



**Groundwater Sustainability Agency
San Benito County Water District**

Sustainable Groundwater Planning Grant

**For the San Juan Bautista, Bolsa, Hollister
Groundwater Basins**

November 2017

TODD 
GROUNDWATER



Grant Application Checklist

APPLICANT INFORMATION TAB

APPLICANT INFORMATION

Organization Name: San Benito County Water District Groundwater Sustainability Agency

Tax ID: Automatically displayed for registered organizations

Point of Contact:

First Name: Jeff

Last Name: Cattaneo

E-Mail: jcattaneo@sbcwd.com

Direct Phone: (831) 637-8218

Point of Contact (Position Title): General Manager, San Benito County Water District

Proposal Name: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

Proposal Objective (2000 characters):

San Benito County Water District GSA (SBCWD) and Santa Clara Valley Water District GSA (SCVWD) are cooperating for GSP preparation in accordance with the July 5, 2017 Memorandum of Understanding. SBCWD, with support from SCVWD and local agencies, is applying for a SGWP Category 2 grant to help fund GSP development for the Hollister, Bolsa, and San Juan Bautista subbasins. These subbasins are contiguous and connected, and have been managed jointly for decades. The objective of this proposal is to strengthen ongoing groundwater management and to comply with SGMA. SBCWD has a solid record of effective management: it restored its groundwater basins from 1970s overdraft, and has provided comprehensive monitoring, annual reporting, numerical modeling, and management activities. However, this management has been focused on locally-defined areas that do not coincide with—or extend as far as—the Bulletin 118 basins that will be the area of future management. In fact, use of Bulletin 118 boundaries will *double* the actively managed area. This geographic expansion means that funding is needed for extension of the Data Management System, water resources monitoring program, groundwater analyses and maps, numerical groundwater flow model, outreach to stakeholders, and consideration of management issues, objectives, and activities. In addition, the status of local groundwater basin sustainability includes uncertainty. Some of this uncertainty stems from the unknown status of sustainability indicators that have not yet been comprehensively and systematically evaluated. More importantly, uncertainty surrounds the future availability of imported water, particularly with climate change. In fact, the lack of imported water and severity of the recent drought resulted in localized groundwater level declines to less than historical lows. This suggests a real risk of overdraft and an urgent need to strengthen local management. Award of a SGWP grant is critical to this important effort.

BUDGET

Other Contribution: \$35,000

Local Contribution: \$495,430

Federal Contribution: \$0

In-kind Contribution: \$0

Amount Requested (Grant Amount Requested): \$830.336

Total Project Cost: \$1,360,766

GEOGRAPHIC INFORMATION

Latitude: 36.8525° N = 36° 51' 8.9994"

Longitude: -121.4016° W = -121° 24' 5.76"

Long/Lat Clarification: N/A

Location (100 character limit): *Bolsa (3-3.02), Hollister (3-3.03), and San Juan Bautista (3-3.04) Groundwater Basins*

Counties: San Benito and Santa Clara

Groundwater Basins: San Juan Bautista, Hollister, Bolsa

Hydrologic Regions: Central Coast

Watersheds (250 character limit): Pajaro River

LEGISLATIVE INFORMATION

State assembly: 30

http://www.legislature.ca.gov/legislators_and_districts/districts/assemblydistricts.html

State Senate: 12

http://www.legislature.ca.gov/legislators_and_districts/districts/senatedistricts.html

US Congressional Districts: CA 20

<https://www.govtrack.us/congress/members/map>

PROJECT INFORMATION

Project Name: GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

Implementing Organization: San Benito County Water District

Secondary Implementing Organization: Santa Clara Valley Water District

Proposed Start Date: January 2, 2018

Proposed End Date: June 1, 2021

Scope of Work (500 Character Limit):

This proposal is for GSP Preparation for the Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins. This project is composed of fourteen tasks that together address the requirements for a SGMA-compliant GSP preparation. The project builds on existing work conducted since January 1, 2015 for GSP preparation and incorporates work items for GSP adoption and submittal to DWR, in addition to SGWP grant administration.

Project Description (2,000 Character Limit):

This project is GSP preparation for the Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins. SBCWD is submitting this SGWP Grant Application for Category 2 grant funding to augment local funds and work conducted since January 1, 2015 toward GSP development. While the Bolsa, Hollister, and San Juan Bautista Subbasins are currently distinct, they are contiguous and connected and have been managed comprehensively. SBCWD is requesting consolidation of the three basins, with subsequent preparation of a single unified GSP. If consolidation does not occur, SBCWD will prepare multiple GSPs. The Work Plan contained in this proposal is appropriate for a single unified GSP or a GSP for each subbasin. The Schedule for each would be contemporaneous. The Budget reflects preparation of three GSPs for three subbasins. The Work Plan includes fourteen tasks that define the GSP sections, supporting materials, and outreach efforts to be included in the final GSP submittal to DWR, as well as milestones and deliverables by task. Some tasks have begun prior to the final award (as early as January 1, 2015) and represent continuing management and preparation for SGMA. These are grouped as Task 0, Preparation for SGMA Compliance. All other Work Plan tasks will begin following award announcements in January 2018. These are described in detail in the Work Plan and Schedule and are designed to complete the GSP process consistent with SGMA. This project will result in GSP preparation and submittal for the Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins in compliance with SGMA. The total project cost is \$1,360,766 with a total grant request of \$830,336 and \$495,430 in local match with another \$35,000 in other cost share. All work is expected to be completed by June 2021. About 16% of the subbasin area represents DACs and SDACs; grant assistance would relieve some financial burden on local communities, including rural communities reliant on groundwater sustainability.

Project Objective (500 Character Limit):

The objective is timely GSP preparation for Bolsa, Hollister, and San Juan Bautista Subbasins that provides for continuation of historical management and achieves SGMA compliance. This GSP preparation will extend current management to encompass the entirety of the subbasins. It will allow systematic evaluation of sustainability criteria and establishment of quantitative thresholds and objectives, along with development of monitoring, projects and management actions for sustainability.

PROJECT BENEFITS INFORMATION

Benefit Level: Leave blank in GRanTS

Benefit Type: Leave blank in GRanTS

Benefit: Leave blank in GRanTS

Description: Leave blank in GRanTS

Measurement: Leave blank in GRanTS

PROJECT BUDGET

If only one project is being proposed, use the “Copy Budget data from Applicant Info” feature to populate previously entered data. Otherwise, enter individual budget items for each project in the same manner as described in the Applicant Information Tab. The sum of the budget items must agree with the total project budget.

GEOGRAPHIC INFORMATION

Enter the geographic information for each individual project location (latitude and longitude in degrees, minutes, and seconds).

Latitude: 36.8525° N

Longitude: -121.4016° W

LEGISLATIVE INFORMATION

If only one project is being proposed, use the “Copy Legislative data from Applicant Info” feature to populate previously entered data. Otherwise, enter legislative information for each project in the same manner as described for the Applicant Information Tab. For projects covering more than one district, hold the control key down and select all that apply.

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Project Description. Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal (25 words or less).

This Proposal requests Category 2 funding for GSP preparation that will continue, expand, and improve management of the Bolsa, Hollister, and San Juan Bautista Subbasins.

Q2. Project Representative. Provide the name and details of the person responsible for signing and executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Representative.

Jeff Cattaneo
General Manager
San Benito County Water District
30 Mansfield Rd
Hollister, Ca 95024
(831) 637-8218
jcattaneo@sbcwd.com

Q3. Project Manager: Provide the name and contact information of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Jeff Cattaneo
General Manager
San Benito County Water District
30 Mansfield Rd
Hollister, Ca 95024
(831) 637-8218
jcattaneo@sbcwd.com

Q4. Eligibility. Has the applicant met the requirements of DWR's CASGEM Program?

San Benito County Water District (SBCWD) is the official CASGEM monitoring entity for the San Juan Bautista, Hollister, and Bolsa Subbasins and has met the requirements of DWR's CASGEM program.

Q5. Eligibility. Is the applicant an agricultural water supplier? If yes, has the applicant submitted a complete Agricultural Water Management Plan (AWMP) to DWR? Has the AWMP been verified as complete by DWR? If the AWMP has not been submitted, please indicate the anticipated submittal date?

SBCWD an agricultural water supplier required to submit a 2015 AWMP. SBCWD's 2015 AWMP was submitted to DWR in September 2015 and determined to be in compliance with Federal regulations.

Q6. Eligibility. Is the applicant an urban water supplier? If yes, has the applicant submitted a complete Urban Water Management Plan (UWMP) to DWR? Has the UWMP been verified as

complete by DWR? If the UWMP has not been submitted, please indicate the anticipated submittal date?

Three agencies are urban water suppliers or a wholesaler. The City of Hollister, Sunnyslope County Water District, and SBCWD submitted a joint regional UWMP for the Hollister Urban Area (HUA). The regional UWMP has been accepted and deemed to adequately address relevant Water Code requirements.

Q7. Eligibility. Is the applicant a surface water diverter? If yes, has the applicant submitted to the State Water Resources Control Board (SWRCB) their surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with Section 5100) of Division 2 of the Water Code? If the reports have not been submitted, explain and provide the anticipated date for meeting the requirements.

SBCWD is a surface water diverter, is currently in compliance with State Water Resources Control Board (SWRCB) surface water diversion requirements, and has submitted the required surface water diversion reports to SWRCB.

Q8. Eligibility. Does the proposal include any of the following activities:

- **The potential to adversely impact a wild and scenic river or any river afforded protection under the California or Federal Wild and Scenic Rivers Act**
- **Acquisition of land through eminent domain**
- **Design, construction, operation, mitigation, or maintenance of Delta conveyance facilities**
- **Acquisition of water except for projects that will provide fisheries or ecosystem benefits or improvements that are greater than required currently applicable environmental mitigation measures or compliance obligations**
- **Pay any share of the cost of remediation recovered from parties responsible for the contamination of a groundwater storage aquifer**
- **Projects or groundwater planning activities associated with adjudicated groundwater basins.**

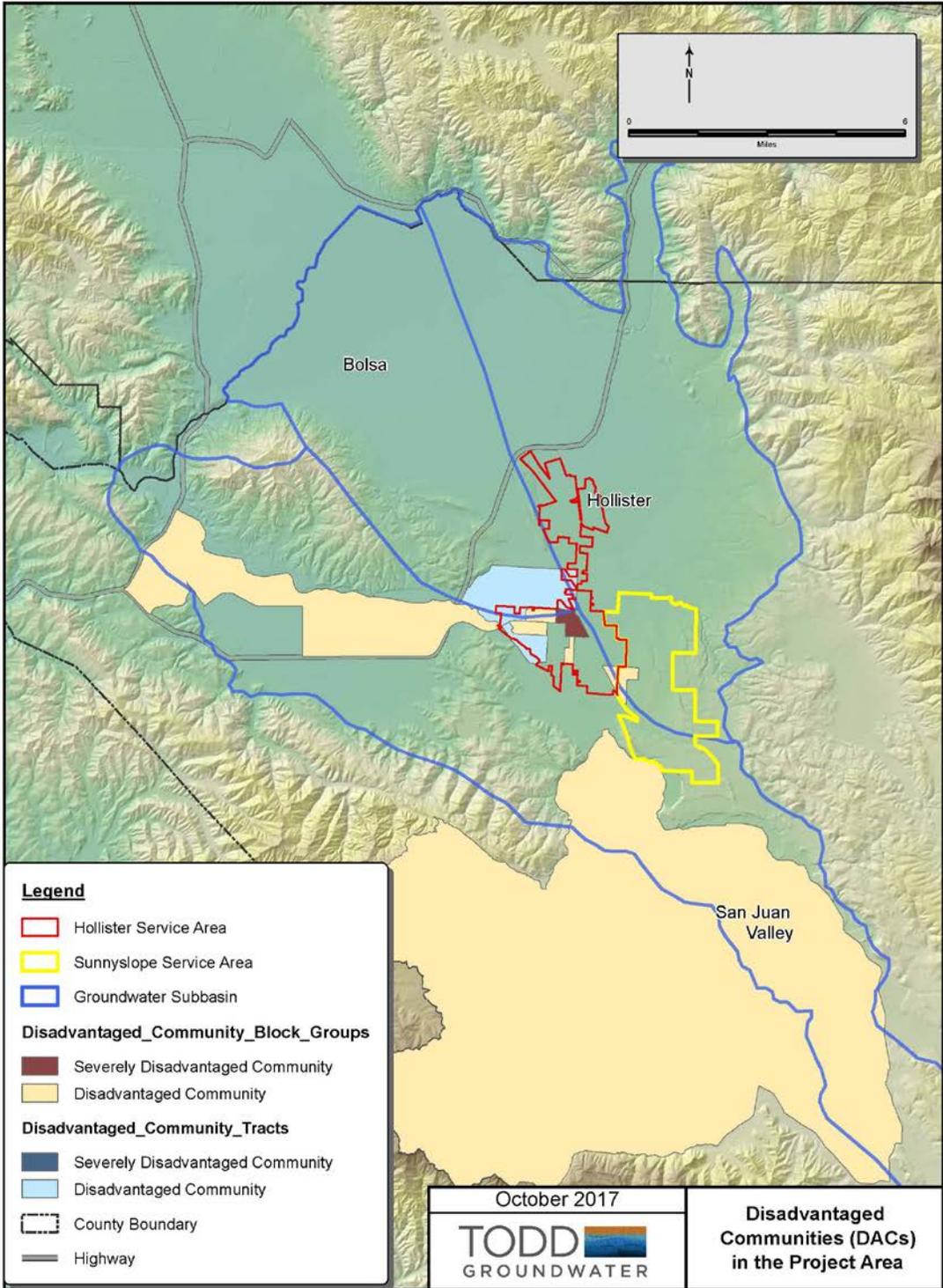
If yes, please explain (Max. Character Limit, per yes answer: 250)

The proposed project does not include any of the aforementioned activities.

Q9. DAC or EDA Cost Share Waiver or Reduction. Are you applying for cost share waiver or reduction as a DAC, SDAC, or EDA? Fill out Attachment 7, Attachment 8, or Attachment 9 as appropriate.

SBCWD is requesting a 50% cost share reduction and has thus provided completed Attachment 7, Attachment 8, and Attachment 9 as parts of the application package.

Q10. Project Area Map. Provide a map illustrating the groundwater basin, relevant project features, service area (may represent the area covered by GSP for Category 2), and SDAC, DAC, EDA area, if applicable.





ATTACHMENT 1

Authorization

Authorizing Document. Resolution 2017-15, adopted by the San Benito County Water District (SBCWD) on August 30, 2017, authorizes the General Manager, or designee, of the San Benito County Water District GSA to submit this application on behalf of the San Benito County Water District GSA and enter into an agreement with the State of California, Department of Water Resources.

RESOLUTION NO. 2017- 15

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SAN BENITO COUNTY WATER DISTRICT
TO MAKE AN APPLICATION TO THE
STATE DEPARTMENT OF WATER RESOURCES
TO OBTAIN A GRANT UNDER THE
2017 SUSTAINABLE GROUNDWATER PLANNING GRANT PROGRAM
PURSUANT TO THE WATER QUALITY, SUPPLY, AND
INFRASTRUCTURE IMPROVEMENT ACT OF 2014**

WHEREAS, the Sustainable Groundwater Management Act of 2014, Water Code sections 10720-10737.8 (“SGMA”) was signed into law on September 16, 2014; and

WHEREAS, SGMA requires that each California groundwater basin be managed by a Groundwater Sustainability Agency (“GSA”), or multiple GSAs, and that such management be implemented pursuant to an approved Groundwater Sustainability Plan (“GSP”), or multiple GSPs; and

WHEREAS, the District's statutory boundary overlies the Hollister, Bolsa, and San Juan Valley Subbasins within the San Benito County portion of the Gilroy-Hollister Groundwater Basin, an unadjudicated groundwater basin; and

WHEREAS, the San Benito County Water District Act (California Water Code Appendix, Chapter 70) provides the District with broad groundwater management authority, including the authority to conserve water for beneficial and useful purposes by spreading, storing, retaining, and causing such waters to percolate into the soil within or without the District; and

WHEREAS, on February 8, 2017, at a duly-noticed public hearing, the Board of Directors of the San Benito County Water District, by Resolution No. 2017-03, elected to have the San Benito County Water District be the exclusive GSA for the San Benito County portion of the Hollister, Bolsa, and San Juan Valley subbasins of the Gilroy-Hollister Groundwater Basin; and

WHEREAS, on or about May 24, 2017, the San Benito County Water District GSA became the exclusive GSA for the San Benito portion of the Gilroy-Hollister Groundwater Basin; and

WHEREAS, the DWR is administering the Sustainable Groundwater Planning (“SGWP”) Grant Program, using funds authorized by the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (“Proposition 1”), set forth in Water Code section 79700, et seq. Proposition 1 authorized \$100 million to be made available for competitive grants for projects that develop and implement

groundwater plans and projects in accordance with applicable groundwater planning requirements. The purpose of the SGWP Grant Program is to encourage sustainable management of groundwater resources that support SGMA.

WHEREAS, it is the desire of the San Benito County Water District GSA for the San Benito County portion of the Gilroy-Hollister Groundwater Basin to obtain Proposition 1 funds, through the SGWP Grant Program, to be used for the preparation of the GSP.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the San Benito County Water District GSA, that an application be made to DWR to obtain a grant under the 2017 Sustainable Groundwater Planning Grant Program pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) (Water Code Section 79700 et seq.), and to enter into an agreement to receive a grant for the preparation of a GSP.

The General Manager or his designee is hereby authorized and directed to prepare the necessary data, conduct investigations, file such application, and execute a grant agreement with California Department of Water Resources.

BE IT FURTHER RESOLVED that the President of the Board is authorized to sign said Resolution, on behalf of this Board and District.

PASSED AND ADOPTED by the Board of Directors of the San Benito County Water District this 30th day of August, 2017, by the following vote:

AYES: DIRECTORS: Tobias, Tonascia, Bettencourt and Flores

NOES: DIRECTORS: None

ABSTAIN: DIRECTORS: None

ABSENT: DIRECTORS: Huenemann



John Tobias
President

ATTEST:



Sara Singleton
Assistant Manager

I, Sara Singleton, board secretary of the San Benito County Water District, do hereby certify that the following is a true and correct copy of a resolution duly adopted at the regular meeting of the Board of Directors, duly held on August 30, 2017. This resolution has not been modified, rescinded or revoked and is at present in full force and effect.

In Witness whereof, the undersigned has affixed her signature and the corporate seal.



Sara Singleton
Assistant Manager/Board Secretary

8/31/17

Date of signature



ATTACHMENT 2

Eligibility Documentation

Eligible Applicant Document. A written statement from SBCWD documents its eligibility as an applicant for submitting this Proposition 1 Sustainable Groundwater Planning Grant application.

Compliance Documentation. Documentation, demonstrating compliance for the 2017 Sustainable Groundwater Planning Grant Program, addresses:

- CASGEM Compliance
- Urban Water Management Compliance
- Agricultural Water Management Compliance
- Surface Water Diverter Compliance



Eligibility Documentation

The San Benito County Water District (SBCWD) is the primary applicant for the 2017 Sustainable Groundwater Planning Grant for the three SBCWD subbasins (San Juan Bautista, Bolsa, and Hollister). Eligible applicant information and compliance documentation has been included in Attachment 2.

Eligible Applicant Information

Does the applicant have legal authority to enter into a grant agreement with the State of California?

SBCWD was formed in 1953 by the San Benito County Water Conservation and Flood Control Act with authority and responsibility for groundwater management throughout San Benito County. The District's service area encompasses portions of the Bolsa, Hollister, and San Juan Bautista Subbasins of the Gilroy-Hollister Basin, which have been designated as medium priority basins. SBCWD is the exclusive Groundwater Sustainability Agency for all three subbasins. Therefore, SBCWD has the authority to enter into an agreement for SGWP funding on behalf of the three groundwater subbasin.

Has the applicant met the requirements of DWR's CASGEM Program?

SBCWD is the official CASGEM monitoring entity for the three area subbasins and has met the requirements of **DWR's CASGEM program. CASGEM compliance documentation is provided in this attachment.**

Is the applicant an urban water supplier? If yes, has the applicant submitted a complete Urban Water Management Plan (UWMP) to DWR? Has the UWMP been verified as complete by DWR? Please provide documentation from DWR that verifies the 2015 UWMP addresses the relevant Water Code requirements. If the UWMP has not been submitted, explain and provide the anticipated submittal date? If the applicant is not an urban water supplier, please indicate so.

SBCWD is a wholesaler to urban suppliers. SBCWD along with the City of Hollister and Sunnyslope County Water District prepared a regional UWMP for the Hollister Urban Area. The plan was submitted September 2016 and officially approved October 2017. UWMP compliance documentation is provided in this attachment.

In addition to the 2015 UWMP compliance documentation, included in Appendix B are Assembly Bill (AB) 1420 conservation tables and water metering compliance certification documents for the three cities required to comply with these programs.

Is the applicant an agricultural water supplier? If yes, has the applicant submitted a complete Agricultural Water Management Plan (AWMP) to DWR? Has the AWMP been verified as complete by DWR? Please provide documentation from DWR that verifies the 2015 AWMP addresses the relevant Water Code requirements. If the AWMP has not been submitted, please indicate the anticipated submittal date? If the applicant is not an agricultural water supplier, please indicate so.

SBCWD is an agricultural water supplier required to submit a 2015 AWMP. The plan was submitted to DWR in October 2015 and determined to be in compliance with US Bureau of Reclamation. AWMP compliance documentation is provided in this attachment.



Is the applicant a surface water diverter? If yes, has the applicant submitted to the State Water Resources Control Board (SWRCB) their surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with Section 5100) of Division 2 of the Water Code? Please submit SWRCB verification documentation. If the reports have not been submitted, explain and provide the anticipated date for meeting the requirements. If the applicant is not a surface water diverter, please indicate so.

SBCWD is a surface water diverter and holds three licenses. They are currently in compliance with State Water Resources Control Board (SWRCB) surface water diversion requirements and has submitted the required surface water diversion reports to SWRCB. Surface water diversion reports for SBCWD can be found on SWRCB's Electronic Water Rights Information Management System (eWRIMS) and are included in this attachment.



San Benito County Water District

30 Mansfield Road • P.O. Box 899 • Hollister, CA 95024-0899 • (831) 637-8218 • Fax (831) 637-7267

Ms. Mary Scruggs
CASGEM Program
901 P Street
Sacramento, CA 95814

RE: Statement of Intent to Comply with the Requirements of Water Code Part 2.11
San Benito County Water District, Hollister, California

Ms. Scruggs,

The San Benito County Water District (SBCWD) is a Special District serving as the groundwater management agency for San Benito County. The SBCWD plans to undertake the role of Monitoring Entity for the following designated groundwater basins and subbasins within San Benito County:

- Bolsa Area Subbasin of the Gilroy-Hollister Basin (Subbasin 3-3.02)
- Hollister Area Subbasin of the Gilroy-Hollister Basin (Subbasin 3-3.03)
- San Juan Bautista Area Subbasin of the Gilroy-Hollister Basin (Subbasin 3-3.04)
- Santa Ana Valley Basin (Basin 3-22)
- Upper Santa Ana Valley Basin (Basin 3-23)
- Quien Sabe Valley Basin (Basin 3-24)
- Tres Pinos Valley Basin (Basin 3-25)
- San Benito River Valley Basin (Basin 3-28)
- Dry Lake Valley Basin (Basin 3-29)
- Bitter Water Valley Basin (Basin 3-30)
- Hernandez Valley Basin (Basin 3-31)
- Panoche Valley Basin (Basin 5-23)
- Vallecitos Creek Valley Basin (Basin 5-71)

In accordance with the requirements of Water Code Section 10928 (a)(4), we are filing this statement indicating that we will comply with all of the requirements included in Water Code Part 2.11 as they pertain to the designated groundwater basins and subbasins listed above.

Sincerely,

Jeff F. Cattaneo, PE
District Manager
San Benito County Water District



- Home
- Notifications
- Well Information
- View Map
- Reports
- My Profile
- Sign Out

Public: Report of Monitoring Entities and Basin Monitoring Status

Filter Report

Select a Filtering Criteria

- By Authority Type
- By Region Office
- By Groundwater Basin/Subbasin number and name

Basin Number / Name

- 3-003.01 Liagas Area
- 3-003.02 Bolsa Area
- 3-003.03 Hollister Area
- 3-003.04 San Juan Bautista Area
- 3-004.01 180/400 Foot Aquifer
- 3-004.02 East Side Aquifer
- 3-004.04 Forebay Aquifer

Run Report **Clear Selection**

1 of 1 Export to the selected format Export

Monitoring Entities

Monitoring Entity	Groundwater Basin/Subbasin Name	Groundwater Basin/Subbasin Number	Authority Type	Last Elevation Data Submitted	Associated Well Count
San Benito County Water District	Bolsa Area	3-003.02	Ground Water Management Agency	7/26/2017 6:10:00 PM	17
San Benito County Water District	Hollister Area	3-003.03	Ground Water Management Agency	7/25/2017 5:55:00 AM	43
San Benito County Water District	San Juan Bautista Area	3-003.04	Ground Water Management Agency	8/8/2017 9:00:00 AM	57

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



October 6, 2017

Shawn Novak
Water Conservation Program Manager
City of Hollister
30 Mansfield Road
Hollister, California 95023

RE: Urban Water Management Plan Requirements Addressed

Dear Mr. Novak:

The Department of Water Resources (DWR) has reviewed the City of Hollister's 2015 Urban Water Management Plan (UWMP) received on September 8, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the City of Hollister's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the City of Hollister's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning, please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "Vicki Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:

Maureen Reilly
Henry Gonzales

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



October 23, 2017

Shawn Novak
Water Conservation Program Manager
San Benito County Water District
30 Mansfield Road
Hollister, California 95023

RE: Urban Water Management Plan Requirements Addressed

Dear Mr. Novak:

The Department of Water Resources (DWR) has reviewed the San Benito County Water District's 2015 Urban Water Management Plan (UWMP) received on September 8, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the San Benito County Water District's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the San Benito County Water District's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning, please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:

Maureen Reilly
Jeff Cattaneo

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



October 6, 2017

Shawn Novak
Water Conservation Program Manager
Sunnyslope Community Water District
30 Mansfield Road
Hollister, California 95023

RE: Urban Water Management Plan Requirements Addressed

Dear Mr. Novak:

The Department of Water Resources (DWR) has reviewed the Sunnyslope Community Water District's 2015 Urban Water Management Plan (UWMP) received on September 8, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the Sunnyslope Community Water District's 2015 plan has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter acknowledges that the Sunnyslope Community Water District's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning, please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc:

Maureen Reilly
Don Ridenhour

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



October 23, 2017

Shawn Novack
Water Conservation Program Manager
Hollister Urban Area Alliance
30 Mansfield Road
Hollister, California 95023

RE: Regional Alliance Requirements Addressed

Dear Mr. Novack,

The Department of Water Resources (DWR) has reviewed the Hollister Urban Area Alliance received on September 1, 2016. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted Urban Water Management Plans (UWMPs). In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs and their corresponding reports, including reports from associated Regional Alliances.

This letter acknowledges that DWR's review has found that the Hollister Urban Area Alliance addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies.

If you have any questions regarding the review of the Alliance or urban water management plan,ing please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read "V. Lake".

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740
Electronic cc:
Maureen Reilly
Henry Gonzales

2015

Hollister Urban Area Urban Water Management Plan

July 2016



TODD 
GROUNDWATER



Sunnyslope 
County Water District

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PUBLIC DRAFT July 2016

**HOLLISTER
URBAN
AREA**

**2015 URBAN WATER
MANAGEMENT PLAN**

Date Plan Submitted to the Department of Water Resources: _____

San Benito County Water District
Sunnyslope County Water District
City of Hollister

Todd Groundwater

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5.6 2015 AND 2020 TARGETS

Four methods are allowed by Senate Bill 7 for calculating the 2015 and 2020 water use targets. The first method is to simply calculate 90 and 80 percent of the baseline daily per capita water use as the 10 percent reduction for 2015 and 20 percent reduction for 2020. This first method was used for the HUA because it is the most applicable to the available data as well as the water use and demographic characteristics of the HUA. Target water use in 2020 should be 80 percent of baseline daily per capita water use. For the HUA, the calculated 2020 water use target is 126 gpcd ($157 \text{ gpcd} \times 0.80 = 125.6 \text{ gpcd}$). The regional calculation is shown in **SB X7-7 Table 7A**.

Water Code requires that the HUA also calculate the minimum water use reduction requirement because the five-year baseline per capita water use is greater than 100 gpcd (Water Code Section 10608.22). The minimum reduction requirement, **SB X7-7 Table 7F**, ensures that the retailers, regardless of method used to generate future targets, will reduce water demand by an adequate amount. The target 2020 per capita water use target cannot exceed 95 percent of the 5-year baseline water use. For the HUA, the 2020 minimum water use target is 147 gpcd ($0.95 \times 155 \text{ gpcd} = 147.25 \text{ gpcd}$). The calculated water use target from Method 1 above is a smaller volume than the minimum reduction requirement (126 gpcd versus 147 gpcd). Therefore, the retailers meet the minimum reduction requirement and are free to use the target calculated by Method 1.

Water Code also requires that 2015 UWMPs track progress towards meeting the 2020 goal of 20 percent water use reductions. DWR has established a target requirement for 2015 that is halfway to the 2020 target. The HUA regional water use target for 2015 is 142 gpcd (the average of the baseline use and 2020 target values). The HUA regional 2015 and 2020 water use targets are shown in **SB X7-7 Table 8**. The 2020 target per capita water use of 126 gpcd applies to all years beyond 2020, including the five year increments used throughout this UWMP (i.e. 2025, 2030, and 2035).

5.7 2015 COMPLIANCE DAILY PER CAPITA WATER USE

SB X7-7 Table 9 compares actual 2015 per capita use to the interim target. While DWR allows optional adjustments to the interim target, these allowances do not apply to the HUA. Based on estimated population (using the DWR population tool) and gross water use, the actual 2015 per capita daily water use was 103 gpcd. The HUA not only met, but exceeded the interim goal of 142 gpcd.

5.8 WHOLESALER PARTICIPATION

As the wholesaler, the District is not required to establish and meet baseline and targets for daily per capita water use. However, wholesale agencies are required to provide an assessment of their present and proposed future measures, programs and policies that will help the retail water suppliers meet water use targets. These demand management programs are administered by the WRA, which is funded in large part by the District. The demand management programs and DMMs developed and administered by the WRA are detailed in **Section 9**.

5. BASELINES AND TARGETS

In the 2015 Plan, water agencies must demonstrate compliance with their established water use target for the year 2015. This will also demonstrate whether or not the agency is currently on track to achieve its 2020 target. Compliance is verified by DWR's review of the SB X7-7 Verification Form submitted with an agency's 2015 UWMP. The SB X7-7 Verification Form, which includes all Tables labeled SBX7-7, is described in this section and included in **Appendix F** and summarized in **Tables 5-1 and 5-2**. The process for defining baseline water use and calculating target water use was defined by DWR. This process includes the identification of a suitable baseline period, estimation of the population served for all years in the baseline period, compilation of gross water use for each year of the baseline period, estimation of daily per capita water use for each year in the baseline period, and calculation of water use targets for 2015 and 2020.

5.1 UPDATED CALCULATIONS FROM 2010 UWMP

In the 2010 UWMP, the regional gross water use, baselines, and targets were calculated for Hollister and Sunnyslope separately and then the region's goals were presented as a weighted average of the two agencies. During review of the 2010 UWMP, DWR requested revision of the gross water use estimate. Because flow from the Lessalt WTP to the agencies is not always monitored discretely for each service area, gross water use for the baseline period must be calculated as a regional total (Huff, 2011). This revised gross water use affected the calculated baseline per capita daily use and the per capita demand targets. The revised regional totals from the 2010 UWMP process are included in **Appendix F**, and the methodologies for calculating baseline per capita daily water use and target water use are described below.

Throughout this section, the two retailers are treated as one regional alliance.

5.2 BASELINE PERIOD

In accordance with Senate Bill 7, water suppliers must define a 10- or 15-year water use Base Period. This Base Period is used to calculate a Base Daily per Capita Water Use, which is the baseline for computation of required future reductions. Senate Bill 7 requires retailer to reduce per capita daily water use 10 percent by 2015 and 20 percent by 2020, as compared to Base Daily per Capita Water Use. Because no recycled water was supplied within the HUA in 2008, a 10-year base period is required.

The baseline period selected for the HUA is 1996 through 2005. This period was representative of water use for each retailer; water use in more recent years was artificially low because of drought and economic factors. Base period information including the full 10 year period and the 5-year base period used to calculate the minimum Water Use Reduction Requirement is shown in **SBX7-7 Table 1**, located in **Appendix F**.

5.3 SERVICE AREA POPULATION

Calculation of per capita daily water use for the baseline period requires annual estimates of population. DWR developed an online tool designed specifically for estimating annual population within UWMP areas for baseline and target years. This tool is based on 2010 United States Census (Census) data. The population estimates used in this UWMP were derived from DWR's tool, as noted on **SBX7-7 Table 2**. The Hollister and Sunnyslope populations were estimated separately and added together to produce annual estimates of population for the entire HUA. The first step is to estimate population of the service areas using US Census data. As noted on **SBX7-7 Table 2**, the online population tool provided for UWMP was used and the total population for HUA is shown in **SBX7-7 Table 3**.

5.4 GROSS WATER USE

HUA annual gross water use for the baseline period was calculated for the region rather than for the individual agencies separately. As noted above, this is required because Lessalt WTP water deliveries are not measured separately for the Hollister and Sunnyslope service areas. Regional gross water use for the HUA is shown in **SB X7-7 Table 4**.

Gross water use includes all water into the system, which comes from the following sources:

- CVP imported water – total flow in to the Lessalt WTP is metered; flow out to Hollister and Sunnyslope is not individually measured
- Hollister produced groundwater –monitored at the point of production (e.g. wells)
- Sunnyslope produced groundwater –monitored at the point of production (e.g. wells)
- Unaccounted for water – losses, etc.

The contribution of each of these water sources are shown in **SB X7-7 Table 4 A**.

5.5 BASELINE DAILY PER CAPITA WATER USE

The annual population estimates and gross water use data for the HUA were used to calculate per capita daily water use for each year of the baseline period, as shown in **SB X7-7 Table 5**. This is a simple calculation wherein the annual gross water use is converted to average daily water use and then divided by population for each year. As shown in **SB X7-7 Table 5** baseline per capita daily water use for the HUA was 157 gallons per capita day (gpcd).

