the Castroville Seawater Intrusion Project (CSIP); managed aquifer recharge suitability studies to assist in the identification of potential sites to maximize recharge; a Reservoir Reoperation Feasibility Study and Salinas River Recharge Study to inform the recharge potential of shifting reservoir operations; a Multi-benefit Stream Channel Improvement project to support existing Arundo removal; and development of a Stream Maintenance Program, which will enable groundwater benefits to be quantified.
- Planning for demand management as a potential tool for GSP implementation.

The work that the SVBGSA proposes to complete with the “Salinas Valley GSP Implementation Grant” will provide much needed support for the implementation of four GSPs, and will lay the foundation for the Salinas Valley to achieve and maintain sustainability. We encourage the Department of Water Resources to fund this important work.

Thank you for your consideration.

Sincerely,



Susan Robinson, Program Director
Greater Monterey County IRWM Program
srobinsongs@frontier.com



December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List:

On behalf of the City of King, please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. The City of King is a disadvantaged and underserved community in the southern end of the Salinas Valley in Monterey County with a population of approximately 13,300 people. It is a rural community dependent primarily on agriculture. Minority households make up roughly 90% of the population and a large percentage are non-English speakers. Currently, King City depends entirely on groundwater for its water supply. Therefore, groundwater management is a critical issue for our community.

SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve and maintain long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The City of King supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member agency serving on the Board of Directors of the SVBGSA, our agency is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. The project area includes a high concentration of domestic wells and many small public water systems that are dependent on groundwater for drinking water. Data expansion and SGMA compliance will help the GSA, as well as small water systems and households that rely on shallow domestic wells, understand vulnerabilities and impacts of groundwater conditions.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

Feasibility studies and implementation of projects to increase recharge are strongly supported by the City of King. The Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs.

Thank you for your consideration of our input.

Sincerely,



Steven Adams
City Manager

MONTEREY COUNTY

WATER RESOURCES AGENCY

PO BOX 930
SALINAS, CA 93902
P: (831) 755-4860
F: (831) 424-7935

BRENT BUCHE
GENERAL MANAGER



STREET ADDRESS
1441 SCHILLING PLACE, NORTH BUILDING
SALINAS, CA 93901

December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. The SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for two other the other subbasins managed by the SVBGSA: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The Monterey County Water Resources Agency (MCWRA) supports the integrated approach of the SVBGSA's Implementation Grant proposal. As a member of the Joint Powers Authority that formed the SVBGSA, and a member of the SVBGSA's Advisory Committee and Groundwater Technical Advisory Committee, MCWRA is a partner with the SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley.

Data expansion and SGMA compliance aim to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work augments the monitoring networks, enhances the foundational groundwater basin understanding, and refines modeling tools. Data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. This grant will allow for expansion and enhancement of MCWRA's Groundwater Extraction Management System, updating this long-standing program to fully encompass the collection of groundwater extraction data to support the planning needs of the SVBGSA.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA's Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies like MCWRA is key to implementing the GSPs. The addition of an Outreach Coordinator will assist with maintaining and growing the collaboration between the SVBGSA, other local partners like MCWRA, and community members throughout the Salinas Valley.

Through its collaborative approach, the SVBGSA has acknowledged that agriculture supports many jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Salinas Valley and enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

The SVBGSA has adopted a three-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Evaluating the feasibility for alternative supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for expansion of the Castroville Seawater Intrusion Project (CSIP).
- Feasibility studies and implementation of projects to increase recharge will be part of achieving and maintaining sustainability and are strongly supported by the interested parties.
 - Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge.
 - A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential that could be realized by changing reservoir operations.
 - The Multi-benefit Stream Channel Improvement will support existing *Arundo donax* removal and develop the Stream Maintenance Program to include a groundwater benefit assessment.
 - Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improve the understanding of the feasibility and benefits of alternative supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs. Thank you for your consideration.

Sincerely,



Brent Buche, PE
General Manager

744 La Guardia Street, Building A, Salinas, CA 93905

(831) 975-7775

December 9, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The **Resource Conservation District of Monterey County** supports the integrated approach of the SVBGSA Implementation Grant proposal. With staff representation on the SVBGSA Eastside Subbasin Implementation Committee, our agency is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. We are particularly interested in supporting GSA goals through our work with individual landowners and farmers to conserve water and develop projects to augment groundwater recharge while protecting water quality.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs. This is consistent with the RCD's approach and commitment to equitable representation and assistance for traditionally underrepresented communities in our on-farm and urban conservation work.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing

agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between ourselves (RCDMC), University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. We will perform outreach and education to increase public awareness of groundwater issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a 3-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Stream Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation. We are particularly pleased to see inclusion of mapping of existing Arundo in Salinas River channel over 6000 acres to plan for removal within the context of the Multi-benefit Stream Channel Improvement project. It will also include hydraulic modeling with HEC-RAS to evaluate percolation from the river, its floodplain and potential off-channel detention basins under a variety of flow regimes. We have been actively involved in and providing leadership for work on the Salinas River for the past decade.

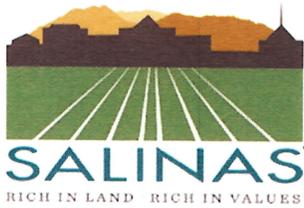
The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your consideration.

Sincerely,



Paul Robins
Executive Director
Resource Conservation District of Monterey County



City of Salinas

OFFICE OF THE CITY MANAGER • 200 Lincoln Ave • Salinas,

California 93901 (831) 758-7201 • (831) 758-7368 (Fax) •

www.cityofsalinas.org

December 13 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The City of Salinas supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA participating on the SVBGSA Board and Advisory Committee the City is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks, and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. Key components include:

- New monitoring wells that will complete the groundwater level and interconnected surface water monitoring networks and provide for a more complete understanding of groundwater levels,
- The expansion and enhancement of the Groundwater Extraction Management System (GEMS) which will improve the assessment of groundwater extraction and elucidate where extraction occurs,

- Assessment of the final Salinas Valley Integrated Hydrologic Model currently under development by the USGS and making any adjustments needed including adding more recent data, recalibrating the model and reassessing climate scenarios, and
- Establishment of a monitoring system for groundwater dependent ecosystems.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs. Some examples are found below.

- A large portion of the Salinas population are considered low income and/or reside in disadvantaged communities.
- The addition of an Outreach Coordinator will provide information and access to additional community members to engage on the implementation of the GSPs. This workstream will include simultaneous translation of workshops and translation of written materials into Spanish which is essential given the high percentage of Spanish speaking residents in the City.
- The Outreach Coordinator will also work with domestic well owners to connect them to resources and information.
- Close collaboration with the Monterey County Water Resources Agency (MCWRA), Arroyo Seco Groundwater Sustainability Agency (ASGSA) and the County of Monterey and Central Coast Regional Water Quality Control Board.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a 3-pronged approach to reaching and maintaining sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by the interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A

Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.

- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improve the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation. Some of the features that will promote this include:

- The overland MAR feasibility study that will map areas of high recharge in the Eastside and Langley Subbasins.
- Design and model reservoir reoperation scenarios for enhanced groundwater recharge and diversion water for use in lieu of groundwater. Reservoir reoperation is a management action in the Forebay and Upper Valley GSPs and supports other GSP projects.
- Calculating recharge rates at Somavia Road could inform potential groundwater storage increases that could be achieved via reservoir reoperation.
- The Multi-benefit Stream Channel Improvement will include mapping of existing Arundo in Salinas River channel over 6000 acres to plan for removal. It will also include hydraulic modeling with HEC-RAS to evaluate percolation from the river, its floodplain and potential off-channel detention basins under a variety of flow regimes.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of 4 GSPs.

Thank you for your consideration.

Sincerely,



Steve Carrigan
City Manager

December 7, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve and maintain long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the round 2 grant application for the Monterey Subbasin.

The San Lucas County Water District supports the integrated approach of the SVBGSA Implementation Grant Proposal. A stakeholder of the Upper Valley Aquifer Subbasin, our District is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley.

