BOARD OF DIRECTORS
SAN BENITO COUNTY WATER DISTRICT
Agenda For
March 30, 2022
Regular Meeting – 5:00 p.m.
30 Mansfield Road – Hollister, California 95023

Assistance for those with disabilities:
If you have a disability and need accommodation to participate in the meeting, please call Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting for assistance so the necessary arrangements can be made.

On September 16, 2021, Governor Newsom signed AB 361, which will continue to allow local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health as related to COVID-19..

There will be NO physical location of the meeting for members of the public. Members of the public may participate virtually. Members of the public participating are instructed to be on mute during the proceedings and to speak only when public comment is allowed, after requesting and receiving recognition from the Board President.

ZOOM LINK
https://us06web.zoom.us/j/89364933106?pwd=ajBnZWRTeDFaS0tQZUg5RXFKN0JKQT09

Meeting ID
893 6493 3106

Passcode:
401033

Dial Only:
+1 253 215 8782 US

If you plan to participate in the meeting and need assistance, please call Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting.

CALL TO ORDER

a. Pledge of Allegiance to the Flag

b. Roll Call

c. Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.

d. Consider Resolution Proclaiming and Ratifying March 4, 2020 COVID-19 State of Emergency, and Authorizing Remote Teleconference Meetings for all District Legislative Bodies for the Following 30 Days in Accordance with the Ralph M. Brown Act

e. Approval of Agenda

f. Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda

CONSENT AGENDA:

(Consent items shall be considered as a whole and without discussion unless a particular item is removed from the consent agenda. Board member may discuss individual items or seek information from staff or legal counsel without removing the item from the Consent Agenda. A member of the public should seek recognition by the President if comment is desired. Approval of consent items shall be made by one motion.)

1. Approval of Minutes for: February 23, 2022 Regular Meeting
   March 10, 2022 Special Meeting
2. Allowance of Claims
3. Acknowledgement of Paid Claims prior to the March Board Meeting
4. Recognizing Cindy Tyler for 10 Years of Part-Time Service, Certificate Issued

REGULAR AGENDA:

5. Groundwater Sustainability Plan Annual Report 2021
   a. Presentation of Report
   b. Consider Acceptance of Groundwater Sustainability Plan Annual Report 2021
6. Presentation by Holly Kennedy, HDR, on Water Supply Options
7. Consider Authorizing the District General Manager to Execute the BF Sisk Activity Agreement with San Luis and Delta Mendota Water Authority
8. Discuss and Consider Approval of Resolution to Submit a Grant Application to the Bureau of Reclamation for WaterSMART Small-Scale Water Efficiency Projects (Funding Opportunity No. R22AS0095)
9. Consider Director Attendance at JPIA Board of Directors Meeting and Spring Conference, May 2, 2022, Sacramento, California
10. Consider Director and District Manager (or his Designee) Attendance at ACWA Spring Conference, May 2 through 5, 2022, Sacramento, California
11. Board Discussion on meeting format for Committee and Board Meetings
12. Committee/Agency Representative Reports:
    a. San Luis Delta Mendota Water Authority (Tonascia/Cattaneo)
    b. Finance Committee (Tonascia/Williams)
    c. Personnel Committee (Tobias/Tonascia)
13. Monthly Operations and Maintenance Report

14. District Manager/Engineer's Report:

    a. Reach 1 Operations

    b. Zone 3 Operations

    c. Zone 6 Operations

    d. San Luis Delta Mendota Authority Activities

    e. City of San Juan Bautista Water Supply Plan

15. **CLOSED SESSION**
Appointment of Public Employee
Pursuant to Government Code Section 54957 (b) (1)
Titles: 1) temporary appointment of Assistant General Manager with subsequent appointment to General Manager,
2) District Engineer

16. **CLOSED SESSION**
Conference with Labor Negotiator
Pursuant to Government Code Section 54957.6
Agency Designated Representative: District Manager
Unrepresented Employees: 1) temporary appointment of Assistant General Manager with subsequent appointment to General Manager,
2) District Engineer