SB X7-7 Table 5 includes calculations of the five-year baseline per capita water use for the HUA. The five-year baseline period was 2003 through 2007 as noted above, and the same period was used for both agencies. Average per capita daily water use during this five year period in the HUA was 155 gpcd.

SB X7-7 Table 5 also shows estimated per capita daily water use for 2015, which was 103 gpcd. Baseline and 2015 daily per capita water use estimates are summarized in **SB X7-7 Table 6**.

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Table 5-1 Baselines and Targets Summary*Retail Agency or Regional Alliance Only*

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1996	2005	157	142	126
5 Year	2003	2007	155		

*All values are in Gallons per Capita per Day (GPCD)

NOTES:

Table 5-2: 2015 Compliance

*Retail Agency or Regional Alliance Only**

Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments to 2015 GPCD "0" for adjustments not used <i>Methodology 8</i>					Enter <i>From</i>	2015 GPCD <i>(Adjusted if applicable)</i>	Did Supplier Achieve Targeted Reduction for 2015? Y/N
		Extraordinary Events	Economic Adjustment	Weather Normalization	TOTAL Adjustments	Adjusted 2015 GPCD			
103	142				0	103	103	Yes	

**All values are in Gallons per Capita per Day (GPCD)*

NOTES:

2015 Agricultural Water Management Plans List

2015 Agricultural Water Management Plans List

SBX 7-7 Plans

- [Alta ID Water Management Plan](#)
 - [Vol 1 of 4](#)
 - [Vol 2 of 4](#)
 - [Vol 3 of 4](#)
 - [Vol 4 of 4](#)

- [Browns Valley ID 2016 AWMP](#)
- [Buena Vista 2015 AWMP](#)
- [Butte WD 2016 AWMP](#)
- [Camrosa WD 2015 AWMP](#)
- [Carpinteria Valley WD 2015 AWMP](#)
- [Casitas MWD 2016 UWMP-AWMP](#)
- [Cawelo WD 2016 AWMP](#)
- [Corcoran AWMP Prepared Pursuant to Water Code Section 10826](#)
- [Consolidated ID 2016 AWMP](#)
- [Dudley Ridge 2015 AWMP](#)
- [Feather River Regional AWMP](#)
 - [Biggs-West Gridley WD 2015 AWMP](#)
 - [Richvale Irrigation District \(2015 AWMP Update\)](#)
 - [Western Canal Water District \(WCWD\)](#)

- [KernDelta WD 2015 AWMP](#)
- [Laguna ID AWMP 2015](#)
- [Lone Tree MWC 2016 AWMP](#)
- [Merced ID 2015 AWMP](#)
- [Modesto ID 2015 AWMP](#)
- [North Kern WSD 2015 AWMP](#)
- [Oakdale ID 2015 AWMP](#)
- [Orland Unit WUA AWMP 2017](#)
- [Rancho California WD 2015 AWMP UPDATE](#)
- [RD #2068 2016 AWMP](#)
- [Reclamation District #2035 2016 AWMP](#)
- [Riverdale ID 2016 AWMP](#)
- [San Diego Regional 2015 AWMP \[Part 1\]\(#\) | \[Part 2\]\(#\)](#)

- [Semitropic WSD 2015 AWMP](#)
- [South San Joaquin ID AWMP 2015](#)
- [South Sutter WD 2015 AWMP](#)
- [Sutter Extension WD 2016 AWMP Final](#)
- [Turlock ID 2015 AWMP](#)
- [Ventura Co 2015 AWMP](#)
- [Wheeler Ridge-Maricopa 2015 AWMP](#)
- [Woodbridge ID 2016 AWMP](#)
- [Yolo County Flood Control and Water Conservation District](#)
- [Yuba Co WA 2015 AWMP](#)

Federal Plans

- [Arvin-Edison Water Basin plan](#)
- [Banta-Carbona ID 2015 WMP](#)
- [Central California ID WMP FINAL 6-2014](#)
- [Chowchilla WD 2015 Update](#)
- [Columbia Canal Co 2012 WMP](#)
- [Colusa Co WD WMP Oct2014](#)
- [Delano-Earlimart ID WMP](#)
- [Firebaugh Canal WD 2011 WMP](#)
- [Fresno Irrigation District Agricultural Water Management Plan](#)
- [Sacramento River Settlement Contractors WMP](#)
 - [RD 108 Water Measurement Program](#)
 - [Sutter Mutual WC Water Measurement Program](#)
 - [Sacramento River Settlement Contractors WMP 9.13.13 Update](#)
 - [GCID Water Measurement Compliance 2016 Update](#)
 - [Sacramento River Settlement Contractors 2016 Drought Mgmt Plan](#)
- [James ID 2016 AWMP](#)
- [Kern-Tulare WD 2016 AWMP](#)
- [Lindmore ID 2016 WMP & Supplemental Report](#)
- [Lower Tule River 2012 WMP Update](#)
- [Madera ID WMP 2014-04-01](#)
- [Maine Prairie WD 2015 WMP 2.2017](#)
- [Orange Cove ID 2015 WCP & Addendum](#)
- [Orland-Artois WD 2015 WMP](#)
- [Panoche WD WCP Final 3-24-14](#)

- >> [Patterson ID WMP 2016 Update](#)
- >> [Pixley ID 2012 WMP Update](#)
- >> [San Benito COWD 2015 WMP](#)
- >> [San Luis Canal Co WMP Final 6-2014](#)
- >> [San Luis WD 2015 Supplement Report](#)
- >> [Shafter-Wasco ID 2015 Addendum to WMP](#)
- >> [Solano ID 2015 AWMP](#)
- >> [Stockton-East WD 2015 AWMP 2017.08.01](#)
- >> **Tulare ID Water Management Plan**
 - >> [Agricultural Water Measurement Master Plan](#)
 - >> [Drought Management Plan](#)
 - >> [Water Management Plan 2010](#)
 - >> [Water Supply Summary](#)
- >> [West Stanislaus ID 2014 WMP](#)
- >> **Westlands WD Water Mangement Plan**
 - >> [Westlands WD Water Shortage Contingency Plan 4.13.2017](#)
 - >> [Westlands WD WMP 2012](#)
 - >> [Westlands WD Worksheet Supply and Demand Final 4.13.2017](#)
 - >> [Water Supply Summary](#)
- >> [Westside WD 2013 WMP](#)

AGRICULTURAL WATER MANAGEMENT PLAN

Prepared Pursuant to Water Code Section 10826



OCTOBER 2015

San Benito County Water District

Jeff Cattaneo, District Manager/PE

30 Mansfield Road, Hollister, CA 95023

Adopted on: October 28th, 2015



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Reports Submitted for A017782

Year	Type	Date Received	Action
2015	Report of Licensee	08/22/2016	View
2014	Report of Licensee	07/15/2015	View
2013	Report of Licensee	06/18/2014	View
2012	Report of Licensee	05/17/2013	View
2011	Report of Licensee	05/16/2013	View
2011	Report of Licensee	06/07/2012	View
2010	Report of Licensee	05/16/2013	View
2010	Report of Licensee	06/24/2011	View
2009	Report of Licensee	04/11/2013	View
2009	Report of Licensee	03/22/2010	View
2008	Report of Licensee	04/11/2013	View
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2007	Report of Licensee	04/11/2013	View
2007	Report of Licensee	03/22/2010	View

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[SUMMARY OF FINAL SUBMITTED VERSION]**REPORT OF LICENSEE FOR 2015**

Primary Owner: SAN BENITO COUNTY WATER DISTRICT
 Primary Contact: SAN BENITO COUNTY WATER DISTRICT

Date Submitted: 08/22/2016

Application Number: A008642
 Permit Number: 005167

Source(s) of Water	POD Parcel Number	County
DOS PICACHOS CREEK		San Benito

MAX Direct Diversion Rate: 4.75 CFS
 MAX Collection to Storage: 0 AC-FT
 Face Value: 1432.1 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Irrigation	370	12/01 to 05/01	

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
---	-----

Description of noncompliance with terms and conditions	N/A
--	-----

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Irrigation	370 Acres Other
------------	-----------------

5. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0

May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	0	0	0
Type of Diversion	No Diversion		
Comments	No runoff to divert (drought).		

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	0
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	Other: N/A

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	Other: None
8k. Other provider	N/A
8l. Contract number	N/A
8m. Source from which contract water was diverted	N/A
8n. Point of diversion same as identified water right	No
8o. Amount (Acre-Feet) authorized to divert under this contract	0
8p. Amount (Acre-Feet) authorized to be diverted in 2015	0
8q. Amount (Acre-Feet) projected for 2016	0
8r. Exchange or settlement of prior rights	No
8s. All monthly reported diversion claimed under the prior rights	No
8t. Amount (Acre-Feet) of reported diversion solely under contract	0

6. Maximum Rate of Diversion for each Month	
Month	Maximum Rate of Diversion (GPM)
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0
November	0

December

0

7. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water	
8. Are you now employing water conservation efforts?	No
Description of water conservation efforts	
9. Amount of water conserved	

Water Quality and Wastewater Reclamation	
10. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
11. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
12. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
13. Amounts of groundwater used	

Additional Remarks	

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	David
Last Name	Macdonald
Relation to Water Right	Other: Authorized Official
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]**REPORT OF LICENSEE FOR 2015**

Primary Owner: SAN BENITO COUNTY WATER DISTRICT
 Primary Contact: SAN BENITO COUNTY WATER DISTRICT

Date Submitted: 08/22/2016

Application Number: A002937
 Permit Number: 002997

Source(s) of Water	POD Parcel Number	County
SAN BENITO RIVER		San Benito

MAX Direct Diversion Rate: 0 GPD
 MAX Collection to Storage: 7000 AC-FT
 Face Value: 7000 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Irrigation	19505		10/01 to 06/01

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
---	-----

Description of noncompliance with terms and conditions	
--	--

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Domestic	49000
Irrigation	19505 Acres Other

5. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	0	0
February	0	0	0
March	0	0	0

April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	0	0	0

Type of Diversion No Diversion

Comments Flow of water was not sufficient to divert water due to drought conditions.

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	0
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	Other: N/A

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	Other: N/A
8k. Other provider	N/A
8l. Contract number	N/A
8m. Source from which contract water was diverted	N/A
8n. Point of diversion same as identified water right	No
8o. Amount (Acre-Feet) authorized to divert under this contract	0
8p. Amount (Acre-Feet) authorized to be diverted in 2015	0
8q. Amount (Acre-Feet) projected for 2016	0
8r. Exchange or settlement of prior rights	No
8s. All monthly reported diversion claimed under the prior rights	No
8t. Amount (Acre-Feet) of reported diversion solely under contract	0

6. Maximum Rate of Diversion for each Month	
Month	Maximum Rate of Diversion (GPM)
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0

November 0
December 0

7. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Paicines	No	17	Yes		Visual Estimate

Conservation of Water	
8. Are you now employing water conservation efforts?	No
Description of water conservation efforts	
9. Amount of water conserved	

Water Quality and Wastewater Reclamation	
10. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
11. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
12. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
13. Amounts of groundwater used	

Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	David
Last Name	Macdonald
Relation to Water Right	Other: Authorized Official
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]**REPORT OF LICENSEE FOR 2015**

Primary Owner: SAN BENITO COUNTY WATER DISTRICT
 Primary Contact: SAN BENITO COUNTY WATER DISTRICT

Date Submitted: 08/22/2016

Application Number: A017782
 Permit Number: 011404

Source(s) of Water	POD Parcel Number	County
SAN BENITO RIVER		San Benito

MAX Direct Diversion Rate: 0 GPD
 MAX Collection to Storage: 18700 AC-FT
 Face Value: 18700 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Recreational	0		10/01 to 06/01
Irrigation	27564		10/01 to 06/01

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	N/A

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Domestic	49000
Irrigation	27564 Acres Other

5. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	0	0
February	0	0	0

March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	0	0	0
Type of Diversion	No Diversion		
Comments	Due to drought conditions, no water was diverted for this year.		

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	0
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	Other: N/A

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	Other: None
8k. Other provider	N/A
8l. Contract number	N/A
8m. Source from which contract water was diverted	N/A
8n. Point of diversion same as identified water right	No
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	No
8s. All monthly reported diversion claimed under the prior rights	No
8t. Amount (Acre-Feet) of reported diversion solely under contract	0

6. Maximum Rate of Diversion for each Month	
Month	Maximum Rate of Diversion (GPM)
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0

October	0
November	0
December	0

7. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Hernandez	No	58	No	58	Elevation Markers

Conservation of Water	
8. Are you now employing water conservation efforts?	No
Description of water conservation efforts	
9. Amount of water conserved	

Water Quality and Wastewater Reclamation	
10. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
11. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
12. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
13. Amounts of groundwater used	

Additional Remarks	

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	David
Last Name	Macdonald
Relation to Water Right	Other: Authorized Official
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes



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Year	Type	Date Received	Action
2015	Report of Licensee	08/22/2016	View
2014	Report of Licensee	07/15/2015	View
2013	Report of Licensee	06/18/2014	View
2012	Report of Licensee	05/17/2013	View
2011	Report of Licensee	08/09/2013	View
2011	Report of Licensee	06/07/2012	View
2010	Report of Licensee	06/24/2011	View
2009	Report of Licensee	03/22/2010	View
2008	Report of Licensee	03/22/2010	View
2007	Report of Licensee	02/06/2014	View
2007	Report of Licensee	03/22/2010	View

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2014	Report of Licensee	07/15/2015	View
2013	Report of Licensee	06/18/2014	View
2012	Report of Licensee	05/17/2013	View
2011	Report of Licensee	07/18/2013	View
2011	Report of Licensee	06/07/2012	View
2010	Report of Licensee	07/18/2013	View
2010	Report of Licensee	06/24/2011	View
2009	Report of Licensee	07/19/2013	View
2009	Report of Licensee	03/22/2010	View
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2008	Report of Licensee	03/22/2010	View
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2014	Report of Licensee	07/15/2015	View
2013	Report of Licensee	06/18/2014	View
2012	Report of Licensee	05/17/2013	View
2011	Report of Licensee	05/16/2013	View
2011	Report of Licensee	06/07/2012	View
2010	Report of Licensee	05/16/2013	View
2010	Report of Licensee	06/24/2011	View
2009	Report of Licensee	04/11/2013	View
2009	Report of Licensee	03/22/2010	View
2008	Report of Licensee	04/11/2013	View
2008	Report of Licensee	03/22/2010	View
2007	Report of Licensee	04/11/2013	View
2007	Report of Licensee	03/22/2010	View

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STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

ORDER

APPLICATION 2937

PERMIT 2997

LICENSE 5562

ORDER ALLOWING CHANGE IN DESCRIPTION OF THE PROJECT

WHEREAS:

1. License 5562 was issued to Hollister Irrigation District and was filed with the County Recorder of San Benito County on March 26, 1959.
2. License 5562 was subsequently assigned to San Benito County Water Conservation and Flood Control District.
3. A petition for change in the description of the point where water is released from storage into a stream has been filed with the State Water Resources Control Board and said Board has determined that good cause for such change has been shown.
4. The Board has determined that the petitioned change does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.
5. The condition pertaining to the continuing authority of the Board needs to be updated to conform to standard permit license term as contained in Section 780(a), Title 23, California Code of Regulations.

NOW, THEREFORE, IT IS ORDERED THAT:

1. The point where stored water is released into Tres Pinos Creek under this license shall be as follows:

Water is released to Tres Pinos Creek within projected Section 11, T14S, R6E MDB&M, for spreading purposes and later recaptured by pumping from wells.

2. The Board's continuing authority provisions in this license shall be amended to incorporate Section 780(a), Title 23, California Code of Regulations which reads as follows:

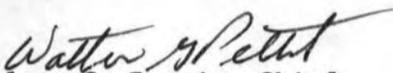
Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this license, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this license with a view to eliminating waste of water and to meeting the reasonable water requirements of licensee without unreasonable draft on the source. Licensee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the

water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this license and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the licensee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

Dated: **MAY** 13 1988


Walter G. Pettit, Chief
Division of Water Rights

4



STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

License for Diversion and Use of Water

APPLICATION 2937

PERMIT 2997

LICENSE 5562

THIS IS TO CERTIFY, That

Hollister Irrigation District
c/o E. R. Hanna, County Surveyor
3220 Southside Road
Hollister, California

Notice of Assignment (Over)

has made proof as of May 9, 1956

(the date of inspection) to the satisfaction of the State Water Rights Board of a right to the use of the water of San Benito River in San Benito County

tributary to Pajaro River

for the purpose of irrigation use under Permit 2997 of the State Water Rights Board and that said right to the use of said water has been perfected in accordance with the laws of California, the Rules and Regulations of the State Water Rights Board and the terms of the said permit; that the priority of the right herein confirmed dates from July 21, 1922 and that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to the amount actually beneficially used for said purposes and shall not exceed seven thousand (7000) acre-feet per annum to be collected from about October 1 of each year to about June 1 of the succeeding year.

The maximum rate of diversion to offstream storage has been 120 cubic feet per second.

The point of diversion of such water is located:

South two thousand four hundred seventy-five (2475) feet and south seventy-three degrees twenty minutes west (S73°20'W), one thousand eight hundred sixty (1860) feet from NE corner of Section 1, T15S, R6E, MDB&M, being within NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of said Section 1.

Water is returned to San Benito River within projected Section 15, T14S, R6E, MDB&M, for spreading purposes and later recaptured by pumping from wells.

A description of the lands or the place where such water is put to beneficial use is as follows:

19,505 acres within the boundaries of Hollister Irrigation District and as shown on map filed with State Water Rights Board.

All rights and privileges under this license including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time to time by the State Water Rights Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: MAR 24 '59

L. K. Hill
L. K. Hill
Executive Officer



4-30-63 RECEIVED NOTICE OF ASSIGNMENT TO *San Benito*

County Water Cons + Flood Control District

4/6/89 name chg: San Benito County Water Dist.

LICENSE 5562

STATE OF CALIFORNIA
STATE WATER RIGHTS BOARD

LICENSE
TO APPROPRIATE WATER

ISSUED TO Hollister Irrigation District

DATED MAR 24 '59



STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

License for Diversion and Use of Water

APPLICATION 8642

PERMIT 5167

LICENSE 4987

THIS IS TO CERTIFY, That

Hollister Irrigation District
c/o E. R. Hanna
3220 Southside Road, Hollister, California

Notice of Assignment (Over)

have made proof as of May 9, 1956
(the date of inspection) to the satisfaction of the State Water Rights Board of a right to the use of the water of
Dos Picachos Creek in San Benito County

tributary to Pajaro River

for the purpose of irrigation use
under Permit 5167 of the State Water Rights Board and that said right to the use of said water has been
perfected in accordance with the laws of California, the Rules and Regulations of the State Water Rights Board and the
terms of the said permit; that the priority of the right herein confirmed dates from April 23, 1936;
and that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited
to the amount actually beneficially used for said purposes and shall not exceed four and seventy-five hundredths
(4.75) cubic feet per second to be diverted from about December 1 of each year to about
May 1 of the succeeding year.

The equivalent of such continuous flow allowance for any thirty day period may
be diverted in a shorter time if there be no interference with other vested rights.

The point of diversion of such water is located north thirty-one degrees six minutes east
(N31°06'E) two hundred sixty (260) feet from NW corner of Section 21, T12S, R6E, MDB&M
being within SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of projected Section 16, T12S, R6E, MDB&M.

A description of the lands or the place where such water is put to beneficial use is as follows:

80 acres within Section 12, T12S, R5E, MDB&M
170 acres within Section 13, T12S, R5E, MDB&M
120 acres within Section 19, T12S, R6E, MDB&M
370 acres total as shown on map filed with State Water Rights Board.

Diversion may be made under this license only at such times as the flow of
Dos Picachos Creek reaches to or beyond the confluence of that stream with Arroyo
de las Viboras.

All rights and privileges under this license including method of diversion, method of use and quantity of water
diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the
interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of
diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time
to time by the State Water Rights Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein
specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

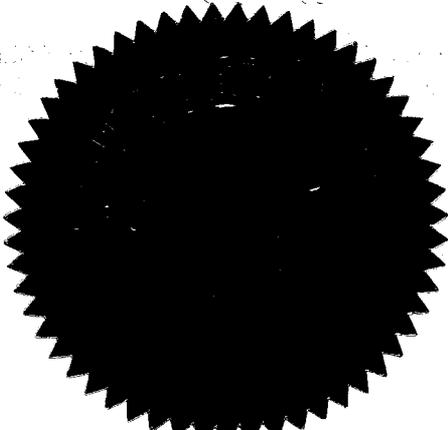
Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: MAR 24 '58

STATE WATER RIGHTS BOARD

By Leslie C. Jopson
LESLIE C. JOPSON
Chief Engineer



11-17-61 RECEIVED NOTICE OF ASSIGNMENT TO San Benito Co.
Water Cons. & Flood Control District
4/6/89 name chg. to: San Benito County Water Dist.

LICENSE 4987

STATE OF CALIFORNIA
STATE WATER RIGHTS BOARD

LICENSE
TO APPROPRIATE WATER

ISSUED TO Hollister Irrigation District

DATED MAR 24 1958

DATED

84170 4-57 BM © SPO

2



STATE OF CALIFORNIA
THE RESOURCES AGENCY
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

License for Diversion and Use of Water

APPLICATION 17782

PERMIT 11404

LICENSE 9739

THIS IS TO CERTIFY, That

SAN BENITO COUNTY WATER CONSERVATION AND FLOOD CONTROL DISTRICT
ROOM 206, COURTHOUSE, HOLLISTER, CALIFORNIA 95023 *(over)*

HAS made proof as of SEPTEMBER 30, 1970 *(the date of inspection)*
to the satisfaction of the State Water Resources Control Board of a right to the use of the water of
SAN BENITO RIVER IN SAN BENITO COUNTY

tributary to PAJARO RIVER THENCE MONTEREY BAY

for the purpose of IRRIGATION AND RECREATIONAL USES
under Permit 11404 of the Board and that the right to the use of this water has been perfected
in accordance with the laws of California, the Regulations of the Board and the permit terms; that the
priority of this right dates from AUGUST 19, 1957 and that the amount of water to which
this right is entitled and hereby confirmed is limited to the amount actually beneficially used for the stated
purposes and shall not exceed EIGHTEEN THOUSAND SEVEN HUNDRED (18,700) ACRE-Feet PER
ANNUM, TO BE COLLECTED FROM OCTOBER 1 OF EACH YEAR TO JUNE 1 OF THE SUCCEEDING
YEAR. THE MAXIMUM WITHDRAWAL IN ANY ONE YEAR SHALL NOT EXCEED 18,400 ACRE-Feet.

THE POINT OF DIVERSION OF SUCH WATER IS LOCATED:

SOUTH 76° WEST 3,500 FEET FROM NE CORNER OF SECTION 1, T18S, R10E, MDB&M,
BEING WITHIN NE1/4 OF NW1/4 OF SAID SECTION 1.

A DESCRIPTION OF LANDS OR THE PLACE WHERE
SUCH WATER IS PUT TO BENEFICIAL USE IS AS FOLLOWS:

RECREATIONAL USE AT HERNANDEZ RESERVOIR AND IRRIGATION OF 27,564 ACRES WITHIN
THE BOUNDARIES OF ZONE No. 3 OF THE SAN BENITO COUNTY WATER CONSERVATION AND
FLOOD CONTROL DISTRICT, AS SHOWN ON MAP FILED WITH STATE WATER RESOURCES CONTROL
BOARD.

WATER WILL BE RETURNED TO SAN BENITO RIVER WITHIN SECTION 1, T18S, R10E,
MDB&M FOR SPREADING PURPOSES AND LATER RECOVERED BY PUMPING FROM WELLS.

4/6/89 - ~~San Benito~~ Name Change San Benito County Water District

Licensee shall allow representatives of the Board and other parties, as may be authorized from time to time by the Board, reasonable access to project works to determine compliance with the terms of this license.

All rights and privileges under this license including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

Reports shall be filed promptly by licensee on appropriate forms which will be provided for the purpose from time to time by the Board.

The right hereby confirmed to the diversion and use of water is restricted to the point or points of diversion herein specified and to the lands or place of use herein described.

This license is granted and licensee accepts all rights herein confirmed subject to the following provisions of the Water Code:

Section 1625. Each license shall be in such form and contain such terms as may be prescribed by the Board.

Section 1626. All licenses shall be under the terms and conditions of this division (of the Water Code).

Section 1627. A license shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code) but no longer.

Section 1628. Every license shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a license is issued takes the license subject to the conditions therein expressed.

Section 1629. Every licensee, if he accepts a license does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any license granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any licensee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any licensee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Section 1630. At any time after the expiration of twenty years after the granting of a license, the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State shall have the right to purchase the works and property occupied and used under the license and the works built or constructed for the enjoyment of the rights granted under the license.

Section 1631. In the event that the State, or any city, city and county, municipal water district, irrigation district, lighting district, or political subdivision of the State so desiring to purchase and the owner of the works and property cannot agree upon the purchase price, the price shall be determined in such manner as is now or may hereafter be provided by law for determining the value of property taken in eminent domain proceedings.

Dated: APR 15 1971

STATE WATER RESOURCES CONTROL BOARD

K. L. Woodward
Chief, Division of Water Rights

2



ATTACHMENT 3

Project Justification

Category 2 Project Justification. This attachment includes a summary of the proposed project and the technical justification. In addition, the project's financial need and support for the project are described.

Project Support documentation includes the MOU with Santa Clara Valley Water District, the program from the 2017 San Benito County Water Forum, presentations to the County Board of Supervisors and the Water Forum and support letters. To date SBCWD has received support letters from:

- Aromas Water District
- County of San Benito Administrative Office
- City of Hollister
- San Benito County Farm Bureau
- Pajaro Valley Water Management Agency
- Santa Clara Valley Water District
- Sunnyslope County Water District



Proposal Summary

The San Benito County Water District (SBCWD) has authority and responsibility for groundwater management throughout San Benito County. SBCWD's service area encompasses the entire Bolsa Subbasin and almost the entire Hollister and San Juan Bautista Subbasins. In May 2017, SBCWD became the GSA for the Bolsa Subbasin and for the Hollister and San Juan Bautista Subbasins within San Benito County. Similarly, Santa Clara Valley Water District (SCVWD) became the GSA for the portions of the Hollister and San Juan Bautista subbasins in Santa Clara County. Subsequently, SBCWD and SCVWD executed a Memorandum of Understanding (MOU), which sets forth their respective roles and responsibilities in GSP preparation for the shared subbasins. SBCWD is responsible for managing Bolsa Subbasin and seeks preparation of a single GSP for all three subbasins, in collaboration with SCVWD.

SBCWD intends to continue its collaborative groundwater management through GSP preparation and herein requests funding assistance. This proposal has two outstanding aspects: it supports comprehensive management of three contiguous, connected subbasins and it strengthens ongoing management, which has long been effective but faces challenges of limited funding, uncertain imported water supply, climate change, and development pressures.

SBCWD is seeking consolidation of the three subbasins, and on September 20, 2017 passed Resolution No. 2017-17 to begin the Basin Boundary Modification Request process. This consolidation into one basin would be consistent with the intent of SBCWD and SCVWD for collaborative management as expressed in the MOU. This consolidation would continue the historical integrated management of these basins and would formally extend this integrated management into SCVWD areas. This consolidation also would support a cost-effective GSP for everyone involved.

The PSP requires designation of a project that benefits a Bulletin 118 groundwater basin; this project is GSP preparation that would address three subbasins. Figure 1 shows the Bolsa, Hollister, and San Juan Bautista basins as the project area. Given that consolidation has not yet occurred, SBCWD seeks funding for multiple basins, consistent with the PSP, and if required, SBCWD will develop multiple GSPs. The budget assumes three concurrent GSPs.

Figure 2 shows the GSP Project Area and extent of locally-defined subbasins that have been the focus of historical management, including SBCWD's 1998 and 2004 Groundwater Management Plans (GWMPs). While these locally-defined areas have supported effective management, they do not coincide with—or extend as far as—the Bulletin 118 Subbasins that will be the area of future management. In fact, use of Bulletin 118 boundaries will *double* the actively managed area. The geographic expansion means that funding is needed for extension of the following:

- Data Management System, including GIS mapping and data sets (e.g., soils, land use, wells, climate)
- Water resources monitoring program (e.g., groundwater levels, pumping, quality)
- Groundwater analyses and maps of historical/current conditions (e.g., change in groundwater storage)
- Numerical groundwater flow model
- Outreach to stakeholders, including DACs who have not yet been engaged in management
- Consideration of issues, objectives, activities, and funding mechanisms for areas not addressed previously.

This proposal requests funding assistance to strengthen ongoing groundwater management. SBCWD has a solid record of effective groundwater management: it restored its groundwater basins from 1970s overdraft (mostly through water import) and until recently maintained groundwater levels above historical lows. It has provided comprehensive monitoring, annual reporting, and numerical modeling, and has addressed various issues through GWMPs, UWMPs, an IRWM Plan, and a Salt and Nutrient Management Plan (SNMP), to name a few. The local portfolio of water supplies includes groundwater, local and imported surface water, recycled water, and banked water, managed conjunctively. Water conservation was effective during the drought in reducing water use by 25%.

Nonetheless, the status of local groundwater basin sustainability includes uncertainty. Some of this uncertainty stems from the unknown status of some sustainability indicators; for example, SBCWD has not yet conducted a comprehensive and systematic evaluation of surface-water groundwater interactions. More importantly, uncertainty surrounds the future availability of imported water, particularly with climate change and with potential competing demands from overdrafted basins elsewhere. In fact, the lack of imported water and the severity of the past drought resulted in localized decline of groundwater levels to less than historical lows. This suggests a real risk of overdraft and an urgent need to strengthen local management and avoid overdraft. This request for funding assistance also is based on the needs of local DACs, EDAs, and SDACs, that represent 16% of the subbasins.

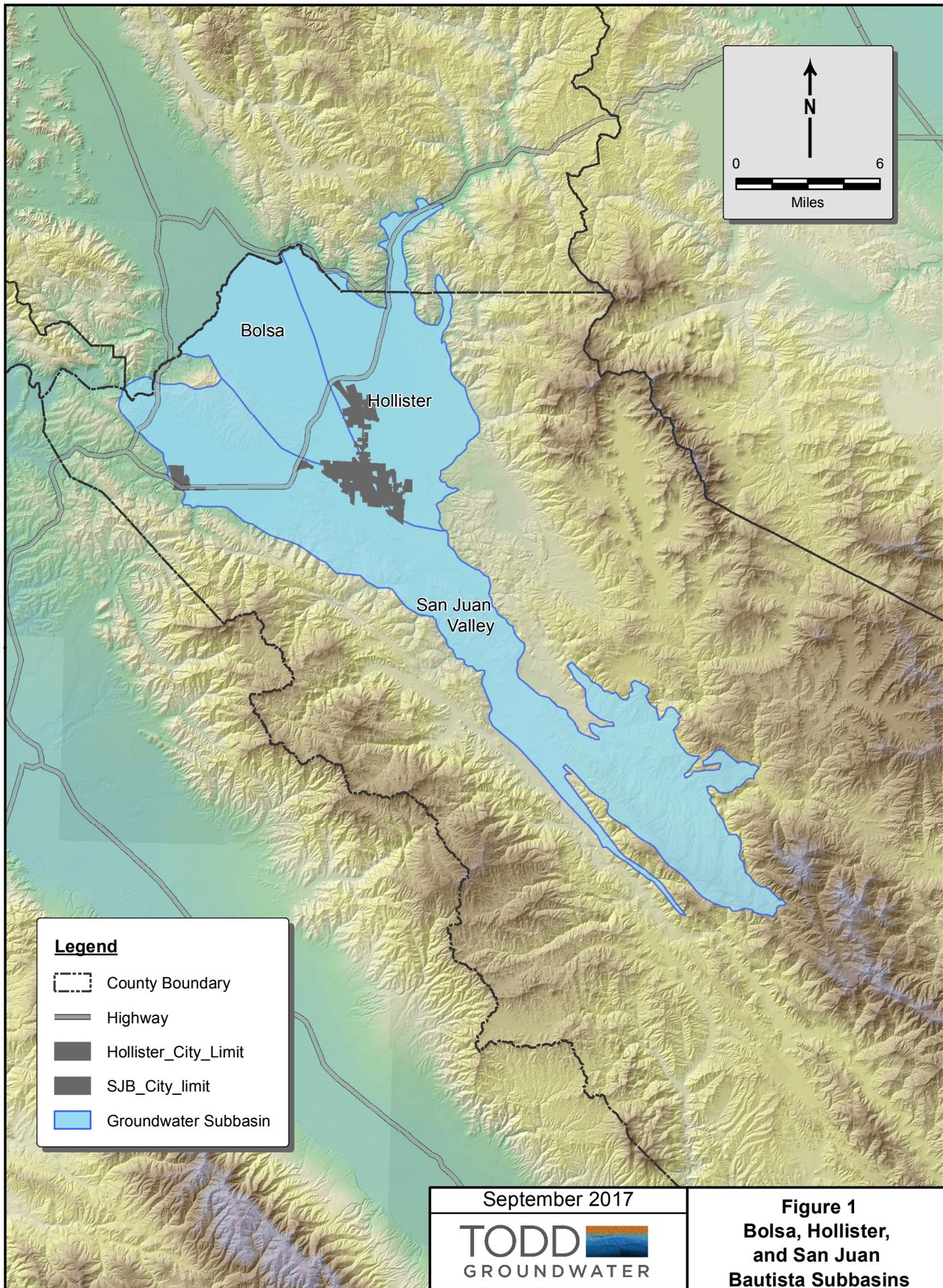


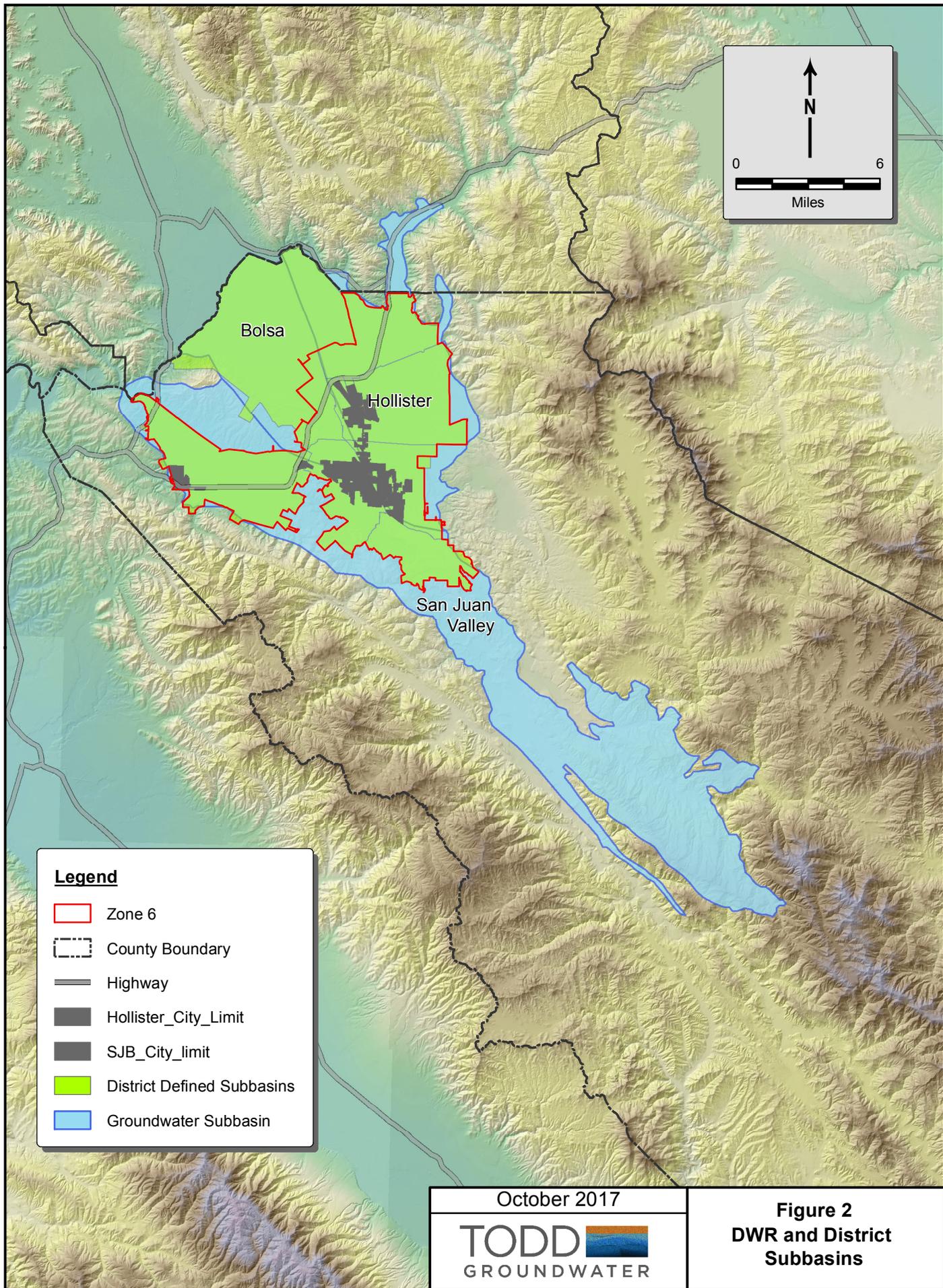
Technical Need

Since its founding in 1953, SBCWD has actively managed water resources in its service area overlying the Bolsa, Hollister, and San Juan Bautista Subbasins. This management has included the 1998 and 2003 Groundwater Management Plans, UWMPs, IRWM Plan, SNMP, and numerous Annual Reports. SBCWD management has been aided at times with DWR funding, for example, the award in 2002 of a Local Groundwater Assistance grant to develop a comprehensive groundwater quality database (which is still active and effective). Historical management provides a good foundation for SGMA. However, SGMA entails a rigorous, systematic process with significant requirements. Accordingly, SBCWD has designed and initiated a multi-year plan beginning in 2015 to provide a transition to SGMA with GSP completion before 2022. Required tasks are described in detail in the Work Plan and specific technical needs are summarized below.