San Lucas is a small disadvantaged community who relies on the San Lucas County Water District for water. San Lucas residents have been on bottled water directive (by Monterey County Environmental Health) for several years because the water from the District well has been above the MCL for nitrates, sometimes; it has fluctuated.

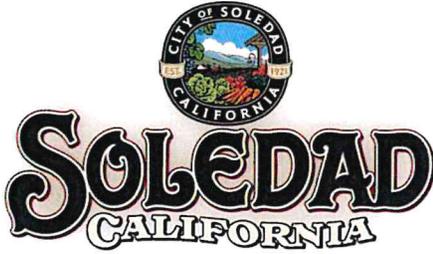
The transmission pipeline project to improve the San Lucas Water District distribution system will allow the San Lucas community to receive drinking water that is below the MCL for nitrates.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs and the construction of the San Lucas Transmission Line which is a critical need for our community.

Thank you for your consideration.

Sincerely,


Susan Madson, General Manager
San Lucas County Water District



December 8, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high-priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve and maintain long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin and the Round 2 grant application for the Monterey Subbasin.

The City of Soledad supports the integrated approach of the SVBGSA Implementation Grant proposal. As a member of the SVBGSA Advisory Committee, our agency/organization is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aims to prepare the Salinas Valley for the 5-year GSP updates and strengthen long-term planning through filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability. The project area includes a high concentration of domestic wells and many small public water systems that are dependent on groundwater for drinking water. Data expansion and SGMA compliance will help the GSA, as well as small water systems and households that rely on shallow domestic wells, understand the vulnerabilities and impacts of groundwater conditions.

Engagement of interested parties and underrepresented communities such as Soledad maintains and expands upon the SVBGSA's foundation of community input into the development and

implementation of SGMA. Extensive interested-party outreach and engagement is necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. Soledad includes many disadvantaged and severely disadvantaged community census tracts, so the Soledad community appreciates that a priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies are key to implementing the GSPs.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and also enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

Feasibility studies and implementation of projects to increase recharge are strongly supported by the interested parties. The Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "D. J. Wilcox". The signature is fluid and cursive, with a long horizontal stroke at the end.

Donald Wilcox, PE
Public Works Director
City of Soledad, CA

MONTEREY COUNTY

THE BOARD OF SUPERVISORS Chris Lopez, Supervisor-Third District

599 EL CAMINO REAL
GREENFIELD, CA 93927
DISTRICT3@CO.MONTEREY.CA.US
TELEPHONES: (831) 755-5033
385-8333
FAX: (831) 796-3022



December 8, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round Two Implementation Grant for the *Salinas Valley GSP Implementation Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer, and Upper Valley Aquifer Subbasins in January 2022. The GSPs address adjacent medium and high-priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve long-term sustainability. This grant is complemented by and coordinated with grants for the other two SVBGSA subbasins: the Round One COD grant received by the 180/400-Foot Aquifer Subbasin and the Round Two grant application for the Monterey Subbasin.

As the County Supervisor of the third district representing southern Monterey County, I support the integrated approach of the SVBGSA Implementation Grant proposal. The County of Monterey is a partner with SVBGSA in working towards achieving and maintaining sustainability in the Salinas Valley. Data expansion and SGMA compliance aim to prepare the Salinas Valley for the five-year GSP updates and strengthen long-term planning by filling data gaps, revising the hydrogeologic conceptual models, and updating the groundwater models. This important work completes the monitoring networks and provides the foundational groundwater basin understanding and model for development augmented with new data. This data collection and modeling also are critical for making decisions related to potential projects and management actions to reach sustainability.

Engagement of interested parties and underrepresented communities maintains and expands upon the SVBGSA's foundation of community input into the development and implementation of SGMA. Extensive interested-party outreach and engagement are necessary to refine projects, assess feasibility, and increase understanding of project costs and benefits. A priority will be placed on the implementation of the SVBGSA Underrepresented Communities engagement strategy and reaching out to and supporting domestic well owners. In addition, maintaining partnerships with local Agencies is key to implementing the GSPs.

The area I represent includes many underserved rural communities such as Chualar, Lockwood, San Lucas, and San Ardo who would benefit from this grant. The addition of an Outreach Coordinator will provide information and access to additional community members to engage in the implementation of the GSPs. This workstream

will include simultaneous interpretation of workshops and translation of written materials into Spanish. This is essential for our community. In addition to Spanish speakers, we have residents who speak dialects and would benefit from additional outreach. The Outreach Coordinator will also work with domestic well owners to connect them to resources and information, host workshops, and coordinate with local agencies.

Through its collaborative approach, SVBGSA has acknowledged that agriculture supports most jobs in Monterey County and GSP implementation needs to take a balanced approach that supports all beneficial users. In addition to engaging interested parties within agriculture, the SVBGSA's support of the development of existing agricultural extension programs will provide resources to underrepresented farmers and growers through a pilot partnership program between the Resource Conservation District of Monterey County, University of California Cooperative Extension and the SVBGSA. The work will develop better evapotranspiration (ET) data for the Valley and enhance the reference weather stations relied upon for (ET) reference data. The project partners will perform outreach and education to increase public awareness of groundwater Issues, facilitate grower access to conservation resources, and target technical assistance to maximize water conservation and efficient groundwater use.

SVBGSA takes a three-pronged approach to reach and maintain sustainability: pursuing alternative supplies to reduce groundwater extraction, enhancing groundwater recharge, and planning for demand management and conservation. This funding is critical to move GSPs into implementation and determine which projects and management actions are feasible and which to prioritize.

- Determining the feasibility for alternate supplies of groundwater is an important step for understanding the potential for desalted water to be delivered to the City of Salinas and for the Castroville Seawater Intrusion Project (CSIP) to be expanded.
- Feasibility studies and implementation of projects to increase recharge will also be key to achieving and maintaining sustainability and are strongly supported by interested parties. Managed aquifer recharge suitability studies will assist in the identification of potential sites to maximize recharge. A Reservoir Reoperation Feasibility Study and Salinas River Recharge Study will inform the recharge potential of potentially shifting reservoir operations. The Multi-benefit Stream Channel Improvement will support existing Arundo removal and develop the Steam Maintenance Program to include a groundwater benefit assessment. Implementation of the Multi-benefit Stream Channel Improvements will enable groundwater benefits to be quantified.
- Planning for demand management is a potential tool for GSP implementation, and one that requires careful thought and extensive consultation that is undertaken in a manner appropriate for each subbasin.

Progress to improving the understanding of the feasibility and benefits of alternate supply and recharge projects will enable interested parties to make informed decisions when proceeding with implementation.

The work that the SVBGSA proposes to complete with the *Salinas Valley GSP Implementation Grant* is the foundation for the Salinas Valley to achieve and maintain sustainability. This grant will provide needed support for the implementation of four GSPs. Thank you for your consideration.

Sincerely,



Chris Lopez
Monterey County Supervisor
Third District

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1021 O STREET, SUITE 8720
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FAX (916) 651-4917

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SANTA CRUZ, CA 95060
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SANTA CLARA COUNTY SATELLITE OFFICE
TEL (408) 847-6101

California State Senate

SENATOR
JOHN LAIRD

SEVENTEENTH SENATE DISTRICT



COMMITTEES

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JOINT LEGISLATIVE
COMMITTEE ON RULES

December 16, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List,

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the *Salinas Valley GSP Implementation Grant* and the *GSP Implementation Activities in the Monterey Subbasin Grant*. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. SVBGSA worked in partnership with the Marina Coast Water District Groundwater Sustainability Agency (MCWDGSA) to submit the GSP for the Monterey Subbasin where the SVBGSA has one management area.

The groundwater sustainability plans address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve the long-term sustainability. This grant is complemented by and coordinated with a grant for the other SVBGSA subbasin: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin.