17. **OPEN SESSION**

    1. Report any action, if any, taken in Closed Session Items

        i. 15

        ii. 16

    2. Discuss and Consider Creation and Authorization of Two Positions

        a. Assistant General Manager

        b. District Engineer

    3. Hear Oral Summary of Recommendation for a Final Action on Salary and Compensation for Local Agency Executives
    (1) temporary appointment of Assistant General Manager and subsequent appointment of General Manager, 2)District Engineer
    Pursuant to Government Code Section 54953, Subsection c, 3

    4. Consider Approval of Resolution 2022-10 for Executive Compensation

    5. Consider Approval of Employment Contract for Assistant General Manager and subsequent appointment to General Manager and Authorize District Manager and Board President to Sign

6. Consider Approval of Employment Contract for District Engineer and Authorize District Manager to Sign

17. Adjournment

Adjournment - Unless there is a special meeting prior to that time, the next regular meeting of the Board will be Wednesday, April 27, 2022. Meetings are held at the District office, 30 Mansfield Road, Hollister, California. **LAST DAY TO FILE CLAIMS** against the District is the second Friday of each month, except in September, November and December. Usually meeting dates change in those months because of county fair/holidays. The Board may hold a closed session to discuss personnel matters, litigation or employee negotiations as authorized by the Ralph M. Brown Act, Evidence Code #950-962 or other appropriate State law.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 30 Mansfield Road, Hollister, California.

Agenda

Item

d

RESOLUTION NO. 2022-08

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BENITO COUNTY WATER DISTRICT A RESOLUTION RATIFYING THE STATE OF EMERGENCY PROCLAIMED ON MARCH 4, 2020, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF ALL DISTRICT LEGISLATIVE BODIES FOR THE FOLLOWING 30 DAYS IN ACCORD WITH THE RALPH M. BROWN ACT

WHEREAS, the San Benito County Water District (the "District") is a public entity established under the laws of the State of California; and

WHEREAS, the District is committed to preserving and nurturing public access and participation in meetings of the District Board and Committees; and

WHEREAS, all meetings of District legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code sections 54950 – 54963) (the "Brown Act"), so that any member of the public may attend, observe, and participate when District legislative bodies conduct business; and

WHEREAS, the Brown Act, Government Code section 54953(e), enables remote teleconferencing participation in meetings by members of a legislative body, without strict compliance with requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, one required condition is that a state of emergency has been declared by the Governor of the State of California pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and.

WHEREAS, a proclamation is made that there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the District's jurisdiction, caused by natural, technological, or human-caused disasters; and

WHEREAS, state or local officials have imposed or recommended measures to promote social distancing, or having the legislative body meet in person would present imminent risks to the health and safety of attendees; and

WHEREAS, the District Board affirms these conditions now exist in the District. Specifically, on March 4, 2020, the Governor proclaimed a State of Emergency to exist as a result of the threat of COVID-19. That Proclamation has not been terminated by either the Governor or the Legislature pursuant to Government Code section 8629; and

WHEREAS, despite sustained efforts to remedy this circumstance, the District Board determines that meeting in person poses an imminent risk to health and safety of attendees due to the COVID-19 virus and its variants; and

WHEREAS, the District Board finds the emergency created by the COVID-19 virus and its variants has caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and desires to proclaim a local emergency and ratify the proclamation of state of emergency by the Governor and similar local health orders that require social distancing; and

WHEREAS, as a consequence of the local emergency, the District Board determines that all legislative bodies of the District are required to conduct their meetings without full compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that those District legislative bodies shall comply with the requirements to provide public access to the meetings remotely as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, each District legislative body shall continue to conduct meetings with public access available via call-in or internet-based service options and the public shall be allowed to address the legislative body directly in real time; and

WHEREAS, This Resolution shall authorize the General Manager to establish and maintain platforms necessary for each District legislative body to hold teleconference meetings and provide an avenue for real-time public comments for such meetings; and

WHEREAS, the District Board finds the introduction and adoption of this resolution is not subject to the California Environmental Quality Act (CEQA) as the activity is not a project as defined in Section 15378) of the CEQA Guidelines.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The foregoing findings are true and correct and are adopted by the District Board as though set forth in full.

