County of Monterey

Thyme Room
1441 Schilling Place, 2nd Floor
Salinas, Ca 93901

Meeting Agenda

Thursday, November 20, 2025

10:30 AM

Thyme Room 1441 Schilling Pl. 2nd Fl., Salinas, Ca 93901 Monterey County District 3(Conference Room) to host the public and participate via Zoom: 1011 Broadway ST., STE. C, King City, Ca 93930.

Joint Water Resources/Board of Supervisors Leadership Committee

To participate in this Joint Water Resources/Board of Supervisors Leadership Committee meeting through the following methods:

1. You may attend in person,

2. For ZOOM participation please join by computer audio at:
https://montereycty.zoom.us/j/93517505505
OR to participate by phone call any of these numbers below:
+1 669 900 6833 US (San Jose)
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+1 253 215 8782 US
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3. Enter this Meeting ID number: 935 1750 5505. Please note there is no Participant Code, you will just hit # again after the recording prompts you. You will be placed in the meeting as an attendee; when you are ready to make a public comment if joined by computer audio please Raise your Hand; and by phone please push *9 on your keypad.

PLEASE NOTE: IF ALL BOARD MEMBERS ARE PRESENT IN PERSON, PUBLIC PARTICIPATION BY ZOOM IS FOR CONVENIENCE ONLY AND IS NOT REQUIRED BY LAW. IF THE ZOOM FEED IS LOST FOR ANY REASON, THE JOINT WATER RESOURCES/BOARD OF SUPERVISORS LEADERSHIP COMMITTEE MEETING MAY BE PAUSED WHILE A FIX IS ATTEMPTED BUT THE MEETING MAY CONTINUE AT THE DISCRETION OF THE CHAIRPERSON.

4. If you choose not to attend the Board meeting but wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Friday before the meeting. Please submit your comment to the Secretary of the Board at WRApubliccomment@countyofmonterey.gov mail to:WRApubliccomment@countyofmonterey.gov In an effort to assist the Secretary in identifying the agenda item relating to your public comment please indicate in the Subject Line, the meeting body (i.e. Board of Directors Agenda) and item number (i.e. Item No. 10). Your comment will be placed into the record at the Board meeting.

Participar en esta reunión conjunta del Comité de Liderazgo de Recursos Hídricos / Junta de Supervisores a través de lo siguiente métodos:

1. Puede asistir en persona,

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Call to Order

Roll Call

Public Comment

Approval of Action Minutes

1. Approve the Action Minutes of July 17, 2025.

Attachments: draft JBL Minutes July 17, 2025

Regular Agenda

2. Receive an update on the Recycled Water Projects and provide direction to staff as appropriate. (Presenter: Pete Vannerus)

Attachments: WRA Recycled Water Projects Update

3. Receive an update on Dam Safety Repairs and Financing and provide direction to staff as appropriate. (Presenter: Elise Harden, Mark Foxworthy, and Ara Azhderian)

Attachments: Dam Safety Projects San Antonio

4. Receive an update on the Salinas River Operations Habitat Conservation Plan (HCP) and provide direction to staff as appropriate. (Presenter: Jason Demers)

Attachments: Salinas River Operations HCP Update

5. Receive an update on the MCWRA activities related to the Salinas Valley Basin Groundwater Sustainability Agency's (SVBGSA) Subgrant Agreements and provide direction to staff as appropriate. (Presenter: Shaunna Murray)

Attachments: SVBGSA Subgrant Projects PPT

Committee Member Comments

Adjournment

County of Monterey

Board Report

Legistar File Number: JBL 25-023

Item No.1

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

November 20, 2025

Introduced: 9/8/2025
Version: 1

Current Status: Agenda Ready
Matter Type: Joint Board Leadership

Approve the Action Minutes of July 17, 2025.

County of Monterey

Thyme Room
1441 Schilling Place, 2nd Floor
Salinas, Ca 93901

Meeting Minutes

Thursday, July 17, 2025

10:30 AM

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and participate via Zoom: 1011 Broadway St, STE.C, King City, Ca. 93930

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Call to Order

The meeting was called to order at 10:32 a.m.

Roll Call

Present: Supervisor Glenn Church, Supervisor Chris Lopez, Director Mike LeBarre, Director Matt

Simis
Absent: None

Public Comment

None

Approval of Action Minutes

Upon Motion by Director Matt Simis and Second by Director Mike LeBarre the Committee approved the Action Minutes.

Ayes: Supervisor Glenn Church, Supervisor Chris Lopez, Director Matt Simis, Director Mike LeBarre
Noes: None
Absent: None
Abstained: None

1. Approve the Action Minutes of June 23, 2025.

Attachments: draft JBL Minutes June 23, 2025

Regular Agenda

2. Receive an update on the Dam Safety and Operations Financial Workshop held on July 9, 2025. (Staff Presenting: Ara Azhderian)

Attachments: HBA Update Report Final April 2025
Economic Benefits MCWRA Investments Water Projects SV
Draft ILT and SA Spillway Modification Engineers Report (1)

Committee Member Comments: Supervisor Glenn Church, Director Mike LeBarre, Supervisor Chris Lopez
Staff Comments: Elise Harden
Public Comment: None

3. Receive an update on Agency's Grazing Leases and provide direction to staff as appropriate. (Staff Presenting: Jason Demers)

Committee Member Comments: Supervisor Glenn Church, Supervisor Chris Lopez
Staff Comments: Ara Azhderian, Jason Demers
Public Comment: None

4. Receive an update on the Castroville Seawater Intrusion Project (CSIP) Well Construction Funding and provide direction to staff as appropriate. (Staff Presenting: Amy Woodrow & Peter Vannerus)

Committee Member Comments: Director Matt Simis, Director Mike LeBarre, Supervisor Chris Lopez
Staff Comments: Ara Azhderian
Public Comment: None

5. Receive an update on the Nacimiento and San Antonio Reservoirs Mussel Prevention Program. (Staff Presenting: Amy Woodrow, Ara Azhderian)

Committee Member Comments: Supervisor Glenn Church, Supervisor Chris Lopez, Director Mike LeBarre,
Staff Comments: Kelly Donlon, Peter Vannerus
Public Comment: None

Committee Member Comments

None

Adjournment

The meeting adjourned at 11:43 p.m.