The SVBGSA involved dozens of stakeholders in the planning processes for the groundwater sustainability plans and has begun implementation steps already in the 180/400-Foot Aquifer Subbasin. The SVBGSA has outlined a scientifically robust set of activities to further document conditions in the basins and has identified projects and management actions to address conditions in the subbasins that must be addressed according to the Sustainable Groundwater Management Act.

Our office supports this request by the SVBGSA to initiate their important work towards sustainability in the Salinas Valley Basin. The Salinas Valley is an important agricultural region of the state and there are several

communities that are underserved in the basins of focus. Sustainability of groundwater resources is of utmost importance for the Salinas Valley where groundwater represents 98% of the supply source in the Salinas Valley.

We appreciate your consideration of this grant request and urge your approval.

Sincerely,

A handwritten signature in black ink that reads "John Laird". The signature is written in a cursive, flowing style.

Senator John Laird
California Senate District 17

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0029
(916) 319-2029
FAX (916) 319-2129

Assembly California Legislature



ROBERT RIVAS
ASSEMBLYMEMBER, TWENTY-NINTH DISTRICT

December 15, 2022

California Department of Water Resources
Financial Assistance
Attn: Kelley List
P.O. Box 942836
Sacramento, CA 94236-0001

RE: Letter of Support for Salinas Valley Basin Groundwater Sustainability Agency Round 2 Implementation Grant

Dear Ms. List:

Please accept this letter of support for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Round 2 Implementation Grant for the Salinas Valley GSP Implementation Grant and the GSP Implementation Activities in the Monterey Subbasin Grant. SVBGSA completed and submitted the Groundwater Sustainability Plans (GSPs) for the Eastside Aquifer, Langley, Forebay Aquifer and Upper Valley Aquifer Subbasins in January 2022. SVBGSA worked in partnership with the Marina Coast Water District Groundwater Sustainability Agency (MCWDGSA) to submit the GSP for the Monterey Subbasin where the SVBGSA has one management area.

The groundwater sustainability plans address adjacent medium and high priority Salinas Valley basins and implementation funds are essential to begin the SVBGSA's critical work to achieve long-term sustainability. This grant is complemented by and coordinated with a grant for the other SVBGSA subbasin: the Round 1 COD grant received by the 180/400-Foot Aquifer Subbasin.

The SVBGSA involved dozens of stakeholders in the planning processes for the groundwater sustainability plans and has begun implementation steps already in the 180/400-Foot Aquifer Subbasin. The SVBGSA has outlined a scientifically robust set of activities to further document conditions in the basins and has identified projects and management actions to address conditions in the subbasins that must be addressed according to the Sustainable Groundwater Management Act.

I support this request by the SVBGSA to initiate their important work towards sustainability in the Salinas Valley Basin. The Salinas Valley is an important agricultural region of the state and is home to several communities that are underserved in the basins of focus. Sustainability of



groundwater resources is of utmost importance for the Salinas Valley where groundwater represents 98% of the supply source in the Salinas Valley.

Thank you for your time and thoughtful consideration in this matter. If your office has any questions or concerns, please do not hesitate to reach out to me at (831) 756-8676.

Sincerely,

A handwritten signature in blue ink, consisting of a stylized 'R' followed by a horizontal line and a small flourish.

ROBERT RIVAS

Assemblymember, District 29
State of California

MEMORANDUM

Mission Ranches Company, LLC
San Lucas Water System Improvements – 1678-0001



Date: August 16, 2022
To: Pamela Silkwood, Mission Ranches Company, LLC
From: Bryan Childress, Wallace Group
Subject: San Lucas Water System Feasibility Study



CIVIL AND
TRANSPORTATION
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WATER RESOURCES

Background & System Information

San Lucas County Water District (“District”) is a community water system that currently serves approximately 415 residents with 85 service connections. The District’s water system infrastructure consists of one active well (Well 3) and three abandoned or inactive wells (District Well, Well 1 & 2), five filter vessels (greensand) for iron and manganese removal, a backwash pond, chlorine injection system, 300,000-gallon steel potable water tank, and a mix of PVC and galvanized steel supply and distribution piping. The District’s current water supply is from a groundwater well (Well 3) located approximately 1.2 miles south of the town on the Las Colinas Ranch property. The well is co-owned by the Naraghi family and Mission Ranches Company, LLC (“Mission Ranches”) and is operated by the District as an interim potable water supply.

Regulatory and Compliance History

The District has a history of poor water quality from their groundwater wells, mainly high TDS and Nitrate. Three of their wells currently produce non-potable water (District Well, Wells 1 & 2) and the interim well (Well 3) has begun to experience intermittent nitrate spikes above the maximum contaminant limit (MCL).

In 1986, EMCON conducted a study of the District’s original water supply well (District Well) and determined it was heavily polluted due to “high septic system density and large percentages of system failures in the San Lucas community”. This study resulted in the Central Coast RWQCB adopting a local moratorium prohibiting the use of District water as drinking water. During the same time the District was pursuing two additional groundwater sources (Wells 1 & 2). Well 1 had poor water quality and was not connected to the water system. Well 2, located on the Las Colinas Ranch property, had better water quality at the time and was used as the primary water source for a number of years. Well 2 was drilled in 1981 and operated using an easement.

In 2005 the District acquired an expanded easement area for Well 2 using eminent domain and constructed a potable water filtration system and backwash pond. Well 2 was used for a number of years as the primary water supply for the District but water quality began to degrade over time (TDS and Nitrate) due to poor well construction, well age, and other factors. An attempt to rehabilitate the well was conducted in 2012-

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2013 but failed, ending with effluent nitrate as nitrogen results in excess of 85 mg/l after the rehabilitation attempt.

In 2013 the Central Coast RWQCB issued Cleanup and Abatement Order R3-2013-0031 (CAO) to Mission Ranches and the Naraghi family requiring them to supply an interim and long-term uninterrupted replacement water supply for San Lucas. At this point Well 2 no longer produced potable water. Well 3 was drilled in 2014 by Mission Ranches Company LLC and the Naraghi family on the Las Colinas Ranch property and was operated by the District to supply interim water to the community. Well 3 met the intent of the CAO and served as the community's primary water source for a number of years.

In 2016 Well 3 began to show periodic spikes in nitrates above the MCL. Mission Ranches and the Naraghi family requested that the Wallace Group conduct a feasibility study to compare two alternatives for a long-term uninterrupted water supply for San Lucas. Such as study was referenced in a RWQCB letter to the "parties" dated June 2, 2022. The purpose of this report is to satisfy the requirements of that letter.

Alternatives for Comparison

This feasibility study compares the following two alternatives:

1. Transmission Line Alternative Project (District tank and distribution system modifications previously proposed by North Coast Engineering)
2. Wellhead Treatment using Ion Exchange

The following sections discuss each alternative in detail comparing capital costs, operational and maintenance costs, and the impact on customer water rates.

Alternative 1: Transmission Line

Background

In 2021 North Coast Engineering (NCE) proposed a nitrate dilution system, which they called a Storage Tank Nitrate Water Treatment System (STNWTS). The STNWTS is a relatively straightforward approach to mitigate nitrate spikes from Well 3. The proposed system bypasses the existing distribution system so elevated nitrate concentrations would not be directly served to the customers. Instead, raw water would be sent to the existing storage tank first to allow the nitrate spike to be buffered and diluted by the large tank volume. If nitrate concentrations in the storage tank exceeded the nitrate concentration alarm set point, high nitrate water would be prevented from being served to the users.

In January 2022 the RWQCB responded to the proposal saying that "it was premature to establish where the Transmission Line Alternative Project will provide a reliable long-term solution for nitrate exceedances" and requested additional technical details. These following sections provide additional technical details and capital costs associated with the STNWTS system.