- Historical management has focused on highly developed and managed portions of the subbasins. Extension to Bulletin 118 basin boundaries necessitates expansion of the data management system, monitoring program, numerical model, specific groundwater analyses of historical and current conditions, outreach, and consideration of management issues, objectives, and activities for areas not addressed in previous GWMPs. These areas include DACs and EDSs reliant on groundwater.
- While data management has been ongoing, the first GSP is an opportunity to review the data management system with respect to BMPs (e.g., Data Quality Objective (DQO) process and monitoring protocols), to address all sustainability criteria, and to identify data gaps. This is more than extension to Bulletin 118 boundaries; current monitoring is uneven for various reasons, for example, groundwater pumping is measured in SBCWD Zone 6 but not elsewhere.
- SBCWD and SCVWD are responsible for well permitting, but no comprehensive well inventory map exists. The GSP will include preparation of a well density map that also will support identification of groundwater dependent areas that include disadvantaged communities.
- Local geology is complex and has not had a comprehensive evaluation since 1992. The GSP will provide fresh examination of the hydrogeologic setting from a SGMA basin management perspective.
- SBCWD has a numerical model that has been developed, periodically updated, and applied to various issues over the years. The GSP will include update through 2016, extension to include Bulletin 118 boundaries, and consideration of the need for simulation of water quality. It will be applied to management scenarios and fully documented.
- Application of SGMA requirements could potentially reveal undesirable results, for example, with respect to subsidence, which has not been a known issue, or surface water-groundwater interactions. The Pajaro River is the boundary with the Llagas subbasin; SBCWD and SCVWD will work together to examine the interconnection between the Pajaro River and groundwater.
- While SBCWD has a long history of groundwater management, such management has not included systematic quantification of undesirable results, minimum thresholds, or measurable objectives to the extent required by SGMA. Defining these specific sustainability criteria, eliciting input from the SGMA Advisory Forum (SAF) and stakeholders, and creating a detailed plan for future sustainability will be an intensive effort.
- Local groundwater management has been collaborative—involving multiple water agencies, land use planning agencies, and non-governmental organizations—with outreach to the community, for example, through the San Benito County Water Resources Association. Because SGMA is new and necessary and because more extensive basin areas will be involved, collaboration and outreach will be amplified.

Recognizing the need to adapt its management to SGMA, SBCWD already has invested in multiple contracts to summarize SGMA requirements and issues for SBCWD, support GSA formation, explore funding opportunities, and support basin consolidation. These have been presented in Annual Groundwater Reports, presentations to the SBCWD Board of Directors, and other meetings. Five sequential Annual Reports, from 2015 through 2019, have been planned and funded to provide continuity of groundwater management and a transition to SGMA Annual Reporting; this is incorporated in the Work Plan, Budget and Schedule. If consolidation does not occur, the Work Plan is appropriate for a GSP for each subbasin and the Schedule for each would be contemporaneous. The Budget reflects preparation of three GSPs for three subbasins, recognizing that basin consolidation would provide cost savings.







Project Support

SBCWD is the GSA for the Bolsa Subbasin. It is also the GSA for the Hollister and San Juan Bautista Subbasins within San Benito County, while SCVWD is the GSA for the portions of the Hollister and San Juan Bautista subbasins in Santa Clara County. On July 5, 2017, SBCWD and SCVWD executed a Memorandum of Understanding (MOU), which sets forth their respective roles and responsibilities in preparing a GSP for the two shared subbasins (termed therein as Common Basins). SBCWD, responsible for GSP preparation of the Bolsa Subbasin, prefers preparation of a single GSP for all three subbasins consolidated into one unified basin. This would be consistent with historical management that has been effective for decades. If consolidation does not occur, SBCWD will develop the multiple GSPs.

While management of the Hollister and San Juan Bautista Subbasins is shared, the Bolsa Subbasin and Llagas Subbasin are neighboring basins that are managed respectively by SBCWD and SCVWD, with ongoing cooperation and data sharing. For example, groundwater level data along the Bolsa-Llagas boundary are regularly shared to analyze groundwater flow across the boundary. Regarding SGMA, SBCWD and SCVWD have:

- Shared information about Basin Boundary Modifications requested by SCVWD for Llagas Basin and DWR modifications along the San Benito-Santa Clara county line (various emails 2015).
- Discussed options for agreements between GSAs for management of shared basins (meetings and emails among Jeff Cattaneo (SBCWD General Manager), Vanessa de la Piedra (SCVWD Groundwater Unit Manager), and others (2016 – 2017).
- Developed and executed the July 5, 2017 MOU between Santa Clara Valley Water District and San Benito County Water District for Sustainable Groundwater Management Act Compliance (attached).

Within San Benito County and the three subbasins, discussions addressing SGMA have involved local water agencies including SBCWD, City of Hollister, Sunnyslope County Water District, City of San Juan Bautista, Aromas Water District, and Pacheco Pass Water District. SBCWD also is coordinating with water agencies in other basins (e.g., Pajaro Valley Water Management Agency). Recognizing the importance of SGMA to local groundwater users, SBCWD and other local organizations have been providing information and outreach on groundwater issues. The District website at www.sbcwd.com provides announcements, reports, newsletters, and basic information on San Benito County water resources.

Annual Groundwater Reports provide a regular, dependable update on groundwater conditions and groundwater management activities. Since 2014, each report has provided information on SGMA. Reports are provided on the SBCWD website and are summarized in annual presentations at public meetings of the Board of Directors.

- Annual Groundwater Report, December 2014, report section and appendix addressing Groundwater Sustainability, including affected basins, GSAs, GSPs, benefits, timeline, etc.; and public presentation to Board of Directors, January 12, 2015. https://www.sbcwd.com/reports/Annual_GW_Report_2014.pdf
- Annual Groundwater Report, December 2015, report section addressing Sustainable Groundwater, including timeline, affected basins, basin boundaries, GSAs; and public presentation at Board of Directors meeting, January 11, 2016. https://www.sbcwd.com/reports/Annual_GW_Report_2015.pdf
- Annual Groundwater Report, December 2016, report section on Sustainable Groundwater Management Act; and public presentation at Board of Directors meeting, January 9, 2017. <https://www.sbcwd.com/AnnualGWReport.pdf>

The Hollister Urban Area **Urban Water Management Plan** (UWMP) is a collaborative effort among SBCWD, City of Hollister, and Sunnyslope County Water District. The 2015 UWMP provided a brief description of SGMA. The UWMP is available online at [2015 Public Draft Urban Wtr Mgmt Plan.pdf](https://www.sbcwd.com/2015_Public_Draft_Urban_Wtr_Mgmt_Plan.pdf)

The **San Benito County Water Forum**, sponsored by San Benito County Business Council, is a regular gathering of persons interested in local water resources, including groundwater. Jeff Cattaneo, District Manager, has provided presentations and regular updates on groundwater conditions. The April 21, 2017 Forum included presentations on Our Groundwater and on Groundwater Sustainability Planning; see attached program. Forum sponsors included the Farm Bureau, Gavilan College, and various businesses (aggregate mining, farm supplies, business park, water consultants, etc.). Participants included representatives of local cities, communities, water agencies, landowners, farmers, and businesses.



The **Water Resources Association** (<http://www.wrasbc.org/>) is a mutual benefit non-profit organization serving water customers from City of Hollister, City of San Juan Bautista, Sunnyslope County Water District and SBCWD. The Water Resources Association is an important source of information on ongoing water activities, with a focus on water conservation.

Communication by SBCWD also included a presentation to the **San Benito County Board of Supervisors**, *Sustainable Groundwater Management in San Benito County*, on May 9, 2017 in Hollister, California (see attachment).

Letters supporting SBCWD GSA in this application are attached. These have been received from:

- Aromas Water District
- County of San Benito Administrative Office
- City of Hollister
- San Benito County Farm Bureau
- Pajaro Valley Water Management Agency
- Santa Clara Valley Water District
- Sunnyslope County Water District

**MEMORANDUM OF UNDERSTANDING
BETWEEN SANTA CLARA VALLEY WATER DISTRICT
AND SAN BENITO COUNTY WATER DISTRICT
FOR
SUSTAINABLE GROUNDWATER MANAGEMENT ACT COMPLIANCE**

THIS MEMORANDUM OF UNDERSTANDING ("MOU"), made in the State of California on July 5, 2017, is by and between the Santa Clara Valley Water District ("SCVWD"), and the San Benito County Water District ("SBCWD"), each a "Party" and collectively the "Parties."

This MOU sets forth the respective roles and responsibilities of the Parties regarding coordination to sustainably manage groundwater in the Hollister Area Subbasin and San Juan Bautista Area Subbasin.

RECITALS

WHEREAS, the SCVWD, an independent special district created by the Legislature of the State of California, manages groundwater and is the primary water resource agency for Santa Clara County, supplying wholesale water, providing flood protection and serving as environmental steward for clean, safe creeks and healthy ecosystems; and

WHEREAS, the SBCWD, a water conservation and flood control district, preserves the economic and environmental health and well-being of San Benito County through the control, management and conservation of waters and the provision of water services in a practical, cost-effective and responsible manner; and

WHEREAS, the Sustainable Groundwater Management Act ("Act"), enacted by the State of California, provides that local agencies may become a Groundwater Sustainability Agency ("GSA") and adopt a Groundwater Sustainability Plan ("GSP") to manage groundwater basins within the local agency's statutory jurisdiction; and

WHEREAS, the Act and this MOU define "basin" as a basin or subbasin identified and defined in California Department of Water Resources (DWR) Bulletin 118; and

WHEREAS, the Act requires that the entirety of each medium- and high-priority basin, as defined by DWR, be covered by a GSA by June 30, 2017 to avoid potential state intervention; and

WHEREAS, the service area of each Party overlies two common groundwater basins as defined by the Act and DWR: the Hollister Area Subbasin (DWR Basin 3-3.03) and the San Juan Bautista Area Subbasin (DWR Basin 3-3.04), collectively the "Common Basins"; and

WHEREAS, the SBCWD manages groundwater within San Benito County, including the majority of the Common Basins and the entirety of the Bolsa Area Subbasin (DWR Basin 3-3.02); and

WHEREAS, small portions of the Common Basins are located within Santa Clara County; and

WHEREAS, in terms of surface area, Santa Clara County contains less than ten percent of the Hollister Area Subbasin and less than one percent of the San Juan Bautista Area Subbasin; and

WHEREAS, the SCVWD has not previously conducted groundwater management activities in the Santa Clara County portions of the Common Basins other than permitting the construction, modification, and destruction of wells; and

WHEREAS, following a public hearing on February 8, 2017, the SBCWD Board of Directors adopted Resolution 2017-03 establishing the SBCWD as the GSA for the portions of the Common Basins located within San Benito County; and

WHEREAS, following a public hearing on June 13, 2017, the SCVWD Board of Directors adopted Resolution 17-38 establishing the SCVWD as the GSA for the portion of the Common Basins in Santa Clara County; and

WHEREAS, the action of each Party to adopt a resolution to become the GSA and submit related notification to DWR ensures the entirety of the Common Basins is covered by a GSA with no areas of overlap; and

WHEREAS, each Party is a local agency qualified to prepare and adopt a GSP under the Act; and

WHEREAS, the entirety of each basin subject to the Act that is not in a condition of critical overdraft must be addressed by a GSP by January 31, 2022; and

WHEREAS, if there are multiple GSAs within a basin, the GSAs can develop a single GSP for the entire basin or separate GSPs, provided there is a related coordination agreement; and

WHEREAS, for the purposes of this MOU, "GSP" is defined as one or more GSPs developed by the Parties for the entirety of the Common Basins; and

WHEREAS, GSAs are responsible for ensuring long-term groundwater sustainability through implementation of a GSP; and

WHEREAS, the Parties wish to provide a framework for cooperative groundwater management efforts in the Common Basins to ensure the Act is implemented effectively, efficiently, fairly, and at the lowest reasonable cost.

NOW, THEREFORE, in consideration of the recitals and mutual obligations of the Parties expressed herein, the Parties agree as follows:

1. Purpose

The purpose of this MOU is to establish an understanding between the Parties with regard to preparing a GSP for the Common Basins, including responsibilities and funding obligations.

2. Term

a) This MOU shall become effective upon its execution by both Parties.

- b) This MOU will terminate when the Parties agree, in writing, that the GSP is complete to the satisfaction of DWR.
- c) Payment obligations under Article 6, Cost Sharing and Payment, and Article 11, Cancellation, shall survive discharge or termination of this MOU until obligations are satisfied.

3. Responsibilities of the Parties

General responsibilities of the Parties regarding the Common Basins are as follows:

- a) Ensure all required GSA filings are complete and submitted to DWR by the June 30, 2017 statutory deadline.
- b) Develop a schedule to prepare a GSP for the Common Basins for consideration by the Board of Directors of both Parties.
- c) Share relevant data on geology, hydrogeology, operations, or other information that may be needed to develop or implement a GSP.
- d) Coordinate to conduct stakeholder outreach related to GSP development and adoption.
- e) Submit the GSP to DWR by the January 31, 2022 statutory deadline.
- f) Ensure all work related to this MOU is performed in accordance with the California Environmental Quality Act and other applicable laws.
- g) Coordinate to respond to public comments on the GSP for the Common Basins, as applicable.
- h) Address any issues or deficiencies raised by DWR during their review of the GSP within the required time.
- i) Explore the role of each Party in implementing the GSP to ensure long-term sustainability and compliance with the Act. The role of each Party will be documented in a future MOU or other agreement. This MOU does not obligate either Party to implement specific groundwater management actions in the Common Basins.

4. Responsibilities of SBCWD

- a) SBCWD will act as the contracting entity under this MOU. Subject to approval by SBCWD's authorized representative, SBCWD shall be responsible for executing any Consultant Contract(s) to undertake development of the GSP. SBCWD shall conduct a consultant procurement process that satisfies its own internal consultant procurement policies/criteria.
- b) Share relevant data and information with SCVWD as requested.

- c) Notify SCVWD of the Consultant(s) selected to develop the GSP.
- d) Solicit SCVWD comments on any Consultant Contract(s) related to GSP development prior to execution.
- e) Review Consultant invoices for approval and report disputes, if any, to SCVWD within five (5) working days of receipt of invoice. Pay approved invoices and provide copies of invoices to SCVWD with requests for reimbursement as described in Article 6.
- f) Solicit SCVWD comments on Consultant deliverables prior to acceptance.

5. Responsibilities of SCVWD

- a) Share relevant data and information with SBCWD as requested.
- b) Provide comments on proposed Consultant Contract(s) within five (5) working days of receipt.
- c) Provide comments on Consultant deliverables within five (5) working days, or other schedule as mutually agreed upon. The SCVWD technical review period for the draft GSP will be a minimum of ten (10) working days.
- d) Reimburse SBCWD in accordance with Article 6.

6. Cost Sharing and Payment

The estimated Consultant cost to develop a GSP for the Common Basins is expected to be less than \$250,000. Additional Consultant work may be needed to respond to issues raised during DWR review of the GSP. SCVWD agrees to reimburse SBCWD for 10% of the total Consultant cost, with a maximum contribution of \$35,000, unless additional funding is authorized in writing through an amendment pursuant to Article 13 of this MOU.

- a) SBCWD shall request reimbursement from SCVWD by submitting invoice(s) for incurred Consultant contract costs no more than once a calendar quarter. The invoice(s) shall clearly indicate the SCVWD cost share and shall be accompanied by adequate supporting documentation of related Consultant contract costs, including the hourly rates, hours spent, and information on activities performed in support of the scope of services specified in the Consultant contract(s).
- b) Following review and approval of an invoice by SCVWD, SCVWD shall disburse to SBCWD the approved amount within thirty (30) days of receipt of the invoice.
- c) An invoice may be rejected by SCVWD only if the invoice contains a material error or paying the invoice would result in SCVWD exceeding its maximum contribution described in this Article. SCVWD shall notify SBCWD of any invoice so rejected, and the reasons therefore.
- d) Costs incurred by SBCWD for "in-kind" services including staff time and overhead costs, as well as costs for Consultant oversight, meetings, travel, and incidental expenses shall not be reimbursable by SCVWD.

7. Hold Harmless, Indemnification, Remedies, and Insurance

To the extent permitted by California State law and in proportion to fault, each Party will indemnify, defend, and hold all other Parties and their directors, officers, agents, and employees safe and harmless from any and all claims, suits, judgments, damages, penalties, costs, expenses, liabilities and losses (including without limitation, sums paid in settlement of claims, actual attorneys' fees, paralegal fees, consultant fees, engineering fees, expert fees, and any other professional fees) that arise from or are related in any way to each Party, its employees, officers, or other agents in the operation and/or performance of this MOU; provided, however, that no Party shall indemnify or hold harmless another Party for that Party's own negligent acts, errors, or omissions, or willful misconduct, in the operation and/or performance of this MOU or the performance of the Consultant(s).

Notwithstanding the preceding paragraph, where more than one Party is named in a suit challenging the GSP regarding the Common Basins, or made subject to a claim or penalty regarding the same, the Parties shall coordinate and undertake a joint defense, utilizing a joint defense agreement to the extent possible, subject to the approval of the Parties. Each Party agrees that, to the greatest extent practicable, it shall cooperate in such defense and execute any waivers and/or tolling agreements that may be necessary in order to provide for a single joint defense of such a suit, claim, or imposition of penalty. Any communications between the Parties and any of their respective consultants and attorneys engaged in the joint defense shall be privileged as joint defense communications. Work performed during the joint defense by Consultants or attorneys, to the extent allowed by law, shall be considered attorney work product. Nothing in this paragraph is intended to require a joint defense under circumstances where it would be legally impermissible or under circumstances where it is wholly impractical.

This indemnity provision shall survive the termination of this MOU and the termination of any Party's participation in this MOU. Further, each Party will be liable to the other Party for attorneys' fees, costs, and expenses, and all other costs and expenses whatsoever, which are incurred by the other Party in enforcing this indemnity provision.

In all Consultant contracts funded in whole or part by the Parties, SBCWD shall name the SCVWD and its respective officers, agents, and employees as additional insureds and additional indemnitees in the insurance coverage and indemnity provisions customarily used in the SBCWD professional service contracts.

8. Disputes

Any claim that a Party may have against the other Party regarding the performance of this MOU including, but not limited to, claims for compensation will be submitted to such other Party. The Parties will attempt to negotiate a resolution of such claim and if necessary process an amendment to this MOU or a settlement agreement to implement the terms of any such resolution.

9. Cancellation

If a Party elects to terminate its participation in this MOU, it may do so by delivering to the

other Party a written notice of intention to terminate. Termination shall take effect thirty days following the receipt of notice by the other Party. No portion of the terminating Party's financial contribution provided under this MOU shall be refunded to the terminating Party.

10. Maintenance and Inspection of Books, Records, and Reports

The Parties will, upon reasonable advance written notice, make available for inspection by the other Party all records, books, and other documents directly relating to the GSP or groundwater management for the Common Basins. Prior to release of such documents (other than in response to a request under the California Public Records Act, a subpoena, or court order), all draft information shall be approved by both Parties for finalization and release.

11. MOU Not a Precedent

The Parties intend that the provisions of this MOU will not bind the Parties as to the provisions of any future agreement between them. This MOU was developed specifically for the specified MOU term and purpose.

12. Notices

Any notice, demand, or request made in connection with this MOU must be in writing and will be deemed properly served if delivered in person or sent by United States mail, postage prepaid, to the addresses specified herein.

Santa Clara Valley Water District
Attention: Garth Hall, Deputy Operating Officer, Water Supply
5750 Almaden Expressway
San Jose, CA 95118

San Benito County Water District
Attention: Jeff Cattaneo, District Manager
30 Mansfield Road, PO Box 899
Hollister, CA 95024

Any Party may change such contact or address by notice given to the other Party as provided herein.

13. Amendments

The MOU may be amended in the form of written amendment executed by both Parties.

14. Assignment

No Party shall assign, sublet, or transfer this MOU or any of the rights or interests in this MOU without the written consent of the other Party.

15. Severability

The partial or total invalidity of one or more parts of this MOU will not affect the intent or validity or remaining parts of this MOU.

16. Governing Law

This MOU will be deemed a contract under the laws of the State of California and for all purposes shall be interpreted in accordance with such laws.

17. Interpretation

This MOU shall be deemed to have been prepared equally by both Parties, and its individual provisions shall not be construed or interpreted more favorably for one Party on the basis that the other Party prepared it.

18. Contractual Restriction on Consultant's Use of Study Materials

Each Party shall ensure that reasonable contractual restrictions on the consultant's use of the study material and handling of confidential material are included in a written agreement with the consultant.

19. No Third-Party Beneficiaries

This MOU does not and is not intended to confer any rights or remedies upon any person or entity other than the Parties.

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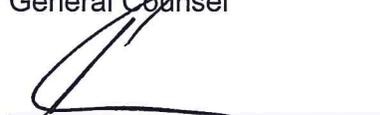
In WITNESS WHEREOF, the parties have executed this MOU as of the effective date.

San Benito County Water District

Approved as to Form



NAME PAULO E. PIRAAL
General Counsel



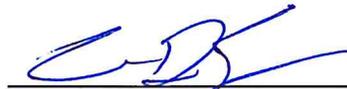
Jeff Cattaneo
General Manager

7/5/17

Date

Santa Clara Valley Water District

Approved as to Form



Erick Soderlund
Assistant District Counsel



Norma Camacho
Interim Chief Executive Officer

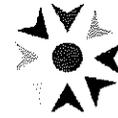
6/19/2017

Date

Special Thanks



Shawn Novack



SAN BENITO COUNTY BUSINESS COUNCIL

2017 San Benito County Water Forum



April 21, 2017
San Juan Oaks
Golf Club

Welcome

Good morning and welcome to the 2017 San Benito County Water Forum hosted by the San Benito County Business Council.

This event has been coordinated in response to requests from leaders in local government, water agency, agricultural, community, land use and business to meet local officials, to share facts and resources, identify issues and opportunities and collaboratively form solutions.

Water is a precious resource and valuable commodity for our community and we are fortunate to have solid management of our local water systems which is a major driver for current and future economic vitality.

This morning, you will meet national, state, regional and local experts on the status of water allocations, the drought, local flooding. Our featured experts will provide overviews of water agencies, implementation of the Sustainable Groundwater Management Act (SGMA), our local water supplies, quality projects, policy, quality, use, conservation and more.

The San Benito County Business Council was formed in 2001 to facilitate community, business and intergovernmental cooperation, collaboration and consolidation- to support, expand and enhance the community job base and promote community wellness and sustainability.

Your participation in and support of this event is essential to helping us reach our goals.

THANK YOU!

Program

7:30 A.M. Registration / Buffet

7:45 A.M. Program Opening
Business Council President Bob Tiffany

8:00 A.M.

- San Benito County Water District General Manager, Jeff Cattaneo
- Todd Groundwater President, Iris Priestaf
- Sunnyslope County Water District President, Don Ridenhour
- Hollister Urban Area Water Project Manager, Harry Blohm
- San Benito County Water Resources Agency Water Conservation Program Manager, Shawn Novack
- Q&A

Break

- Congress Member Jimmy Panetta
- State Assembly Member Anna Caballero
- San Luis Delta-Mendota Water Authority Program Administrator, Ara Azhderian
- Grower – Shipper Association of Central California Vice President, Abby Taylor-Silva
- California Farm Bureau District 8 Director, Richard Bianchi – Sabor Farms
- Q&A

Break

- Hollister City Manager, Bill Avera
- Veolia Hollister Domestic Water Recycling Facility Project Manager, James Heitzman
- Aromas Water District General Manager, Vicki Morris
- San Juan Bautista Community Development Director, Matt Orbach
- Q&A

Closing Remarks



388 Blohm Ave | PO Box 388 Aromas, CA 95004-0388 | (831)726-3155 | FAX (831)726-3951
email: admin@aromaswaterdistrict.org www.aromaswaterdistrict.org

October 31, 2017

Ms. Heather Shannon
Sustainable Groundwater Planning Grant Program
California Department of Water Resources

Re: **Support for San Benito County Water District (SBCWD) GSA Application for a Sustainable Groundwater Planning Grant**

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

The Aromas Water District (District) is situated in the Pajaro River watershed and overlies portions of the San Juan Bautista subbasin. The District and SBCWD have a long history of collaboration on regional water management, most notably through the Pajaro River Watershed IRWMP. Recognizing the importance of regional groundwater resources, we support SBCWD's efforts toward GSP preparation for the San Juan Bautista Basin.

We look forward to working with SBCWD GSA on this important effort. The GSP will be the foundation for future groundwater management efforts related to the San Juan Bautista Basin and this grant award would significantly augment local funding for the development of the GSP. The District urges the Department of Water Resources to grant funding for this comprehensive and collaborative GSP preparation.

Sincerely,

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

Robert Johnson
General Manager



October 27, 2017

Ms. Heather Shannon
Sustainable Groundwater Planning Grant Program
California Department of Water Resources

Re: Support for San Benito County Water District (SBCWD) GSA Application for a Sustainable Groundwater Planning Grant (SGWP)

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA submittal of a funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

The mission of the San Benito County Farm Bureau is to preserve and promote successful agriculture in San Benito County. We fully recognize the necessity of irrigation for the intensive agriculture that occurs in the three groundwater basins and the importance of groundwater as a sole source and as a complementary supply with imported water. We also recognize that groundwater is the sole source of water supply for rural residences and rural communities, some of which are disadvantaged.

We look forward to working with SBCWD on GSP preparation. The GSP will be the foundation for our future groundwater management and a grant award would significantly augment local funding for development of the GSP. The San Benito County Farm Bureau urges the Department of Water Resources to grant funding for this comprehensive and collaborative GSP preparation.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mindy Sotelo'.

Mindy Sotelo
Executive Director



CITY OF HOLLISTER

375 Fifth Street • Hollister, CA 95023-3876

October 19, 2017

Ms. Heather Shannon
Division of Integrated Regional Water Management
California Department of Water Resources
PO Box 942836
Sacramento, CA 94326

Re: Support for San Benito County Water District (SBCWD) GSA
Application for a Sustainable Groundwater Planning Grant

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA submittal of a funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

The City of Hollister, located in San Benito County, has a growing population of about 37,000. It includes areas designated as Severely Disadvantaged Community Block Groups and Disadvantaged Community Block Groups and Community Tracts. Water supply and wastewater services are provided by the City of Hollister and Sunnyslope County Water District (SSCWD). Our sources of water supply include treated Central Valley Project water and groundwater, which are managed conjunctively and accompanied by effective water conservation. While local collaborative management has been effective in providing reliable supply, we face growing challenges of limited imported water supply, climate change, and development pressures.

Our service area overlies portions of the Hollister, San Juan Bautista and Bolsa subbasins. These subbasins have been managed by SBCWD for decades, and we support consolidation of these local subbasins, preparation of one GSP, and collaborative management to support sustainability.

We look forward to working with SBCWD GSA on this important effort. The City and SBCWD have worked together on many cooperative water management programs, including the Groundwater Management Plan (1998 and 2004), Hollister Area Urban Water Management Plan, and Water/Wastewater Master Plan; and we are working together as members of the Water Resources Association. The GSP will be the foundation for our future groundwater management and a grant award would significantly augment local funding for development of the GSP. The City urges the Department of Water Resources to award funding for this comprehensive and collaborative GSP preparation.

Sincerely,

A handwritten signature in blue ink, appearing to read 'William B. Avera', with a stylized flourish at the end.

William B. Avera

City Manager



PAJARO VALLEY WATER MANAGEMENT AGENCY

36 BRENNAN STREET • WATSONVILLE, CA 95076

TEL: (831) 722-9292 FAX: (831) 722-3139

email: info@pvwater.org • <http://www.pvwater.org>

October 25, 2017

Ms. Heather Shannon
Sustainable Groundwater Planning Grant Program
California Department of Water Resources

Re: Support for San Benito County Water District (SBCWD) GSA Application for a Sustainable Groundwater Planning Grant (SGWP)

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA submittal of a funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

Pajaro Valley Water Management Agency (PV Water) is the Groundwater Sustainability Agency for the Pajaro Valley SubBasin (Basin No.3-002.012), located in the lower Pajaro River Watershed. While PV Water does not overlie or have boundaries adjacent to the three basins managed by SBCWD, all four basins are located within the Pajaro River Watershed. PV Water and SBCWD have long cooperated on regional water management, most notably through the Pajaro River Watershed Integrated Regional Water Management Planning effort. Recognizing the importance of regional water resources, we support SBCWD's efforts toward GSP preparation for the San Juan Bautista Basin, Hollister, and Bolsa basins.

We look forward to ongoing cooperation and collaboration with SBCWD. The GSP will be the foundation for future groundwater management of the San Juan Bautista, Bolsa, and Hollister Basins, and this grant award would significantly augment local funding for the development of a GSP. PV Water encourages the Department of Water Resources to consider awarding grant funding for the comprehensive and collaborative GSP preparation.

Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brian Lockwood". The signature is fluid and cursive, with the first name "Brian" and last name "Lockwood" clearly distinguishable.

Brian Lockwood
General Manager



COUNTY OF SAN BENITO ADMINISTRATIVE OFFICE

481 Fourth Street ♦ Hollister, CA 95023
Phone: 831-636-4000 ♦ Fax: 831-636-4010

www.cosb.us

Ray Espinosa, **County Administrative Officer**
Melinda Casillas, Management Analyst III
Louie Valez, Management Analyst III
Dina Bies, Executive Secretary to CAO/Safety Coordinator

October 23, 2017

Ms. Heather Shannon
Division of Integrated Regional Water Management
California Department of Water Resources
PO Box 942836
Sacramento, CA 94326

Re: Support for San Benito County Water District (SBCWD) Groundwater Sustainability Agency (GSA) Application for a Sustainable Groundwater Planning Grant

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA submittal of a funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

San Benito County, encompassing important agricultural and rangeland areas, includes broad areas where small communities and rural residents depend on groundwater as the sole source of supply. These areas also encompass Disadvantaged Community Block Groups and Community Tracts. While local collaborative management has been effective in providing reliable supply, the County recognizes the challenges of limited imported water supply and climate change in supporting sustainability as a balance of the environment, the economy, and social equity.

We look forward to working with SBCWD GSA on this important effort. The GSP will be the foundation for future groundwater management in the three basins and a grant award would significantly augment local funding for development of the GSP. The County urges the Department of Water Resources to award funding for this comprehensive and collaborative GSP preparation.

Sincerely,



Ray Espinosa, County Administrative Officer

October 25, 2017

Ms. Heather Shannon
Sustainable Groundwater Planning Grant Program
California Department of Water Resources
PO Box 942836
Sacramento, CA 94236

Subject: Support for San Benito County Water District Groundwater Sustainability Agency (SBCWD GSA) Application for a Proposition 1 Sustainable Groundwater Planning (SGWP) Grant

Dear Ms. Shannon:

The Santa Clara Valley Water District (SCVWD) would like to express our support for the SBCWD GSA submittal of a funding assistance application under the SGWP Grant Program. This application relates to Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No. 3-3.04), Hollister Subbasin (Basin No. 3-3.03), and the Bolsa Subbasin (Basin No. 3-3.02).