County of Monterey

Board Report

Legistar File Number: JBL 25-022

Item No.2

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

November 20, 2025

Introduced: 9/8/2025
Version: 1

Current Status: Agenda Ready
Matter Type: Joint Board Leadership

Receive an update on the Recycled Water Projects and provide direction to staff as appropriate.
(Presenter: Pete Vannerus)

Monterey County Water Resources Agency

Recycled Water Projects Update

November 20th, 2025

CSIP Condition Assessment Project & Master Plan

- **Work began in November 2024 for a Phased Condition Assessment for the CSIP system**
- **Phase 1 (Complete)**
  - Prioritizing and evaluating the critical infrastructure
  - Planning for thorough & strategic in-field condition assessments
  - Maintenance plan, repairs, and record review; database, asset management and documentation creation assistance
- **Phase 2A (Amendment completed & kickoff began Oct 21st)**
  - Finalization of inspection plans for implementation with accurate cost estimates for field activities for Ph 2B
  - Support for addressing data gaps from Ph 1
- **Phase 2B (To contract once 2A is complete)**
  - Funding dependent field condition assessments of priority WRA CSIP assets
- **Condition Assessments critical to support the CSIP Master Plan effort which can not proceed**

Salinas Valley Reclamation Project- 21kV Switchgear

21kV Switchgear Replacement Design Project

- 21kV switchgear is the main electrical gear that provides electrical power to SVRP
  - If switchgear goes down or fails, SVRP will be inoperable for an unknown amount of time
  - Estimates for replacement have ranged from 3-10 million
- M1W leading the project to develop the replacement plans and finalize the cost for project implementation
- Now in contract and 60% Design has been completed
  - Current project plan is estimated to cost 5-7 million over 3 years
- Contractor will take design to 100% but will hold off on preparing Request for Bids until project funding is secured
  - 100% designs estimated to be completed near the end of November 2025

CSIP Hydraulic Model & Optimization Project

Hydraulic Modelling Project for Pipeline and Distribution System

- Updated to a new modeling format and added calibration efforts to improve on the old system model
- With the revised Model, usage scenarios were modeled to determine system capacities and flow limits
  - Technical Memorandum has been finalized with results and summary
- Optimization projects were reviewed to address the system limitations
  - Three Capital Improvement projects proposed and initial designs have been completed
    - In-system storage tanks for source/volume supply for high demand periods- Est. Cost 33 Million
    - Second pond outlet pipeline to provide a secondary river crossing- Est. Cost 25 Million
    - Check valve in CSIP line FF0 loop to assist in Espinosa Booster Station optimization- Est. Cost $640,000

Recycled Water Usage Permit Migration & Title 22 Engineering Report

- Existing CSIP RW Usage permit (WDR 97-52) from RWQCB was reviewed by Control Board staff and a migration to a new General Water Order for Recycled water usage is required
- Draft Revised T22 Engineering Report and Notice of Intent submitted to RWQCB in May
- Division of Drinking Water (DDW) has completed reviewing
- RWQCB currently reviewing documents
- Comments will be submitted back to Agency and pathway to new order will be laid out with revisions, additions, etc.

RW Usage Permit Migration & Title 22 Engineering Report- cont.

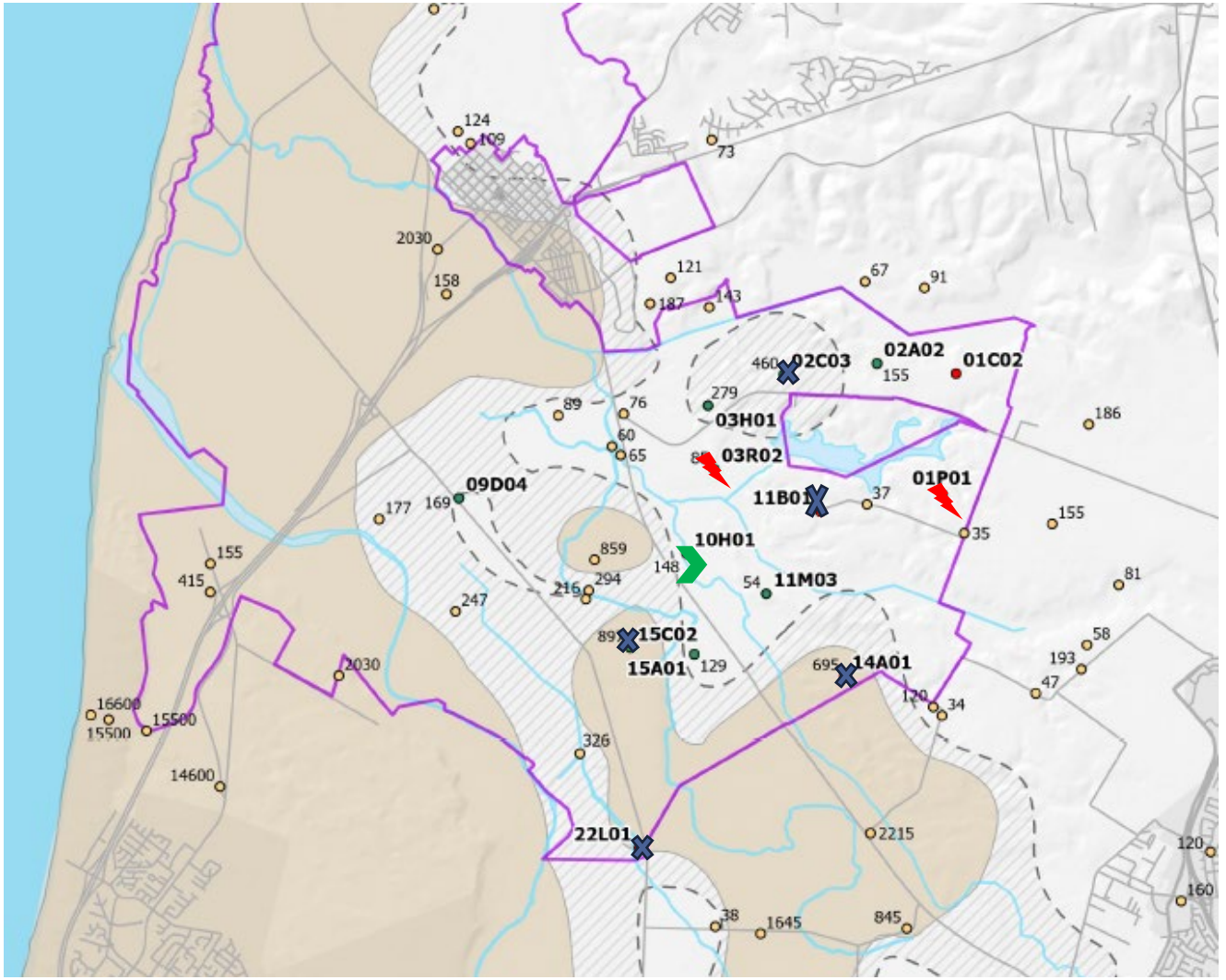
- **Addressing updates in RW usage requirements since CSIP commencement ~ 30yr ago**
  - Installing new compliant labels and signs throughout usage area and on turnouts/ RW access points
  - Creating RW User Handbook for compliance and trainings for users
  - Drafting an updated CSIP Ordinance to comply with updated requirements and regulations

CSIP Seawater Intrusion Map & Well Status

- Destroyed
- Offline-TBR
- Offline-TBD

CSIP Supplemental Wells:

- 6 Operational
- 2 Destroyed recently
- 2 Offline for issues **(TBD -To Be Determined)**
- 1 Offline for repairs **(TBR- To Be Repaired)**
- 11 wells destroyed in past years



Important Notes:

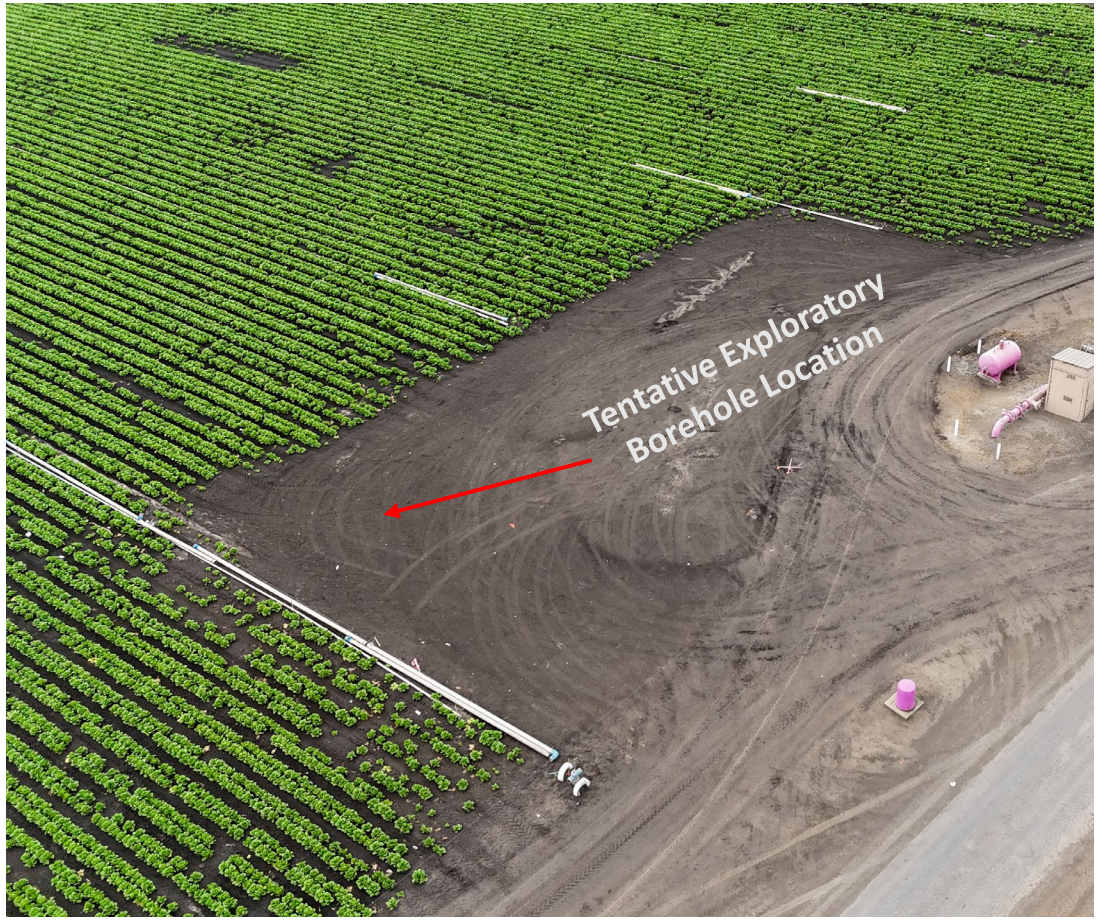
- WQ values on map are the average of two WQ samples taken in June and August
- Well 02C03 average for year is 460mg/L but last sample taken had a value of 502mg/L
- Tan outline is projected exceedance of 500mg/L of Cl threshold
- Dashed outline is 250mg/L of Cl

CSIP Supplemental Well Replacement Project

- **Replacement Well 11B02**
- Partially Federal Grant funded project to replace a structurally compromised well in the CSIP Distribution system
  - Currently evaluating funding solutions for difference of total project cost to grant reimbursement amount (currently $600k difference)
- Federal Funding Status:
  - Environmental Impact Analysis underway for NEPA
    - Finalizing Tribal Consultation Process to comply with AB52 requirements
  - Grant agreement to follow once CEQA/NEPA complete

CSIP Well Replacement Project Support

- **<u>Data collection effort for 11B02 Final Well Design- Completed in October</u>**
- Onboarded Hydrogeologist consultant tasked:
  - Complete an exploratory borehole at the site
  - Collect geophysical and geological data from borehole surveys and cutting analysis
  - Assist Agency in Final Well Design ahead of Replacement Well Project with data analysis complete
  - Currently evaluating collected data to revise and finalize Well Design
- Benefits:
  - Expedited final well project
    - Materials will be preordered and delivered for construction
  - Cost savings with less standby time and smooth transitions in steps, less stops
  - Remove uncertainties in final well project such as completed depth, perforated intervals, and final cost



Conclusion

- Questions?

County of Monterey

Board Report

Legistar File Number: JBL 25-019

Item No.3

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

November 20, 2025

Introduced: 9/8/2025
Version: 1

Current Status: Agenda Ready
Matter Type: Joint Board Leadership

Receive an update on Dam Safety Repairs and Financing and provide direction to staff as appropriate. (Presenter: Elise Harden, Mark Foxworthy, and Ara Azhderian)


MONTEREY COUNTY WATER RESOURCES AGENCY
1947

Dam Safety Projects San Antonio

San Antonio Dam Safety Projects

Project Schedule		Total Subproject Costs, 2023 Dollars	Total Subproject Costs, 2025 Dollars	Covered by Grants	Unfunded Need (2025)
San Antonio Subpojects					
1	Spillway Replacement	$ 76,776,780	$ 82,384,434	$ 3,800,000	$ 78,584,434
2	Butterfly Valve Hydraulic Operator Upgrade	$ 745,790	$ 800,261	$ 414,500	$ 385,761
3	Replace Intake Structure Bulkhead Gate	$ 409,810	$ 439,742	$ 448,000	$ -
4	Low Level Discharge Valve Maintenance	$ 279,270	$ 299,667	$ 305,000	$ -
5	Replace Combination Air Release Vacuum Valves	$ 241,820	$ 259,482	$ 219,200	$ 40,282
6	Install Access Hatch in Low Level Outlet Works Conduit	$ 780,030	$ 837,002	$ 348,600	$ 488,402
7	Replace Intake Structure Trash Racks	$ 1,002,590	$ 1,075,818	$ 278,750	$ 797,068
8	Interior and Exterior Paint of Low-Level Outlet Works Conduit	$ 4,579,600	$ 4,914,087	$ -	$ 4,914,087
9	Horizontal Drain Repair	$ 544,630	$ 584,409	$ 606,000	$ -
10	Toe Drain Repair	$ 272,850	$ 292,779	$ -	$ 292,779
11	Abutment Drain Repair	$ 680,520	$ 730,224	$ -	$ 730,224
12	New Piezometers	$ 1,898,180	$ 2,036,820	$ -	$ 2,036,820
13	Road Pavement Repair	$ 680,520	$ 730,224	$ -	$ 730,224
14	New Access Road	$ 3,787,800	$ 4,064,455	$ -	$ 4,064,455
15	Install Boat Barrier Buoy Line and Replace Spillway Log Boom	$ 544,630	$ 584,409	$ -	$ 584,409
San Antonio Total		**$ 93,224,820**	**$ 100,033,813**	**$ 6,420,050**	**$ 93,648,944**

SB104
(DWR Grant Agreement – San Antonio ONLY)