NCE Design Description

The existing water distribution system bottom feeds the storage tank and supplies water to customers using a 6" distribution line that is connected to Well 3. With the current system design, in the event of a nitrate exceedance at the well head, both the



customers and the tank would be fed water with nitrates above the MCL. With the proposed alternative pipeline design, the District's existing water distribution system would be modified by disconnecting the 6" Well 3 supply line from the existing distribution system and installing a new 8" supply line plumbed directly to the water storage tank. With the proposed design, the 8" supply line would enter the existing water storage tank from the top and then reduce down to a 4" diameter pipe to increase the velocity flowing into the tank. This would aid in creating a mixing effect in the water storage tank and help dilute the nitrate spikes.

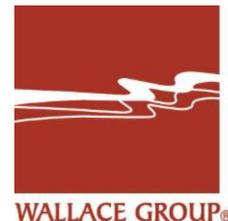
Based on weekly water quality data from the existing tank, nitrates have consistently and historically been below the MCL (NCE, 2021). From a regulatory perspective, in order to verify nitrates are below the MCL, an online nitrate monitoring analyzer would need to be installed at a sample port on the tank to provide continuous nitrate measurement and to notify the water system operator in the event nitrates exceed the MCL. If an MCL exceedance were to occur, the water supply would be shut off until a "Do Not Drink" posting was enacted in the community.

Additional water system improvements would be required for this alternative, including extending larger water distribution piping under the Union Pacific Railroad (UPRR) and installing new distribution piping along Cattleman Road to service existing users. In this report we are recommending an alternative that is similar in concept to the NCE design with the exception of a few modifications in pipe sizes and connection details. These changes are discussed in the next section.

Modifications to NCE's Design

In the design proposed by NCE, water was supplied to the fire hydrants along Cattleman Road directly from Well 3 using the existing 6" supply line. This design would require the well pump to provide fire flow solely without support from the water tank. Flows from the well pump would be in the range of 150 gpm based on the duty point of the pump (Attachment 1) and would likely not meet required fire flow requirements for Cattleman Road. We recommend changing the pipeline design to supply Cattleman Road hydrants from the existing water tank and a new 8" water main along Cattleman Road. Fire flow and line sizes will need to be calculated using a detailed water system model which is beyond the scope of this report. However, for the purposes of this report we have conservatively assumed a 8" water main will be required. Attachment 2 shows the proposed improvements by NCE with recommended modifications by Wallace Group (Fire service from Tank, and 8" waterline extension on Cattleman Road).

Another recommended modification to NCE's design is to the proposed tank feed line connection detail. Fire water storage volume may be affected by the STNWTS concept. First, the concept proposes to insert a minimum of 3 ft of 4" pipe into the storage tank through the top of the tank. This may reduce the operating volume of the storage tank as an air gap must be maintained between the bottom of the inlet pipe and the maximum water surface elevation of the tank. The height of the air gap must be at least twice the diameter of the pipe (4") entering the tank. This gap is typically set by tank design using an overflow pipe to set the maximum water surface of the tank and the elevation of the inlet pipe. By lowering the inlet pipe elevation this design may be removing 3'-8" (3 ft + 2x4") of operating height (volume) from the tank. These assumptions would need to be confirmed based on the height of the installed tank overflow line and fire storage requirements.



System Costs

The following tables provide a breakdown of capital costs for this alternative. O&M costs are not expected to increase based on this alternative.

Table 1. Capital Cost Estimate for Transmission Pipeline (STNWTS)

Line #	Item	Qty	\$/Unit	Cost (\$)
1	8" Tank Supply Line (C900 PVC CL200)	3,600 LF	180	\$648,000
2	8" Cattleman Rd Water Main Extension	1,450 LF	180	\$261,000
3	Jack and Bore (Union Pacific Railroad)	-	LS	\$150,000
Subtotal				\$1,059,000
4	Construction Contingency (20% of subtotal)			\$211,800
5	Soft Costs: Engineering, administration, construction management, inspections & permitting, excludes environmental (15% of Subtotal)			\$158,850
Total Project Cost				\$1,429,650

It should be noted that construction of the new 8" water main along Cattleman Road will require one bore beneath Union Pacific Rail Road (UPRR). There is no alternative to boring beneath UPRR except building a pipe bridge over the railroad – this analysis does not contemplate the pipe bridge alternative.

Conclusion and Recommendations

The STNWTS concept is a relatively straightforward means for mitigating intermittent high nitrate levels (i.e. above 10 mg/L for nitrate as nitrogen) in the water produced by Well 3. Assuming intermittent bottled water service is unacceptable, the efficacy and long-term reliability of the concept to provide potable water to the District system hinges on three parameters

1. The concentration of nitrate during the intermittent event
2. The amount of time the intermittent event lasts
3. The frequency of the intermittent event. If the concentrations increase during the event or the events last longer or become more frequent the concept efficacy and reliability are jeopardized.

The following are recommended as a part of moving forward if this alternative is chosen:

1. Implement online monitoring and electronic recording of Well 3 nitrate concentrations
 - a. This will aid in determining nitrate concentrations during intermittent events as well as the frequency and duration of the intermittent events
 - b. This will aid in determining if other relationships exist to the intermittent event (e.g. Salinas River flow rates/stages, Nacimiento and San Antonio reservoir releases, precipitation, drought, etc)
2. Determine to what extent, if any, fire water storage volume and fire flow rate along Cattleman is affected by the concept.
 - a. This will likely require constructing a water system model using computer software (e.g. WaterCAD).



- b. Rather than shutting off all flow from the tank in event of nitrate exceedance, a “Do not drink” order is issued, thus fire protection for the community is maintained.
- c. It is recommended that rather than maintaining the existing 6” connection and constructing a new 2” water line to provide fire flow and water service along Cattleman Road respectively, instead abandon the existing 6” connection and provide an 8” water line (along same alignment as NCE 2” line) to provide both water and fire service along Cattleman Rd.
- d. It is recommended that rather than installing 3 ft of 4” pipe into the storage tank, an elbow is installed on the discharge into the tank such that flow pours into the tank tangential to the tank wall, inducing mixing. This will minimize or eliminate the loss of fire water storage volume in the tank.

Alternative 2: Wellhead Treatment Using Ion Exchange

This alternative analyzes the cost of installing an ion exchange treatment system to remove nitrate from the source water (Well 3) before it is pumped to the District distribution system and water facilities.

Background

Based on available records, Well 3 was drilled in 2014 by Mission Ranches and originally produced acceptable water quality with no detectable nitrates. In 2016 nitrate concentrations above the MCL were observed with the highest level measured at 17 mg/L. The nitrate sampling frequency was increased to weekly, and it was observed that these concentration “spikes” were erratic, varying by month and year. Table 2 provides a summary of these samples showing the number of samples per year above the MCL and ½ the MCL for nitrate. For a more detailed analysis by month and tabulated water quality data from 2016-2021 see Attachment 3.

Table 2: Well #3 Number of Nitrate Samples Above the MCL by Year

Description	2016	2017	2018	2019	2020	2021
Number of Nitrate Samples Measured above the MCL	2	0	2	1	3	2
Number of Nitrate Samples Measured above ½ MCL	4	3	13	10	12	8

An analysis of the weekly nitrate samples shows that nitrate spikes above the MCL appear multiple times a year, with the highest frequencies typically in May – August, and the highest spike measured at 19.9 mg/L in 2021. It should be noted that there has not been a spike above the MCL in 2022 as of the date of this letter.