The SCVWD is the exclusive GSA for the portions of the Hollister and San Juan Bautista subbasins in Santa Clara County, while SBCWD is the exclusive GSA for the San Benito County portions of those subbasins, as well as the Bolsa Subbasin. Wishing to provide a framework for cooperative management efforts in the shared subbasins, SBCWD and SCVWD executed a Memorandum of Understanding, which sets forth respective roles and responsibilities in GSP preparation for the shared subbasins. Consistent with this cooperative management, we support the SBCWD GSA application for grant funds related to GSP preparation.

Sincerely,



Norma Camacho
Chief Executive Officer

cc: N. Hawk, G. Hall, V. De La Piedra

Sunnyslope County Water District

3570 Airline Highway
Hollister, California 95023-9702

Phone (831) 637-4670
Fax (831) 637-1399

November 6, 2017

Ms. Heather Shannon
Division of Integrated Regional Water Management
California Department of Water Resources
PO Box 942836
Sacramento, CA 94326

Re: Support for San Benito County Water District (SBCWD) GSA Application for a Sustainable Groundwater Planning Grant

Dear Ms. Shannon:

This letter is to express support for the SBCWD GSA submittal of a funding assistance application under the Proposition 1 Sustainable Groundwater Planning Grant Program for Groundwater Sustainability Plan (GSP) development for the San Juan Bautista Subbasin (Basin No.3-3.04), Hollister Subbasin (Basin No.3-3.03), and the Bolsa Subbasin (Basin No.3-3.02).

Sunnyslope County Water District (SSCWD) provides water supply and wastewater services to a portion of the City of Hollister and includes part of a Disadvantaged Community Block Group. Our sources of water supply include treated Central Valley Project water and groundwater, which are managed conjunctively and accompanied by effective water conservation. While our local collaborative management has been effective in providing reliable supply, we face growing challenges of limited imported water supply, climate change, and development pressures.

Our service area overlies portions of the San Juan Bautista and Hollister subbasins. These subbasins have been managed by SBCWD with cooperation by SSCWD for decades, and we support consolidation of local subbasins, preparation of one GSP, and collaborative management to support sustainability.

We look forward to working with SBCWD GSA on this important effort. SSCWD and SBCWD have worked together on many cooperative water management programs, including the Groundwater Management Plan (1998 and 2004), Hollister Area Urban Water Management Plan, and Water/Wastewater Master Plan; and we are working together as members of the Water Resources Association.

The GSP will be the foundation for our future groundwater management and a grant award would significantly augment local funding for development of the GSP. Sunnyslope County

Water District urges the Department of Water Resources to award funding for this comprehensive and collaborative GSP preparation.

Please give me a call or email me at don@sscwd.org if you have any questions. Thank you.

Sincerely,



Donald G. Ridenhour, P.E.
General Manager

Presentation to San Benito County Board of Supervisors



Sustainable Groundwater Management
in San Benito County

Sustainable Groundwater Management Act (SGMA)



- Landmark legislation in 2014
- Framework for sustainable management of groundwater in medium- and high-priority basins by local agencies
- Role for state assistance
- Role for state intervention if necessary
- Requires formation of local groundwater sustainability agencies (GSAs)
- Requires preparation of groundwater sustainability plans (GSPs)

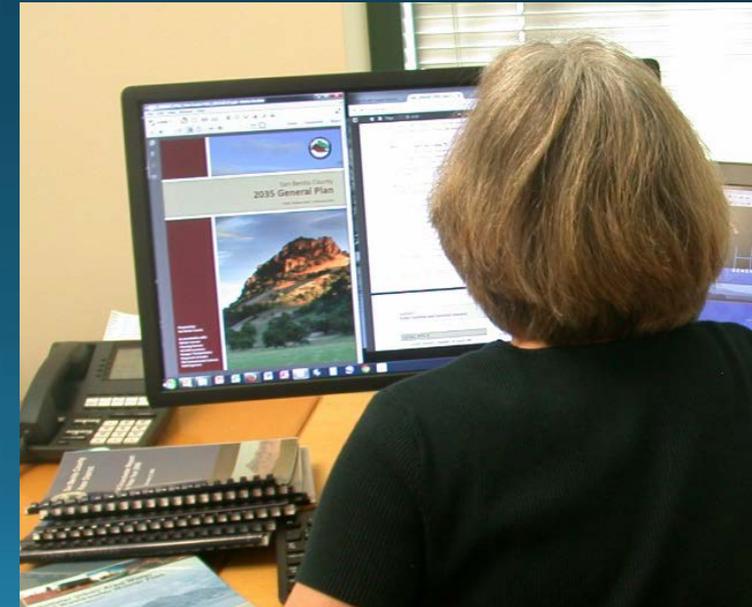
SGMA and Land Use Planning

CHAPTER 5. Powers and Authorities:

Nothing in this chapter or a groundwater sustainability plan shall be interpreted as superseding the land use authority of cities and counties, including the city or county general plan, within the overlying basin.

GSPs include coordination with land use planners

- Coordinate with land use agencies
- Summarize general plans (GPs)
- Describe how GSPs and GPs affect each other
- Document land uses and land use plans for water budget analysis
- Describe how sustainable management criteria affect land uses and property interests



Sustainability *may* require regulation of groundwater pumping by the GSA

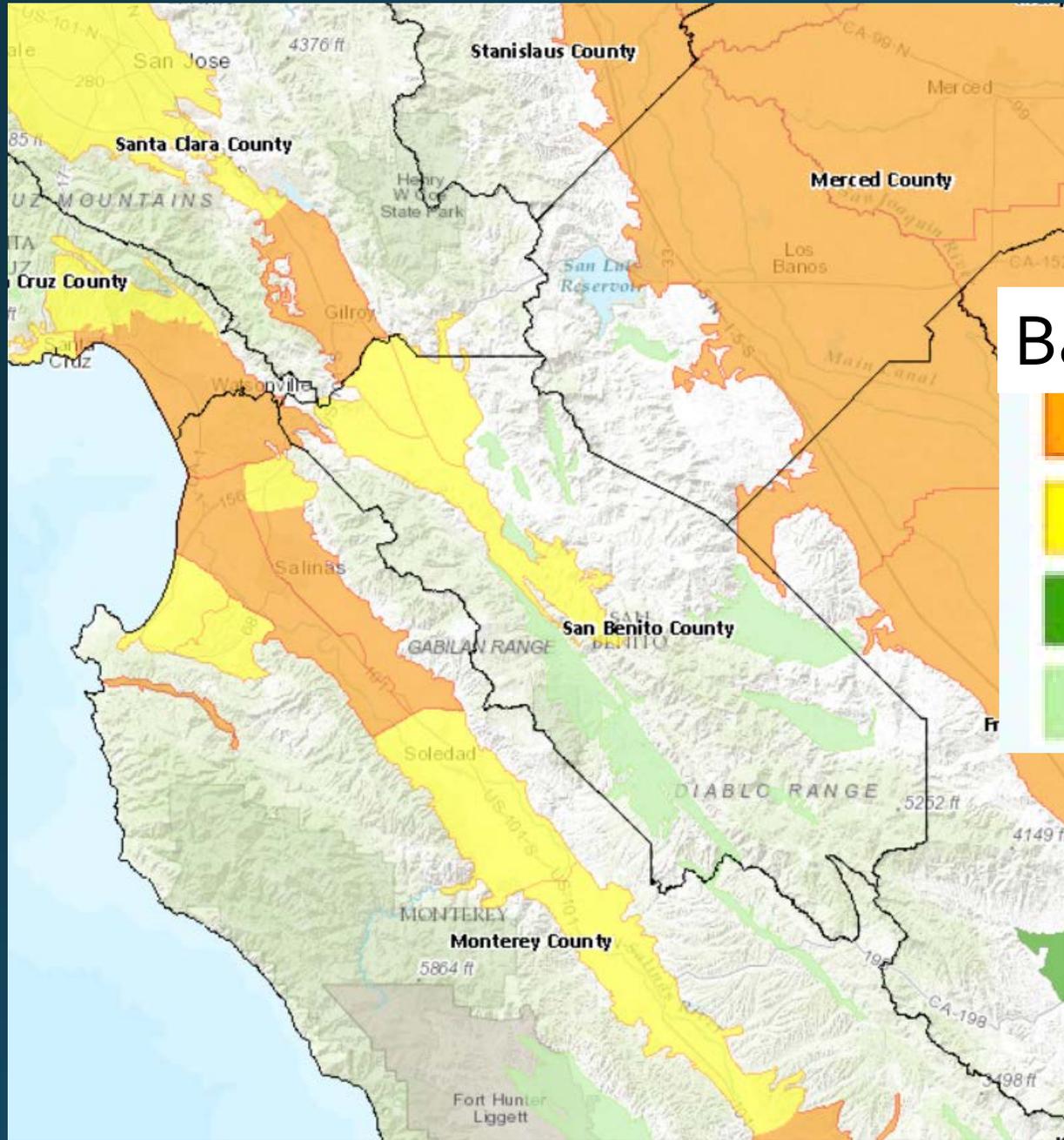
A GSA has authority to regulate groundwater extraction:

- Register production wells
- Impose spacing requirements on new wells
- Control groundwater extractions
- Require installation of meters and annual reporting
- Monitor compliance and enforcement

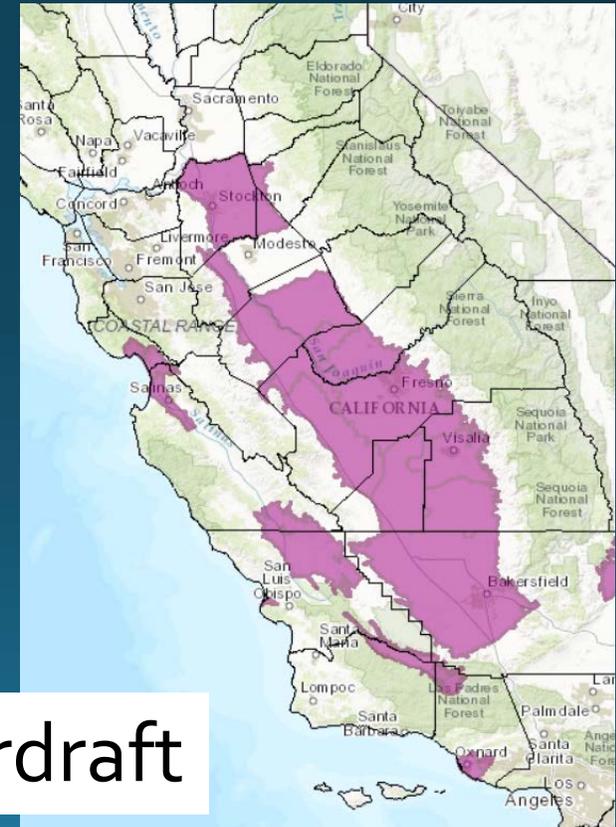
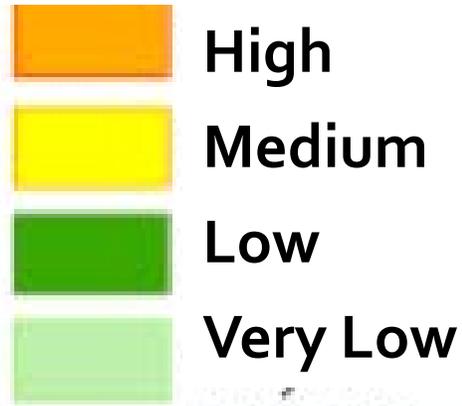
Consistent with applicable city or county general plan, unless there is insufficient sustainable yield in the basin



Groundwater basins in San Benito County



Basin prioritization



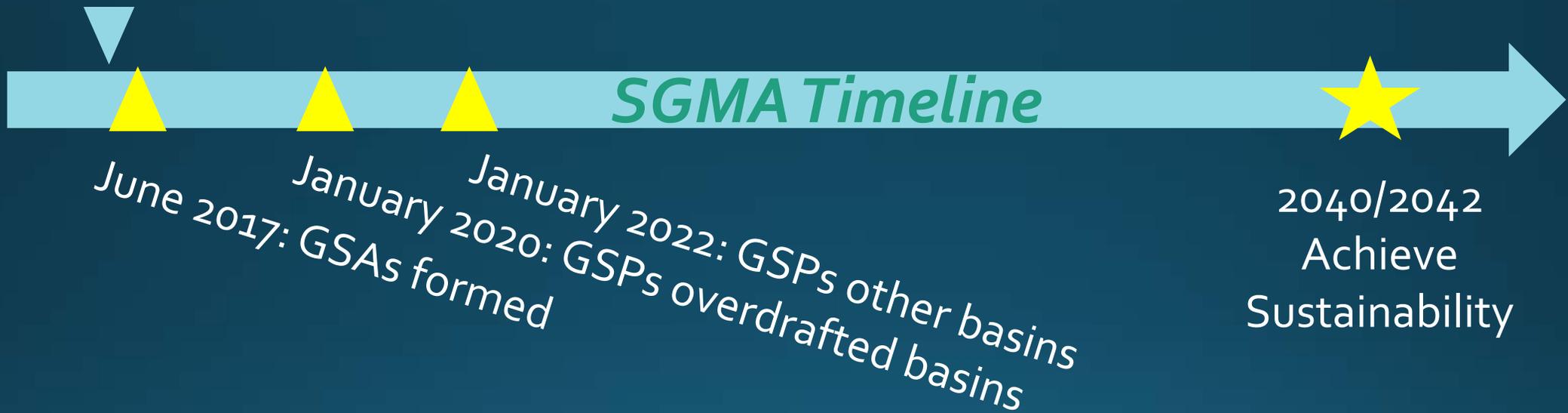
Critical Overdraft

Groundwater basin management has been ongoing

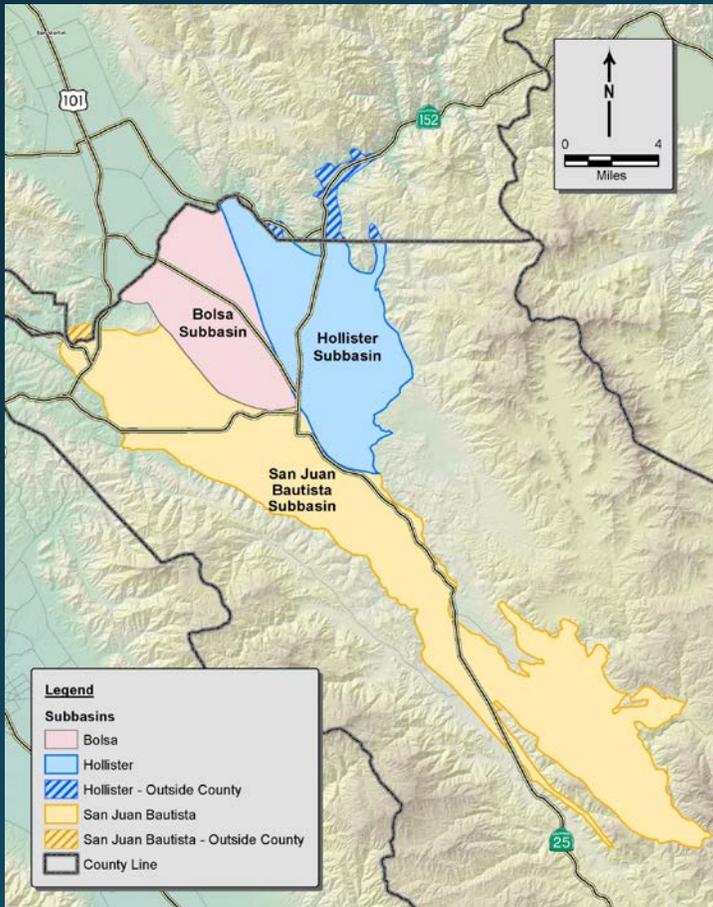


- Development of local groundwater and surface water supplies
 - Importation of water through San Felipe project for conjunctive use
 - Collaboration with local agencies
 - Annual Groundwater Reports
-
- ✓ Groundwater Management Plan, 1998
 - ✓ Groundwater Management Plan Update, 2003

SGMA Timeline



Steps toward sustainable management: San Benito portion of Gilroy-Hollister Basin



- Outreach to interested parties
- Consideration of basin boundaries
- Collaboration with Santa Clara Valley Water District on its basin portion
- Notification to become GSA
- Initial planning for GSP funding



Hollister Urban Area
Water Project
Improving Our Water Future

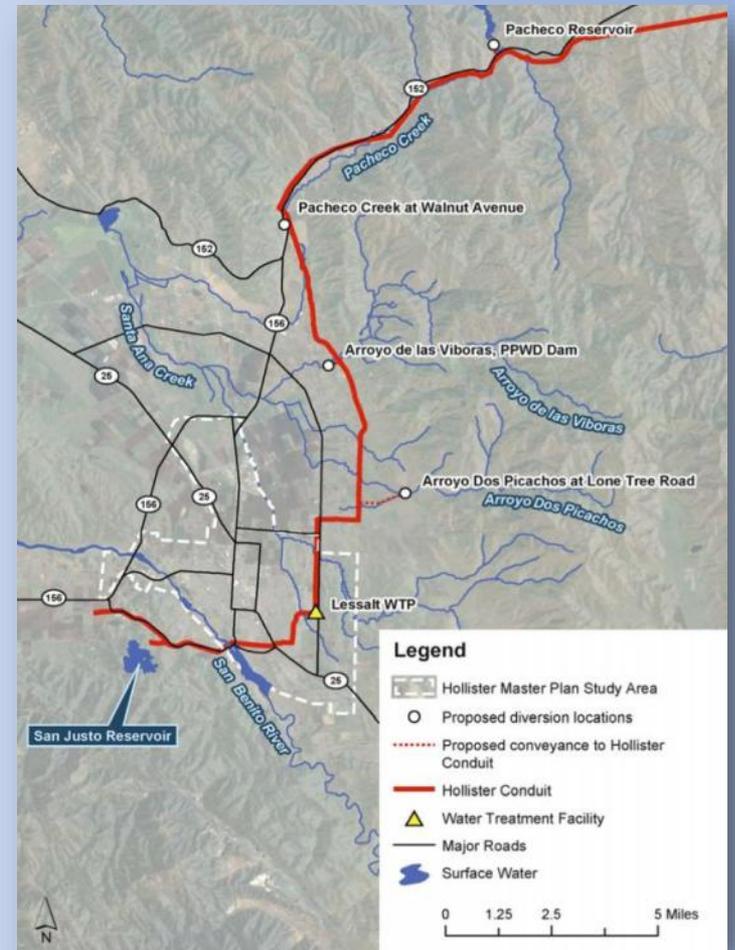
City of Hollister • Sunnyslope County Water District • San Benito County Water District

San Benito County Water Forum

April 21, 2017

Orientation - Discussion Topics

- ➔ Water Outlook for Our County
- ➔ Sustainable Groundwater Management Act (SGMA)
- ➔ Water Supply for Urban Area
- ➔ Hollister Urban Area Water Project
- ➔ Development (New Construction)
- ➔ Water Quality issues
- ➔ Water Conservation





Hollister Urban Area
Water Project
Improving Our Water Future

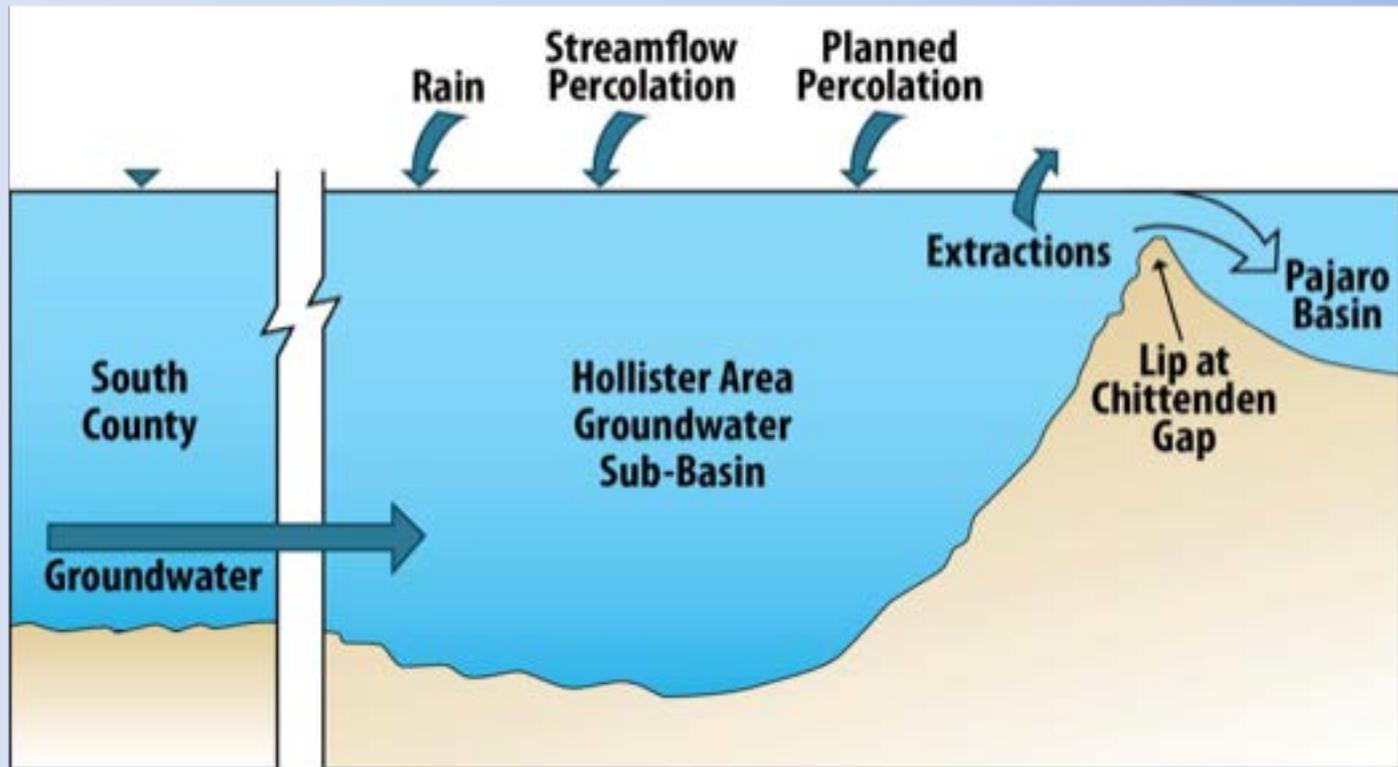
City of Hollister • Sunnyslope County Water District • San Benito County Water District

Our Groundwater

Our Groundwater

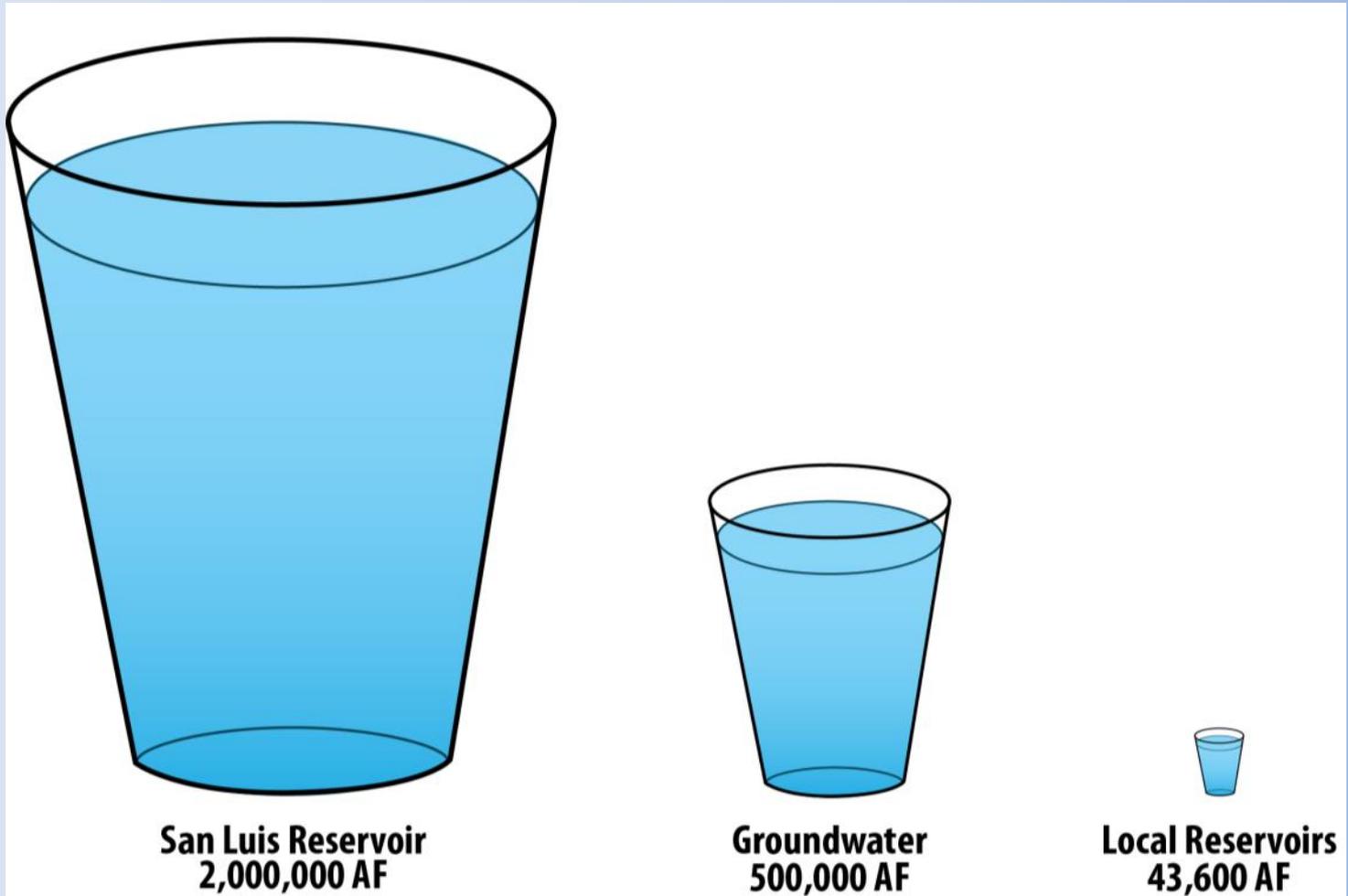
Our Basin is Subject to Contamination and Overdraft

- ◆ Our groundwater basin is closed
- ◆ Over pumping leads to water shortages
- ◆ Salt build up – water softeners are a source
- ◆ State controls our water basin quality through regulations
- ◆ State Passed Sustainable Groundwater Management Act



Our Groundwater

Our Groundwater Basin Provides Significant Storage



San Benito County Water Supplies

Countywide Water Demand & Supply

- Average Year – 9,000 ac-ft for municipal & industrial
35,000 ac-ft for agriculture
- Federal Water Contract (Blue Valve Water) is 43,800 ac-ft
8,250 ac-ft for Municipal & Industrial 35,550 ac-ft for Agriculture
- 2016 Municipal & Industrial allocation is 55% (4,537 ac-ft)
- 2016 Agricultural allocation is 5% was 0% in 2014, 2015 (1,777 ac-ft)
- 2017 Ag & M&I - 100% (Surface Water Allocation-Federal Water)
- 20,000 acre feet of imported water each year is needed to keep the groundwater basin in balance

1 acre foot of water = 325,850 gallons



Local Water Supply

- 💧 Hernandez Reservoir
100% capacity, 17,500
ac-ft
- 💧 Year to date, 33,000 ac-
ft from San Benito River
into San Juan Valley
- 💧 Groundwater Levels up
15ft in San Juan Valley
- 💧 Rainfall to date 20.94"
(164% Avg.)



Imported Water Supply “Blue Valve”

💧 10 Year Average Allocations

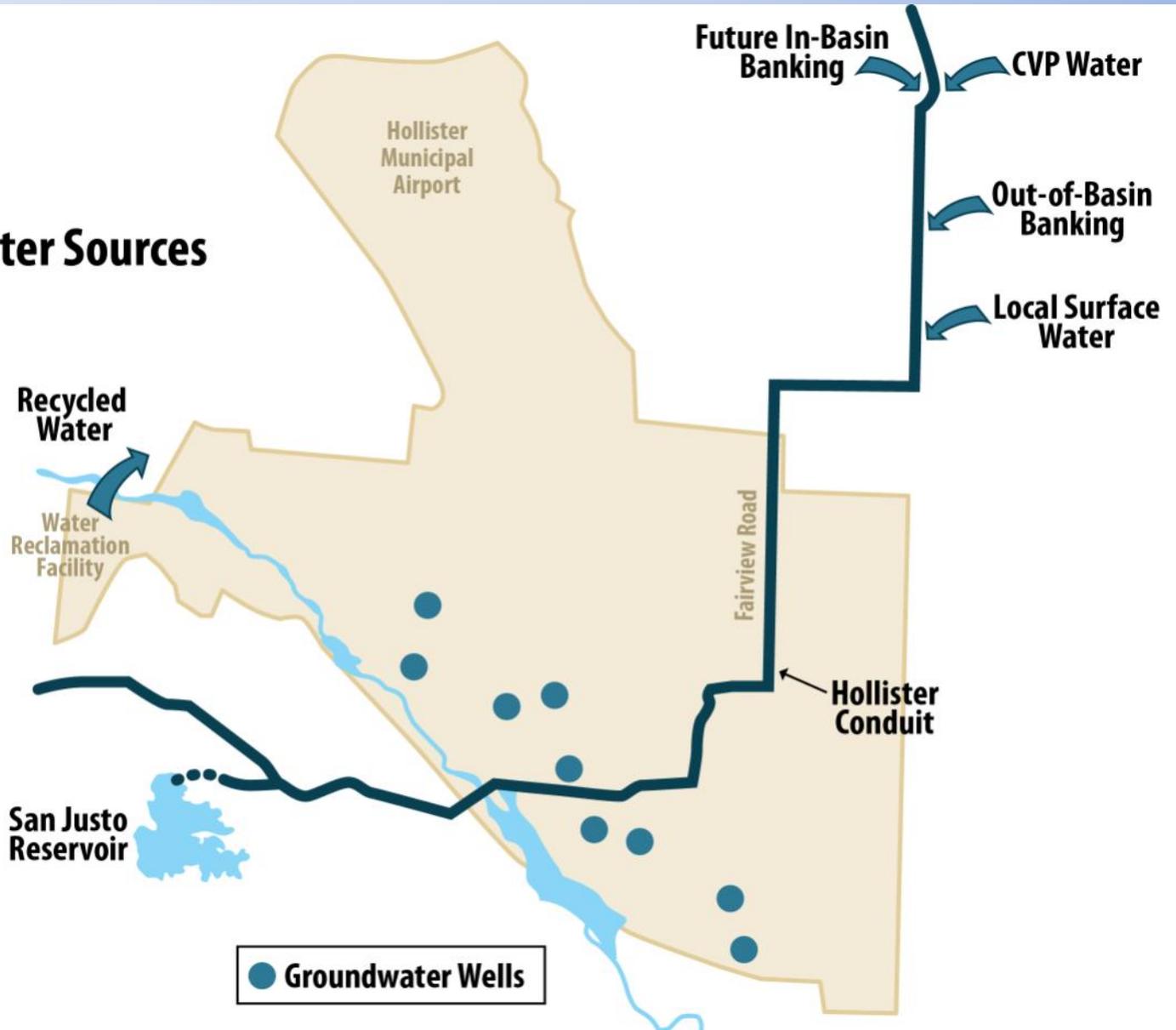
Year	Agriculture	M&I
Avg.	34%	68.5%
Avg. Supply	12,087 ac-ft.	5651 ac-ft.
20,000 Acre-Feet of Water/ Year is needed to balance groundwater basin		

💧 2017 CVP Allocation 35,550 ac-ft Ag, 8250 ac-ft M&I (urban)



Water Supply for the Urban Area

Water Sources





Hollister Urban Area
Water Project
Improving Our Water Future

City of Hollister • Sunnyslope County Water District • San Benito County Water District

Groundwater Sustainability Planning



Groundwater Sustainability Planning

Groundwater Basin Management has been ongoing

- **Development of local groundwater and surface water supplies**
- **Importation of water through San Felipe project for conjunctive use**
- **Annual Groundwater Reports available online**

<https://www.sbcwd.com/AnnualGWReport.pdf>

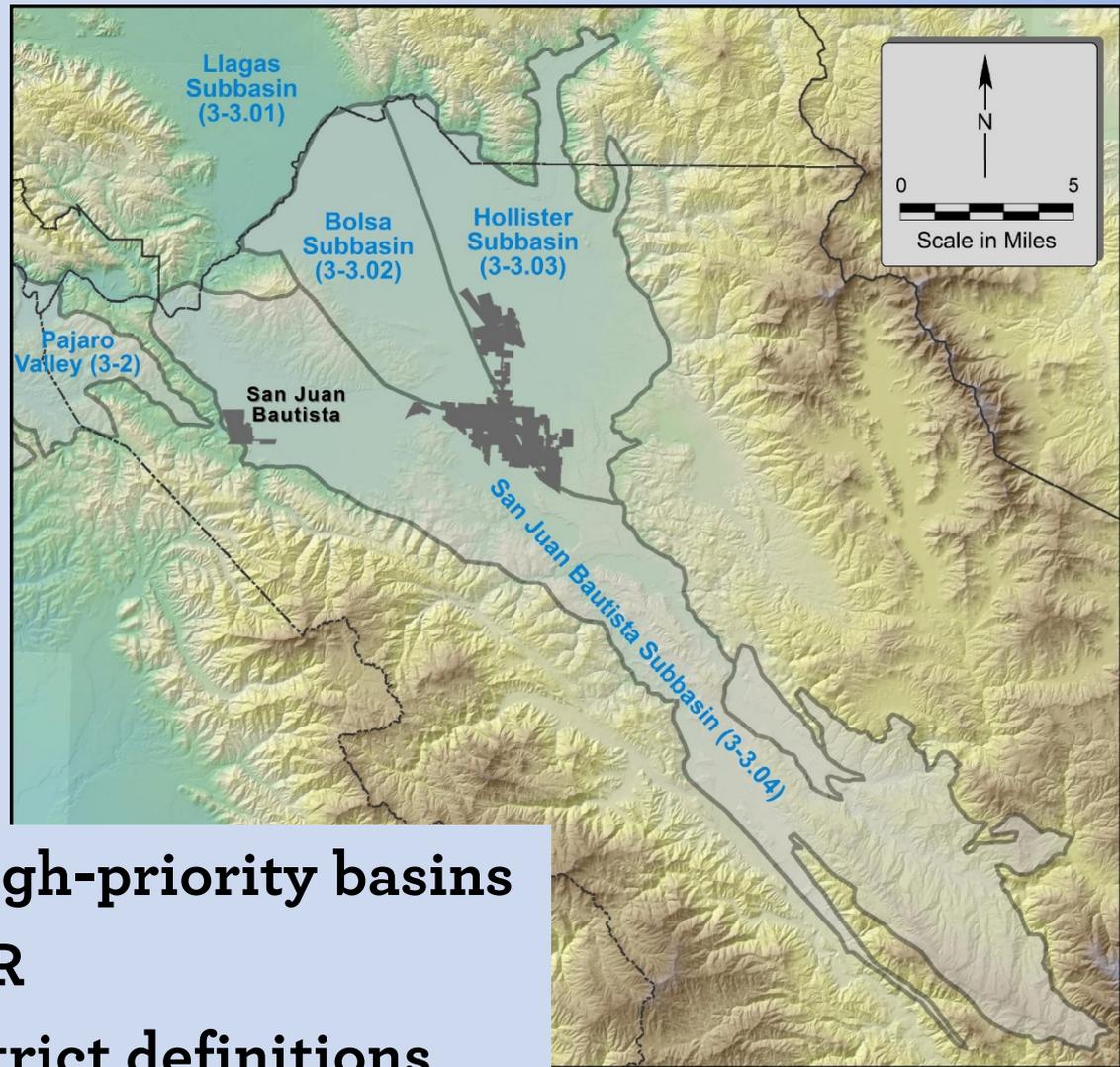
- ✓ **Groundwater Management Plan, 1998**
- ✓ **Groundwater Management Plan Update, 2003**