San Antonio Spillway Replacement Project

1. Project completion extension granted to December 2031
2. Currently finalizing the Probable Maximum Flood (PMF) & Alternatives Analysis Report
3. Environmental analysis initiated 2025
4. Begin 30% End of 2025

NOTE: Estimate $77 million

San Antonio Spillway Replacement Project
TIMELINE

- "Project Construction" includes project float
- Subject to DSOD review & approval
- Subject to permitting
- Subject to construction funding
- Schedule as of 9/10/25

	Task Mode	Task Name	Start	Finish
0		**San Antonio Spillway Project**	**Wed 9/18/24**	**Wed 12/31/31**
1		PMF Update	Wed 9/18/24	Wed 10/1/25
2		DSOD Meeting	Wed 7/2/25	Wed 7/2/25
3		SASP PMF Resubmittal DELAY	Mon 5/19/25	Wed 10/1/25
4		DSOD PMF REVIEW Updated	Wed 10/1/25	Mon 12/1/25
5		SASP Alternatives Analysis	Mon 5/19/25	Wed 10/15/25
6		DSOD Alt Analysis Resubmittal	Wed 10/15/25	Mon 12/15/25
7		SASP 30% DSOD Design	Sun 11/30/25	Tue 12/30/25
8		30% Updated DSOD Submittal	Thu 1/1/26	Fri 4/3/26
9		MCWRA Revisions	Sat 4/4/26	Mon 5/4/26
10		SASP 60% DSOD Design Review	Tue 5/5/26	Wed 8/5/26
11		MCWRA Revisions	Sun 8/30/26	Tue 10/6/26
12		SASP 90% DSOD Design Review	Thu 10/15/26	Fri 1/15/27
13		MCWRA Revisions	Sun 1/31/27	Wed 3/3/27
14		SASP 100% DSOD Design Review	Mon 5/31/27	Sun 8/1/27
15		Project Construction	Sun 8/1/27	Wed 12/31/31

San Antonio Dam
Low Level Outlet Works (LLOW)

1. Boat Barrier Buoy Line Installation
2. Intake Structure Bulkhead Gate Replacement
3. Penstock Access Hatch
4. Butterfly Hydraulic Operator Upgrade
5. Intake Structure Trash Rack Replacement
6. Combination Air Release Vacuum Valves (6) replacements
7. Low Level Discharge Valve Assessment and Servicing
8. Penstock Recoating (downstream of BV)

NOTE: LLOW Combined Estimate $8 million

LLOW Intake 2015

San Antonio Dam Safety Projects

New Piezometers & Drains (Toe and Abutment):

SA contains all original monitoring instrumentation. Annually, the Agency is required to report bi-monthly readings of all instrumentation to DSOD for submission and review via the Annual Instrumentation Performance Report. Some piezometers have been requested to be investigated and repaired by DSOD. The costs associated with these projects includes condition assessments and repairs/replacements.

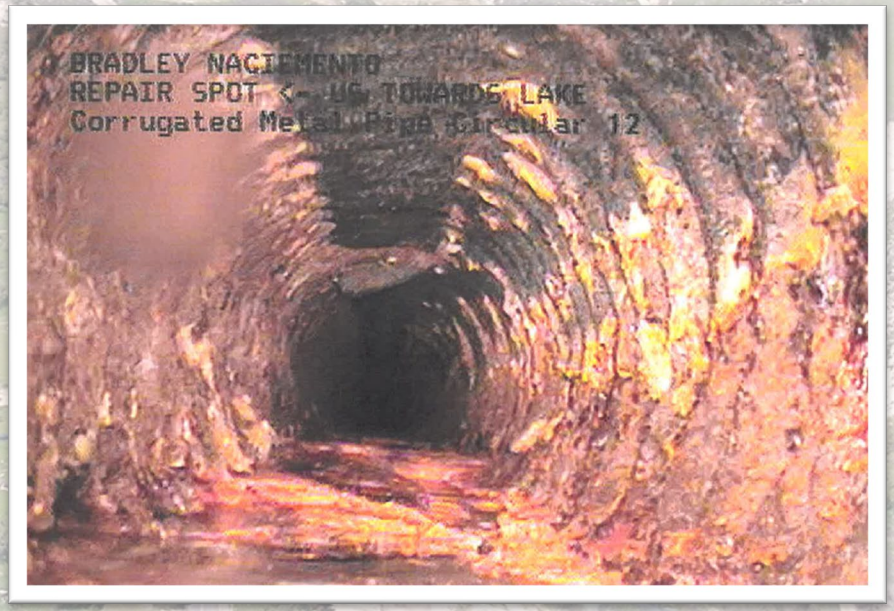
Note: Estimate $1.9 million

San Antonio Dam Safety Projects

12” Horizontal Drain Repair

A 130 foot 12” CMP horizontal drain runs adjacent to the LLOW tunnel at the toe of the dam. The original pipe is deteriorated and is in need of repair/replacement. The repair will include inserting a smaller diameter pipe and backfilling the annular space with slurry. Design is 90% Complete. Primary remaining costs are for construction funding.

Note: Estimate $600,000



Dam Safety Projects – Nacimiento

Nacimiento Dam Safety Projects

	Project Schedule	Total Subproject Costs, 2023 Dollars	Total Subproject Costs, 2025 Dollars	Covered by Grants	Unfunded Need (2025)
Nacimiento Subprojects					
1	Replacement of Three Low Level Outlet Valves and Discharge Piping	$ 1,328,940	$ 1,427,000	$ 350,000	
2	Spillway Evaluation, Investigation, and Maintenance Repairs	$ 3,811,340	$ 4,089,714	$ 850,000	
2A	Spillway Rehabilitation	$ 24,456,990	$ 26,243,290		
3	Spillway Plunge Pool Erosion Control	$ 23,140,890	$ 24,831,064	$ 13,000,000	
4	Low Flow Channel Sand Boil Prevention	$ 15,527,840	$ 16,661,969		
5	Modify Low-Level Outlet to Provide Flow Control and Energy Dissipation	$ 5,447,370	$ 5,845,237	$ 1,800,000	
6	Low Level Intake Valve Actuator Replacement	$ 500,000	$ 536,519	$ 500,000	$ 36,519
7	Dam Embankment Seismic Stability Evaluation and Implementation	$ 1,597,510	$ 1,714,190		$ 1,714,190
8	Spillway Bridge Maintenance	$ 574,590	$ 616,557		$ 616,557
9	Nacimiento Lake Drive Road Repair	$ 4,175,140	$ 4,480,086		$ 4,480,086
10	Protection of Powerplant Penstock from Adjacent Slope Failure	$ 1,760,150	$ 1,888,709	$ 300,000	$ 1,588,709
11	Security Upgrades	$ 1,524,750	$ 1,636,115		$ 1,636,115
Nacimiento Total		**$ 83,845,510**	**$ 89,970,449**	**$ 16,800,000**	**$ 73,170,449**

Nacimiento Dam Projects In Progress

$6.1 mil DWR Grant Funded (End Nov 30, 2027)

- Plunge Pool Erosion Protection Design
- LLOW Flow Control Valve & Flow Meter
- LLOW Intake Actuators
- LLOW & Penstock Protection

Other Projects Underway

- South Access Road Repair
- Hydroplant Erosion Protection Project

Nacimiento Dam- LLOW Valve Installation

Nacimiento & San Antonio Dams

The Dam Safety Projects list identified $177 mil (2023) in project needs for both dams.