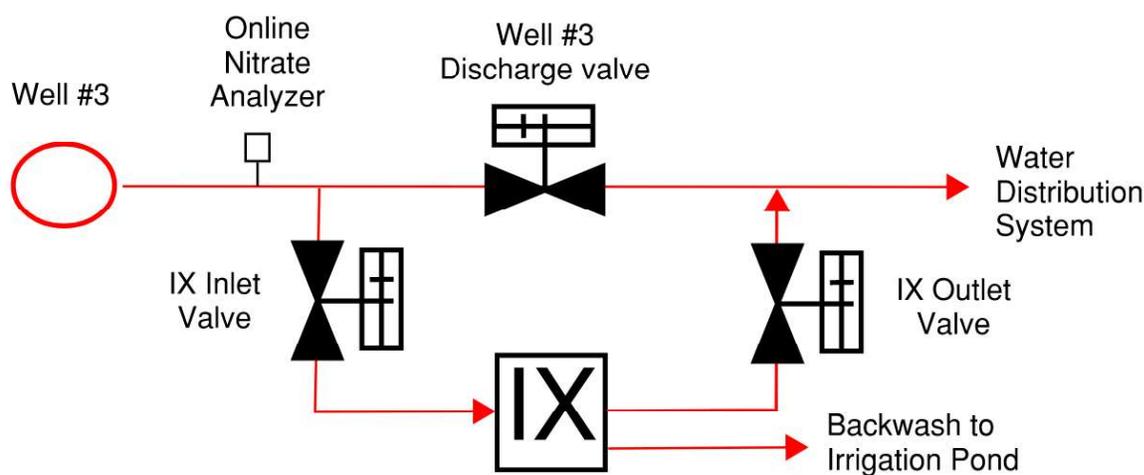
The frequency of these spikes above the MCL appears to remain fairly consistent with an average of 2 samples per year above the MCL, with the exception of 2017, 2019, 2020 which measured 0, 1, and 3 respectively. The duration of these spikes is not fully defined since sampling intervals are weekly, however it appears that longest spikes lasted approximately two weeks with elevated nitrate levels (½ the MCL) lasting as long as four weeks.



The cause of these spikes is still unknown, however data provided in previous correspondence to the RWQCB (Letter dated April 6, 2021 to Thea Tryon, Exhibit C), showed increased nitrate concentrations in Well 3 during months where water was flowing in the Salinas river due to Nacimiento Dam releases. Past groundwater studies conducted in the area (Pueblo Water Resources, Gus Yates et. all 2011) concluded that high level of nitrates in Well 2 were likely due to fertilizer application, however the study was inconclusive due to limited data provided on nitrogen application rates by the farm, and variable well data of the surrounding wells (depth screened interval etc.). However, the report did conclude that Well 2 experienced a nitrate increase of 13 mg/l year, 25 times the normal rate. The high rate of nitrate increases in Well 2 has not been observed in Well 3. Instead nitrate spikes seem to be correlated to dam releases rather than fertilizer application as previously discussed. Without further groundwater studies for Well 3, it is difficult to determine the cause of nitrate spikes. For this reason, and due to the intermittent nature of the nitrate spikes, we recommend a nitrate removal system that can selectively remove nitrate ions at the well head during these periods. This strategy will minimize any byproduct production and maximize filter media life, which in turn minimizes incremental operational costs. This can be accomplished using a nitrate selective ion exchange (IX) resin, an online nitrate sensor, and automated bypass valve connected to Well 3 discharge piping. The proposed system details are discussed in the next section.

System Description

The proposed IX system would only be used when nitrate levels in Well 3 reach a certain threshold such as 8 mg/l for nitrate as N, measured continuously, using an online nitrate analyzer connected to the well discharge line. The nitrate threshold would be lower than the MCL to account for calibration error and instrument accuracy for the specific equipment manufacturer. In the event nitrates exceed the threshold, the nitrate analyzer would send a signal to a controller that would open the supply valve to the IX and shut the valve for Well 3 discharge pipe. The system would run until nitrates fall below the set threshold or for the minimum IX equipment run-time, whichever is longer. A process flow path for the proposed system is shown below:





Process Flow Path Description

- Nitrate analyzer detects nitrate concentration above set threshold (8 mg/L assumed for this report)
- IX supply valve opens, well discharge valve shuts
- IX runs for specified interval (typically 1 week)
- After one week, If Nitrate analyzer detects a concentration of less than 8 mg/L,
 - Well discharge valve opens
 - IX supply valve shuts
 - Other water treatment process continues with IX bypassed
- IX backwashes to irrigation pond (as needed)

System Sizing

Well 3 is estimated to produce 150 gpm based on operator observations. An average day demand (ADD) of 133.7gpm for the water system was calculated using the following:

- Average Annual Demand: 17,569,640 gallons per year was calculated using the assumptions below
- Per Capita Demand: 88-gallon per capita day (gpcd) was used from previous reports (AMEC, 2015). This value was based on source water production records from 2006 through 2010. Current metered well data was not available at the time of this report.
- Population: 547 people. This includes 415 people from the 2020 census plus an additional 132 people is anticipated from a 33 Unit CHISPA project
- Design Average Day Demand (ADD): 48,136 gpd.

A Design Max Day Demand (MDD) of 96,272 gpd was calculated based on ADD of 48,136 and a peaking factor of 2. The existing 300,000-gallon water storage tank has adequate capacity to handle 3.1 days of MDD. Therefore, the treatment system will be sized to handle ADD or in this case the well production rate since it is higher than ADD.

System Installation

The IX system should be installed after the existing iron and manganese removal system and before the chlorination system. This will allow for the removal of iron and manganese before the IX system to prevent fouling of the media. Disinfection with chlorine should be done after the IX process to minimize media exposure to chlorine which can cause it to break down over time.



System Costs

The following tables provide a breakdown of capital and O&M costs for this alternative.

Table 3. Capital Cost Estimate for Ion Exchange

Line #	Item	Cost (\$)
1	AdEdge 150 gpm Nitrate Removal IX System	\$250,000
2	Nitrate Analyzer	\$20,000
3	Electrical and Controls	\$10,000
4	Piping & Valves	\$5,000
5	Site Work (Grading, concrete etc.)	\$10,000
	Subtotal	\$295,000
6	Construction Contingency (20% of subtotal)	\$59,000
7	Soft Costs: Engineering, administration, construction management, inspections & permitting, excludes environmental (15% of Subtotal)	\$44,250
	Total	\$398,250

Table 4. Annual O&M Cost Estimate for Ion Exchange

Line #	Item	Cost (\$)
1	O&M Charges (Materials & Chemicals)	\$500
2	IX Resin Replacement (Annualized) ¹	\$2,000
3	Brine Disposal (worst case, haul for disposal)	\$3,500
4	Utilities (Electricity) [§]	\$1,200
5	Operator Labor ²	\$5,000
6	Lab Sampling	\$5,000
	Subtotal	\$17,200
6	Water System Administration (10% of subtotal)	\$1,720
	Total	\$18,920
	Current Monthly Fee Per Connection	\$71
	Estimated Increase to Monthly Fee Per Connection	\$18
	Projected New Monthly Fee Per Connection	\$89

¹ Assumes a one-time \$20,000 resin replacement cost every 10 years

² Estimated costs based on anticipated runtime and assumed level of operator training. To be fine tuned

Operational costs were calculated assuming 210 hours per year of runtime. Runtime hours were calculated using a nitrate threshold of 8 mg/L, and average of 5 threshold exceedances per year based on historical data. For each exceedance, the ion exchange would run for one week during Well 3 daily pump time. It was assumed for these calculations that Well 3 runs for approximately 6 hours per day.



Brine Disposal

A monthly brine production rate of 1,134 gallons per month was calculated for this system. This assumes 210 hours per year of runtime per year and a 99% resin recovery rate. This is a conservative brine estimate, and it is likely this value will be lower since these calculations assumed that a threshold exceedance would last 7 days in the absence of more frequent sampling data. With an online nitrate analyzer, nitrate can be measured in real time allowing for shorter IX runtimes and less brine production.

Brine produced on site could be disposed of in one of three ways:

1. Blend with Mission Ranches Irrigation water and apply to crops. This would need to be further analyzed and updated in the Mission Ranches Irrigation and Nutrient Management plan and approved by the RWQCB. However, based on the conservative estimate for annual brine production in comparison to overall water usage for irrigation within the vicinity of the treatment system, it is safe to assume the increase in TDS and nitrate in the irrigation water would be negligible.
2. Evaporate in a lined pond. A preliminary estimate using conservative numbers indicates that a lined pond could potentially fit in the existing water treatment area near Well #2. Likely the existing pond would have to be expanded to create one larger pond for both IX and Iron and Manganese filter backwash. In order to accurately calculate pond sizing a water balance would have to be conducted looking at the design storm, local precipitation, and evaporation values.
3. Off-site disposal. Typical brine hauling costs range from \$0.20 - \$0.30/gal. Assuming \$0.25/gal this would equate to \$10,206 per year. This cost was used in the above O&M costs summary in Table 4 as a worst-case scenario to show that cost per connection would increase approximately \$20 if brine was hauled for disposal.