Sustainable Groundwater Management Act (SGMA)

- ◆ **Landmark legislation in 2014**
- ◆ **Framework for sustainable management of groundwater by local agencies**
- ◆ **Role for state assistance**
- ◆ **Role for state intervention if necessary**
- ◆ **Requires formation of local groundwater sustainability agencies (GSAs)**
- ◆ **Requires preparation of groundwater sustainability plans (GSPs)**

Affected Basins



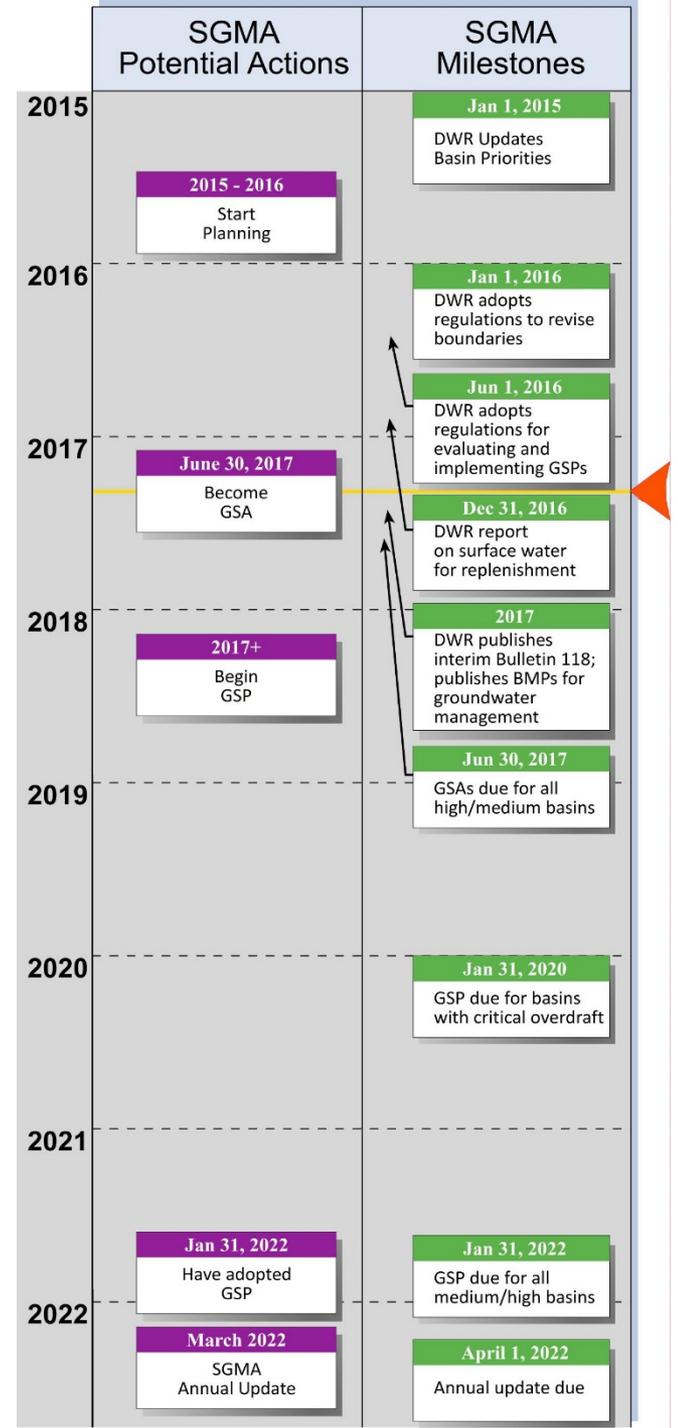
- 💧 Medium- and high-priority basins
- 💧 Defined by DWR
- 💧 Differ from District definitions

Key Milestones

May 2017 – Become exclusive GSA

Summer 2017 – Apply for funding and begin GSP

2021 – Complete and adopt GSP





ATTACHMENT 4

Work Plan

Work Plan. This attachment includes a description of proposed work plan and tasks for Groundwater Sustainability Plan (GSP) development for the Bolsa, Hollister, and San Juan Bautista basins. The Work Plan is designed for SGMA compliance and for GSP development as a final deliverable to Department of Water Resources.



Work Plan

Introduction

The San Benito County Water District Groundwater Sustainability Agency (SBCWD) is proceeding with groundwater sustainability planning for the Hollister, Bolsa, and San Juan Bautista basins. SBCWD, the sole GSA for the Bolsa basin, is cooperating with the Santa Clara Valley Water District GSA (SCVWD) for GSP preparation for the Hollister and San Juan Bautista basins. This is in accordance with the Memorandum of Understanding dated July 5, 2017 and in compliance with the Sustainable Groundwater Management Act (SGMA).

To support SGMA compliance, the Department of Water Resources (DWR) is administering funds authorized by Proposition 1 for the Sustainable Groundwater Planning (SGWP) Grant Program. The Draft Application and eligibility requirements for the program have been published in the Proposal Solicitation Package for Groundwater Sustainability Plans and Projects.

In accordance with the SGWP requirements, SBCWD is applying for a SGWP grant to provide partial funding for GSP development. This SGWP grant application is to request Category 2 funding and to support GSP preparation for the Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins. As described in the Proposal Summary, SBCWD is seeking consolidation of the three subbasins and preparation of a single GSP. However, it is understood that three basins currently are defined and consolidation may not occur. Given that situation, SBCWD seeks funding for multiple basins, consistent with the PSP, and SBCWD will develop the multiple GSPs as required. This Work Plan is appropriate for all or each of the basins.

In summary, the proposed Work Plan begins with Task 0, which represents previously completed and ongoing efforts that have been designed and funded to support a transition from historical SBCWD groundwater management to Sustainable Groundwater Management consistent with SGMA. The remaining Tasks 1 through 13 (described in detail below) are designed to complete the GSP process consistent with SGMA. These tasks also may be grouped by the budget categories as requested by the PSP:

- (a) Direct Project Administration: Task 13 Project Management and Communications
- (b) Plan Development: Tasks 2 through 12
- (c) Stakeholder Engagement: Task 1 Outreach and Stakeholder Engagement

Task 0 Preparation for SGMA Compliance

This task involves transition from historical SBCWD groundwater management to Sustainable Groundwater Management consistent with SGMA.

Historical SBCWD groundwater management has been based on AB3030 Groundwater Management Plans (1998 and 2003) and Annual Reports that are prepared in accordance



with San Benito County Water District Act, codified in 1953 in Water Code Appendix 70. In addition to specific projects, these Annual Reports—authorized by and presented to the SBCWD Board of Directors in a public meeting—have been the major means of groundwater monitoring, management, and reporting in San Benito County. These reports document climatic and groundwater conditions, water supply and demand, and management activities, and provide recommendations that are fundamental to SBCWD management. The Annual Reports have included summaries of annual water budgets and groundwater quality conditions on a triennial basis. The 2014 Annual Report and presentation included a section (and appendix) on SGMA that presented a road map for future planning. This introduced the Board of Directors, local water agencies, stakeholders, and interested public to the three basins (as defined by DWR and as affected by SGMA), to the concepts of a GSA and GSP, and to benefits of SGMA.

As of January 1, 2015, initial tasks to prepare for Sustainable Groundwater Management were initiated. These tasks, summarized below, include efforts that have been completed or are ongoing and efforts that have been planned and funded out to 2020, thereby providing a five-year transition from historical AB3030 management to SGMA management.

0.1 Groundwater Monitoring, Planning, Reporting 2015 (100% complete)

This task involved preparation of the 2015 Annual Report (December 2015), framed in terms of Pursuing Sustainability. This report includes an update on the development of SGMA in 2015 and development of a timeline that combines SGMA Milestones, SBCWD Annual Reporting, and SBCWD actions for SGMA. This report includes summary of Basin Boundary Emergency Regulations and detailed evaluation of local groundwater basin boundaries relative to jurisdictional boundaries and hydrologic connectivity. The process of establishing a GSA is outlined and recommendations are presented for GSP establishment and collaboration with neighboring GSAs including Santa Clara Valley Water District and Pajaro Valley Water Management Agency. This report also includes documentation of groundwater conditions in the basins (as locally defined), evaluation of water supply and demand, presentation of maps and graphs, and summation regarding sustainability. The report states that persistence of drought and reduced CVP supply are a real risk of overdraft.

0.2 Northern San Benito County Groundwater Model Update, Enhancement, and Application (100% complete)

This task involved systematic update and enhancement of the groundwater model and the pre- and post-processing programs used to prepare model input and evaluate model results. The update and enhancement (March-June 2015) included extension of the base period to 2014; provision of improved pre-processing tools for estimating rainfall recharge, irrigation pumping and return flow, and stream flow; and addition of the capability to easily simulate land use change. Subsequent application of the model included



simulation of the effects of Pacheco Reservoir reoperation on groundwater levels and supply near Pacheco Creek (a tributary of the Pajaro River that provides fish habitat).

0.3 Zone 3 Operations Planning Tool (100% complete)

This task is development of a worksheet planning tool to create annual plans for operation of SBCWD's Hernandez and Paicines Reservoirs and for re-diversion of Hernandez Reservoir releases to Paicines Reservoir at the San Benito River Diversion. This tool standardizes and facilitates the annual effort to plan Hernandez operations under differing hydrologic and water supply conditions consistent with an adopted water supply management strategy. The tool provides for coordinated management of surface water storage and groundwater storage.

0.4 Planning toward a GSP (100% complete)

This task focused on planning toward GSP preparation for the Bolsa, Hollister, and San Juan Bautista basins including detailed examination of GSP Regulations and exploration of funding sources. It provided a working session (August 30, 2016, with illustrated presentation) for SBCWD staff to become familiar with the GSP development process and GSP required contents. It also included a publicly-noticed presentation (September 13, 2016) to and discussion with the SBCWD Board of Directors Administration Committee, SBCWD Counsel, and selected staff to review next steps.

0.5 Groundwater Monitoring, Planning, Reporting 2016 (100% complete)

This task was preparation of the 2016 Annual Report (December 2016), framed in terms of *Planning a Sustainable Future*. The report includes documentation of groundwater conditions and supply and demand for the Bolsa, Hollister, and San Juan Bautista basins (as locally defined), and an update on SGMA (with recommendations for timely establishment of a GSA). This report includes a major section on groundwater quality, including update of the database, reporting on conditions, and review relative to the recent Salt and Nutrient Management Plan (SNMP). The status of monitoring is considered relative to upcoming SGMA.

0.6 GSA Formation (100% complete)

This task provided the framework for establishment of the San Benito County Water District (SBCWD) as a Groundwater Sustainability Agency (GSA) for the medium-priority groundwater subbasins in the northern county: Bolsa, Hollister, and San Juan Bautista. It involved preparation of application materials, including a service area description and map, and draft list of interested parties. It also included development of a resolution for Board of Directors' consideration of becoming a GSA, public noticing, a powerpoint presentation, and submittal of the GSA packet to DWR. This task also included collaboration with Santa Clara



Valley Water District for development of a Memorandum of Understanding for GSP preparation for the shared San Juan Bautista and Hollister basins. This task provided a presentation (May 9, 2017) to the San Benito County Board of Supervisors regarding the SBCWD GSA.

0.7 Application for Grant Funding (100% complete)

This task provides for development and submittal of an application to secure a grant from DWR's Sustainable Groundwater Planning (SGWP) Grant Program. As such, this task is intended to secure financial support for GSP preparation of the Bolsa, Hollister, and San Juan Bautista basins as defined by DWR. It has included preparation of general information for the application, documentation of SBCWD commitment and eligibility to contract for and receive funding, preparation of project justification sections, and development of a work plan, budget, and schedule. It also has included the resolution by the SBCWD GSA Board of its intent to make an application, and the submittal of the application.

0.8 Request for Basin Consolidation (20% complete)

The SBCWD GSA has indicated its interest in consolidation of the three basins of the Gilroy-Hollister Groundwater Basin: Bolsa, San Juan Bautista, and Hollister. This consolidation into one subbasin would provide continuity from comprehensive, historical groundwater management and would support the transition to cost-effective sustainable management. This task includes a formal decision by the Board of Directors to request boundary modification and a formal resolution. It also includes development and submittal of the needed documents, maps, and explanations needed for a Basin Boundary Modification.

0.9 Groundwater Monitoring, Planning, Reporting 2017 (0% complete)

This task is the preparation of the 2017 Annual Report. It includes update of hydrologic and water use data, processing and analysis of data to document groundwater level and storage changes, SBCWD management activities, and SBCWD operating costs and water charges. It also provides recommendations for continuing SBCWD management. A major effort will involve update of the water budget analysis; this will be conducted (for the last time) using the basin boundaries defined locally in 1996. The GSP water budget analyses will be based on DWR boundaries. The groundwater model will be updated and used to quantify the water budget for past years and to compare these to the storage change computations that have been prepared annually. This will allow historical patterns and trends to be documented and evaluated in terms of implications for future SGMA analyses. The water budget will be summarized, with pertinent data and tables included in appendices. SGMA updates will be addressed in the Management Activities section. The January 8, 2018 presentation to the SBCWD Board of Directors (scheduled according to the San Benito County Water District Act in Water Code Appendix 70) will provide announcement of the initiation of the GSP process.



0.10 Groundwater Monitoring, Planning, Reporting 2018 (0% complete)

This task is the preparation of the 2018 Annual Report. Consistent with previous Annual Reports, this will include compilation and update of hydrologic and water use data, processing and analysis of data to document groundwater level and storage changes, SBCWD management activities, and SBCWD operating costs and water charges. Management recommendations will be provided, supporting continuous management. A special section will provide details on the recommended strategy for completing a GSP before the 2022 deadline, including explanation of how historical analyses will be transitioned and incorporated. The January 14, 2019 presentation to the SBCWD Board of Directors occurs between proposed GSP workshops and thus can provide useful updates to SGMA-related activities.

0.11 Groundwater Monitoring, Planning, Reporting 2019 (0% complete)

This task is the preparation of the 2019 Annual Report. It includes organization and update of hydrologic and water use data, processing and analysis of data to document groundwater level and storage changes, SBCWD management activities, and SBCWD operating costs and water charges. Keeping with the triennial approach to water quality, a special section will include an update of the water quality database, including data collection, data entry, QA/QC and reporting. Quality will be discussed in terms of SNMP monitoring and goals will be assessed. The January 13, 2020 presentation to the SBCWD Board of Directors can provide a useful update to SGMA activities.

Task 0 Deliverables (Available for submittal)

- 2015 Annual Report and Presentation
- Powerpoint presentations and public notice
- 2016 Annual Report and Presentation
- Instructions for Zone 3 Operations Tool
- Northern San Benito County Groundwater Model Update and Enhancement
- Presentation each to SBCWD Board and San Benito County Supervisors

Task 1 Outreach and Stakeholder Engagement

This task supports the agency and public engagement needed throughout the GSP process for the credibility, effectiveness, and acceptance of the GSP. A Communication Plan will be included in the GSP that describes how the GSAs (SBCWD and SCVWD) make decisions as part of the GSP, engage and inform the diverse public, and recognize beneficial uses and users in relation to the GSP. This Communication Plan will incorporate the basic approach of DWR's Guidance Document on Stakeholder Communication and Engagement.

If basin consolidation does not occur and more than one GSP is prepared, it is anticipated that the Communication Plan elements (e.g., website, lists, meetings) will be adapted for mutual use of all GSPs; this is possible given that the basins are contiguous, connected, and



comprehensively managed now. Local interests can be accommodated on a basin and/or management area basis.

1.1 Initiate Communication Plan

A Communication Plan will be initiated by defining the objectives of the outreach program, identifying general groups of stakeholders, considering key messages that the need to be conveyed, identifying venues for communication, outlining a timeline, and providing for self-evaluation. This task anticipates two outcomes: creation of a SGMA website and establishment of a SGMA Advisory Forum (SAF).

The website would serve as a public forum. Easily accessible and readily updated, it would provide online resources, including access to key documents (e.g., review the draft deliverables) and presentations, announcements of public meetings and workshops, an event calendar, and links to key SGMA websites.

The SGMA Advisory Forum would serve as a core group who would commit to workshop participation, draft deliverable review, active cooperation (for example, data sharing and access to monitoring sites) and provision of input on key GSP decisions, for example, definition of sustainability criteria and evaluation of possible management actions and projects. Participants could include representatives of local water agencies, planning agencies, non-governmental organizations (NGOs), and community groups; meetings will be held on a regular basis (e.g., quarterly), will be announced on the website, and will be open to the public.

The Communication Plan also will consider the possibility of focused engagement with specific stakeholders that may have interests in groundwater management, but are not currently active in SGMA activities or are more difficult to engage. These may include disadvantaged communities, Spanish speakers, or growers who have not been engaged in groundwater management.

1.2 Identify and Notify Stakeholders

This is a key task for the Communication Plan; SBCWD has a long history of collaboration with other public agencies, NGOs, growers, and community groups and has developed stakeholder lists. These will be reviewed, updated, and then supplemented by participants in workshops and meetings and online through the website. The list will be maintained through the GSP process. This task also includes the general notification of stakeholders of GSP activities, including preparation of notices and announcements, and update of the website.



1.3 SAF Meetings

Members of the SAF would be tasked with active participation in the GSP process. SAF meetings would be held regularly, open to the public. Specific tasks involved in support of the SAF and SAF meetings include the following:

- Coordination. Develop and maintain contact list for SAF, and provide notification of SAF meetings.
- Preparation. Develop agenda, presentations and meeting materials (as needed).
- Outreach. Coordinate to prepare meeting notices, website announcement, press releases, etc.
- Facilitation and Presentation. Chair the meeting and provide presentation of technical content.
- Follow-Up. Prepare draft and final summaries of workshops. Follow-up on action items.

1.4 Public Workshops

This task involves a series of public workshops to engage members of the public and additional agencies or interest groups in the planning process. The budget assumes six workshops, with the following topics:

1. Kickoff workshop
2. Groundwater conditions
3. Criteria for sustainability
4. Management options for sustainability
5. Preliminary evaluation of management actions
6. Presentation of draft GSP

This task includes the following:

- Preparation. Develop an agenda, workshop plan (staffing, venue, etc.), presentation, and workshop materials including breakout discussion questions (as needed).
- Outreach. Coordinate to prepare meeting notices, website announcement, press releases, etc. Arrange for distribution of materials to encourage stakeholder attendance and engagement.
- Facilitation and Presentation. Provide presentation of technical content and in-person facilitation to maintain focus and balanced participation by stakeholders.
- Follow-Up. Prepare draft and final summaries of workshops. Follow-up with attendance list and action items.

Task 1 Deliverables

- Communication Plan
- Stakeholder List
- SAF meeting agenda, materials, presentations, summaries
- Workshop agenda, materials, presentations, summaries



Task 2 Compile and Review Data; Extend and Update Data Management System (DMS)

SBCWD has been collecting and compiling groundwater data annually including water levels, water quality, and water use for the Annual Groundwater Report. These data are compiled in a relational database, including capabilities for queries to quickly check and summarize data. The primary effort in Task 2 will be to review and update the current data management system (with respect to SGMA requirements and DWR BMPs), to identify data gaps, and to support the GSP monitoring program. A single comprehensive DMS is planned with capabilities to distinguish data according to subbasins and management areas.

2.1 Data Types and Sources

The GSP will build on a solid foundation of data management and reporting. SBCWD has prepared Annual Groundwater Reports for the subbasins for over 30 years; these annual reports compile and analyze a range of data addressing climate, groundwater levels/storage, water quality, surface water flow, water imports, wastewater discharges and water recycling, subbasin water balances, and water use in the context of basin management.

Major data types and sources are listed below; this task will address these data sources with a focus on update and extension of the data sets to address all sustainability criteria and to encompass the subbasins as defined by DWR.

Climate Data (precipitation, evaporation, temperature)

- California Irrigation Management Information System (CIMIS) Stations
- PRISM Model Precipitation Contour Maps from the Oregon Climate Service (Parameter-elevation Relationships on Independent Slopes Model), produced through the Western Regional Climate Center (WRCC)

Surficial Data Sets available for the Subbasins

- Topography – National Elevation Dataset (NED) from USGS, 10-meter and 30-meter
- Aerial Photography – National Agriculture Imagery Program (NAIP) administered by the U.S. Department of Agriculture (USDA) Farm Service Agency
- Soils – USDA National Resources Conservation Service (NRCS), including the Soil Data Viewer 6.0 add-in to ArcMap for analysis of soil properties, soil permeability, and restrictive layers
- Geology maps – Geologic Map for the Santa Cruz Quadrangle, California, 1: 250,000 and California Geologic Survey shapefiles.

Land Use

- Department of Water Resources (DWR) crop types on agricultural lands through the Division of Planning and Local Assistance

- 
- Crop Coefficients from DWR Consumptive Use Program
 - County Crop Reports
 - California Farmland Mapping and Monitoring Program (CFMMP) maps
 - Land Use and General Plans: County, Hollister, San Juan Bautista

Aquifers and Aquifer Properties

- DWR Well Completion Reports
- Geophysical logs from local agencies
- Local hydrogeologic investigations from public agencies
- Estimated specific capacity and aquifer property data from numerical model
- Published literature (DWR and others) and individual public agency studies on aquifer hydraulic properties including transmissivity, hydraulic conductivity, and storage parameters

Groundwater Elevation Data

- Groundwater level data from SBCWD database, 1977 to present
- Online data from the DWR CASGEM website (Data Library)
- USGS data from the National Water Information System (NWIS) website
- Unpublished water level files from individual water agencies in the subbasin (both production wells and monitoring wells)
- Data from one nested monitoring well

Groundwater Quality Database

- Public water supply well water quality monitoring data (Division of Drinking Water, State Water Resources Control Board)
- Unpublished water quality data from individual water agencies in the subbasin
- Local investigations for specific groundwater quality issues (e.g., nitrate and arsenic) available from local agencies
- Salt and Nutrient Management Plan
- GeoTracker data from the State Water Resources Control Board
- Data from the Groundwater Ambient Monitoring and Assessment (GAMA) Program

Production Wells/Pumping Data

- Municipal water supply wells
- Private irrigation wells; currently measured in Zone 6 only
- Other private irrigation wells
- Small water system wells
- DWR well completion reports



Water Resources Planning Documents and Technical Studies

Numerous planning documents and technical studies are available that will be incorporated into the GSP; recent key documents are listed below. State planning documents will also be included, including the Water Quality Control Plan (Basin Plan).

- Annual Groundwater Reports
- Groundwater Management Plan (1998 and 2003)
- Development of a Water Quality Monitoring Program (2004)
- Salt Nutrient Management Plan (2014)
- Pajaro River Watershed Integrated Regional Water Management Plan (2007)
- Hollister Urban Area Water and Wastewater Master Plan Report (2008)
- Urban Water Management Plan (2016)
- San Benito County General Plan Update (2016)

2.2 Study Periods

SGMA documentation and analysis involves definition of various study periods (and time steps) for historical, current, and projected future conditions; for example, historical conditions must include at least 10 years and future conditions involve projection of 50 years of rainfall/streamflow conditions. This task will define study periods that satisfy GSP regulations and represent local conditions and will evaluate available data in terms of study periods/time steps. SBCWD has decades of data; for example, its Annual Reports present hydrographs extending back 40 years to 1976. Additional groundwater level data are available as early as 1915. Study periods (for example to support update of the numerical model) will be defined to be representative of long-term conditions, and to include wet and dry periods.

2.3 Technical and Reporting Standards

Compilation of data and information to support the GSP will adhere to applicable standards for data, reporting, monitoring, and GIS, as applicable (**Reg. § 352**). Data will be documented with source of the data, types and methods of measurements, and comments on protocols, when available. Well information will include available data per requirements of **Reg. § 352.4 (c)**.

2.4 Data Management System

GSP regulations (**Reg. § 352.6**) require development and maintenance of a data management system (DMS) capable of storing and reporting information relevant to the development or implementation of the GSP and monitoring of the basin.

The three current relational databases (stored in MS Access) will be expanded and updated to organize data needed for the GSP. The overall database structure includes tables that integrate with the way that SBCWD monitors and reports specific data elements. These tables will be reviewed and documented to make the database easy to update and to use. The Hydrology database contains water levels, climate, local reservoir releases, available



streamflow data, and monitoring well construction information tables. The soils and land use database contains data relating to DWR land use maps and NRCS soil studies. The Water Quality database was developed as part of the 2004 Development of a Water Quality Program, funded in part through a Local Groundwater Assistance grant. The Water Quality database and associated data entry tools have been updated triennially as part of the Annual Report. The database will be further updated for the GSP and well information will be cross referenced with the hydrology database to maintain consistent information on individual wells.

Task 2 Deliverables

- Description of sources, types, management, and QA/QC of data to support the GSP
- Final DMS. Electronic copies of the three relational databases and any additional databases developed through the process will be made available.

Task 3 Describe GSA and Plan Area

This task begins the preparation of the GSP with organization and compilation of the required information (per **Reg. § 354.2 – § 354.6**) on the GSAs (SBCWD and SCVWD) preparing the GSP. With description of jurisdictions, water supply purveyors, and land use planning agencies, this task sets the stage for cooperation and collaboration among agencies. This task also will document the areal distribution of water supply wells and will provide descriptions of existing water resources management and monitoring programs. These will lay the groundwork for consideration of the interaction of the GSP with existing management and monitoring programs and land use plans. Descriptions will distinguish the subbasins as needed for a single or multiple GSPs.

3.1 Present GSA Information

This task covers requirements in **Reg. § 354.6** and will introduce the management structure for the GSP. GSP preparation overall will be led by the SBCWD GSA, cooperating with SCVWD GSA per the July 5, 2017 MOU, which lays out the respective roles and responsibilities of the two GSAs in GSP preparation for the shared Hollister and San Juan Bautista subbasins. This subtask will describe each GSA and its respective legal authority.

3.2 Evaluate Funding for GSP Implementation

This task will evaluate the fiscal structure to fund GSP implementation. This evaluation will be summarized in the GSP document, in terms of the costs of implementation and how to meet those costs. This information will be developed as the GSP is prepared and will be provided with context in terms of the SBCWD's current revenue sources. It is noteworthy that SBCWD is authorized (through its founding legislation in California Water Code Appendix 70) to levy a groundwater charge or charges against all persons operating groundwater-producing facilities within a zone or zones. For example, (and as documented in the Annual Reports), SBCWD assesses charges to its Zone 6 water users reflecting the costs associated with groundwater monitoring and management, including the cost of purchasing Central Valley Project water and power charges associated with percolation.



Zone 6 overlaps portions of the Bolsa, Hollister, and San Juan Bautista subbasins (as defined by DWR) and the Central Valley Project facilities associated with Zone 6 are fundamental to the joint management of the subbasins.

3.3 Describe Plan Area and Institutional Setting

This task will describe the GSP Area (per **Reg. § 354.8**), including development of GIS maps showing groundwater basins, GSP Area, jurisdictional boundaries, land use designations, and density of wells. This task will rely on previous work (e.g., Annual Groundwater Reports and Urban Water Management Plan), build on SBCWD's existing GIS, and utilize existing documents (e.g., county and city general plans).

Plan Area Maps and Basin Boundary

As noted above, SBCWD plans to request consolidation of the Bolsa, San Juan Bautista, and Hollister subbasins. The subbasin boundaries will be documented on a map as they currently are defined, and with the requested consolidation. Consolidation of the subbasins would allow the development of one unified and effective GSP; this Unified GSP Area will be indicated on the maps, with acknowledgment that continuation of three separate subbasins could compel preparation of multiple GSPs.

Jurisdictional Areas

Jurisdictional boundaries of state land (e.g., Hollister Hills SVRA), cities, counties, and agencies with water management responsibilities will be identified using appropriate maps and will be described. No tribal or federal lands are known in the subbasins.

Water Supply and Water Purveyors

Water supply agencies in the GSP Area will be documented. In addition to SBCWD and SCVWD, these include the City of San Juan Bautista, City of Hollister, Sunnyslope County Water District, Tres Pinos County Water District, and Aromas Water District. These agencies have collaborated in groundwater management for many years and will be providing data and information to support the GSP. Water supply by source and use will be summarized and maps of service areas will be provided. It should be noted that the Hollister and Sunnyslope services overlap the San Juan Bautista and Hollister subbasins. Most of these agencies have monitoring wells that are used to track local groundwater levels and quality.

In addition, information on small public water systems in the subbasin will be obtained through County and State files and incorporated into the GSP. Although much of the groundwater pumping associated with these systems may involve small (de minimis) amounts, a better understanding and documentation of all pumping in the groundwater subbasin will be an objective of this GSP (in compliance with **Reg. § 354.8 (a) (5)**).

Density of Wells

Numerous wells exist for monitoring, domestic, commercial/industrial, landscaping and agricultural irrigation purposes. SBCWD and SCVWD serve as the well permitting agencies in their respective counties and can provide information on wells.



DWR well completion records are a source of well numbers and general locations, although most records are inadequate for accurate well locations. DWR is compiling information from these well records as part of its Technical Assistance Program, scheduled for release in a few months. Those data, along with other information described above, will be reviewed for possible incorporation into the well inventory and well map.

A well density map showing wells per square mile will also be developed using dasymetric or similar mapping techniques (**Reg. § 354.8 (a) (5)**). This will support identification of groundwater-dependent areas by well types.

3.4 Describe Current Monitoring Programs

SBCWD has implemented a regional water resource monitoring program for the GSP Area with substantial data readily available for decades. This has been a collaborative effort involving local water purveyors, stakeholders, and state agencies. As summarized in the Annual Reports, current monitoring includes collection of data addressing climate, groundwater levels/storage, water quality, surface water flow, water imports, wastewater discharges and water recycling, managed aquifer recharge (percolation), and water demands (by use, source, and subbasins). Nonetheless, this monitoring program has been focused on portions of the GSP Area and on groundwater management issues identified in earlier Groundwater Management Plans. In addition, it is uneven for various historical reasons; for example, groundwater pumping is measured in SBCWD Zone 6 but not elsewhere. Accordingly, the monitoring program will be reviewed in terms of extension to cover the entire GSP Area, to identify data gaps, and to assess effectiveness in tracking sustainability indicators. This task will include consideration of how existing monitoring helps or hinders GSP monitoring.

3.5 Describe Water Resources Management Programs

SBCWD has had a leading role in water resource management programs, which are collaborative efforts with multiple agencies and organizations. Management activities are regularly summarized in the Annual Reports. Based on these, a brief history of groundwater management activities will be developed to provide context for ongoing programs.

3.6 Describe Land Use Planning

This task will describe land uses and land use planning (per **Reg. § 354.8**). Land use was mapped by DWR in 2002, updated to 2010 using available aerial photography, and documented in the 2012 Annual Report. Recognizing ongoing changes (e.g., increases in vineyards), land use will be updated to current conditions, as data are available.

General Plans, specific plans, and other planning documents (specifically from San Benito and Santa Clara counties and cities of Hollister and San Juan Bautista) that affect land use and water use will be compiled and summarized. This task also will address 1) how the land use plans could affect the ability of the GSA to achieve sustainable groundwater management over the planning and implementation horizon, and 2) how GSP implementation will affect the water supply assumptions of land use plans.



Well permitting is handled by SBCWD and SCVWD for their respective counties; this section will summarize the well permitting processes, standards and policies.

3.7 Incorporate Additional GSP Elements

Additional elements are referenced in **Reg. § 354.8 (g)** for inclusion in the GSP; a list of these elements is provided below. Similar elements (tailored to San Benito issues) were identified in the 1998 and 2003 GWMPs; these and the elements below will be reviewed for contribution to the GSP.

- Control of saline water intrusion
- Wellhead protection
- Migration of contaminated groundwater
- Well abandonment and well destruction program
- Replenishment of groundwater extractions
- Conjunctive use and underground storage
- Well construction policies
- Groundwater contamination cleanup, recharge, diversions to storage, conservation, water recycling, conveyance, and extraction projects
- Efficient water management practices
- Relationships with State and federal regulatory agencies
- Land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially create risks to groundwater quality or quantity
- Impacts on groundwater dependent ecosystems

3.8 Summarize Notice and Communication

As required in **Reg. § 354.10**, this task will summarize the notification and communication by the GSA with interested parties. The summary will document beneficial uses and users of groundwater in the GSP Area, how land uses and other parties are affected by groundwater use, and how all parties have been consulted. The summary will include a list of public meetings regarding the GSP and comments received. A Communication Section providing the details required in **Reg. § 354.10(d)**. Development of the communication section is part of the Outreach and Stakeholder Engagement (see **Task 1** of this Work Plan).