- $83.8 mil (2023) in projects for Nacimiento Dam, and
- $93.6 mil (2023) for San Antonio Dam.

A total of $22.2 mil in State Grant funds has been secured for dam safety projects through November 2027 (Nacimiento $16.8, San Antonio $6.4 mil).

Approximately $166.8 mil (2025) of the identified dam safety projects at both facilities remains unfunded.

The list of dam safety projects will continue to grow as additional needs are identified by Agency staff or as required by FERC and DSOD.

Questions & Discussion


MONTEREY COUNTY WATER RESOURCES AGENCY
1947

County of Monterey

Board Report

Legistar File Number: JBL 25-020

Item No.4

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

November 20, 2025

Introduced: 9/8/2025
Version: 1

Current Status: Agenda Ready
Matter Type: Joint Board Leadership

Receive an update on the Salinas River Operations Habitat Conservation Plan (HCP) and provide direction to staff as appropriate. (Presenter: Jason Demers)


MONTEREY COUNTY WATER RESOURCES AGENCY
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Salinas River Operations HCP

November 2025 Update on the status of the Salinas River Operations Habitat Conservation Plan and future financial needs

Salinas River Operations HCP

Progress to Date

- Technical studies, species surveys, and habitat model development have been completed
- Reservoir reoperation modeling has been completed
- Draft reoperation protocols have been completed
- Currently working to finalize the Covered Activities
- Working on 2nd Administrative Draft HCP
  - To be completed in grant deliverable form by EOM

Salinas River Operations HCP

Stakeholder Outreach

- Technical Advisory Committee (TAC)
  - Brought together individuals with related expertise
  - Development and evaluation of reservoir release protocols
  - Met 5 times (Dec 2023 – Apr 2025)
- Stakeholder Working Group
  - 16 members from a range of interests
  - Open to public participation
  - Met 3 times (June 2023 – present)
  - Most recent meeting Sept 9
  - Additional 2026 meetings if funding allows

Salinas River Operations HCP

Active Grant Funding

- Proposition 1 IRWM (State of CA funding)
  - Funding Agreement (Aug 2021 – June 2027)
- 2021 Section 6 HCP Grant (USFWS funding)
  - Funding Agreement (Apr 2022 – Nov 2025)
- 2025 Section 6 HCP Grant (USFWS funding)
  - Application submitted (pending)
  - Less certainty related to federal funding commitment
  - Review further delayed by government shutdown

Salinas River Operations HCP

Future Needs

- Short term (FY26)
  - Agency needs $100k in funding to continue work
    - Refinement of AMMs
    - Refinement of mitigation needs
    - Completion of monitoring plan
    - Development of implementation funding plan
    - Submit 2nd Admin Draft for review
      - *Federal Agency coordination required for all but funding plan*
  - Ongoing work to be funded from Agency Fund 111
    - May require a budget amendment in the spring

Salinas River Operations HCP

Future Needs

- Beyond FY26
  - Requested $1M through the 2025 Section 6 funding opportunity
    - High level of uncertainty
  - Grant award would fund:
    - Public and tribal outreach
    - Response to comments on 2nd Admin draft HCP
    - Administrative drafts of NEPA and CEQA documents
    - *NEPA process has a time limit*
      - *Secure funding is critical before starting the clock*


MONTEREY COUNTY WATER RESOURCES AGENCY
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County of Monterey

Board Report

Legistar File Number: JBL 25-021

Item No.5

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

November 20, 2025

Introduced: 9/8/2025

Version: 1

Current Status: Agenda Ready

Matter Type: Joint Board Leadership

Receive an update on the MCWRA activities related to the Salinas Valley Basin Groundwater Sustainability Agency's (SVBGSA) Subgrant Agreements and provide direction to staff as appropriate. (Presenter: Shaunna Murray)

TODAY'S ACTION

Update on the MCWRA activities related to the Salinas Valley Basin Groundwater Sustainability Agency's Subgrant Agreements

Background

- Local Groundwater Sustainability Agencies (GSAs) have received State funding for studies and projects that rely on Agency programs, permits, water rights, and infrastructure
- Subgrant agreements have been developed between the SVBGSA and Agency to cover staff time to participate in, advise on, or complete various studies and activities.

Prior BOD Action

- Approved Subgrant Agreement and Amendments for services in support of Sustainable Groundwater Management Act Implementation Grant, Round 1
  - September 2022: original agreement totaling $3,690,000
  - July 2023: amendment 1 for an additional $131,000 for services and revised work plan (total $3,821,000)
  - June 2024: amendment 2 to align with grant deadline and reduce grant total by $341,000 (total $3,480,000)
  - February 2025: amendment 3 for an additional $1,500, revised work plan and time extension (total $3,483,300)
- Approved Subgrant Agreement and Amendment for services in support of Sustainable Groundwater Management Act Implementation Grant, Round 2
  - January 2025: original agreement totaling $250,000
  - February 2025: amendment 1 for an additional $150,000 for services (total $400,000)

Financial Impact

- Subgrant Agreement Round 1 is for an amount not to exceed $3,483,300 allocated to staff time and other project costs related to planning, design and implementation
- Subgrant Agreement Round 2 is for an amount not to exceed $400,000 and has been allocated to staff time to complete the projects and coordination
- No required matching funds or cost share from the Agency

Strategic Plan Alignment

Agency work under the Subgrant Agreements aligns with the Strategic Plan

- **Goal B, Planning and New Projects**
  - **Strategy 1** - Expand and optimize the CSIP system.
  - **Strategy 2** - Collaborate with local Groundwater Sustainability Agencies, define MCWRA's role, and implement a GSA integration plan.
  - **Strategy 3** - Identify new water projects for development, utilizing existing or new water rights in collaboration with the GSA.
- **Goal C, Financial Sustainability**
  - **Strategy 6** – Pursue grant funding and cost saving opportunities from all available sources, including collaborating with the GSA.