2. The Board hereby proclaims that a local emergency now exists throughout the District, and meeting in person would present imminent risk as a result of the COVID-19 virus and its variants.

3. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

4. The District Manager and legislative bodies of the San Benito County Water District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and

public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

5. This Resolution shall take effect immediately upon its adoption and shall be remain in effect for a period of 30 days, or until such time the District Board adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which District legislative bodies may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

The foregoing Resolution was passed and adopted at a regular meeting of the Board of Directors of the San Benito County Water District held on March 30, 2022, by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSENT: DIRECTORS:

ABSTAIN: DIRECTORS:

_____

Joseph Tonascia
President

ATTEST: _____

Sara Singleton
Assistant Manager

February 23, 2022
Regular Meeting
5:0 p.m.

On March 18, 2020, Governor Newsom issued Executive Order N-29-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic; this meeting was conducted via Zoom. Because of this, all voting was done by roll call vote.

The Board of Directors of the San Benito County Water District convened in regular session on Wednesday, February 23, 2022 at 5:00 p.m. at the San Benito County Water District office at 30 Mansfield Road, Hollister, California. Members present were: President Joe Tonascia, and Directors Andrew Shelton, John Tobias and Doug Williams; Vice President Sonny Flores was absent. Also present were District Manager/Engineer Jeff Cattaneo, District Counsel Jeremy T. Liem, Assistant Manager Sara Singleton, Deputy District Engineer Garrett Haertel, Water Conservation Program Manager Shawn Novack, Operations and Maintenance Supervisor Michael Craig and Board Clerk/Office Specialist III Barbara Mauro.

CALL TO ORDER

The meeting was called to order by President Tonascia at 5:00 p.m.

a. Pledge of Allegiance to the Flag
President Tonascia led the Pledge of Allegiance.

b. Roll Call
Mrs. Mauro called roll. President Tonascia and Directors Shelton, Tobias and Williams were present; Vice President Flores was absent.

c. Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.

d. Approval of Agenda
Mrs. Mauro stated there was one change to the agenda; Agenda item #14, No. 4, should state the District Manager can sign the employment contract and not the Board President. Noting that change, Director Tobias made a motion to approve the Agenda and it was seconded by Director Shelton. The Agenda was approved by 4 affirmative votes, Tonascia, Shelton, Tobias and Williams and there was 1 absence, Flores.

e. Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda
There were no public comments.

CONSENT AGENDA:

1. Approval of Minutes for: January 26, 2022 Regular Meeting
February 15, 2022 Special Meeting

2. Allowance of Claims

3. Acknowledgement of Paid Claims prior to the February Board Meeting

4. **Consider Resolution Proclaiming and Ratifying March 4, 2020 COVID-19 State of Emergency, and Authorizing Remote Teleconference Meetings for all District Legislative Bodies for the Following 30 Days in Accordance with the Ralph M. Brown Act**

With a motion by Director Williams and a second by Director Shelton, the Consent Agenda was approved by 4 affirmative votes, Tonascia, Shelton, Tobias and Williams and there was 1 absence, Flores.