The brine disposal options listed above are listed in the order of most cost effective to least cost effective. For the purpose of comparison with Alternative 1, brine disposal option 3 was selected because it is the highest cost solution. If Alternative 2 is pursued, we recommend a more detailed analysis of brine disposal options be conducted to compare the potential O&M savings of building a brine evaporation pond or blending brine in the existing irrigation ponds. Option 1 is likely the lowest cost option but will require additional time and permitting costs to complete.

Conclusions and Recommendations

Based on the analysis provided in previous sections, Alternative 2 has the lowest capital costs and Alternative 1 has the lowest O&M cost for this project. However, in our view, comparing these two alternatives in terms of costs alone does not accurately represent the best solution for the parties involved for the following reasons:

1. The two alternatives fulfill different requirements. Alternative 1 is an interim solution that is dependent on nitrate concentrations remaining low enough to dilute throughout the year. In our opinion this alternative carries too much risk



for a variety of reasons discussed earlier in this report. Additionally, Alternative 1 does not provide any nitrate removal and is closer to a water system distribution improvement plan than a treatment system. Alternative 2 is a long-term solution that removes nitrate from the groundwater and better addresses the intent of the CAO.

2. The two alternatives will likely have different sources of funding depending on the responsible party completing them. Alternative 1 would likely qualify for the State Drinking Water System Revolving Funds (SDWSRF) if completed by the District but does may not qualify for SDWSRF if completed by Mission Ranches and the Naraghi family as a requirement of the CAO (See RWQCB Letter, June 2, 2022).

Alternative #2 is recommended for the following reasons:

1. Alternative 2 is the only alternative analyzed in this report that provides a long-term uninterrupted water source at a reasonable cost.
2. Alternative 2 directly address the nitrate issue by removing nitrates from the groundwater instead of diluting them. Alternative 2 is also less dependent on concentration and duration of nitrate spikes as the system would be designed to the highest nitrate concentration observed to date in Well 3. The system could be expanded in the case that Well 3 nitrates increase over time, whereas Alternative 1 would not have that flexibility.
3. Alternative 1 involves upgrading an existing water distribution system owned by the District. While we agree this is a good idea to improve system reliability and simplify sampling, it does not provide a long-term solution for nitrates in the groundwater. The scope of this alternative blurs the lines between responsible parties when it would be more appropriately completed by the District. As previously stated, if Alternative 1 is an improvement plan for the water distribution system and if implemented by the District, it will likely qualify for the SDWSRF. Based on previous correspondence with the RWQCB, Alternative 1 would not be eligible for SDWSRF if implemented by Mission Ranches or the Naraghi family because it would be part the cleanup and enforcement action.

AQUA ENGINEERING

Date: June 11, 2014

Contractors License #896064
 950 Mission Street P.O. Box 398
 San Miguel, Ca. 93451
 PH 805-238-1315 FX 805-467-9520

Customer: Mission Ranches
 Billing Address: 117 N First Street
 King City, CA 93930
 Telephone: (831) 970-6313
 Job Location: 8" Public Well

We thank you for your inquiry and are pleased to submit the following estimate for your consideration.

DESCRIPTION	
Pump: Model: 6CHC HP: 25 PH: 3 Voltage: 460 Capacity 250 GPM @ 270 T.D.H.	Included
Cable: Size: #6-4 Flat Jacketed Sub Cable Length: 300	Included
Drop Pipe: Type: Galv Size 3" Length: 84'	Included
Sanitary Seal: Size: 8X3	Included
Tank: Type: Size:	N/A
Fitting Package (pressure switch, gauge etc.) Well Head	Included
Meter Loop:	N/A
Safety Switch: Pumping Plant Panel	Included
Float Switch or other: None	N/A
Special Features:	
Sounding Tube with Stainless Steel strapping	Included
3" Ductile Iron Check Valve	Included

Note: No Backflow Prevention device included

Notes: No underground water, electrical or trenching included in this estimate.

Note:

Awalt & Son Aqua Engineering hereby offers to the person(s) whose name(s) are written above to provide and install at the location written above, and for the amounts set forth herein the above pump accessories and materials.

Total Price **\$14,733.18**

Owner's Signature: _____

THIS OFFER EXPIRES UNLESS ACCEPTED WITHIN 30 DAYS

This job will not be scheduled until this bid is signed and original copy returned with a check for \$0.00 . Balance to paid upon completion.

Finance Charges: The purchase/owner agrees to pay interest at the maximum rate allowed by law on all accounts past due.

Customer is responsible for insulating all pipes, pumps etc. against frost damage.

I accept the above offer and agree to its terms: _____



LEGEND

○	EXISTING FIRE HYDRANT
---	EXISTING TRANSMISSION LINE
---	EXISTING FILL LINE
---	PROPOSED WATERLINE
---	PROPOSED FILL LINE

- NOTES**
1. CATTLEMAN ROAD WATER
 2. 8" FILL LINE
 3. DISCONNECT EXISTING FILL LINE AND CAP
 4. CONNECT EXISTING SERVICE TO PROPOSED
 5. WATERLINE EXTENSION



**SAN LUCAS WATER DISTRICT
NITRATE WATER TREATMENT
ATTACHMENT 2**

8/30/2021

NCE
735 GRESTON ROAD, SUITE C
PASO ROBLES, CA
93253-3347

SEE SHEET 1
FOR CONTINUATION AND
LOCATION OF WELL

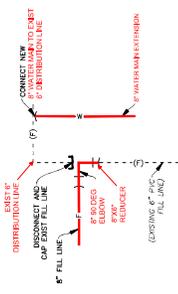
MODIFIED BY WALLACE GROUP
7/20/2022.

NOT FOR CONSTRUCTION

MIP IMAGECOPYRIGHT © LUIS SA 888-887

LEGEND

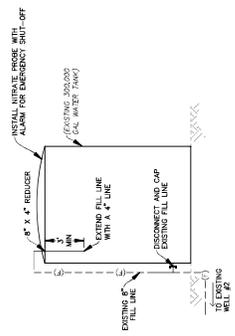
—	EXISTING FIRE HYDRANT
— (1) —	EXISTING TRANSMISSION LINE
— (2) —	EXISTING FILL LINE
— (3) —	EXISTING WATERLINE
— (4) —	PROPOSED WATERLINE
— (5) —	PROPOSED FILL LINE



DETAIL A
NTS



DETAIL B
NTS



DETAIL C
NTS

MODIFIED BY WALLACE GROUP
7/20/2022.
NOT FOR CONSTRUCTION

SAN LUCAS WATER DISTRICT
NITRATE WATER TREATMENT
ATTACHMENT 2
8/30/2021

NCE
NORTH COAST
725 GRESTON ROAD, SUITE C
PASO ROBLES, CA
93242-1141
805.233.1141

San Lucas Well #3: Nitrate Concentration by Month (2016-2021)

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2021 (Nitrate as N)					5, 5.9, 6.2		6.7	5.7, 8.5			18.6	19.9
2020 (Nitrate as N)					5	9.5, 10.3, 10.7	6.8, 7.5, 8.7, 10.4	5.5, 6.8, 8.1			14	
2019 (Nitrate as N)							5.8, 7.5, 7.6	5.2, 7.5, 8.6, 12.4	5.3	5.7, 6.3		
2018 (Nitrate as N)			5.7	6.2	11.1, 12.8	9.2, 9.9, 14.6	5.2, 8.3	8.8, 8.9	8.9	9		
2017 (Nitrate as N)				5.6	5.1, 8.6							
2016 (Nitrate as N)							17	9.2	13	9.2		