Discussion

- **Both the SVGBSA and MCWRA have crucial roles related to the management of regional water supplies**
- **MCWRA staff is participating in various processes as memorialized in the relevant agreements in place**
  - Continue to collect and expand groundwater monitoring for evaluation of current conditions and to inform decisions
  - Focus on evaluating GSPs Management Actions for feasible implementation
    - Priority questions include:
      - How do current facilities and operations work?
        - » Are there missed opportunities?
        - » What can be improved/done differently?
      - How much water is available?
      - When is the water available?
      - Where is the water available?
      - What can we do with the water, e.g., storage vs direct use?
    - Projects all have ambitious timeframes

Discussion

SGMA Goals

- Avoid undesirable results to demonstrate that a basin is operating within its sustainable yield (Water Code 10721)
- Set measurable objectives that have a reasonable margin of operational flexibility above the minimum thresholds (SMC BMP pg 27)
- Design projects and management actions to meet the measurable objectives (SMC BMP pg 27)

GSP Implementation

- Reach Sustainability in 20 years (2040/2042)
- Consider 6 Sustainability Indicators

Types of Activities

Existing Facility/Operations Studies and Improvements:

- Dry Chlorine Scrubber Upgrade at Recycled Water Plant
- CSIP System & Operations Hydraulic Modeling
  - CSIP Distribution System Upgrades
  - Water scheduling system
  - Input on development of a Recycled Water Master Plan
- CSIP Distribution system booster enhancements

New Project Studies:

- Feasibility study on Aquifer Storage and Recovery
- Assessment of project constraints related to Agency permits and policies.
- Feasibility study for NSIP/CSIP Expansion
- Advise on Brackish Groundwater Restoration Project
- Reservoir operations modeling
- Castroville and Eastside Canals and Alternatives

Data Collection, Analysis and Monitoring:

- Expansion of Groundwater Monitoring Program
- Monitoring plan for the Deep Aquifers
- Water quality sampling to provide data for the Brackish Groundwater Restoration Project

Existing Facility Improvements: Dry Chlorine Scrubber Upgrade at Recycled Water Plant COMPLETED

Overview:

The Dry Chlorine Scrubber Upgrade at the Salinas Valley Reclamation Project (SVRP) reduces the annual maintenance requirements for the treatment system and increases the number of days that recycled water is available for delivery to CSIP users. M1W has had to shut down its tertiary treatment process every winter for maintenance of the existing chlorination system to comply with hazardous materials plan requirements and maintain its reliability. During that period, river water is also not permitted for diversion and use; therefore, the system must rely solely on groundwater from CSIP supplemental wells to deliver irrigation water to farmers in the seawater-intruded area. If a chlorine leak should occur during the summer, the entire treatment plant and river diversion facility would have to be shut down for repairs, also forcing CSIP to rely on groundwater.

This Component implements the first phase of GSP Priority Project #3: CSIP Winter Modifications through installing a dry chlorine scrubber system to replace the existing wet scrubber system. Chlorine is used to disinfect both recycled and surface water. The previous scrubber system used liquid caustic chlorine scrubbers to contain and remove toxic gaseous chlorine from the air in the event of an accidental release from the chlorine containment system. The new system incorporates two dry scrubbers into the existing chlorination system. The dry scrubbers are much safer to operate due to the elimination of liquid caustic ammonia which is a hazardous material that is corrosive to the system. The new system utilizes two scrubber tanks so that one is always available during maintenance of the other.

Existing Facility Improvements: CSIP Hydraulic Modeling IN PROGRESS

Technical Memo Overview:

The report documents the development, calibration, and application of a new hydraulic computer model for the CSIP distribution system. The purpose of this study is to replace the previous hydraulic model, evaluate existing CSIP distribution system capacity and performance under peak irrigation demands, and provide recommendations to guide MCWRA's capital improvement planning and long-term operational strategies, with the goal of optimizing existing operations and minimizing reliance on supplemental groundwater wells.

Existing Facility Improvements: CSIP Hydraulic Modeling

Outcomes: recommended system improvements to address hydraulic constraints, minimize reliance on groundwater, while enhancing system redundancy and reliability.

CIP 1 – Rodgers Loop Check Valve and Pressure Relief Valve

Installation of a check valve and pressure relief valve along the 24-inch pipe at Rodgers Loop prevents the Espinosa Booster Pump Station from recirculating through the loop, thereby improving pumping efficiency.

CIP 2 – Second CSIP Storage Pond Outlet Pipe

Construction of a new 30-inch outlet pipeline from the CSIP Storage Pond to Turnout 78 increases conveyance capacity across the Salinas River and provides operational redundancy for the existing 51-inch outlet pipe.

CIP 3 – In-System Storage and Booster Pump Station

Construction of 10–12.5 million gallons of new water storage with a booster pump station on the northeastern side of the CSIP distribution system adjacent to Blackie Road creates a secondary pressurized supply point. By reducing headloss and improving pressures at critical turnouts, the project strengthens redundancy and balances weekly demand fluctuations.

Existing Facility Improvements: CSIP Distribution System Booster Enhancements IN PROGRESS

Overview:

The Booster Station Enhancements will reduce the use of CSIP groundwater wells to address distribution system hydraulic deficiencies by optimizing the effectiveness of the three booster station sites.

All eight booster pumps at the three booster station sites (Espinosa, Molera, and Lapis) have been fully rebuilt and recoated, this includes both the pumping equipment and the motor. Final onsite equipment recoating was completed, and the optimization efforts are finalizing. The Molera Booster station motor VFD's control units have been ordered and are in production with arrival anticipated in September 2025, which will then complete this project.

PLANNING PHASE: Aquifer Storage and Recovery

Goals and Objectives

Address seawater intrusion in 180/400-Foot Aquifer Subbasin by:

- Maximizing surface water diversions
- Raising groundwater levels through injection
- Reducing groundwater pumping

Preliminary Feasibility Study / Conceptual Analysis

Summary Report

TM-1: Assesses physical and operational constraints, considering existing infrastructure such as the Nacimiento and San Antonio Reservoirs, the Salinas River Diversion Facility, and CSIP, while identifying new infrastructure needs.

TM-2: Reviews permitting and regulatory requirements, including water rights.

TM-3: Summarizes available water quality data and recommends a sampling plan for further treatment analysis.

TM-4: Presents groundwater flow modeling results.

PLANNING PHASE: Aquifer Storage and Recovery COMPLETED

ASR Scenarios Evaluated

Scenario	Description
Seasonal Release with ASR project concept	• Shift reservoir releases and diversions at SRDF to Dec-June • Injects treated water via new ASR wells • Summer extraction from ASR wells
New Diversion of Winter High Flows for ASR project concept – Alternative 1	• No change to current April-October SRDF operations or "business as usual CSIP" • For ASR: use excess flows to divert November-April and inject (no extraction from ASR wells)
New Diversion of Winter High Flows for ASR project concept with injection into 400-Foot Aquifer only – Alternative 1A	• Same as Alternative 1, except all diverted water is injected into 400-Foot Aquifer only

PLANNING PHASE: Aquifer Storage and Recovery COMPLETED

Key Findings

ASR Scenarios did not achieve SWI Minimum Threshold

Seasonal Release with ASR project concept has significant operational constraints associated with releasing stored reservoir water and rediverting it at SRDF in winter.

Modified or new water rights would be needed for either approach.

Existing CSIP and SRDF infrastructure upgrades are likely required to implement either approach.

The timing of diversions and injection is key for meeting CSIP demands in the peak season.

Seasonal release/re-diversion scenario may create additional issues with not being able to meet CSIP demands, exacerbating the need to pump more groundwater

PLANNING PHASE: Castroville and Eastside Canals and Alternatives Roadmap
IN PROGRESS

Purpose:

- Support MCWRA to put Permit 11043 water right to beneficial use
- Understand project options, including but not limited to Permit 11043, for achieving groundwater sustainability, to be further studied.