REGULAR AGENDA:

5. **Public Hearing regarding Zone 6 Standby or Availability Charge for the 2022-2023 Water Year**

   a. **Proof of Publication submitted for Notice of Public Hearing**
   Mrs. Mauro verified the proof of publication.

   b. **Presentation of Establishing Standby or Availability Charge for the 2022-2023 Water Year**
   Mr. Cattaneo stated this is a routine action of the Board each year. It is not subject to Prop 218 and staff is proposing to leave the rate at $6 per acre foot.

   c. **Open Public Hearing**
   President Tonascia opened the Public Hearing.

   d. **Close Public Hearing or continue to a later date**
   With no public in attendance, President Tonascia closed the Public Hearing.

   e. **Consider Resolution Establishing Standby or Availability Charge 2022-2023 Water Year**
   With a motion by Director Tobias and a second by Director Williams, Resolution #2022-06, *A Resolution of the Board of Directors of the San Benito County Water District Establishing a Standby or Availability Charge for 2022-2023 Water Year* was approved by 4 affirmative votes, Tonascia, Shelton, Tobias and Williams and there was 1 absence, Flores.

6. **Presentation by Raftelis on Water Rate Study**
The Board received a presentation from Theresa Jurotich and Sanjay Gaur from Raftelis on the water rate study they are working on for the District. Ms. Jurotich stated the study will be for a 15-year plan and she reviewed the steps they are proposing. Mr. Gaur reviewed our current groundwater, recycled water and power charges. Also discussed were the need for policies for rates.

The next steps, per Ms. Jurotich, are to finalize the 15-year model, allocate the costs for the different rate categories and then hold a Board Workshop with the results of the rate study.

7. **Acknowledge the Purchase of a Field Services Tractor ($67,014)**
Mr. Craig stated the District's 1985 Tractor's engine blew out again. To replace this, would cost $11,000. Over the last 6+ years, Mr. Craig stated, the District has invested

more then $47,000 to keep it operating. The Board of Directors acknowledged the purchase of the Field Services Tractor in the amount of $67.014.

8. **City of San Juan Bautista Water Project Status**
Mr. Cattaneo reviewed the San Juan Bautista Water Project estimate cost components, dated January 2022, which has been presented to the City of San Juan Bautista and to the City of San Juan Bautista Water Infrastructure Ad Hoc Committee.

9. **Committee/Agency Representative Reports:**
   a. **San Luis Delta Mendota Water Authority (Tonascia/Cattaneo)**
   As per Mr. Cattaneo, he will cover this under his manager's report.

   b. **Pajaro River Watershed Flood Prevention Authority (Flores/Shelton)**
   Director Flores was not present to offer a report.

   c. **Water Resources Association (Flores/Shelton)**
   As per Mr. Cattaneo, general business and the drought were discussed.

   d. **City of San Juan Bautista Water Infrastructure Ad Hoc Committee (Tonascia/Flores)**
   As per Director Tonascia, this has already been covered.

10. **Monthly Operations and Maintenance Report**
Mr. Craig gave a PowerPoint of photos from recent maintenance done at the recycled water ponds. He further added, the maintenance department has had 4 leaks this month; two have been repaired and two are left to complete.

11. **District Manager/Engineer's Report:**
   a. **Reach 1 Operations**
   As per Mr. Cattaneo, there isn't much to report. SCVWD and SBCWD had their quarterly meeting and the annual budget is being prepared.

   b. **Zone 3 Operations**
   As per Mr. Cattaneo, he will direct District staff to begin releasing water from Hernandez Reservoir perhaps starting tomorrow, at a rate of 100-acre feet per day.

   c. **Zone 6 Operations**
   As per Mr. Cattaneo, the Bureau released their water allocation today. The Ag water allocation is -0- and the M & I water allocation is 25% of historical use. He further reported the North of Delta and the Yuba additional water supplies are now at risk. Last year, the initial allocation for M & I in April was 50% of historical use and then reduced it in May to 25% of historical use. Mr. Cattaneo has instructed District staff to fill San Justo Reservoir from San Luis Reservoir, so as not to lose our allocated water if there are any further reductions.

   d. **San Luis Delta Mendota Authority Activities**
   As per Mr. Cattaneo, discussion at the Authority was regarding Westlands and their share of the cost in activity agreements. Because the agreements are based on contract amounts, Westlands is paying about 50% of the total costs. Westlands has asked for this to be re-evaluated and if that is reduced, Mrs. Singleton stated

the District's amount on these agreements could more than double. Mr. Cattaneo reported it has been suggested there be some restructuring.