Task 3 Deliverables

- Administrative Draft and Draft GSP sections for Administrative Information and Plan Area Description
- Items required for submittal to DWR as identified in **Reg. § 354.6** including the name and address of the GSAs (SBCWD and SCVWD), persons with management authority for implementation of the GSP, designation of the GSP Manager and contact information, demonstration of the legal authority to implement the GSP, and the costs of GSP implementation and how the GSAs plan to meet those costs.



Task 4 Describe Hydrogeologic Conceptual Model and Groundwater Conditions

The hydrogeologic conceptual model (HCM) provides a description of the structural and physical characteristics that govern groundwater occurrence, flow, storage, and quality. The HCM and analysis of groundwater conditions will cover the entire GSP Area, thereby providing a unified context while also providing basin-specific information if multiple GSPs are required. This discussion should serve as a basis for definition of Management Areas, as warranted. Overall, this task will utilize existing information to describe how the local surface water-groundwater system works; the approach and methodologies will comply with **Reg. § 354.14**.

4.1 Hydrogeological Conceptual Model

This task involves analysis and description of the hydrogeologic framework, including the geometry and structural controls of the groundwater basin, delineation of aquifers and aquitards, and evaluation of aquifer properties. The geologic structure of the GSP Area is highly complex (for example, with major faults that affect groundwater flow) and has not had a comprehensive evaluation since 1992. Moreover, the stratigraphy has proven difficult to interpret; for example, previously-hypothesized Pleistocene lakes have disappeared upon close examination of geologic data. This task will provide a fresh examination of the hydrogeologic setting from a groundwater basin management perspective.

Describe Physical Setting

The first subtask will describe the physical setting of the GSP Area and provide regional maps:

- Topography (which varies substantially across the GSP Area) and general drainage
- Soil types and characteristics
- Regional geologic setting, including surface geology
- Location of faults (e.g., San Andreas Rift Zone, Calaveras Fault and others)
- Geologic structures (e.g., Sargent Anticline).

Describe Principal Aquifers and Aquitards

The principal aquifers may be summarized as younger alluvium along major streams, older alluvium, and Tertiary non-marine deposits. Despite various geologic investigations, differentiation of specific formations, aquifers, and aquitards generally has been difficult, mostly reflecting the heterogeneity and gradational nature of the units. While those studies have confirmed vertical water-level gradients within the basin deposits, those appear to be related to the depth of pumping, not to specific confining layers. No broad pattern of stratigraphy has thus far been identified in the basin.



Prepare Cross Sections

Regional data, previous studies, and geologic maps will be used to develop several regional cross sections that illustrate the geologic structures and hydrogeologic formations across the GSP Area. Localized cross sections will also be prepared to provide more detail for the hydrostratigraphy of the Bolsa, Hollister, and San Juan Bautista subbasin areas.

Describe Aquifer Properties

Aquifer properties (including transmissivity, vertical and horizontal hydraulic conductivity, and storage parameters) have been developed in the GSP Area by multiple investigators to support development of numerical groundwater flow models. In addition, local information is available from pumping tests. These data will be considered to develop an understanding of aquifer properties areally and vertically. As suggested previously, distinct boundaries between aquifers and aquitards have been difficult to discern. Nonetheless, artesian conditions have occurred in the GSP Area and will be documented in terms of changing areal extent over time. The role of each known fault as a barrier to groundwater flow will be described based on groundwater model calibration results and water-level patterns when groundwater levels were at historic lows in the 1970s.

Describe the Bottom of the Basin

For practical purposes, the bottom of the basin is defined by the depths of wells and a transition from fresh to saline water quality rather than a contact between unconsolidated basin fill deposits and consolidated bedrock. Most of the basin thickness consists of the Purisima Formation, which contains non-marine deposits in its upper units and marine deposits in its lower units. This gives rise to differences in water quality with depth. As a result of folding, the Purisima Formation also forms the hills on either side of the San Juan Bautista (Lomerias Muertas, Flint Hills, Bird Creek Hills, etc.). Although these areas are within the basin, permeability appears to be lower than in the valley areas due to effects of folding and minor, localized faulting.

4.2 Groundwater Conditions

This task documents current and historical groundwater conditions (per **Reg. § 354.16**) building on existing data, and monitoring and reporting programs. As summarized below, considerable information is being compiled and analyzed as part of SBCWD's ongoing Annual Reports. These Annual Reports, which have been produced at the direction of the SBCWD Board of Directors for over 30 years, are anticipated to merge into the GSP Annual Reports of the future. These reports address not only groundwater conditions, but also climate, surface water, and imported water. Accordingly, these topics also are addressed here. Documentation in this task will include the following:

- Climatic setting including rainfall and reference evapotranspiration patterns (areal and temporal), temperature data
- Surface water gage locations and periods of record for the Pajaro, Pacheco, and San Benito river systems, and miscellaneous measurements

- 
- Source and point of delivery for local reservoirs (e.g., Hernandez and Paicines) and imported water supplies (Central Valley Project)
 - Groundwater level data (measured quarterly in 85+ wells; compiled into database; autumn data analyzed and mapped for the Annual Report)
 - Groundwater storage (estimated annually (October-October) for the Annual Report)
 - Groundwater quality data (compiled and analyzed triennially for the Annual Report)

While the program of monitoring, data analysis, and reporting on groundwater conditions has been maintained continuously for over 30 years, it has been focused on the more intensively developed and managed portions of the subbasins. Accordingly, this task will expand the coverage to include identification and review of areas that have not been the focus of previous groundwater conditions analysis. This effort will be integrated into the development of the monitoring network (Task 11).

Management efforts to date have addressed the sustainability criteria to various degrees. However, SGMA provides a systematic process for evaluation of sustainability criteria, which will be addressed as follows:

Document Historical and Current Groundwater Elevations

Long-term water records spanning more than 50 years will be presented to illustrate the interaction over time of groundwater levels with land use changes and with development and management of groundwater and surface water supplies. An approximate 40-year study period representing average hydrologic conditions (and ending with recent water levels) will be used to evaluate wet and drought cycles and annual changes in groundwater over time. Study periods and analyses will be coordinated with Llagas subbasin to the extent practical.

As noted above, specific aquifers and aquitards have not been differentiated in the GSP Area because of the heterogeneity and gradational nature of the units. Although the issue will be examined, it is anticipated that groundwater elevation information will not be subdivided.

Develop Hydrographs to Analyze Trends and Fluctuations in Water Levels

To track groundwater levels, the Annual Reports provide composite hydrographs (from 1976 to present) representing 50 selected wells distributed across eight designated subareas. The Annual Reports also present hydrographs with comparison to annual pumping on a subarea basis. In addition, the current DMS has data from over 227 wells ranging from 1924 to the present. These will be reviewed for inclusion in the GSP, thereby providing continuity of analysis and reporting. However, the selection and grouping of key wells will be reexamined in terms of areal coverage with Bulletin 118 boundaries and potential management areas, and in terms of suitability to evaluate and track sustainability criteria.

Hydrographs submitted to DWR will provide the required information listed in **Reg. § 352.4 (e)**, including a unique site identification number and ground surface elevation, and will use the same datum and scaling, when practical. As required, hydrographs will be submitted electronically in accordance with DWR procedures.



Prepare Water Level Contour Maps

Groundwater elevation contour maps for autumn (seasonal low) conditions are currently prepared for the Annual Reports; annual data are provided in an appendix. In conjunction with refinement of the monitoring program (see Task 11), the groundwater level monitoring network and resulting contour maps will be reevaluated. This will account for extension toward Bulletin 118 basin boundaries, adequate density of wells, and coverage relative to sustainability criteria. This task will involve preparation of extended and revised maps for seasonal low (October) and seasonal high (April) conditions.

Groundwater level contour maps also are used in the Annual Reports to provide three profiles of historical groundwater levels across the GSP Area. Such profiles have been prepared since 1976 and provide useful comparison of current groundwater levels with historical high and low levels; these will be reviewed for utility in defining and tracking minimum thresholds for groundwater levels.

Estimate Change of Groundwater in Storage

The Annual Reports provide annual groundwater in storage change maps (October to October). Like the water level contour maps, these will be reevaluated with respect to basin boundaries and as the monitoring network changes. Consistent with GSP requirements (**Reg. § 354.16(b)**), a graph will be prepared that depicts annual change in storage along with annual groundwater use and water year type.

Characterize Groundwater Quality

Groundwater quality is monitored by SBCWD at least annually in 18 wells, with a focus on TDS and nitrate. In addition, information is compiled from local and state agencies into a database that contains over 450,000 records from water systems and regulated facilities. The Water Quality database (part of the larger DMS) was originally developed through a local groundwater assistance grant from DWR. The database continues to be updated and evaluated on a triennial basis for the Annual Reports. Monitoring for the Salt and Nutrient Management Plan is closely coordinated. TDS and nitrate trends are tracked in the SNMP, with reference to Basin Plan objectives. Appendices provide documentation of the monitoring network, distribution of TDS and nitrate, and location of regulated facilities. This monitoring program and database provides a solid basis for characterization. Nonetheless, it will be reviewed in conjunction with refinement of the monitoring program (see Task 11) and potentially extended.

Describe Land Subsidence and Potential for Subsidence

Land subsidence has not been a known issue in the GSP Area. Nonetheless, its potential was recognized in the 2003 Groundwater Management Plan, which established a specific water quantity criterion to manage groundwater levels, to maintain groundwater storage, and to limit drawdown to historical low levels of about 1977 to preclude and/or minimize the potential for ground settlement (i.e., inelastic land subsidence). SBCWD management of groundwater levels has been successful in meeting these objectives, except for local



declines in recent years at the end of the drought. This indicates little potential for subsidence. Nevertheless, available information will be used to discern if inelastic subsidence has occurred (and if so, where and how much).

Consistent with the existing management, water level monitoring may serve as a proxy for land subsidence monitoring in the GSP.

Examine Interconnected Surface Water and Groundwater-Surface Water Interaction
With the exception of the Pajaro River, creeks and rivers that cross the basin flow only seasonally. Along some reaches, perennial flow results from groundwater seepage into the channels when groundwater levels are relatively high. These include the San Benito River in the western half of the San Juan Bautista, Tequisquita Slough, and Pacheco Creek as it approaches San Felipe Lake. Surface water-groundwater interconnection will be described based on studies of these gaining reaches in the early 2000s and a modeling study of pumping effects on Pacheco Creek flows in 2014. The Pajaro River represents the basin's northern boundary. Santa Clara Valley Water District (SCVWD) is the GSA for the Llagas basin which shares the Pajaro River as a boundary. SBCWD and SCVWD share data on water levels across this boundary and will work together to examine the interconnection between the Pajaro River and the ground water basin.

Task 4 Deliverables

- Administrative Draft and Draft GSP sections for Hydrogeologic Conceptual Model and Groundwater Conditions

Task 5 Identify Management Areas

If needed, the GSP Area will be divided into Management Areas (**Reg. § 354.20**) defined to facilitate sustainable groundwater management and GSP implementation.

Previous tasks describing water supply, groundwater management, and hydrogeology will form the basis for proposing Management Areas. The GSP regulations note that a Management Area may involve different criteria (minimum thresholds and Management Objectives) and management actions for each Management Area based on differences in water use sectors, water source types, hydrogeology, or other factors. Management Areas will be discussed through a public process involving local agencies and stakeholders.

Three key factors are: 1) that the GSP Area currently consists of three DWR-defined subbasins, 2) that SBCWD will request consolidation, and 3) that distinct subbasins had been defined by SBCWD in 1996 and used thereafter. These SBCWD subbasins, while not extending to DWR boundaries, were consistent with SGMA in addressing water supply, management, and hydrogeologic factors. While honoring DWR boundaries, management areas may be similar to previously-established subbasins, providing continuity of management, analysis, and reporting.



Task 5 Deliverables

- Memorandum defining management areas, including map of Management Areas

Task 6 Quantify the Water Budget

Water budgets will be quantified for historical and current conditions per **Reg. § 354.18**. This will involve use of past studies, the existing model, and recent monitoring data and investigations; water balances developed by SCVWD for the adjacent Llagas Basin also will be reviewed to promote a consistent approach. SBCWD has prepared water budgets on a triennial basis for the northern subbasins (as locally defined) with reporting through its Annual Groundwater Report. The GSP Water Budget will build off these water balances and include use of available data and best available science to quantify inflows, outflows, change in storage and overdraft. Water budgets will address subbasins and management areas as required.

6.1 Water Balance Information

This task will document the available data for a historical water balance of the basin. Water budgets prepared for the Annual Report will be a key resource. Additional information will be required to update and expand these water budgets as the GSP Area extends farther than the targeted area of the Annual Report. Available information includes:

- Climate data
- Soil data (to estimate natural percolation)
- Groundwater pumping (annually within Zone 6)
- Imported water use
- Recycled water use
- Selected stream gages on the San Benito River, Willow Creek, and Pacheco creek (historical and/or current data)
- Volume of reclaimed water percolated
- Reservoir releases (Hernandez and Paicines Reservoirs)

However, data gaps are recognized that must be bridged through estimation, additional studies, monitoring, further analysis, or assumptions. These data gaps include:

- Groundwater pumping (outside Zone 6)
- Spatial distribution of agricultural land by crop
- Rate of percolation in surface water ways (synoptic surveys and flow monitoring are needed on many creeks and rivers)
- Irrigation schedules and efficiencies (needed to calculate return flows from agricultural water use)
- Storativity estimates across the basin
- Subsurface flow



6.2 Water Balance Description

Consistent with the hydrogeologic model and the numerical model, this task will provide detailed qualitative descriptions of the inflows and out flows of the basin. Inflow and outflow between management areas will be discussed. The relative uncertainty in the storativity values of the basin and its impact on change in storage volumetric estimates will be documented.

6.3 Quantification of the Water Balance

Historical water budgets will be used to consider how past conditions, land use development, and water availability have affected overdraft. Quantification of the water budget will extend back a minimum of 10 years; recognizing the option to extend the water balance further in the past to capture a broader range of conditions. A sustainable yield will be estimated and discussed in terms of the availability/reliability of surface water supply deliveries, which are critical to local sustainability. This section also will discuss basin responses to water supply and demand trends relative to water year types.

Consistent methods will be applied to estimate the inflows and outflows for the historical water balance and these same methods will be used to apply to a forecasted future water balance. It is understood that DWR will provide guidance on evaluating climate change; assumptions on future conditions such as climate, water use and water availability will be documented and the uncertainty of the future water balance will be addressed.

6.4 Identify and Fill Data Gaps

The water balances (past and future) will be based on best available data. Data gaps will be identified and prioritized. One key data gap already identified (and listed above) is the amount of groundwater pumping in the Bolsa and South San Juan Bautista areas of the basin. Groundwater pumping is measured in the Zone 6 portions of the three subbasins, and SBCWD will consider options for consistent and improved measurement of groundwater pumping across the GSP Area. An additional data gap concerns recharge from surface water (e.g., San Benito River) in the South San Juan Bautista area.

Task 6 Deliverables

- Administrative Draft and Draft GSP sections for Water Budget

Task 7 Update and Extend Existing Groundwater Model

SGMA effectively requires that groundwater modeling be used to demonstrate that a GSP will achieve sustainable basin operation (**Reg. § 352.4**). SBCWD has a numerical model that has been developed, periodically updated, and used for various scenarios (Yates, 2001). This existing MODFLOW model (and linked surface hydrology model and pre-processing utility programs) will be assessed for its applicability to SGMA including consistency with modeling BMPs. This comprehensive groundwater model will serve as the numerical modeling tool for all three subbasins.



7.1 Update Existing Model

This task includes updating the model through 2016, recalibration, and simulation of up to six management measures. A publicly available report with available supporting documentation will be developed as part of the GSP.

The numerical model will be updated to reflect the hydrogeological conceptual model and water balance described in the above tasks. The objectives and variables involved in proposed management scenarios will be used to inform the model update. At a minimum, the model area must be extended to include all the San Juan Bautista subbasin (the current model only extends to the Tres Pinos area) and will be updated through 2016. The model grid should be discretized appropriately based on proposed projects to be evaluated.

The need for augmenting the model to include simulation of water quality will also be considered. This capability could be needed to account for the variable salinity of groundwater throughout the basin and to evaluate opportunities and constraints related to groundwater demineralization. Previous versions of the model have simulated the flow and transport of TDS to simulate recycled water recharge projects.

7.2 Model Scenarios

Simulation of future scenarios will identify which management actions and water budget situations commonly result in undesirable results. These simulations can aid in selecting and refining proposed management actions and evaluating their potential effects. The update of the model will also help further the understanding of the hydrogeologic conceptual model, water balance, and sustainable yield for the basin. The model update will identify data gaps, uncertainty, and sensitive parameters. These data gaps in turn can inform monitoring and future data collection.

Task 7 Deliverables

- A publicly available report documenting the model and scenario results

Task 8 Define Sustainability Criteria

This task will build on the hydrogeologic conceptual model, groundwater conditions, and water budgets to define and evaluate sustainability for the GSP Area. Understanding that seawater intrusion is not applicable, this task will systematically address each of the five remaining sustainability indicators (while recognizing that these are interlinked and must be handled consistently across the basin.) This task will describe the cause of undesirable results and the effects on beneficial uses/users and landowners/property interests.

While SBCWD has a long history of groundwater management, such management has not included systematic quantification of undesirable results, minimum thresholds, or measurable objectives to the extent required by SGMA. Defining these specific sustainability criteria, eliciting input from the SGMA Advisory Forum and stakeholders, and creating a detailed plan for future sustainability will be a focused effort. As required, sustainability



criteria will be defined on a subbasin and/or management area basis, mindful of the entire GSP Area (and adjacent Llagas Basin as well).

8.1 Sustainability Goal

Through meetings, workshops and communication, SBCWD, local agencies, and interested parties will come together for a shared vision of how groundwater can be managed sustainably. This task will summarize information from the hydrologic conceptual model, basin setting, and water budget; consider beneficial uses and users; and establish the sustainability goal, the measures to be implemented for operation within sustainable yield, and how sustainability can be maintained through the planning and implementation horizon.

8.2 Undesirable Results

To define undesirable results (**Reg. § 354.26**), this task will evaluate the five sustainability indicators (all except seawater intrusion) in terms of:

- Chronic lowering of groundwater levels
- Reduction of groundwater storage
- Degradation of water quality, including contaminant migration
- Land subsidence
- Depletion of connected surface water with adverse impacts on beneficial uses.

A stakeholder process is central to this evaluation. Definition of undesirable results will begin with identification of the beneficial uses of groundwater and surface water in the GSP Area, consideration of conditions that are deemed significant and unreasonable for each indicator, and evaluation of basin-wide conditions that cause undesirable results. SBCWD will utilize its long history of groundwater level monitoring and management to summarize historical groundwater level lows and the resulting impacts (for example, well yield declines, water quality deterioration, or subsidence). The numerical model also may be applied to explore undesirable results (for example, depletion of connected surface water) given current land uses, water demands, and operating conditions. The definition of undesirable results also will be based on applicable local, state, and federal standards, especially as applied to beneficial uses and water quality objectives in the Basin Plan. Agricultural water standards and problematic constituents (e.g., boron) for various crops will also be addressed. Potential effects of undesirable results on land use and property interests will be considered and discussed with stakeholders.

8.3 Minimum Thresholds

Minimum thresholds are quantified for each sustainability indicator and used to define undesirable results. Minimum thresholds for each sustainability indicator will be defined, justified and explained, quantified with comments on uncertainty, and linked to specific monitoring sites. Each will be explained in terms of how they help avoid undesirable results, how they might affect beneficial uses/users and landowners/property interests, how they relate to established regulatory standards, and how they will be measured. Descriptions of



minimum thresholds will be consistent with DWR GSP regulations (**Reg. § 354.28**). If management areas are used, the minimum thresholds for these individual areas will be defined and possible undesirable results outside the management area will be discussed, if applicable.

Groundwater levels will be used to define a minimum threshold for at least one (or more) sustainability indicator(s), such that significant and unreasonable lowering of groundwater levels below the defined elevation is deemed an undesirable result. Such minimum thresholds will likely differ across the GSP Area and will be defined at representative monitoring sites (**Reg. § 354.28**). Definition of representative monitoring sites will be linked to evaluation and development of the monitoring program. Groundwater levels may be used as a proxy for subsidence; given that no subsidence has been documented despite historical low groundwater levels, using water levels as a proxy would avoid significant land subsidence.

8.4 Define Measurable Objectives

The measurable objective is a quantifiable goal for the maintenance or improvement of specified groundwater conditions related to each sustainability indicator and the sustainability goal. This task will build on previous information and analysis to establish sustainability objectives (**Reg. § 354.30**) and milestones, if needed. Consistent with SGMA, these will be quantified for each sustainability indicator, consistent with minimum thresholds, and reasonably flexible. This GSP section will describe the pathway to sustainability the basin within 20 years of GSP implementation, including a description of interim milestones for each relevant sustainability indicator, if needed, using the same metric as the measurable objective, in increments of five years.

Task 8 Deliverables

- Administrative Draft and Draft GSP sections on Sustainability Criteria

Task 9 Describe Management Actions and Projects

This task will describe management policies, programs, and projects for sustainable management. Already recognized and proposed/planned actions and projects will be summarized in terms of applicability to sustainability criteria. Additional actions and projects likely will be identified through the GSP process as local agencies and stakeholders consider undesirable results and thresholds; this task describes the process in which projects will be identified, evaluated, and selected relative to sustainability indicators. For selected projects, this task will describe projects in terms of permitting, CEQA, and legal authority and how they would be implemented, including notification to the public and agencies when they are triggered or terminated. Water imports will be described in terms of availability and reliability, and groundwater management (e.g., recharge, demand management) will account for drought and wet years.



Given that historical groundwater management has been comprehensive across subbasin boundaries, it is likely that some projects will be basin-specific or local. These will be described on the basis of subbasins and/or management areas. Some projects will extend across the current subbasin boundaries; if the three subbasins are not consolidated, descriptions will be repeated in each GSP.

9.1 Identify Management Actions and Projects

The first step identifies relevant projects and actions. Previously proposed projects (including those in the IRWMP and GMP) will be included in this initial phase. Additional projects may be suggested by the SAF and during stakeholder outreach. Three major types of projects include demand management projects, managed recharge, and conjunctive use.

- Demand management options include water conservation, efficient management practices for water delivery and use, and—with more severe water supply shortages and groundwater storage declines—voluntary fallowing programs and pumping regulation. SBCWD and local agencies have many ongoing water conservation programs administered through the Water Resources Association of San Benito County. New projects will build on this foundation of outreach and education.
- Managed recharge projects will be considered with a variety of locations, source water, and methods. Historically, local and imported surface water has been recharged along surface water ways and wastewater has been percolated in disposal ponds. Targeted recharge projects may serve to replenish groundwater resources as needed.
- SBCWD relies on a portfolio of water supply sources: groundwater, imported water, recycled water, local surface water. Projects for augmenting each one of these separate supplies should be considered, in addition to conjunctive use to manage these supplies efficiently. In lieu recharge, whereby groundwater is replaced with surface water or recycled water supplies when available, has been critical to local sustainable management, reserving groundwater resources for when surface supplies are unavailable.

9.2 Evaluate Management Actions and Projects

Management actions and projects will be evaluated based on pre-defined criteria, including benefits relative to sustainability indicators, general technical feasibility, costs, and environmental impacts among others. A list of screening criteria will be developed in this task and refined through discussion with the SAF. The numerical model will be used for a screening level analysis to assess the level of impact on the basin. Projects that show potential to benefit sustainability will be selected as preferred projects.

9.3 Assess Technical Feasibility/Engineering of Preferred Projects

Once projects have been identified as preferred alternatives, the technical feasibility will be assessed including reliability and access to water supply source. Detailed model scenarios will assess the technical feasibility of the project. A high-level assessment of required property or permits and cost benefit analysis will be performed. The preferred projects will be ranked and documented.



9.4 Develop Implementation Plans for Selected Projects

This task will involve development of an implementation plan and cost estimate and description of how projects and actions are funded and/or financed. Input is assumed from the SAF regarding implementation and funding of proposed management measures. This task will also document how each project affects separate management areas and how management actions may respond to changing conditions in the basin.

Key points for each proposed project will be documented in accordance with SGMA guidelines including:

- Circumstances for implementation
- Public noticing
- Permitting, CEQA compliance, and regulatory process
- Time-table for initiation and completion, and the accrual of expected benefits
- Expected benefits and how they will be evaluated
- How the project or management action will be accomplished
- Legal authority required
- Estimated costs for the projects and managements and plans to meet those costs
- Management of groundwater extractions and recharge
- Relationship to additional GSP elements
- Interbasin and Coordination Agreements (as applicable)
- Groundwater Model Documentation
- Public Comments and Responses

Task 9 Deliverables

- Administrative Draft and Draft GSP sections for Management Actions and Projects
- Appendix with preliminary designs for preferred portfolio of actions and projects

Task 10 Plan for GSP Implementation

This task will lay out the steps for implementation of management actions and projects, with scheduling and estimation of costs. Given that historical groundwater management has been comprehensive across subbasin boundaries, it is likely that some projects will be basin-specific or local. Their implementation will be described for subbasins and management areas. Some projects will extend across the current subbasin boundaries; if the three subbasins are not consolidated, implementation plans will be repeated in each GSP.

10.1 Estimate of GSP Implementation Costs

Based on selected projects, a high-level estimate of GSP implementation costs will be developed. The GSA, with input from the SAF, will prepare a plan to fund these projects, both capital and operations and maintenance costs.



10.2 Schedule for Implementation

A long-term schedule for implementation of projects, suggested monitoring improvements, and other management actions will be detailed. A timeline will be prepared to highlight critical deadlines for groundwater sustainability.

10.3 Annual Reporting

This task will provide an outline of future Annual Reports, including graphics for portrayal of monitoring data and description of the progress toward sustainability. This will build on the existing Annual Groundwater Reports, which have SBCWD-specific requirements for content and for scheduling. It is anticipated that the SBCWD and SGMA annual reporting will be melded. For example, the presentation of Annual Reports to the Board of Directors is slated for the second Monday in January, while the annual SGMA reports are due to DWR by April 1 of each year following the adoption of the GSP. These schedules can be combined.

Current Annual Groundwater Reports already include general information about the basin, groundwater elevation data and hydrographs, groundwater extractions, surface water supplies used, total water use by source and sector, change in groundwater storage, and relevant graphics showing changes and trends.

These current Annual Groundwater Reports must be updated to incorporate the entire basin boundary including areas that currently do not have groundwater use estimates. In addition, the SGMA Reports will include a description of progress towards implementing the GSP, including achieving interim milestones, and implementation of projects or management actions since the previous annual report. Preparation of a single GSP and Annual Report is preferred; however, if the three subbasins are not consolidated, SBCWD will submit multiple SGMA Annual Reports as required.

Task 10 Deliverables

- Annual GSP Report Outline

Task 11 Develop Monitoring Networks and Protocols

This task will establish the GSP monitoring network and protocols that will: 1) provide data to the hydrogeologic conceptual model and water budget and future model updates, 2) provide tracking and early warning regarding groundwater conditions and undesirable results, and 3) demonstrate progress toward and achievement of sustainability. Consistent with monitoring BMPs, the monitoring network will collect data of sufficient quality, distribution, and frequency to characterize groundwater and related surface water conditions and to track changes, including short-term, seasonal, and long-term trends.

The overall approach will involve development of a comprehensive monitoring program that can be subdivided by subbasin if required for evaluation.



11.1 Evaluate Existing Networks

This task will build on existing monitoring programs; SBCWD currently has networks for monitoring groundwater levels, water quality, surface water, and water use (for the Zone 6 portion of the GSP area).

Guided by the Data Quality Objective (DQO) process described in the Monitoring Network BMP, the network will be designed to fulfill explicitly stated sustainability goals and objectives, with identification of the data and analytical methods to evaluate sustainability indicators, definition of performance criteria, and development of a plan for obtaining data. Implementation of the monitoring network will be described in terms of objectives, specifically how the network will demonstrate progress toward achieving the measurable objectives, monitor impacts to beneficial uses or users of groundwater, monitor changes in groundwater conditions, and quantify annual changes in water budget components

11.2 Describe Monitoring Network

The monitoring network will be described in terms of its coverage of the relevant sustainability indicators, including the following:

- Density of monitoring sites and frequency of measurements to demonstrate short-term, seasonal, and long-term trends
- Scientific rationale for site selection
- Consistency with data and reporting standards
- Corresponding sustainability indicator, minimum threshold, measurable objective, and interim milestone
- Location and type of each site on a map.

If management areas are used, this description of the monitoring network will provide detail appropriate for each management area. The monitoring network also will be developed to support consistency of data across basin boundaries both spatially and temporally.

11.3 Document Monitoring Protocols

This subtask will define the technical standards, data collection methods, and other procedures or protocols to ensure reliable and comparable data and methodologies, consistent with **Reg. § 352.2 and 352.4** and the Monitoring BMPs. The documentation will include a description of technical standards, data collection methods, and other procedures or protocols to ensure comparable data and methodologies.

11.4 Assessment and Improvement of Monitoring Network

This subtask will identify data gaps through the process above and consideration of the hydrogeologic conceptual model, water balance, modeling, and sustainability indicators. These data gaps may include augmented surface water data collection, subsidence, and other data needs. Resolution of data gaps will be addressed in the GSP Implementation Plan. Update of the GSP every five years will include evaluation of the monitoring network (**Reg. § 354.38**).



Task 11 Deliverables

- Administrative Draft and Draft GSP sections for Monitoring Programs

Task 12 Prepare GSP Document

As indicated in the previous tasks, sections of the GSP will be prepared as the project progresses. In addition, comments will be incorporated as the GSP draft is developed. This task involves assembling the document into a coordinated and unified report that clearly describes the data, methods, and analyses. If the subbasins are not consolidated, SBCWD will prepare multiple GSP documents that provide subbasin-specific information as required.

12.1 Assemble Draft GSP Sections into GSP document

The draft GSP sections will be compiled and assimilated into a comprehensive GSP. The Draft GSP will be presented at one of the last technical workshops, involving the GSA, SAF, and stakeholders. Comments will be received at the workshop, as well as written comments submitted following the workshop. For costing purposes, electronic submittals are assumed throughout this process.

12.2 Prepare Final GSP

GSA and stakeholder comments will be incorporated into the Final GSP. The document will be printed for final review by the SBCWD and SCVWD GSAs (15 copies are assumed) and presented at a public hearing, coincident with an SBCWD Regular or Special Board Meeting.

12.3 Prepare Files for DWR Submittal

The format for filing the supporting information for the GSP is unknown. The GSP document, DMS, supporting documents, and appendices will be prepared for upload to DWR as needed.

Task 12 Deliverables

- Electronic version (.pdf format) of the Draft and Final GSP
- 15 Printed copies of the Final GSP
- Appendices and DMS for DWR submittal



Task 13 Project Management and Communications

This task provides for a Project Management Plan that tracks schedule and budget on a monthly basis and provides regular updates to the SBCWD and the Advisory Forum. If required, progress reporting will distinguish subbasins.

13.1 Manage Project

The Project Management Plan will cover an approximate 3.5-year period and will require coordination between the consultant team, GSA personnel, and DWR for appropriate grant administration. Monthly invoices will document the hours and cost by team members, and show progress on Project tasks. A brief progress report will be prepared for each invoice showing progress made during the month, next steps for the following billing cycle, and status of schedule and budget. Invoicing and progress reporting will be consistent with the requirements of the DWR Grant Agreements and will ensure adherence to those details.

13.2 Conduct Progress Conference calls

The project team will conduct bi-weekly to monthly progress conference calls to coordinate tasks and share information and data. Work progress will be effectively tracked and obstacles will be identified at the earliest possible time. For calls to be productive and cost effective, not all team members will be present on all calls. Progress calls will be focused on current analyses and include those involved in related tasks.

13.3 Prepare Quarterly Progress Reports for DWR

This task will support the Project with quarterly progress reports to DWR. The GSA has a good track record with DWR grant-funded projects and is familiar with DWR progress report formats and content. The reporting process will be integrated into the Project Management Plan so that monthly information is incorporated into the quarterly formats as the project progresses.

Task 13 Deliverables

- Monthly progress reports including combined invoices and updates on budget and schedule
- Brief notes and action items from Progress Conference Calls
- Quarterly Progress Reports for DWR as part of the grant administration.



ATTACHMENT 5

Budget

Budget. A summary of the budget for the entire Proposal is presented below, along with estimated costs for each task as described in the Work Plan (Attachment 4).



Budget Description

The San Benito County Water District GSA (SBCWD GSA) is requesting SGWP Category 2 grant funding amounting to \$830,336 and a 50% cost share reduction for GSP preparation, given the need of local DACs, SDAC, and EDAs. This grant amount will assist SBCWD GSA in GSP preparation for the Bolsa, Hollister, and San Juan Bautista subbasins; this budget assumes concurrent and coordinated preparation of three GSPs.

As described in the Project Justification and in the Work Plan, SBCWD already has invested in multiple contracts to support a transition from its ongoing management to SGMA. These efforts are described in the Work Plan's Task 0, Preparation for SGMA Compliance, and the costs are described below, in terms of summary description, start and completion, and basis for cost. These costs also are summarized in Table 1.

As described in the Work Plan, GSP preparation involves Tasks 1 through 13; costs are summarized by subtask in Table 1. Table 2 (Table 4 in the PSP) shows the budget by task with the Requested Grant Amount (column a) of \$830,336, Local Cost Share from Non-State Funding Sources (column b) of \$495,430 and Other Cost Share (column c) of \$35,000. The Local Cost Share from non-state funding sources (column b) includes Task 0, which is funded by SBCWD. Table 3 summarizes the budget, cost share, and tabulated the percent from the project. The local cost share is calculated to be 31 percent of the project, consistent with the required cost share if the cost share reduction is granted due to the DACs, EDAs, and SDACs in the basin.

Preparation for SGMA Compliance (Task 0)

The total amount for Task 0 is \$354,130 and includes the following subtasks described below. The costs for Task 0 are included for the 50% Local Cost Share (before the requested cost share reduction); only eligible costs incurred after January 1, 2015 are considered.

0.1 Groundwater Monitoring, Planning, Reporting 2015 (100% complete)

This task is preparation of the 2015 Annual Report (October-December 2015), framed in terms of Pursuing Sustainability and providing information on SGMA. Costs are derived from the consultant (Todd Groundwater) and include 246 hours at an average of \$180 per hour. No expenses are included. The total cost is \$44,230.