Water Quality Sampling Results

Analyte Number	Analyte Name	Sampling Date	Detected Level	MCL	Unit	Lab Sample ID	Lab
1040	NITRATE	12-31-2019		10	mg/L	92110061912310920N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-28-2021		10	mg/L	211228_16-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-28-2020		10	mg/L	92110062012280900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-28-2018		10	mg/L	92110061812281330N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-28-2017		10	mg/L	92110061712281100N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-28-2016		10	mg/L	92110061612281400N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	12-24-2019		10	mg/L	92110061912240915N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-22-2021	19.9	10	mg/L	211222_12-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-22-2020		10	mg/L	92110062012220855N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-22-2017		10	mg/L	92110061712221430N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-22-2016	4.7	10	mg/L	92110061612220915N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	12-19-2018		10	mg/L	92110061812191030N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-17-2021		10	mg/L	211217_39-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-17-2019		10	mg/L	92110061912170900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-15-2020	0.3	10	mg/L	92110062012150905N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-13-2016		10	mg/L	92110061612131345N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	12-12-2018		10	mg/L	92110061812121130N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-12-2017		10	mg/L	92110061712121300N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-10-2021	0.3	10	mg/L	211210_28-02	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-10-2019		10	mg/L	92110061912100830N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-08-2020	0.1	10	mg/L	92110062012080900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-07-2018		10	mg/L	92110061812071400N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-07-2017		10	mg/L	92110061712071600N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-07-2016		10	mg/L	92110061612070825N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	12-03-2021		10	mg/L	211203_24-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-03-2019		10	mg/L	92110061912030900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	12-01-2020		10	mg/L	92110062012010840N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-30-2016		10	mg/L	92110061611301400N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	11-28-2018		10	mg/L	92110061811281030N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-27-2017		10	mg/L	92110061711271230N	MONTEREY BAY ANALYTICAL SERVICES

1040	NITRATE	11-26-2019		10	mg/L	92110061911260900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-24-2020	0.2	10	mg/L	92110062011240830N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-23-2021	18.6	10	mg/L	211123_86-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-23-2018		10	mg/L	92110061811231300N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-22-2017		10	mg/L	92110061711221000N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-22-2016		10	mg/L	92110061611220840N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	11-19-2021	0.3	10	mg/L	211119_17-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-19-2019		10	mg/L	92110061911190840N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-17-2020	0.1	10	mg/L	92110062011170900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-16-2018		10	mg/L	92110061811161230N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-16-2017		10	mg/L	92110061711161230N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-16-2016		10	mg/L	92110061611161300N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	11-13-2020	14	10	mg/L	92110062011131300N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-12-2021		10	mg/L	211112_14-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-12-2019	0.4	10	mg/L	92110061911120915N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-10-2017		10	mg/L	92110061711101430N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-09-2018		10	mg/L	92110061811091300N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-05-2021		10	mg/L	211105_24-02	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-05-2019	1.2	10	mg/L	92110061911050920N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	11-03-2020	1.3	10	mg/L	92110062011030840N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-30-2018	9	10	mg/L	92110061810301330N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-29-2021	0.5	10	mg/L	211029_46-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-29-2019	2.6	10	mg/L	92110061910290915N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-28-2020	3.8	10	mg/L	92110062010280900N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-27-2016	9.2	10	mg/L	92110061610270900N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	10-25-2018		10	mg/L	92110061810251315N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-25-2017		10	mg/L	92110061710250910N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	10-22-2021	4.7	10	mg/L	211022_38-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-22-2019	2.7	10	mg/L	92110061910220920N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-19-2018		10	mg/L	92110061810191330N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-19-2017		10	mg/L	92110061710190840N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040	NITRATE	10-15-2021	4.9	10	mg/L	211015_19-01	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-15-2019	5.7	10	mg/L	92110061910151000N	MONTEREY BAY ANALYTICAL SERVICES
1040	NITRATE	10-13-2020	2.2	10	mg/L	92110062010130845N	MONTEREY BAY ANALYTICAL SERVICES

1040 NITRATE	10-12-2018	10 mg/L	92110061810121400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-12-2017	1.7	92110061710120810N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	10-08-2021	4.9	211008_26-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-08-2019	6.3	92110061910080930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-06-2020	3.9	92110062010060855N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-05-2018	0.4	92110061810051315N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-01-2021	4.4	211001_16-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	10-01-2019	3.7	92110061910010930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-29-2020	4.4	92110062009290910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-28-2017	0.6	92110061709280830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	09-27-2018	0.6	92110061809271300N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-24-2021	2.1	210924_28-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-24-2019	5.3	92110061909240940N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-22-2020	4.2	92110062009220850N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-21-2018	4	92110061809211200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-21-2017	0.55	92110061709210805N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	09-21-2016	13	92110061609211245N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	09-17-2019	3.3	92110061909171000N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-15-2020	3.2	92110062009150845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-14-2021	2.1	210914_36-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-14-2018	8.9	92110061809141330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-14-2017	0.99	92110061709140815N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	09-10-2019	3.8	92110061909100920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-08-2020	0.8	92110062009080845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-07-2021	3.6	210907_36-02	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-07-2018	10 mg/L	92110061809071330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-07-2017	10 mg/L	92110061709070845N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	09-03-2019	2.2	92110061909030915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	09-02-2020	4.2	92110062009020825N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-31-2021	5.7	210831_16-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-30-2018	3	92110061808301400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-30-2017	10 mg/L	92110061708300845N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	08-27-2019	12.4	92110061908270910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-25-2020	4.9	92110062008250845N	MONTEREY BAY ANALYTICAL SERVICES

1040 NITRATE	08-24-2021	2.4	10 mg/L	210824_35-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-24-2018	0.1	10 mg/L	92110061808241230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-24-2017	2.3	10 mg/L	92110061708240900N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	08-20-2019	8.6	10 mg/L	92110061908200920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-18-2020	5.5	10 mg/L	92110062008180845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-18-2016	9.2	10 mg/L	92110061608180920N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	08-17-2021	1.9	10 mg/L	210817_56-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-16-2018	8.9	10 mg/L	92110061808161200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-16-2017	2.6	10 mg/L	92110061708161330N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	08-13-2019	5.2	10 mg/L	92110061908130900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-11-2020	6.8	10 mg/L	92110062008110840N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-10-2021		10 mg/L	210810_32-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-10-2018	8.8	10 mg/L	92110061808101400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-10-2017		10 mg/L	92110061708100850N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	08-06-2019	7.5	10 mg/L	92110061908060910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-04-2020	8.1	10 mg/L	92110062008040845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-03-2021	8.5	10 mg/L	210803_54-02	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	08-03-2017	4	10 mg/L	92110061708030855N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-30-2019	2.4	10 mg/L	92110061907300915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-30-2018	4.3	10 mg/L	92110061807301300N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-27-2021	6.7	10 mg/L	92110062107270955N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-27-2020	0.2	10 mg/L	92110062007270830N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-27-2017	3.6	10 mg/L	92110061707270900N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-23-2019	5.8	10 mg/L	92110061907231000N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-21-2021	1.7	10 mg/L	92110062107211200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-21-2020	7.5	10 mg/L	92110062007210900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-20-2017	4.6	10 mg/L	92110061707200820N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-20-2016	17	10 mg/L	92110061607201210N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-18-2018	0.4	10 mg/L	92110061807181400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-17-2019	2.3	10 mg/L	92110061907171130N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-14-2020	8.7	10 mg/L	92110062007140825N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-13-2021	2.3	10 mg/L	92110062107131330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-13-2017	1.4	10 mg/L	92110061707130820N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-12-2018	5.2	10 mg/L	92110061807121145N	MONTEREY BAY ANALYTICAL SERVICES