Project Scenario(s):

- Identify a realistic project concept using additional supply from the Salinas River for:

  - Mitigating seawater intrusion

  and/or

  - Addressing lowered groundwater levels to help achieving Sustainable Management Criteria (SMC) in Eastside, Langley, 180/400

PLANNING PHASE: Castroville and Eastside Canals and Alternatives Roadmap

Timeline:

Phase 1: Historical review and identification of potential project components

Phase 2: Use framework to identify and develop 2 project scenarios

Phase 3: High level feasibility assessment of project scenarios

June 2025 – September 2025

October 2025 – March 2026

Phase 1 includes:

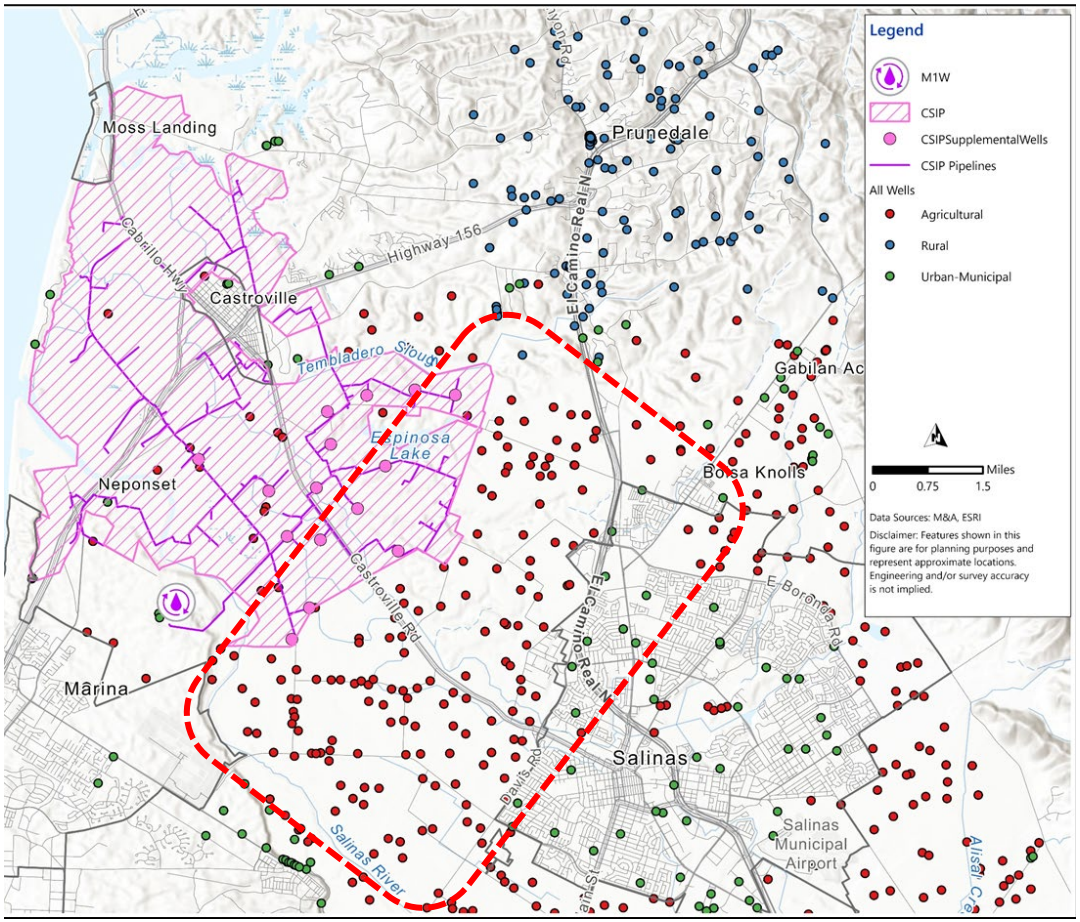
- History / Project Ideas
- Permit 11043 and new water rights
- Project concept to use Salinas River diversions to mitigate seawater intrusion
- Estimation of how much water might be diverted
- Tool for project evaluation and ranking
- Report

Phases 2 & 3 include: Modeling of streamflow and permitted and alternative points of diversion and effects relative to Sustainable Management Criteria. Modeling of at least 2 climate change scenarios.

PLANNING PHASE: New Seawater Intrusion Project (NSIP) IN PROGRESS

Overview:

- Modified description of CSIP Expansion
- Evaluation of a new agricultural water supply project to compare options for delivery of alternative supplies to areas experiencing or at risk of seawater intrusion, outside of CSIP area
- High Level Feasibility Study for New Seawater Intrusion Project (NSIP)



PLANNING PHASE: New Seawater Intrusion Project (NSIP)

Approach:

- Includes source water investigations, identification of delivery areas and irrigation demands, infrastructure needs and sizing paired with source water options, costs

- First Step: Source Water Usability Evaluation

  This includes identifying different source waters that could be used for NSIP and defining volumes, quality, timing, and other issues, e.g. water rights, related with securing these supplies. Water quality evaluation and storage needs.

- Subsequent Steps: Project Configurations and Modeling; and Delivery Area Scenarios and Technical Memorandum

- Carollo Engineers to support this study, including assistance with documenting findings on potential source waters, engineering analysis of options for distribution system sizing and layouts, and cost estimates

PLANNING PHASE: New Seawater Intrusion Project (NSIP)

- Source waters to be considered may include:
  - effluent available from Monterey One Water Regional Treatment Plant currently not put to beneficial use 2) the City of Salinas industrial ponds
  - Tembladero Slough, Reclamation Ditch No.1665, and the Blanco Drain surface water related to water right applications A032263C, and A032263D currently not put to beneficial use
  - excess or available Salinas River Diversion Facility (SRDF)
  - other potential sources under investigation in SVBGSA's feasibility studies for Salinas River water as identified from the Castroville and Eastside Canals and Alternatives study related to water right permit 11043
  - treated brackish groundwater

PLANNING PHASE: Implement Deep Aquifer Study Recommendations
IN PROGRESS

Agency staff participating in the **Deep Aquifers Agencies Working Group** ("Working Group") alongside:

- Salinas Valley Basin GSA
- Monterey County Health Department
- Marina Coast Water District GSA .

Agency staff developed a Monitoring Plan for the Deep Aquifers at the request of the Working Group.

- The purpose of the Monitoring Plan is to expand monitoring, coordinate monitoring efforts across agencies with jurisdiction over the Deep Aquifers, and streamline data reporting to agencies utilizing the data.
- The Monitoring Plan is a deliverable in the Round 1 subgrant agreement.