0.2 Northern San Benito County Groundwater Model Update, Enhancement, and Application (100% complete)

This task (March – June 2015) involved update and enhancement of the groundwater model and simulation of the effects of Pacheco Reservoir reoperation on downstream groundwater levels. Costs are derived from the consultant (Todd Groundwater) and include 352 hours at an average of \$156 per hour, amounting to \$54,940. This task's total cost is \$54,940.

0.3 Zone 3 Operations Planning Tool

This task (January 2017 – March 2017) is development of a worksheet Planning Tool to create annual operations plans for Hernandez and Paicines Reservoirs and for re-diversion of Hernandez Reservoir releases to Paicines Reservoir at the San Benito River Diversion. Costs are derived from the consultant (Micko Consultants) and include 292.6 hours at \$100 per hour, amounting to a total cost of \$29,260.

0.4 Planning toward a GSP (100% complete)

This task (June – November 2016) was planning toward a GSP preparation including examination of GSP Regulations, exploration of funding sources, a working session with staff, and a public presentation. Costs are from the consultant (Todd Groundwater) and include 40 hours at an average of \$210 per hour, amounting to \$8,400. This task's total cost is \$8,400.

0.5 Groundwater Monitoring, Planning, Reporting 2016 (100% complete)

This task (October 1 - December 2016) was preparation of the 2016 Annual Report, framed in terms of *Planning a Sustainable Future*, and including documentation of groundwater conditions and water supply/demand and an update on SGMA. Costs are based on consultant time (Todd Groundwater) and include 267 hours at an average of \$172 per hour. This task's total cost is \$45,805.

0.6 GSA Formation (100% complete)

This task (November 2016 – June 2017) was formation of the SBCWD GSA, including development of required submittals, a SBCWD Board of Directors resolution, public noticing and a presentation, and collaboration with



Santa Clara Valley Water District. Costs for GSA Formation support are derived from the consultant (Todd Groundwater) and include 40 hours at an average of \$210 per hour, amounting to \$8,400. In addition, costs for a presentation to the County Board of Supervisors include 12 hours at an average rate of \$220 per hour, amounting to \$3,040. This task's total cost is \$11,440.

0.7 Application for Grant Funding (100% complete)

This task (August 2017 – November 2017) provides development of an application to secure a SGWP grant, including development of a work plan, budget, and schedule for a GSP. Costs are from the consultant (Todd Groundwater) and include 42 hours at an average of \$206 per hour. This task's total cost is \$8,660.

0.8 Request for Basin Consolidation (20% complete)

This task (June 2017 – March 2018) involves a request for a Basin Boundary Modification (i.e., consolidation of the three subbasins). It includes development of the Board of Directors resolution and needed documents, maps, and explanations. Costs are derived from the consultant (Todd Groundwater) and include 23 hours at an average rate of \$204 per hour. This task's total cost is \$4,700.

0.9 Groundwater Monitoring, Planning, Reporting 2017 (0% complete as of October 1, 2017)

This task (October – December 2017) is the preparation of the 2017 Annual Report, which focuses on the water budget and includes planning for SGMA. Costs are based on the consultant (Todd Groundwater) and include 274 hours at an average of \$183 per hour. No expenses are included. This task's total cost is \$50,205.

0.10 Groundwater Monitoring, Planning, Reporting 2018 (0% complete)

This task (October – December 2018) is the preparation of the 2018 Annual Report, which will discuss the strategy for completing a GSP. Costs are from the consultant (Todd Groundwater) and include 254 hours at an average of \$185 per hour. This task's total cost is \$46,905.

0.11 Groundwater Monitoring, Planning, Reporting 2019 (0% complete)

This task (October – December 2019) is the preparation of the 2019 Annual Report. It includes an update of the water quality database, among other sections. Costs are from the consultant (Todd Groundwater) and include 273 hours at an average of \$182 per hour. This task's total cost is \$49,585.

Preparation of the GSP (Tasks 1-13)

Hours and Rates by Task

Table 1 shows the estimated hours and total costs for each task and subtask in the Work Plan. All costs associated with SBCWD staff are estimated as part of the project cost share. For planning purposes, Todd Groundwater is anticipated to be the lead consultant on the project, with Kronick Moskovitz Tiedemann & Girard (KMTG) providing expert legal assistance for analysis of funding mechanisms and Data Instincts providing stakeholder outreach. Inclusion of the expertise of KMTG for Task 3.2 *Evaluate Funding for GSP Implementation* and Data Instincts for Task 1 *Outreach and Stakeholder Engagement* reflects the critical importance of these two tasks.

Costs were estimated based on the projected number of hours per person per subtask. For Todd Groundwater, the staff rates ranged from \$110 to \$245 per hour. Over the course of the project, the average rate for Todd Groundwater is \$210 per hour. KMTG billing rates are assumed to be \$350 per hour and Data Instincts rates are estimated at an associate level of \$165. District staff time is estimated at an average rate of \$150.

Cost Share

Grant funding is requested only to reimburse consultant time in the preparation of the GSP. All projects that have been completed or are underway (Task 0) are part of SBCWD's local cost share. In addition, SBCWD staff time toward the preparation of the GSP is accounted as cost share. Another source of cost share is the financial support from SCVWD. SCVWD is a Local Project Sponsor and has agreed as part of the July 5, 2017 Memorandum of Agreement to reimburse SBCWD for consultant costs up to a maximum contribution of \$35,000.

Table 2 shows the break down by task for the requested amount and cost share amount. The total project cost (including all cost share projects) is \$1,390,766. SBCWD plans to contribute \$495,430 in time and materials and SCVWD will fund \$35,000. The San Benito County Water District GSA (SBCWD GSA) is requesting SGWP Category 2 grant funding amounting to \$830,336 for Groundwater Sustainability Plan (GSP) preparation.

Table 1 – Budget by Work Plan Subtask

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

TASK ACTIVITIES	Hours			Total Costs			
	Todd Groundwater	Other Consultants	SBCWD Staff	Todd Groundwater	Other Consultants	SBCWD Staff	TOTAL
Task 0 Cost Share Projects							
0.1 Annual Report 2015				\$ 44,230	\$ -	\$ -	\$ 44,230
0.2 Groundwater Model Update and Enhancement				\$ 54,940	\$ -	\$ -	\$ 54,940
0.3 Zone 3 Planning Tool				\$ -	\$ 29,260	\$ -	\$ 29,260
0.4 SGMA Planning				\$ 8,400	\$ -	\$ -	\$ 8,400
0.5 Annual Report 2016				\$ 45,805	\$ -	\$ -	\$ 45,805
0.6 GSA Formation				\$ 11,440	\$ -	\$ -	\$ 11,440
0.7 Grant Application				\$ 8,660	\$ -	\$ -	\$ 8,660
0.8 Basin Consolidation Request				\$ 4,700	\$ -	\$ -	\$ 4,700
0.9 Annual Report 2017				\$ 50,205	\$ -	\$ -	\$ 50,205
0.10 Annual Report 2018				\$ 46,905	\$ -	\$ -	\$ 46,905
0.11 Annual Report 2019				\$ 49,585	\$ -	\$ -	\$ 49,585
Task 0 Total				\$ 324,870	\$ 29,260	\$ -	\$ 354,130
Task 1 Outreach and Stakeholder Engagement	0	-	-	\$ -	\$ -	\$ -	\$ -
1.1 Initiate Communication Plan	11	121	20	\$ 2,482	\$ 20,000	\$ 3,000	\$ 25,482
1.2 Identify and Notify Stakeholders	36	91	80	\$ 6,664	\$ 15,000	\$ 12,000	\$ 33,664
1.3 SAF Meetings (14)	126	91	150	\$ 28,778	\$ 15,000	\$ 22,500	\$ 66,278
1.4 Public Workshops (6)	221	182	200	\$ 47,621	\$ 30,000	\$ 30,000	\$ 107,621
Task 1 Total	394	485	450	\$ 85,544	\$ 80,000	\$ 67,500	\$ 233,044
Task 2 Compile and Review Data; Extend and Update DMS	0	-	-	\$ -	\$ -	\$ -	\$ -
2.1 Data Types and Sources	61	-	10	\$ 10,718	\$ -	\$ 1,500	\$ 12,218
2.2 Study Periods	38	-	-	\$ 7,031	\$ -	\$ -	\$ 7,031
2.3 Technical and Reporting Standards	71	-	-	\$ 13,166	\$ -	\$ -	\$ 13,166
2.4 Data Management System	83	-	10	\$ 14,606	\$ -	\$ 1,500	\$ 16,106
Task 2 Total	253	-	20	\$ 45,521	\$ -	\$ 3,000	\$ 48,521

Table 1 – Budget by Work Plan Subtask

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

TASK ACTIVITIES	Hours			Total Costs			
	Todd Groundwater	Other Consultants	SBCWD Staff	Todd Groundwater	Other Consultants	SBCWD Staff	TOTAL
Task 3 Describe GSA and Plan Area	0	-	-	\$ -	\$ -	\$ -	\$ -
3.1 Present GSA Information	13	-	5	\$ 2,237	\$ -	\$ 750	\$ 2,987
3.2 Evaluate Funding for GSP Implementation	23	170	60	\$ 5,093	\$ 59,500	\$ 9,000	\$ 73,593
3.3 Describe Plan Area and Institutional Setting	28	-	5	\$ 5,731	\$ -	\$ 750	\$ 6,481
3.4 Describe Current Monitoring Programs	38	-	10	\$ 8,051	\$ -	\$ 1,500	\$ 9,551
3.5 Describe Water Resources Management Programs	48	-	10	\$ 10,219	\$ -	\$ 1,500	\$ 11,719
3.6 Describe Land Use Planning	38	-	5	\$ 8,536	\$ -	\$ 750	\$ 9,286
3.7 Incorporate Additional GSP Elements	16	-	5	\$ 3,731	\$ -	\$ 750	\$ 4,481
3.8 Summarize Notice and Communication	11	-	10	\$ 2,482	\$ -	\$ 1,500	\$ 3,982
Task 3 Total	215	170	110	\$ 46,078	\$ 59,500	\$ 16,500	\$ 122,078
Task 4 Describe Hydrogeologic Conceptual Model and Groundwater Conditions	0	-	-	\$ -	\$ -	\$ -	\$ -
4.1 Hydrogeological Conceptual Model	136	-	5	\$ 26,938	\$ -	\$ 750	\$ 27,688
4.2 Groundwater Conditions	101	-	10	\$ 19,007	\$ -	\$ 1,500	\$ 20,507
Task 4 Total	237	-	15	\$ 45,945	\$ -	\$ 2,250	\$ 48,195
Task 5 Identify Management Areas	96	-	5	\$ 19,417	\$ -	\$ 750	\$ 20,167
Task 5 Total	96	-	5	\$ 19,417	\$ -	\$ 750	\$ 20,167
Task 6 Quantify the Water Budget	0	-	-	\$ -	\$ -	\$ -	\$ -
6.1 Water Balance Information	72	-	10	\$ 14,269	\$ -	\$ 1,500	\$ 15,769
6.2 Water Balance Description	97	-	10	\$ 20,159	\$ -	\$ 1,500	\$ 21,659
6.3 Quantification of the Water Balance	127	-	10	\$ 27,044	\$ -	\$ 1,500	\$ 28,544
6.4 Identify and Fill Data Gaps	58	-	10	\$ 11,215	\$ -	\$ 1,500	\$ 12,715
Task 6 Total	354	-	40	\$ 72,686	\$ -	\$ 6,000	\$ 78,686
Task 7 Update and Extend Existing Groundwater Model	0	-	-	\$ -	\$ -	\$ -	\$ -
7.1 Update Existing Model	141	-	10	\$ 32,087	\$ -	\$ 1,500	\$ 33,587
7.2 Model Scenarios	141	-	10	\$ 32,087	\$ -	\$ 1,500	\$ 33,587
Task 7 Total	282	-	20	\$ 64,174	\$ -	\$ 3,000	\$ 67,174

Table 1 – Budget by Work Plan Subtask

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

TASK ACTIVITIES	Hours			Total Costs			
	Todd Groundwater	Other Consultants	SBCWD Staff	Todd Groundwater	Other Consultants	SBCWD Staff	TOTAL
Task 8 Define Sustainability Criteria	0	-	-	\$ -	\$ -	\$ -	\$ -
8.1 Sustainability Goal	21	-	10	\$ 4,012	\$ -	\$ 150	\$ 4,162
8.2 Undesirable Results	95	-	10	\$ 20,888	\$ -	\$ 150	\$ 21,038
8.3 Minimum Thresholds	89	-	10	\$ 19,175	\$ -	\$ 150	\$ 19,325
8.4 Define Measurable Objectives	109	-	10	\$ 24,623	\$ -	\$ 150	\$ 24,773
Task 8 Total	314	-	40	\$ 68,698	\$ -	\$ 600	\$ 69,298
Task 9 Describe Management Actions and Projects	0	-	-	\$ -	\$ -	\$ -	\$ -
9.1 Identify Management Actions and Projects	66	-	10	\$ 14,467	\$ -	\$ 1,500	\$ 15,967
9.2 Evaluate Management Actions and Projects	66	-	10	\$ 14,467	\$ -	\$ 1,500	\$ 15,967
9.3 Assess Technical Feasibility/Engineering of Preferred Projects	66	-	10	\$ 14,467	\$ -	\$ 1,500	\$ 15,967
9.4 Develop Implementation Plans for Selected Projects	66	-	10	\$ 14,467	\$ -	\$ 1,500	\$ 15,967
Task 9 Total	264	-	40	\$ 57,866	\$ -	\$ 6,000	\$ 63,866
Task 10 Plan for GSP Implementation	0	-	-	\$ -	\$ -	\$ -	\$ -
10.1 Estimate of GSP Implementation Costs	91	-	10	\$ 20,816	\$ -	\$ 1,500	\$ 22,316
10.2 Schedule for Implementation	41	-	10	\$ 8,670	\$ -	\$ -	\$ 8,670
10.3 Annual Reporting	104	-	10	\$ 21,241	\$ -	\$ 1,500	\$ 22,741
Task 10 Total	236	-	30	\$ 50,727	\$ -	\$ 3,000	\$ 53,727
Task 11 Develop Monitoring Networks and Protocols	0	-	-	\$ -	\$ -	\$ -	\$ -
11.1 Evaluate Existing Networks	82	-	10	\$ 16,513	\$ -	\$ 1,500	\$ 18,013
11.2 Describe Monitoring Network	38	-	10	\$ 7,826	\$ -	\$ 1,500	\$ 9,326
11.3 Document Monitoring Protocols	36	-	10	\$ 7,327	\$ -	\$ 1,500	\$ 8,827
11.4 Assessment and Improvement of Monitoring Network	56	-	10	\$ 11,183	\$ -	\$ 1,500	\$ 12,683
Task 11 Total	212	-	40	\$ 42,849	\$ -	\$ 6,000	\$ 48,849

Table 1 – Budget by Work Plan Subtask

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

TASK ACTIVITIES	Hours			Total Costs			
	Todd Groundwater	Other Consultants	SBCWD Staff	Todd Groundwater	Other Consultants	SBCWD Staff	TOTAL
Task 12 Prepare GSP Document	0	-	-	\$ -	\$ -	\$ -	\$ -
12.1 Assemble Draft GSP Sections into GSP document	211	-	20	\$ 40,409	\$ -	\$ 3,000	\$ 43,409
12.2 Prepare Final GSP	166	-	20	\$ 31,331	\$ -	\$ 3,000	\$ 34,331
12.3 Prepare Files for DWR Submittal	34	-	5	\$ 6,323	\$ -	\$ 750	\$ 7,073
Task 12 Total	411	-	45	\$ 78,063	\$ -	\$ 6,750	\$ 84,813
Task 13 Project Management and Communications	0	-	-	\$ -	\$ -	\$ -	\$ -
13.1 Manage Project	71	-	112	\$ 17,093	\$ -	\$ 16,800	\$ 33,893
13.2 Conduct Progress Conference calls	71	-	7	\$ 17,093	\$ -	\$ 1,050	\$ 18,143
13.3 Prepare Quarterly Progress Reports for DWR	61	-	14	\$ 14,084	\$ -	\$ 2,100	\$ 16,184
Task 13 Total	203	-	133	\$ 48,270	\$ -	\$ 19,950	\$ 68,220
GRAND TOTAL (Tasks 1-13)	3,471	655	988	\$ 725,836	\$ 139,500	\$ 141,300	\$ 1,006,636
Entire Project (Tasks 0-13)	3,471	655	988	\$ 1,050,706	\$ 168,760	\$ 141,300	\$ 1,360,766

Table 2 – Project Budget

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater

Subbasins _____

Project Title: GSP Preparation _____ Project serves a need of a DAC?: Yes

Cost Share Waiver request?: Yes, Reduction requested

Tasks ¹		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non- State Fund Source ²	Other Cost Share	Total Cost
(a)	Task 0 Cost Share Projects		\$ 354,130	\$ -	\$ 354,130
(b)	Task 1 Outreach and Stakeholder Engagement	\$ 165,544	\$ 67,500		\$ 233,044
(c)	Task 2 Compile and Review Data; Extend and Update DMS	\$ 45,521	\$ 3,000		\$ 48,521
(d)	Task 3 Describe GSA and Plan Area	\$ 105,578	\$ 16,500		\$ 122,078
(e)	Task 4 Describe Hydrogeologic Conceptual Model and Groundwater Conditions	\$ 45,945	\$ 2,250		\$ 48,195
(f)	Task 5 Identify Management Areas	\$ 19,417	\$ 750		\$ 20,167
(g)	Task 6 Quantify the Water Budget	\$ 72,686	\$ 6,000		\$ 78,686
(h)	Task 7 Update and Extend Existing Groundwater Model	\$ 64,174	\$ 3,000		\$ 67,174
(i)	Task 8 Define Sustainability Criteria	\$ 68,698	\$ 600		\$ 69,298
(j)	Task 9 Describe Management Actions and Projects	\$ 57,866	\$ 6,000		\$ 63,866
(k)	Task 10 Plan for GSP Implementation	\$ 50,727	\$ 3,000		\$ 53,727
(l)	Task 11 Develop Monitoring Networks and Protocols	\$ 42,849	\$ 6,000		\$ 48,849
(m)	Task 12 Prepare GSP Document	\$ 43,063	\$ 6,750	\$ 35,000	\$ 84,813
(n)	Task 13 Project Management and Communications	\$ 48,270	\$ 19,950		\$ 68,220
(o)	Grand Total (Sum rows (a) through (n) for each column)	\$ 830,336	\$ 495,430	\$ 35,000	\$ 1,360,766

SBCWD cost share represents projects already underway (task 0) or future staff and legal time to support the GSP (tasks 1-13)

Other sources include \$35,000 from SCVWD to cover the portion of the subbasins that extend into Santa Clara County, per the MOU between SBCWD and SCVWD.

Table 3 – Proposal Budget

Proposal Title: Sustainable Groundwater Planning Grant for GSP Preparation: Bolsa, Hollister, and San Juan Bautista Groundwater Subbasins

Individual Project Title ¹		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source ²	Other Cost Share	Total Cost	% Cost Share (Col b/Col d)
(a)	Project 1	\$ 830,336	\$ 495,430	\$ 35,000	\$ 1,360,766	36%
(e)	Proposal Total	\$ 830,336	\$ 495,430	\$ 35,000	\$ 1,360,766	36%

¹ Requesting a cost share reduction



ATTACHMENT 6

Schedule

Project Schedule. This attachment includes a project schedule for each Work Plan task in the Proposal (Attachment 4).

Proposal Schedule. This attachment includes a schedule that briefly summarizes the Proposal's overall schedule.



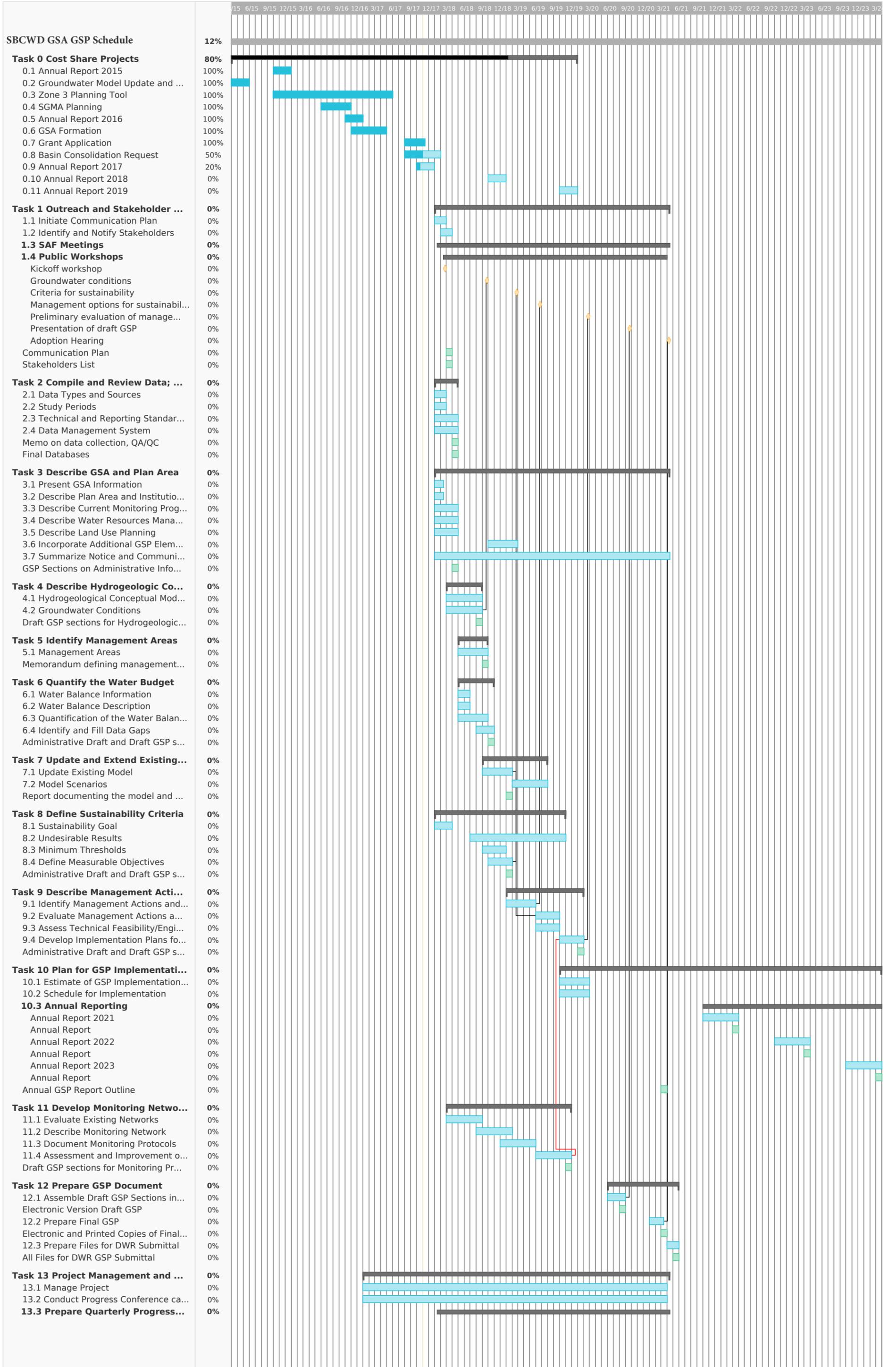
Category 2 Schedule

Project Schedule

For GSP preparation for the medium-priority Bolsa, Hollister, and San Juan Bautista subbasins, thirteen (13) tasks will be conducted as described in Attachment 4, Work Plan. This proposal is for Category 2 GSP preparation, and completion dates presented in the project schedule will meet the GSP timeline of January 31, 2022 for GSP completion, adoption and submittal. The Work Plan, Budget and Schedule are designed for coordinated and concurrent preparation of three GSPs.

Proposal Schedule

The overall proposal schedule entirely encompasses the project schedule. Work relating to the planning, development, and preparation of the coordinated and concurrent GSPs will begin January 2018 and will be complete in May 2021, resulting in an approximate 40-month duration with an anticipated final GSP submittal to DWR on June 1, 2021.



Name/Title	Start Date	End Date	Milestone	Milestone Type	Percent Complete	Predecessors
Task 0 Cost Share Projects	1/1/2018	4/15/2021				
0.1 Annual Report 2015	10/1/2015	12/31/2015			100	
0.2 Groundwater Model Update and Enhancement	3/1/2015	6/1/2015			100	
0.3 Zone 3 Planning Tool	9/30/2015	6/1/2017			100	
0.5 SGMA Planning	6/1/2016	11/1/2016			100	
0.4 Annual Report 2016	10/1/2016	12/31/2016			100	
0.6 GSA Formation	6/1/2016	11/1/2016			100	
0.7 Grant Application	8/1/2017	11/13/2017			100	
0.8 Basin Consolidation Request	8/1/2017	2/1/2018			50	
0.9 Annual Report 2017	10/1/2017	12/31/2017	12/31/2017	Annual Report	20	
0.10 Annual Report 2018	10/1/2018	12/31/2018	12/31/2018	Annual Report	0	
0.11 Annual Report 2019	10/1/2019	12/31/2019	12/31/2019	Annual Report	0	
Task 1 Outreach and Stakeholder Engagement	1/1/2018	4/15/2021				
1.1 Initiate Communication Plan	1/1/2018	3/1/2018			0	
1.2 Identify and Notify Stakeholders	2/1/2018	4/1/2018			0	
1.3 SAF Meetings	1/15/2018	4/15/2021			0	
Q1 2018			1/15/2018	Meeting	0	
Q2 2018			4/15/2018	Meeting	0	
Q3 2018			7/15/2018	Meeting	0	
Q4 2018			10/15/2018	Meeting	0	
Q1 2019			1/15/2019	Meeting	0	
Q2 2019			4/15/2019	Meeting	0	
Q3 2019			7/15/2019	Meeting	0	
Q4 2019			10/15/2019	Meeting	0	
Q1 2020			1/15/2020	Meeting	0	
Q2 2020			4/15/2020	Meeting	0	
Q3 2020			7/15/2020	Meeting	0	
Q4 2020			10/15/2020	Meeting	0	
Q1 2021			1/15/2021	Meeting	0	
Q2 2021			4/15/2021	Meeting	0	
1.4 Public Workshops	2/15/2018	4/1/2021			0	
Kickoff workshop			2/15/2018	Workshop	0	
Groundwater conditions			9/15/2018	Workshop	0	5.2
Criteria for sustainability			2/15/2019	Workshop	0	9.4
Management options for sustainability			6/15/2019	Workshop	0	10.2
Preliminary evaluation of management actions			2/15/2020	Workshop	0	10.4
Presentation of draft GSP			9/15/2020	Workshop	0	13.1
Adoption Hearing			4/1/2021	Workshop	0	13.2

Name/Title	Start Date	End Date	Milestone	Milestone Type	Percent Complete	Predecessors
Task 2 Compile and Review Data; Extend and Update DMS	1/1/2018	5/1/2018				
2.1 Data Types and Sources	1/1/2018	3/1/2018			0	
2.2 Study Periods	1/1/2018	3/1/2018			0	
2.3 Technical and Reporting Standards	1/1/2018	5/1/2018			0	
2.4 Data Management System	1/1/2018	5/1/2018			0	
Description of sources, types, management, and QA/QC of data to support the GSP			5/1/2018	Memo	0	
Final DMS. Electronic copies of the three relational databases			5/1/2018	Databse	0	
Task 3 Describe GSA and Plan Area	1/1/2018	4/15/2021				
3.1 Present GSA Information	1/1/2018	2/15/2018			0	
3.2 Describe Plan Area and Institutional Setting	1/1/2018	2/15/2018			0	
3.3 Describe Current Monitoring Programs	1/1/2018	5/1/2018			0	
3.4 Describe Water Resources Management Programs	1/1/2018	5/1/2018			0	
3.5 Describe Land Use Planning	1/1/2018	5/1/2018			0	
3.6 Incorporate Additional GSP Elements	10/1/2018	3/1/2019			0	
3.7 Summarize Notice and Communication	1/1/2018	4/15/2021			0	
Draft GSP sections for Administrative Information and Plan Area Description			3/1/2019	GSP Draft Sections	0	
Task 4 Describe Hydrogeologic Conceptual Model and Groundwater Conditions	3/1/2018	9/1/2018				
4.1 Hydrogeological Conceptual Model	3/1/2018	9/1/2018			0	
4.2 Groundwater Conditions	3/1/2018	9/1/2018			0	
Draft GSP sections for Hydrogeologic Conceptual Model and Groundwater Conditions			9/1/2018	GSP Draft Sections	0	
Task 5 Identify Management Areas	5/1/2018	10/1/2018				
5.1 Management Areas	5/1/2018	10/1/2018			0	
Memorandum defining management areas, including map of Management Areas			10/1/2018	Memo	0	

Name/Title	Start Date	End Date	Milestone	Milestone Type	Percent Complete	Predecessors
Task 6 Quantify the Water Budget	5/1/2018	11/1/2018				
6.1 Water Balance Information	5/1/2018	7/1/2018			0	
6.2 Water Balance Description	5/1/2018	7/1/2018			0	
6.3 Quantification of the Water Balance	5/1/2018	10/1/2018			0	
6.4 Identify and Fill Data Gaps	8/1/2018	11/1/2018			0	
Draft GSP sections for Water Budget			11/1/2018	GSP Draft Sections	0	
Task 7 Update and Extend Existing Groundwater Model	9/1/2018	8/1/2019				
7.1 Update Existing Model	9/1/2018	2/1/2019			0	
7.2 Model Scenarios	2/1/2019	8/1/2019			0	
Model Report			8/1/2019	Memo	0	
Task 8 Define Sustainability Criteria	1/1/2018	11/1/2019				
8.1 Sustainability Goal	1/1/2018	4/1/2018			0	
8.2 Undesirable Results	7/1/2018	11/1/2019			0	
8.3 Minimum Thresholds	9/1/2018	1/1/2019			0	
8.4 Define Measurable Objectives	10/1/2018	2/1/2019			0	
Draft GSP sections on Sustainability Criteria			2/1/2019	GSP Draft Sections	0	
Task 9 Describe Management Actions and Projects	1/1/2019	2/1/2020				
9.1 Identify Management Actions and Projects	1/1/2019	6/1/2019			0	4.6
9.2 Evaluate Management Actions and Projects	6/1/2019	10/1/2019			0	8.2
9.3 Assess Technical Feasibility/Engineering of Preferred Projects	6/1/2019	10/1/2019			0	
9.4 Develop Implementation Plans for Selected Projects	10/1/2019	2/1/2020			0	
Administrative Draft and Draft GSP sections for Management Actions and Projects			2/1/2020	GSP Draft Sections	0	
Appendix with preliminary designs for preferred portfolio of actions and projects			2/1/2020	Memo	0	
Task 10 Plan for GSP Implementation	10/1/2019	4/1/2024				
10.1 Estimate of GSP Implementation Costs	10/1/2019	3/1/2020			0	
10.2 Schedule for Implementation	10/1/2019	3/1/2020			0	
10.3 Annual Reporting	10/1/2021	4/1/2024			0	
Annual Report 2021	10/1/2021	4/1/2022			0	
Annual Report 2022	10/1/2022	4/1/2023			0	
Annual Report 2023	10/1/2023	4/1/2024			0	
Annual GSP Report Outline			3/1/2020	Memo	0	

Name/Title	Start Date	End Date	Milestone	Milestone Type	Percent Complete	Predecessors
Task 11 Develop Monitoring Networks and Protocols	3/1/2018	12/1/2019				
11.1 Evaluate Existing Networks	3/1/2018	9/1/2018			0	
11.2 Describe Monitoring Network	8/1/2018	2/1/2019			0	
11.3 Document Monitoring Protocols	12/1/2018	6/1/2019			0	
11.4 Assessment and Improvement of Monitoring Network	6/1/2019	12/1/2019			0	10.4
Draft GSP sections for Monitoring Programs			12/1/2019	GSP Draft Sections	0	
Task 12 Prepare GSP Document	6/1/2020	6/1/2021				
12.1 Assemble Draft GSP Sections into GSP document	6/1/2020	9/1/2020			0	
12.2 Prepare Final GSP	1/1/2021	4/1/2021			0	
12.3 Prepare Files for DWR Submittal	4/1/2021	6/1/2021			0	
Electronic version (.pdf format) of the Draft and Final GSP			9/1/2020	GSP Draft	0	
15 Printed copies of the Final GSP			4/1/2021	Printed Reports	0	
Appendices and DMS for DWR submittal			6/1/2021	Database	0	
Task 13 Project Management and Communications	1/1/2018	4/15/2021				
13.1 Manage Project	1/1/2018	4/1/2021			0	
13.2 Conduct Progress Conference calls	1/1/2018	4/1/2021			0	
13.3 Prepare Quarterly Progress Reports for DWR	1/15/2018	4/15/2021			0	
Q1 2018			1/15/2018	Progress Report	0	
Q2 2018			4/15/2018	Progress Report	0	
Q3 2018			7/15/2018	Progress Report	0	
Q4 2018			10/15/2018	Progress Report	0	
Q1 2019			1/15/2019	Progress Report	0	
Q2 2019			4/15/2019	Progress Report	0	
Q3 2019			7/15/2019	Progress Report	0	
Q4 2019			10/15/2019	Progress Report	0	
Q1 2020			1/15/2020	Progress Report	0	
Q2 2020			4/15/2020	Progress Report	0	
Q3 2020			7/15/2020	Progress Report	0	
Q4 2020			10/15/2020	Progress Report	0	
Q1 2021			1/15/2021	Progress Report	0	
Q2 2021			4/15/2021	Progress Report	0	



ATTACHMENT 7

Disadvantaged Communities

Determination of DACs in the Subbasin. Disadvantaged communities (DACs) in the Bolsa, Hollister, and San Juan Bautista basins are defined and mapped using the DWR tool.

Description of Project Benefits to DACs. The benefits to local DACs from the proposed projects in the three SBCWD subbasins are described.

Disadvantaged Communities in Bolsa, Hollister, and San Juan Bautista Subbasins

Disadvantaged Communities (DACs) are characterized by an annual median household income (MHI) less than 80% of the California Statewide MHI.¹ For information about EDAs and SDACs within the Bolsa, Hollister, and San Juan Bautista Subbasins, please refer to Attachments 8 and 9, respectively.

The attached figure shows the DACs within the Bolsa, Hollister, and San Juan Bautista subbasins, representing a combination of census place, tract, and block group areas. The map reveals broad disadvantaged areas across the rural San Juan Bautista Subbasin and more clustered disadvantaged areas around the Hollister urban area; all three subbasins are overlapped by DAC areas. Analysis of DACs within the subbasins was performed using the ArcGIS Map Package of the data from the DWR DAC Mapping Tool. Table 1 shows the tabulated areas of DACs within the subbasins.