1040 NITRATE	07-09-2019	7.5	10 mg/L	92110061907091015N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-07-2020	10.4	10 mg/L	92110062007070840N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-06-2021	2.1	10 mg/L	92110062107061330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-06-2017	3.5	10 mg/L	92110061707060850N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	07-05-2018	8.3	10 mg/L	92110061807051200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-02-2020	6.8	10 mg/L	92110062007020845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	07-02-2019	7.6	10 mg/L	92110061907020925N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-29-2017		10 mg/L	92110061706290810N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	06-25-2019	2.3	10 mg/L	92110061906250910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-25-2018		10 mg/L	92110061806251215N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-23-2020	3.4	10 mg/L	92110062006230840N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-22-2021	1.9	10 mg/L	92110062106221020N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-22-2017	3.5	10 mg/L	92110061706220830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	06-21-2018	9.9	10 mg/L	92110061806211230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-18-2021	0.3	10 mg/L	92110062106181200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-18-2019	3.5	10 mg/L	92110061906180915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-16-2020	9.5	10 mg/L	92110062006160855N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-15-2017	3.8	10 mg/L	92110061706150825N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	06-12-2019	3.3	10 mg/L	92110061906120940N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-12-2018	14.6	10 mg/L	92110061806121000N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-09-2020	10.7	10 mg/L	92110062006090850N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-08-2021	2.1	10 mg/L	92110062106081120N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-08-2018	9.2	10 mg/L	92110061806081330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-08-2017	4.2	10 mg/L	92110061706080810N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	06-08-2016	0.56	10 mg/L	92110061606081300N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	06-04-2019	4.1	10 mg/L	92110061906040945N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-02-2020	10.3	10 mg/L	92110062006020915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-01-2021	2.1	10 mg/L	92110062106011110N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	06-01-2017	3.8	10 mg/L	92110061706010830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	05-31-2018	11.1	10 mg/L	92110061805311200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-29-2019	3.7	10 mg/L	92110061905290920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-26-2020	3.2	10 mg/L	92110062005260900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-25-2021	5.9	10 mg/L	92110062105251230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-25-2017	8.6	10 mg/L	92110061705250840N	ALPHA ANALYTICAL LABORATORIES UKIAH

1040 NITRATE	05-24-2018	12.8	10 mg/L	92110061805241515N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-21-2019		10 mg/L	92110061905210925N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-19-2020	5.8	10 mg/L	92110062005190900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-18-2018	4.3	10 mg/L	92110061805181400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-18-2017	3.8	10 mg/L	92110061705180900N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	05-14-2019	1.8	10 mg/L	92110061905140925N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-12-2020	1.7	10 mg/L	92110062005120905N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-11-2021	6.2	10 mg/L	92110062105111215N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-11-2017	5.1	10 mg/L	92110061705110810N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	05-11-2016		10 mg/L	92110061605111300N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	05-10-2018	2	10 mg/L	92110061805101300N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-07-2019	4.7	10 mg/L	92110061905070930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-05-2020	4.2	10 mg/L	92110062005050840N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-04-2021	5	10 mg/L	92110062105041200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-04-2018	0.7	10 mg/L	92110061805041100N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	05-04-2017		10 mg/L	92110061705040830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	05-03-2019	3.4	10 mg/L	92110061905031230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-28-2020	4	10 mg/L	92110062004280900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-27-2021	1.1	10 mg/L	92110062104271240N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-27-2017	5.6	10 mg/L	92110061704270840N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	04-23-2019	3.1	10 mg/L	92110061904230920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-21-2020	0.7	10 mg/L	92110062004210935N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-20-2021	0.4	10 mg/L	92110062104201115N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-20-2018	6.2	10 mg/L	92110061804201230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-20-2017	0.75	10 mg/L	92110061704200910N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	04-16-2019	3.3	10 mg/L	92110061904160915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-14-2020	0.2	10 mg/L	92110062004140900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-13-2021	1.4	10 mg/L	92110062104131330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-13-2021	1.3	10 mg/L	92110062104131335N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-13-2017	0.78	10 mg/L	92110061704130820N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	04-11-2018	4.8	10 mg/L	92110061804111030N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-11-2016		10 mg/L	92110061604111300N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	04-09-2019	1.1	10 mg/L	92110061904090930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-07-2020		10 mg/L	92110062004070910N	MONTEREY BAY ANALYTICAL SERVICES

1040 NITRATE	04-06-2018	10 mg/L	92110061804061200N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	04-06-2017	1.4	92110061704060825N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	04-02-2019	0.6	92110061904020900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-31-2020		92110062003310920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-30-2021	3.4	92110062103301100N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-30-2017		92110061703300830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	03-29-2018	5.7	92110061803291230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-26-2019	0.5	92110061903260930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-24-2020		92110062003240910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-23-2021	1.4	92110062103231115N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-20-2018		92110061803201100N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-20-2017		92110061703201430N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	03-17-2020		92110062003170920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-17-2016		92110061603170840N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	03-16-2021	0.3	92110062103161130N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-16-2017		92110061703160820N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	03-15-2018		92110061803151300N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-12-2019		92110061903120845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-10-2020	1.6	92110062003100920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-09-2021	1.6	92110062103090930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-09-2018		92110061803091400N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-08-2017	3	92110061703080910N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	03-05-2019		92110061903050800N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-04-2022		220304_33-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-03-2020	2.5	92110062003030900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-02-2021	0.5	92110062103021000N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	03-02-2017		92110061703020850N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	02-26-2019		92110061902260900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-25-2022		220225_26-04	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-25-2020	0.1	92110062002250900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-23-2021		92110062102230940N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-22-2018		92110061802221230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-22-2016		92110061602221425N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	02-21-2017	2.3	92110061702211510N	ALPHA ANALYTICAL LABORATORIES UKIAH

1040 NITRATE	02-19-2019	10 mg/L	92110061902190910N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-18-2022	10 mg/L	220218_07-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-18-2020	0.3	92110062002180915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-16-2021	10 mg/L	92110062102160830N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-16-2018	10 mg/L	92110061802161100N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-14-2017	10 mg/L	92110061702141430N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	02-12-2019	10 mg/L	92110061902120900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-11-2020	0.2	92110062002110915N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-10-2022	0.3	220210_42-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-09-2021	0.1	92110062102090900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-08-2018	10 mg/L	92110061802081300N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-08-2017	2.7	92110061702081250N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	02-05-2019	10 mg/L	92110061902050930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-04-2020	0.2	92110062002040920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-02-2021	0.2	92110062102020900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	02-01-2018	10 mg/L	92110061802011130N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-31-2017	10 mg/L	92110061701310900N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	01-30-2019	10 mg/L	92110061901300930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-28-2022	10 mg/L	220128_20-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-28-2020	10 mg/L	92110062001280930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-26-2021	0.9	92110062101261015N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-25-2017	4.5	92110061701250830N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	01-24-2018	10 mg/L	92110061801241330N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-22-2019	10 mg/L	92110061901220900N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-21-2020	10 mg/L	92110062001210830N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-19-2021	1.5	92110062101190920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-19-2018	10 mg/L	92110061801191230N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-18-2022	10 mg/L	220118_61-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-17-2017	10 mg/L	92110061701171330N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	01-15-2019	10 mg/L	92110061901150845N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-14-2022	10 mg/L	220114_10-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-14-2020	10 mg/L	92110062001140920N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-13-2016	10 mg/L	92110061601130920N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	01-12-2021	10 mg/L	92110062101120855N	MONTEREY BAY ANALYTICAL SERVICES

1040 NITRATE	01-12-2018		10 mg/L	92110061801121145N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-12-2017	4.6	10 mg/L	92110061701120840N	ALPHA ANALYTICAL LABORATORIES UKIAH
1040 NITRATE	01-08-2019		10 mg/L	92110061901080830N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-07-2022		10 mg/L	220107_23-01	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-07-2020		10 mg/L	92110062001070850N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-05-2021		10 mg/L	92110062101050930N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-04-2018		10 mg/L	92110061801041045N	MONTEREY BAY ANALYTICAL SERVICES
1040 NITRATE	01-02-2019		10 mg/L	92110061901021215N	MONTEREY BAY ANALYTICAL SERVICES