PLANNING PHASE:
Data Expansion and SGMA Compliance
IN PROGRESS

Work plans for both SGMA Round 2 grants include tasks related to expanding well registration and groundwater extraction reporting programs in the Salinas Valley Groundwater Basin

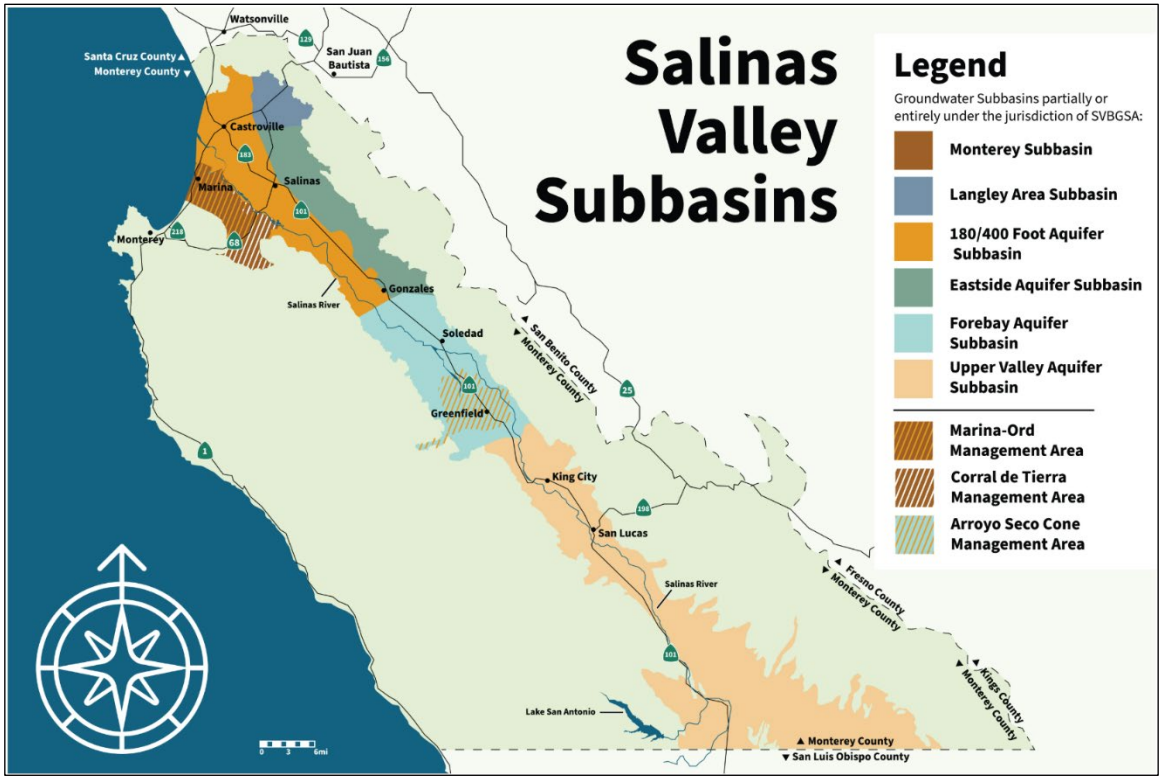


Figure source: www.svbgsa.org

Status of Round 1 Projects

Components/Budget Category		Original Sub Grant	Amendment 1	Amendment 2	Amendment 3	Total Sub Grant Amount	YTD Expenses	Sub Grant Balance	% Complete
COMPONENT 2: Dry Chlorine Scrubber Upgrade at Monterey One Water Recycled Water Plant									
(c): Implementation/Construction		1,185,000		310,000		1,495,000	1,495,000	0	100%
Component Total Amount		**1,185,000**				**1,495,000**	**1,495,000**	**0**	**100%**
COMPONENT 3: Castroville Seawater Intrusion Project (CSIP) Distribution System Upgrades									
(a): Component 3 Administration		5,000				5,000	2,258	2,742	45%
(b): Planning / Design / Environmental		520,000		867,000	-290,000	1,097,000	808,069	288,931	74%
(c): Implementation/Construction		1,622,000		-1,462,000	290,000	450,000	450,000	0	100%
(d): Monitoring / Assessment		3,000				3,000	199	2,801	7%
Component Total Amount		**2,150,000**			**0**	**1,555,000**	**1,260,527**	**294,473**	**81%**
COMPONENT 5: Conduct Feasibility Study on Aquifer Storage and Recovery									
(b): Planning / Design / Environmental		45,000			-8,700	36,300	36,300	0	100%
Component Total Amount		**45,000**			**36,300**	**36,300**	**36,300**	**0**	**100%**
COMPONENT 7: Compliance Reporting and Data Expansion									
(b): Planning/Design/Environmental		0		250,000		250,000	250,000	0	100%
(c): Implementation/Construction		310,000		-250,000		60,000	60,000	0	100%
Component Total Amount		**310,000**				**310,000**	**310,000**	**0**	**100%**
COMPONENT 8: Implement Deep Aquifer Study Recommendation									
(b): Planning / Design / Environmental		0			12,000	12,000	8,109	3,891	68%
Component Total Amount		**0**			**12,000**	**12,000**	**8,109**	**3,891**	**68%**
COMPONENT 9: Seawater Intrusion Feasibility Study									
(b): Planning / Design / Environmental		0	131,000	-56,000		75,000	74,279	721	99%
Component Total Amount		**0**				**75,000**	**74,279**	**721**	**99%**
Subgrant Total Amount		**3,690,000**	**3,821,000**	**3,480,000**	**3,483,300**	**3,483,300**	**3,184,216**	**299,084**	**91%**

Status of Round 2 Projects

Components/Budget Category		Original Sub Grant	Amendment 1	Total Sub Grant Amount	YTD Expenses	Sub Grant Balance	% Complete
SALINAS COMPONENT 2: Data Expansion and SGMA Compliance							
(b): Environmental/Engineering/Design		200,000		200,000	75,646	124,354	38%
Component Total Amount		**200,000**		**200,000**	**75,646**	**124,354**	**38%**
MONTEREY COMPONENT 2: Monterey Subbasin Data Expansion and SGMA Compliance							
(b): Environmental/Engineering/Design		50,000	0	50,000	18,911	31,089	38%
Component Total Amount		**50,000**		**50,000**	**18,911**	**31,089**	**38%**
SALINAS COMPONENT 3: Engagement/Outreach							
(e): Engagement/ Outreach		0	150,000	150,000	14,385	135,615	10%
Component Total Amount		**0**	**150,000**	**150,000**	**14,385**	**135,615**	**10%**
Subgrant Total Amount		**250,000**	**400,000**	**400,000**	**108,942**	**291,058**	**27%**

Discussion (cont.)

- Timelines for relevant agreements:
  - Round 1 grant: activities end October 31, 2025, and reporting due by 12/31/2025
  - Round 2 grant: activities end March 31, 2026, and reporting due by April 15, 2026
  - GMP Service Agreement for March 1, 2025 to June 30, 2026 recommended by BOD and being considered by BOS to fund full year of program activities
  - SVBGSA/MCWRA MOU for additional services valid through June 15, 2026

- Other coordination efforts
  - Staff-level meetings on a regular basis
  - Both SVBGSA and MCWRA Committee participation
    - e.g.: MCWRA BMAC and SVBGSA Advisory Committee

Next Steps

- Closeout Round 1 Grant
  - Complete final CSIP Distribution System project design
    - Report out on preferred project scope and estimated costs
  - Finalize Subgrant Completion Report and Deliverables
- GMP data collection activities have commenced and reporting will be provided as available
- Coordinated updates on Management Action Progress will be presented by SVBGSA and MCWRA staff this fall/winter
  - A roadmap to decision making will be developed for actions next year