Table 1. Area of Disadvantaged Communities by Subbasin (Ac)

	Total Area	Area SDAC	Area DAC Tract or Block	Total Area, DAC + SDAC	% DAC and SDAC
BOLSA AREA	32,565	21	2,132	2,153	7%
HOLLISTER AREA	50,993	-	319	319	1%
SAN JUAN BAUTISTA AREA	116,008	251	28,490	28,741	25%
TOTAL PROJECT AREA	199,566	272	30,941	31,213	16%

¹U.S. Census ACS data from 2010 to 2014, provided by DWR. Available at http://www.water.ca.gov/irwm/grants/resources_dac.cfm.

DAC Involvement

DAC outreach and involvement is integral to developing the Groundwater Sustainability Plan (GSP) for the Bolsa, Hollister, and San Juan Bautista subbasins. This recognizes the existence of disadvantaged communities within the service areas of the City of Hollister and Sunnyslope County Water District (see map), which use groundwater in addition to imported water. Moreover, SBCWD recognizes that disadvantaged communities outside the urban area are dependent on groundwater for their potable supplies.

Involvement of DACs in local water resource management issues has been ongoing. DACs have been



engaged through efforts such as the 2014 Salt and Nutrient Management Plan, which included outreach to diverse groups, and through the IRWM planning process, which for example, has supported the Hollister Urban Area Water Project. Among other benefits, this project improves groundwater supply reliability by providing recycled water and water treatment for imported water. It also provides water quality improvement for municipal customers (including disadvantaged community areas) through construction of water treatment facilities for good quality imported water.

Through the GSP development and implementation process, as well as ongoing outreach by the Water Resources Association, SBCWD will identify representatives of local disadvantaged communities and actively encourage their participation in GSP development.

DAC Support

This attachment includes letters of support received from local agencies that represent disadvantaged communities overlying the three subbasins. The City of Hollister, Sunnyslope County Water District, County of San Benito, and San Benito County Farm Bureau have submitted letters of support for the SBCWD GSP Grant Proposal. The City of Hollister and Sunnyslope County District, which provide water supply and wastewater treatment to DACs within City limits, are actively collaborating with SBCWD on the Hollister Urban Area Water Project. The County recognizes the reliance of unincorporated DAC areas on groundwater as a sole source of supply and states its support for groundwater sustainability as fundamental to a balance of the environment, the economy, and social equity. The Farm Bureau recognizes the importance of groundwater as the sole source for rural residences and communities, including DACs.

Proposal Benefits to DACs

The proposal benefit area includes the Bolsa, Hollister, and San Juan Bautista subbasins; therefore, all DACs within the subbasins will benefit from the development and implementation of the GSP. The GSP, developed with the financial assistance of grant funding, will comply with SGMA and support ongoing conjunctive management of water resources. This conjunctive management (of groundwater, imported water, local surface water, and recycled water) has maintained groundwater as a reliable source of supply throughout the three subbasins, including disadvantaged areas. Coordination of GSP and IRWM planning will support improved quality of delivered potable water to municipal customers including DACs. Funding assistance through a SGWP grant will help reduce financial burdens on DAC rate payers.

DAC Need

DACs in the unincorporated County areas rely on groundwater as their primary water supply source, while DACs within the service areas of the City of Hollister and Sunnyslope County Water District are provided water supply based on groundwater and treated imported water. Through collaborative and conjunctive management of water supplies, SBCWD has maintained the reliability of groundwater supply across the three subbasins. Because of this management, relatively shallow domestic wells have been able to provide water supplies, even during the recent drought. However, recent declines of local groundwater levels to less than historical lows suggest a real risk of overdraft that could adversely impact shallow wells, including those serving DACs.

While quantity of groundwater supply has been maintained so far, the quality of local groundwater has been described as highly mineralized and of marginal quality for drinking and agricultural purposes. The mineralized water quality is typical of relatively small Coast Range groundwater basins, but has also been



impacted by decades of human-related activities, both agricultural and urban. SBCWD and other local agencies have collaborated to address water quality issues (e.g., through the Hollister Urban Area Water Project), but work remains to be done.

For example, analyses of water quality in City of Hollister wells reported hexavalent chromium (CrVI) concentrations above the then-designated California maximum contaminant level (MCL); while this MCL currently is being reevaluated, the occurrence of CrVI triggered intensive investigations by the City. These identified a preferred option of blending groundwater with treated imported water provided through the Hollister Urban Area Water Project. Other historical water quality concerns across the subbasins involve boron, chloride, hardness, nitrate, and total dissolved solids. In some parts of the basin, groundwater does not meet water quality standards; accordingly, SBCWD, water purveyors, and other agencies are examining ways to improve quality in these areas. In addition to the historical concerns, current operations by regulated facilities have introduced new local issues involving perchlorate, metals, and volatile organic chemicals. All areas where these problems have been discovered are regulated by the Regional Water Quality Control Board (RWQCB).

With many DACs in the Subbasins entirely dependent on groundwater, funding assistance to develop and implement a robust GSP would ensure a long-term sustainable water supply while reducing the burden of the financial cost on DACs associated with SGMA compliance. Generally poor water quality within the Bolsa, Hollister, and San Juan Bautista Subbasins severely impacts the availability and reliability of the only water supply source available to DACs. GSP planning funding would serve to address these issues to ensure long-term supply sustainability for communities with limited financial resources.

Recent Projects Benefitting DACs

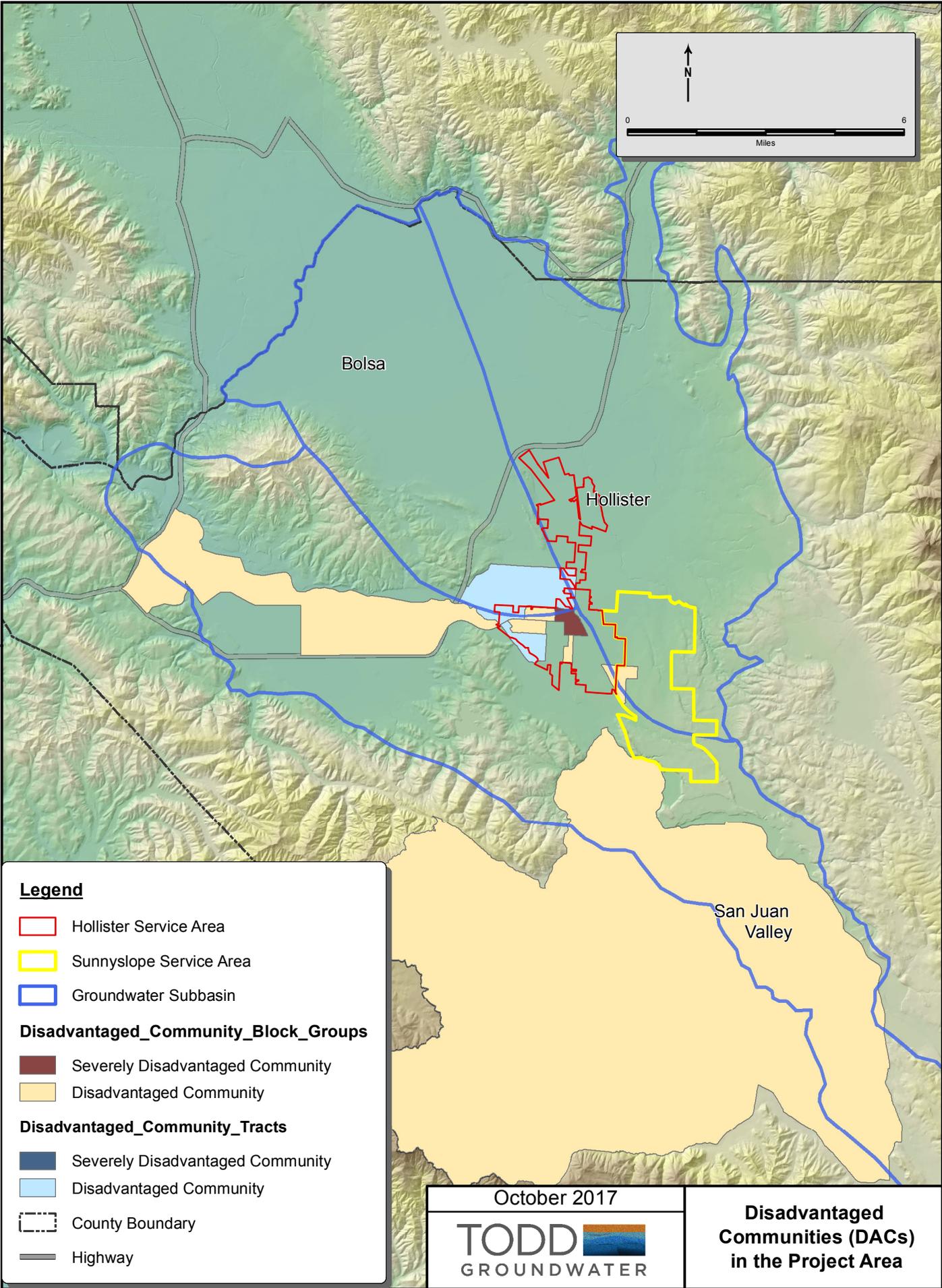
The most significant recent project benefitting DACs is construction of the new West Hills Water Treatment Plant (WTP). As part of the Hollister Urban Area Water Project, the Hollister Urban Area (HUA) agencies (including SBCWD, City of Hollister, and Sunnyslope County Water District) are currently constructing the new WTP to treat Central Valley Project imports. This new WTP will provide for delivery to urban areas, including DACs in the western portion of the City of Hollister. This new WTP is expected to be online by the end of 2017.

Cost Share Reduction Request

SBCWD is requesting a 50 percent local cost share waiver, given that the proposed project area includes DAC and SDAC areas that will benefit from continued, effective management. As shown in Table 1, 16% of the geographic surface area of the Bolsa, Hollister, and San Juan Bautista subbasins encompasses DACs and SDACs; it is notable that 25% of the San Juan Bautista Subbasin is considered disadvantaged. As documented, the three subbasins meet all requirements to receive a partial cost share waiver.

Financial Need

A partial waiver of the cost sharing would alleviate additional financial burden on SBCWD and the community served by SBCWD and local water providers. It will provide demonstrable support for GSP preparation that will maintain long-term sustainability of the groundwater resource that is a critical source of local water supply.



Legend

- Hollister Service Area
- Sunnyslope Service Area
- Groundwater Subbasin

Disadvantaged_Community_Block_Groups

- Severely Disadvantaged Community
- Disadvantaged Community

Disadvantaged_Community_Tracts

- Severely Disadvantaged Community
- Disadvantaged Community

- County Boundary
- Highway

October 2017



**Disadvantaged
Communities (DACs)
in the Project Area**



ATTACHMENT 8

Economically Distressed Area

Determination of EDAs in the Subbasin. Economically Distressed Areas in the San Juan Bautista basin were identified using the DWR mapping tool and checklist.

Documentation includes a map of the EDA and copy of the EDA Checklist.

Description of Project Benefits to DACs. The benefits to local DACs from the proposed projects in the three SBCWD subbasins are described.

Economically Distressed Areas in Bolsa, Hollister, and San Juan Bautista Subbasins

Economically Distressed Areas (EDAs) are characterized by an annual median household income (MHI) less than 85% of the California Statewide MHI located in a rural county with a low population density. San Benito is considered a rural county with an average density of 41 persons per square mile. With the exception of the cities of Hollister and San Juan Bautista, the census block groups are also considered low population. The two block groups that have a median household income of less than 85 percent (one located in the northern portion of San Juan Valley and the other located south of Tres Pinos) have a population density of 61 persons per square mile and 9 persons per square mile, respectively.

For information about DACs and SDACs within the Bolsa, Hollister, and San Juan Bautista Subbasins, please refer to Attachments 7 and 9, respectively.

The attached figure shows the EDA within the Bolsa, Hollister, and San Juan Bautista subbasins, representing block group areas. The EDA areas shown on this map also overlies some of the block groups that also qualify as Disadvantaged Communities (DACs) including a large block across the rural San Juan Bautista Subbasin. San Juan Bautista subbasin contains EDAs while Hollister and Bolsa have DACs.

Analysis of EDAs within the subbasins was performed using the ArcGIS Map Package of the data from the DWR EDA Mapping Tool and EDA Checklist. Table 1 shows the tabulated areas of EDAs within the subbasins.

Table 1. Area of Disadvantaged Communities by Subbasin (Ac)

	Total Area	Area of EDA Block	Total Area, EDA, DAC and/or SDAC	% EDA, DAC and/or SDAC
BOLSA AREA	32,565	0	2,153	7%
HOLLISTER AREA	50,993	0	319	1%
SAN JUAN BAUTISTA AREA	116,008	27,364	28,741	25%
TOTAL PROJECT AREA	199,566	27,364	31,213	16%

¹ U.S. Census ACS data from 2010 to 2014, provided by DWR. Available at http://www.water.ca.gov/irwm/grants/resources_dac.cfm.



EDA Involvement

While EDAs are mapped only in San Juan Bautista Subbasin, EDA outreach and involvement is integrated into GSP development for the Bolsa, Hollister, and San Juan Bautista subbasins. This recognizes the historical joint management of the basins and the community bonds that exist across subbasin boundaries and link rural EDAs with disadvantaged communities (DACs and SDACs) in the Hollister urban area. While urban area DACs and SDACs have access to groundwater and imported water, the rural EDAs are dependent on groundwater.

Involvement of disadvantaged communities in local water resource management issues has been ongoing, including the Salt and Nutrient Management Plan (SNMP, 2014), which addressed the entirety of the subbasins as defined by DWR and included outreach to diverse groups. Through the GSP development and implementation process, as well as ongoing outreach by the Water Resources Association, SBCWD will identify representatives of local disadvantaged communities and actively encourage their participation in GSP development.

EDA Support

Appendix A of this attachment includes letters of support received from local agencies that represent Economically Distressed Areas overlying the San Juan Bautista subbasin. The County of San Benito and San Benito County Farm Bureau have submitted letters of support for the SBCWD GSP Grant Proposal. The County recognizes the reliance of unincorporated EDA areas on groundwater as a sole source of supply and states its support for groundwater sustainability as fundamental to a balance of the environment, the economy, and social equity. The Farm Bureau recognizes the importance of groundwater as the sole source for rural residences and communities, including EDAs.

Proposal Benefits to EDA

The proposal benefit area includes the San Juan Bautista subbasin; therefore, all EDAs within the subbasin will benefit from the development and implementation of the GSP. The GSP, developed with the financial assistance of grant funding, will comply with SGMA and support ongoing conjunctive management of water resources. This conjunctive management (of groundwater, imported water, local surface water, and recycled water) has maintained groundwater as a reliable source of supply throughout the subbasin, including Economically Distressed Areas. The northern San Juan Bautista Subbasin, which includes EDAs, is characterized by high TDS. Coordination of GSP, SNMP, and IRWM efforts will support improved groundwater quality through monitoring, water recycling, and the Hollister Urban Area Water Project. Funding assistance through a SGWP grant will help reduce financial burdens on EDA rate payers.

EDA Need

EDAs in the unincorporated County areas rely on groundwater as their primary water supply source. Through collaborative and conjunctive management of water supplies, SBCWD has maintained the reliability of groundwater supply across the three subbasins. Because of this management, relatively shallow domestic wells have been able to provide water supplies, even during the recent drought. However, recent declines of local groundwater levels to less than historical lows suggest a real risk of overdraft that could adversely impact shallow wells, including those serving EDAs.

While quantity of groundwater supply has been maintained so far, the quality of local groundwater has



been described as highly mineralized and of marginal quality for drinking and agricultural purposes. The mineralized water quality is typical of relatively small Coast Range groundwater basins, but has also been impacted by decades of human-related activities, both agricultural and urban. SBCWD and other local agencies have collaborated to address water quality issues (e.g., through the SNMP and Hollister Urban Area Water Project), but work remains to be done.

With EDAs in the area dependent on groundwater, funding assistance to develop and implement a robust GSP would ensure a long-term sustainable water supply while reducing the burden of the financial cost on EDAs associated with SGMA compliance. Generally poor water quality within the San Juan Bautista Subbasin severely impacts the availability and reliability of the sole water supply source available to EDAs. GSP planning funding would serve to address these issues to ensure long-term supply sustainability for communities with limited financial resources.

Recent Projects Benefitting EDAs

The SNMP identified areas of relatively high TDS concentrations in groundwater in the northern San Juan Bautista subbasin that overlap EDAs; these are being addressed with enhanced monitoring through the SNMP, the delivered water and wastewater quality improvement with the Hollister Urban Area Water Project, and Water Resources Association programs such as water softener rebates.

Cost Share Reduction Request

SBCWD is requesting a 50 percent reduction of the local cost share, given that the proposed project area includes EDA, DAC, and SDAC areas that will benefit from continued, effective management. As shown in Table 1, 16% of the geographic surface area of the Bolsa, Hollister, and San Juan Bautista subbasins encompasses EDAs, DACs and SDACs; it is notable that 25% of the San Juan Bautista Subbasin is considered disadvantaged. As documented, the three subbasins meet all requirements to receive a cost share reduction.

Financial Need

A reduction of the cost sharing would alleviate additional financial burden on SBCWD and the community served by SBCWD and local water providers. It will provide demonstrable support for GSP preparation that will maintain long-term sustainability of the groundwater resource that is a critical source of local water supply.

ECONOMICALLY DISTRESSED AREA FORM

Economically Distressed Area Form Instructions

Please submit the Economically Distressed Area fillable pdf form with your grant or loan application.

Step	Criterion	Required Information
1	MHI	Attach map from EDA tool that shows the project benefit/service area and the <85% MHI layer.
2	Option 1: Municipality with Population of 20,000 People or Less	Attach map from EDA tool that shows the project benefit/service area and the municipality area population layer.
	Option 2: Rural County	Attach map from EDA tool that shows the project benefit/service area and the rural county layer.
	Option 3: Reasonably Isolated and Divisible Segment of a Larger Municipality where the Segment of the Population is 20,000 Persons or Less	Attach map from EDA tool that shows the project benefit/service area and the municipality area population layer. Explain, in 3,000 characters or less, the basis for claiming that the project benefit/service area is reasonably isolated and divisible.
3	Option 1: Financial Hardship	Explain, in 3,000 characters or less, the basis for claiming that the project benefit/service has a financial hardship.
	Option 2: Unemployment Rate at least 2 Percent Higher than the Statewide Average	Attach map from EDA tool that shows the project benefit/service area and the unemployment layer.
	Option 3: Low Population Density	Attach map from EDA tool that show the project benefit/service area and the low population density layer.

ECONOMICALLY DISTRESSED AREA CHECKLIST

Instructions: To meet the definition of an economically distressed area, applicants must meet the criterion in Step 1, then proceed to selecting one criterion from Step 2, followed by selecting one criterion from Step 3. Please fill out this checklist, selecting the appropriate criteria for your project's benefit area, and include it in your EDA package.

Applicant Name: _____

Project Name: _____

Program Name (reference Table 1): _____

Step 1

An annual median household income < 85% of statewide median household income:

Step 2

• A municipality with a population of 20,000 people or less:

• A rural county: _____

• A reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less:

Step 3*

• Financial hardship: _____

• Unemployment rate at least 2 percent higher than the statewide average:

• Low population density: _____

*As determined by the Department.

MAP OF ECONOMICALLY DISTRESSED AREA & PROJECT BENEFIT AREA

Instructions: To meet the definition of an economically distressed area, applicants must display their selected economically distressed area criteria via map(s) and show the project benefit area. Please utilize the Economically Distressed Area Mapping Tool to show the appropriate criteria for your project benefit area.

Attach a map to this form.

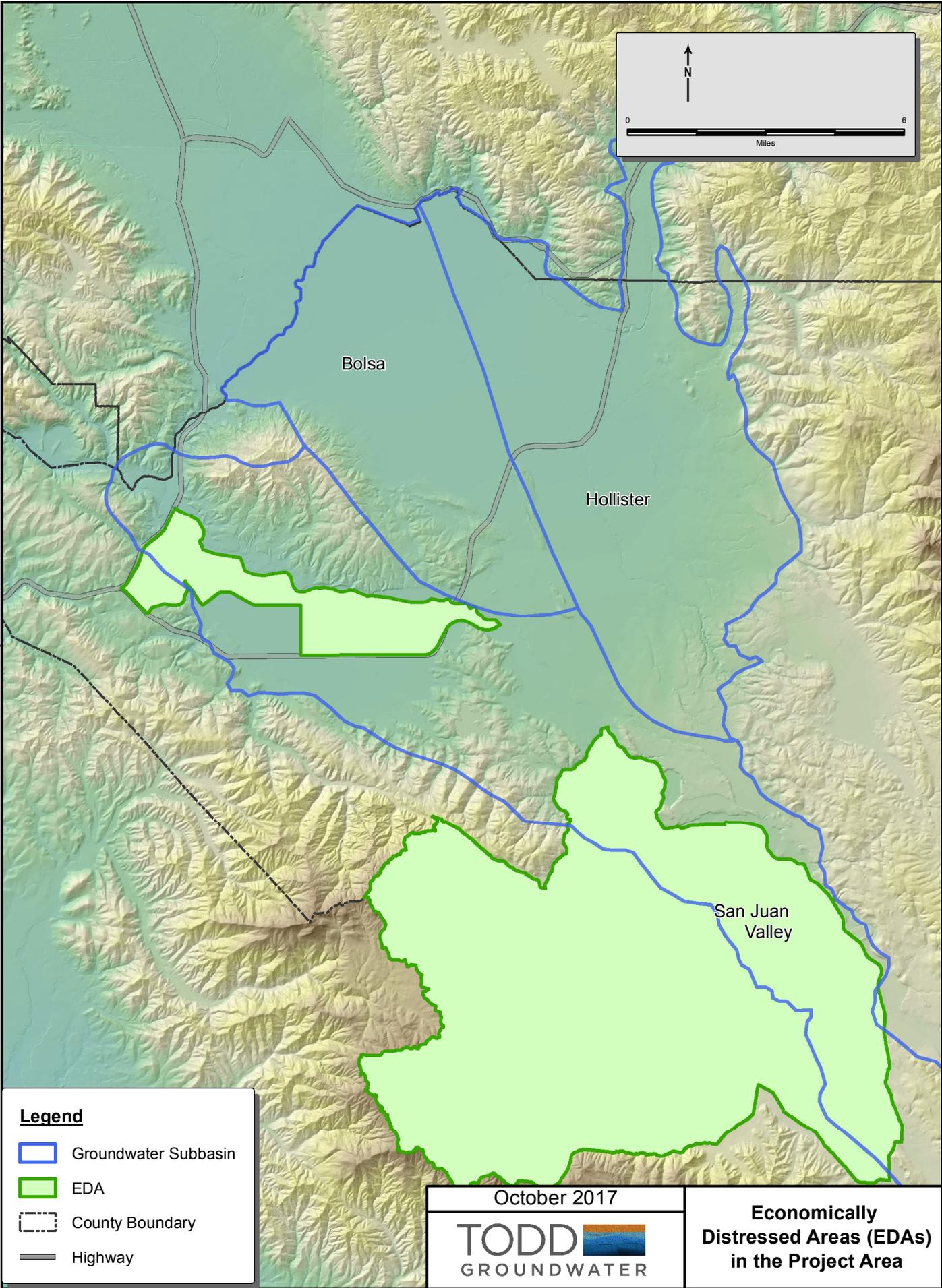
REASONABLY ISOLATED JUSTIFICATION

Instructions: To meet the definition of an economically distressed area, applicants must display one criterion from each step of the Economically Distressed Area Checklist (Attachment 1). Please utilize the space below to describe the appropriate 'reasonably isolated' criterion for your project benefit area, if applicable. Please limit justification narrative to 3,000 characters.

Insert text here.

FINANCIAL HARDSHIP JUSTIFICATION

Insert text here.





ATTACHMENT 9

Severely Disadvantaged Communities

Determination of SDACs in the Subbasin. Severely disadvantaged communities (SDACs) in the Bolsa, Hollister, and San Juan Bautista basins are defined and mapped using the DWR Mapping Tool.

Description of Project Benefits to SDACs. The benefits to local SDACs from the proposed projects in the Bolsa, Hollister, and San Juan Bautista basins are described.

Severely Disadvantaged Communities in Bolsa, Hollister, and San Juan Bautista Subbasins

Severely Disadvantaged Communities (SDACs) are defined by a median household income (MHI) less than 60% of the California Statewide MHI.² According to the U.S. Census American Community Survey (ACS) 5-Year Data: 2010- 2014, the MHI in California was \$61,489; therefore, communities within the Bolsa, Hollister, and San Juan Bautista Subbasins with an MHI of \$36,893 (60% of \$61,489) or less are considered SDACs. For more information about DACs, and within the three subbasins, please refer to Attachments 7 and 8, respectively.

The attached figure is the SDAC map for the Bolsa, Hollister, and San Juan Bautista subbasins, representing a combination of census place, tract, and block group information. As shown, an SDAC is located in Hollister and overlaps the Bolsa and San Juan Bautista subbasins. Analysis of SDACs within the subbasins was performed using the ArcGIS Map Package of the data from the DWR DAC Mapping Tool. Table 1 shows the tabulated SDAC areas within the respective subbasins.

Table 1. Area of Disadvantaged Communities by Subbasin (Ac)

	Total Area	Area SDAC	Area DAC Tract or Block	Total Area, DAC + SDAC	% DAC and SDAC
BOLSA AREA	32,565	21	2,132	2,153	7%
HOLLISTER AREA	50,993	-	319	319	1%
SAN JUAN BAUTISTA AREA	116,008	251	28,490	28,741	25%
TOTAL PROJECT AREA	199,566	272	30,941	31,213	16%

¹ U.S. Census ACS data from 2010 to 2014, provided by DWR. Available at http://www.water.ca.gov/irwm/grants/resources_dac.cfm.

SDAC Involvement

Like outreach to DACs, SDAC outreach and involvement is important in developing the Groundwater Sustainability Plan (GSP) for the Bolsa, Hollister, and San Juan Bautista Subbasins. While the SDAC area currently is in the Hollister urban area, which has groundwater and imported water supplies, it is recognized that SDACs (and DACs) are not static through time and it is important that disadvantaged communities outside the urban area depend on groundwater. SDAC participation in water resource planning is ongoing through the IRWM planning process and the Hollister Urban Area Water Project that



is a collaborative effort among SBCWD, City of Hollister and Sunnyslope County Water District. This project brings direct benefits to the SDAC area; it increases water supply reliability and water quality improvement for local municipal customers (including the severely disadvantaged community areas) through construction of water treatment facilities for imported water.

Through the GSP development and implementation process, as well as ongoing outreach by the Water Resources Association, SBCWD will identify representatives of local disadvantaged communities and actively encourage their participation in GSP development.

SDAC Support

This attachment includes the letter of support received from the City of Hollister, which provides land use planning, water supply, and wastewater services, includes the SDAC, and recognizes the importance of social equity. The City supports the continued collaborative water management of SBCWD including the development of new treatment facilities that can maximize the supply of imported water to urban customers and improve water quality.

SDAC Proposal Benefits

The proposal benefit area includes the Bolsa, Hollister, and San Juan Bautista Subbasins; therefore, all SDACs within the subbasins will benefit from development and implementation of the GSP. The GSP, developed with the financial assistance of grant funding, will comply with SGMA and support ongoing conjunctive management of water resources. This conjunctive management (of groundwater, imported water, local surface water, and recycled water) has maintained groundwater as a reliable source of supply throughout the three subbasins, including disadvantaged areas. Coordination of GSP and IRWM planning will support improved quality of delivered potable water to municipal customers including the SDAC. Funding assistance through a SGWP grant will help reduce financial burdens on DAC rate payers.

SDAC Need

The SDAC area is within the Hollister urban area, with direct benefits from the Hollister Urban Area Water Project. However, the current SDAC and the Hollister Urban Area Water Project cannot be viewed in isolation. SBCWD, the City, and Sunnyslope County Water District recognize that management of water supplies for the urban area is inextricably part of regional management. Thus, for example, provision of imported water to Hollister will support the reliability of groundwater for rural communities, including current and potential DACs and SDACs. Because of continuing conjunctive management, groundwater supplies generally have been maintained across rural areas. However, recent declines of local groundwater levels to less than historical lows suggest a real risk of overdraft that could adversely impact shallow rural wells, including those serving DACs.

Similarly, provision of imported water to the urban area will directly address water quality issues for the SDAC area in Hollister, including issues associated with hexavalent chromium, chloride, hardness, nitrate, and total dissolved solids in groundwater (see *DAC Need* in Attachment 7). Nonetheless, water quality concerns are addressed through regional management; accordingly, SBCWD, water purveyors, and other agencies are examining ways to improve quality in urban and rural areas.

Funding assistance to develop and implement a robust regional GSP would help support a long-term sustainable and good quality water supply while reducing the burden of the financial cost on DACs and SDACs, communities with limited financial resources.



Recent Projects Benefitting SDACs

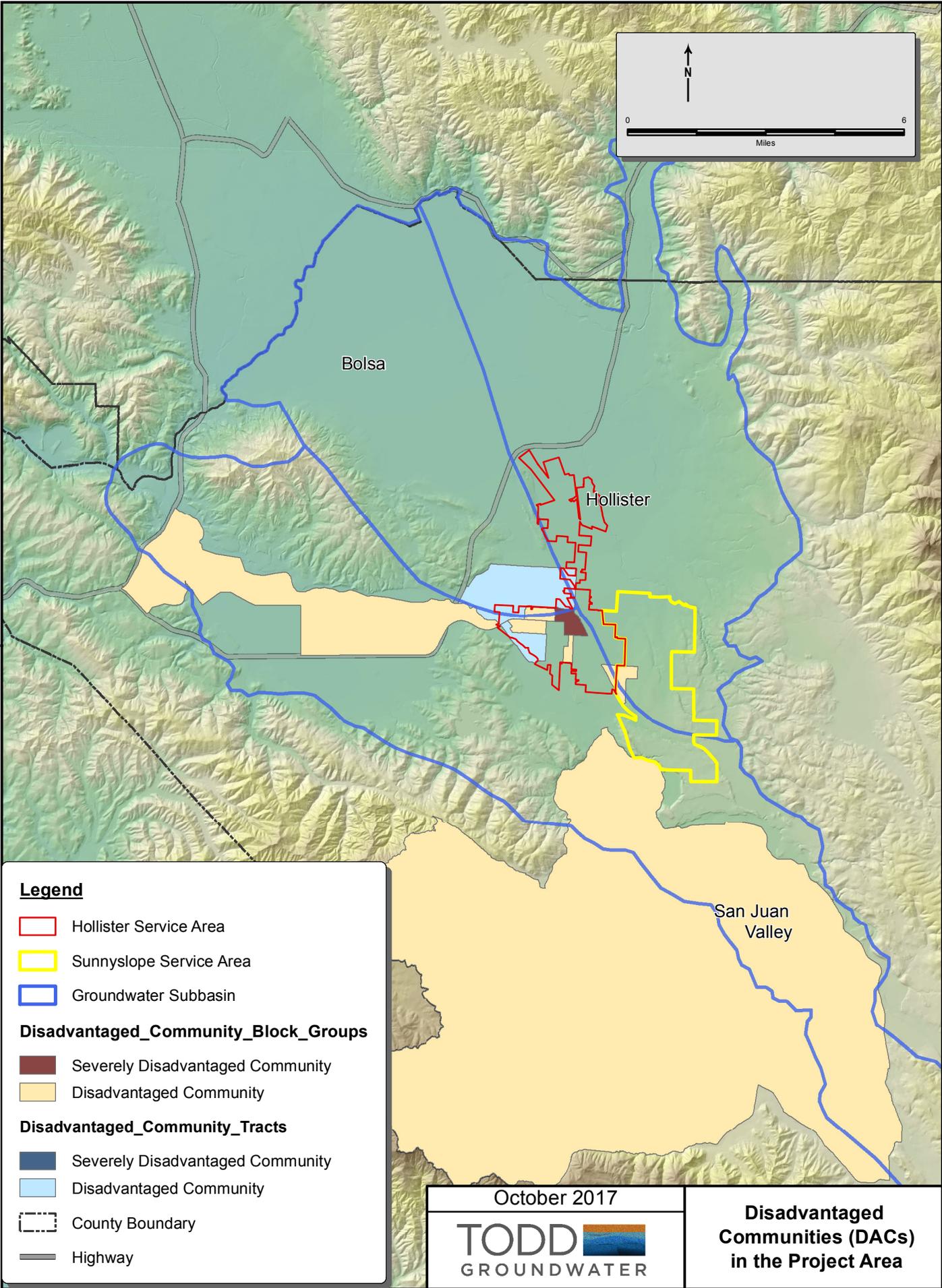
The most significant recent project benefitting DACs is construction of the new West Hills Water Treatment Plant (WTP). As part of the Hollister Urban Area Water Project, the Hollister Urban Area (HUA) agencies (including SBCWD, City of Hollister, and Sunnyslope County Water District) are currently constructing the new WTP to treat Central Valley Project imports. This new WTP will provide for delivery to urban areas, including DACs in the western portion of the City of Hollister. This new WTP is expected to be online by the end of 2017.

Cost Share Waiver Request

SBCWD is requesting a 50 percent local cost share waiver, given that the proposal service area has DAC and SDAC areas as shown in Table 1. The SDAC area is over 2% of the San Juan Bautista Subbasin and just over 1% of the combined surface area of the Bolsa, Hollister, and San Juan Bautista Subbasins. As shown in Table 1, the combined DACs and SDACs represents 16% of the combined subbasins (project area). Therefore, the project area meets requirements to receive a partial cost share waiver.

Financial Need

A partial waiver of the cost sharing would alleviate additional financial burden on SBCWD and the community served by SBCWD and local water providers, including the SDAC. It will provide demonstrable support for GSP preparation that will maintain long-term sustainability of the groundwater resource that is a critical source of local water supply.



Legend

- Hollister Service Area
- Sunnyslope Service Area
- Groundwater Subbasin

Disadvantaged_Community_Block_Groups

- Severely Disadvantaged Community
- Disadvantaged Community

Disadvantaged_Community_Tracts

- Severely Disadvantaged Community
- Disadvantaged Community

- County Boundary
- Highway

October 2017



Disadvantaged Communities (DACs) in the Project Area