Also, discussed at the Authority was the B F Sisk Dam Raise Project. Mr. Cattaneo reported our District is working with SCVWD. Discussion was had that the investors portion of this project be owned by the investors. The Bureau portion of this project is allocated differently.

e. **City of San Juan Bautista Water Supply Plan**
As per Mr. Cattaneo, this has already been covered.

f. **Redistricting**
As per Mr. Cattaneo, the final map is different than the one he presented at the December Board meeting. He reviewed the new map with the Board and stated what the changes will be.

12. **CLOSED SESSION**
CONFERENCE WITH LEGAL COUNSEL – EXISITING LITIGATION
Existing Litigation Pursuant to Government Code 54956.9(a)
Center for Biological Diversity, ET AL v. United States Bureau of Reclamation, ET AL
(CASE NO.: 1:20-CV-00706-DAD-EPG)

13. **CLOSED SESSION**
Conference with Labor Negotiator
Pursuant to Government Code Section 54957.6
Agency Designated Representative: District Manager
Unrepresented Employee: Manager of Administration, Finance and Business Services

(The Board convened in Closed Session at 6:13 p.m.)

14. **OPEN SESSION**

(The Board reconvened in Open Session at 6:26 p.m.)

1. **Report any action, if any, taken in Closed Session Items**
   i. **12** –As per President Tonascia, no action was taken in Closed Session.
   ii. **13**–As per President Tonascia, no action was taken in Closed Session.

2. **Hear Oral Summary of Recommendation for a Final Action on Salary and Compensation for Local Agency Executive (Manager of Administration, Finance and Business Services) Pursuant to Government Code Section 54953, Subsection c, 3**

President Tonascia read the following Oral Summary into the record:

ORAL SUMMARY FOR LOCAL AGENCY EXECUTIVES
JOYCE MACHADO, MANAGER OF ADMINISTRATION,
FINANCE AND BUSINESS SERVICES

Government Code section 54953(c)(3) requires that, before taking final action, the Board of Directors must orally report a summary of the recommendation regarding the salaries, salary schedules, or compensation paid in the form of fringe benefits of a local agency executives. Therefore, I am reporting the following summary regarding such items appearing on the agenda.
Item # 13, pertains to final action by the Board of Directors regarding the recommendation to add the new positions of Manager of Administration, Finance and Business Services to the District's Executive Management Group. The Manager of Administration, Finance and Business Services will constitute a local agency executive. Compensation for this position will be as follows:

- *Annual salary of $170,000 effective on the date of hire.*
- *Annual salary of $175,100 one year from the date of hire.*
- *Tier Two pension at the CalPERS 2% at age 62 formula, in accordance with the Public Employment Pension Reform Act*
- *District contribution to a Section 457 Deferred Compensation Plan in the amount of 5% salary per year*
- *The District will pay 100% of the cost of basic life insurance premium for coverage up to the maximum $150,000.*
- *The employee will receive a total of 80 hours of management leave per year, provided as a lump sum on January 1st of each calendar year, pro-rated at the time of hire.*
- *The employee will accrue sick leave at a rate of 96 hours maximum per year. Sick leave accrual is capped at one thousand forty (1040 hours).*
- *The employee will have the same holiday schedule as the Executive Group set forth in the District's Personnel Rules and Regulations, which provides for 11.5 paid holidays per year.*
- *The District will pay for 100% of the cost of medical insurance, up to employee + family medical insurance in the PERS Gold plan.*
- *The District will pay for 100% of the cost of dental insurance, up to the family plan.*
- *The District will pay for 100% of the cost of vision insurance, up to the family plan (Plan A).*

- *The employee will be subject to Unpaid Furlough and End of Year Closure schedules.*

- *The employee may earn Educational and Technical Incentives up to a limit of $67.30 per pay period.*

- *The employee will receive the Additional District Benefit Contribution of 2% of salary or 40 hours of vacation leave per year, paid or accrued on a pay period basis.*

- *The employee will receive the Retiree Additional Benefit, if eligible on retirement, that ranges from $100 to $348 per month, depending on age at retirement and District Years of Service.*

- *The employee will receive a cell phone stipend of $51/month.*

- *The employee will accrue vacation at the rate of 3 weeks per year until she has completed 10 years of District service. At that time, she will accrue vacation consistent with the MCP Compensation Resolution.*

- *Consistent with the Executive Management Compensation Resolution for RHSA, the District will establish a RHSA for the employee. Contributions will be 100% of the cash-out value of employee's earned and unused sick leave and vacation will be cashed out and deposited into the employee's Retiree Health Savings Account at separation.*

- *If the District terminates the employee without cause, the District will provide a cash settlement (severance) payment equal to and no more than the monthly salary of the employee multiplied by the number of months left on the unexpired contract, not to exceed three months. Health benefits may be continued for the same duration of time covered in the settlement, or until the employee finds other employment, whichever occurs first.*

The Executive Management Group Compensation Resolution is amended to add the position of Manager of Administration, Finance and Business Services.

3. **Consider Approval of Resolution 2022-07 for Executive Compensation**
With a motion by Director Tobias and seconded by Director Williams, Resolution #2022-07, *A Resolution of the Board of Directors of the San Benito County Water District for Salary and Compensation for the Executive Management Group* was approved by 4 affirmative votes, Tonascia, Shelton, Tobias and Williams and there was 1 absence, Flores.

4. **Consider Approval of Employment Contract for Manager of Administration, Finance and Business Services and Authorize District Manager to Sign**
With a motion by Director Williams and a second by Director Shelton, the Board of Directors approved of an Employment Contract for Manager of

Administration, Finance and Business Services and Authorized the District Manager to sign, was approved by 4 affirmative votes, Tonascia, Shelton, Tobias and Williams and there was 1 absence, Flores.

15. Adjournment

With no further business to discuss, the meeting was adjourned at 6:35 p.m.

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Joseph Tonascia, President

_____

Barbara L. Mauro, Board Clerk

March 10, 2022
Special Meeting
4:01 p.m.

The Board of Directors of the San Benito County Water District convened in special session on Thursday, March 10, 2022 at 4:01 p.m. at the law offices of Pipal, Spurzem and Liem, 350 Fifth Street, Hollister, California. Members present were: President Joe Tonascia, Vice President Sonny Flores and Directors Andrew Shelton, John Tobias and Doug Williams. Also present were District Manager/Engineer Jeff Cattaneo, District Counsel Jeremy T. Liem, and Assistant Manager Sara Singleton.

CALL TO ORDER
The meeting was called to order at 4:01 p.m.

a. Pledge of Allegiance
President Tonascia led the Pledge of Allegiance.

b. Speakers will be limited to 5 minutes to address the Board
There were no public comments.

AGENDA ITEMS:

1. CLOSED SESSION:
Appointment of Public Employee
Pursuant to Government Code Section 54957 (b) (1)
Title: Assistant General Manager/District Engineer

Conference with Labor Negotiator
Pursuant to Government Code Section 54957.6
Agency Designated Representative: District Manager
Unrepresented Employee: Assistant General Manager/District Engineer

(The Board convened in Closed Session at 4:05 p.m.)

(The Board reconvened in Open Session at 6:23 p.m.)

2. OPEN SESSION:
Report Action, if any, in Closed Session

As per President Tonascia, there was no action to report from Closed Session.

ADJOURNMENT
With no further business to discuss, the meeting was adjourned at 6:25 p.m.

_____
Joseph Tonascia, President

_____
Barbara L. Mauro, Board Clerk

San Benito County Water District
COMPUTER CHECK REGISTER
Payables Management

Batch ID: CK033022
Batch Comment: Board Claims, March 30, 2022

Audit Trail Code: PMCHK00000918
Posting Date: 3/30/2022

IT IS CERTIFIED THAT THE FOLLOWING IS A TRUE LIST OF CLAIMS PROPERLY AND REGULARLY COMING BEFORE THE BOARD OF DIRECTORS OF SAID DISTRICT ON: MARCH 30, 2022

Check #	Date	Payment Number	Vendor ID	Check Name	Amount
0055827	3/24/2022	029520	A&BFI	A & B Fire Protection & Safety Inc.	$748.62
0055828	3/24/2022	029521	A1JAN	A-1 Services	$306.00
0055829	3/24/2022	029522	ALLIA	Alliance Resource Consulting	$33,750.00
0055830	3/24/2022	029523	ATOOL	A Tool Shed	$330.72
0055831	3/24/2022	029524	BARTE	Bartel Associates LLC	$1,400.00
0055832	3/24/2022	029525	BEFOR	Before the Movie Inc.	$438.00
0055833	3/24/2022	029526	BENCA	Ben Caputo Printing Company	$2,449.54
0055834	3/24/2022	029527	BENIT	Benito Link	$1,350.00
0055835	3/24/2022	029528	BRIGA	Brigantino Irrigation	$516.22
0055836	3/24/2022	029529	CCOIG	C.C.O.I. Gate & Fence	$220.00
0055837	3/24/2022	029530	CELLU	Cellular Controlled Products	$195.00
0055838	3/24/2022	029531	CINTA	Cintas Corporation	$358.80
0055839	3/24/2022	029532	CMANA	CM Analytical Inc.	$1,770.00
0055840	3/24/2022	029533	CVPWA	Central Valley Project Water Assn	$1,632.96
0055841	3/24/2022	029534	DASSE	Dassel's Petroleum Inc.	$3,875.54
0055842	3/24/2022	029535	DATAF	Dataflow Business Systems Inc	$425.48
0055843	3/24/2022	029536	EBCO	EBCO Pest Control	$60.00
0055844	3/24/2022	029537	EDGES	Edges Electrical Group	$194.28
0055845	3/24/2022	029538	ELCCO	ELC Consulting	$9,035.02
0055846	3/24/2022	029539	ELLRO	Robert H. Ellis PE	$4,455.00
0055847	3/24/2022	029540	FASTE	Fastenal Company	$865.79
0055848	3/24/2022	029541	GMESU	GME Supply Company	$12,005.85
0055849	3/24/2022	029542	GRAIN	GRAINGER	$387.82
0055850	3/24/2022	029543	GROSS	Grossmayer & Associates	$6,363.85
0055851	3/24/2022	029544	GUTIE	Gutierrez Consultants	$2,136.75
0055852	3/24/2022	029545	HANSE	Hanson Crane Service	$600.00
0055853	3/24/2022	029546	HAUTO	Hollister Auto Parts Inc.	$526.79
0055854	3/24/2022	029547	HDRENG	HDR Engineering Inc.	$106,112.05
0055855	3/24/2022	029548	ICONI	ICONIX Waterworks Inc.	$53,875.08
0055856	3/24/2022	029549	JOHNS	Johnson Lumber Company	$743.22
0055857	3/24/2022	029550	JOHNSM	John Smith Landfill	$19.95
0055858	3/24/2022	029551	LANDS	Landscape Design by Rosemary Bridwell (	$650.00
0055859	3/24/2022	029552	LIEBE	Liebert Cassidy Whitmore	$2,079.00
0055860	3/24/2022	029553	MAGGI	Maggiora Brothers Drilling	$1,217.26
0055861	3/24/2022	029554	MANDE	Mandego	$241.44
0055862	3/24/2022	029555	MCGIL	McGilloway Ray Brown & Kaufman	$3,780.00
0055863	3/24/2022	029556	MCKIN	McKinnon Lumber Inc.	$32.34
0055864	3/24/2022	029557	NEWSV	New SV Media Inc	$561.50
0055865	3/24/2022	029558	PALAC	Palace Business Solutions	$417.44
0055866	3/24/2022	029559	PTCIN	PTC Inc.	$1,657.50
0055867	3/24/2022	029560	RAFTE	Raftelis	$4,929.18
0055868	3/24/2022	029561	SBCCH	SBC Chamber of Commerce	$245.00
0055869	3/24/2022	029562	SBTIR	San Benito Tire	$22.50
0055870	3/24/2022	029563	SCVWD	Santa Clara Valley Water Dist	$122,841.93
0055871	3/24/2022	029564	SSCWD-TP	Sunnyslope County Water District	$228,311.75
0055872	3/24/2022	029565	TODDE	Todd Groundwater	$27,557.25
0055873	3/24/2022	029566	TRUEV	True Value Hardware	$32.75

* Voided Checks

Check #	Date	Payment Number	Vendor ID	Check Name	Amount
0055874	3/24/2022	029567	USBNK-CC	U.S. Bank Corporation	$5,564.18
0055875	3/24/2022	029568	WATT	Watt Electric Inc.	$30,967.15
0055876	3/24/2022	029569	WIENH	Wienhoff & Associates Inc.	$165.00
0055877	3/24/2022	029570	WRIIN	Wright Bros Industrial Supply	$374.95
0055878	3/24/2022	029571	WRIWE	Wright Bros Welding	$577.60
0055879	3/24/2022	029572	ZEIAL	Alan Zeisbrich	$4,549.75

Total Checks: 53 Checks Total: $683,923.80

* Voided Checks

Check #	Date	Payment Number	Vendor ID	Check Name	Amount

STATE OF CALIFORNIA
COUNTY OF SAN BENITO

I DO HEREBY CERTIFY, UNDER THE PENALTY OF PERJURY AT HOLLISTER, CALIFORNIA THIS 30TH DAY OF MARCH 2022 THAT THE FOREGOING DEMANDS ENUMERATED HAVE BEEN AUDITED; THAT THE SAME ARE ACCURATE AND JUST CLAIMS AGAINST THE DISTRICT; AND THAT THERE ARE FUNDS AVAILABLE FOR PAYMENT.

Prepared by: Accountant

Submitted by: District Manager

APPROVED BY BOARD OF DIRECTORS ON.

Date _____

_____

President

Payment#	Date	Check Total	Vendor ID	Vendor Name
029520	3/24/2022	$748.62	A&BFI	A & B Fire Protection & Safety, Inc.

Voucher: 045347 Invoice: 333833 Date: 2/23/2022 Annual Fire Extinguisher Svc. Doc Amt: $748.62

Allocations:	$74.86	100-6275-0000-563	CS-Maintenance-GA
Allocations:	$37.43	300-6275-0000-563	CS-Maintenance-GA
Allocations:	$636.33	600-6275-0000-563	CS-Maintenance-GA

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $74.86 Fund 300: $37.43 Fund 600: $636.33
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029521	3/24/2022	$306.00	A1JAN	A-1 Services

Voucher: 045255 Invoice: 4595 Date: 3/1/2022 Janitorial Services Doc Amt: $306.00

Allocations:	$30.60	100-6275-0000-563-06	CS-Maint 10/5/85
Allocations:	$15.30	300-6275-0000-563-06	CS-Maint 10/5/85
Allocations:	$260.10	600-6275-0000-563-06	CS-Maint 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $30.60 Fund 300: $15.30 Fund 600: $260.10
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029522	3/24/2022	$33,750.00	ALLIA	Alliance Resource Consulting

Voucher: 045391 Invoice: SBCWD-01-01/02 Date: 1/5/2022 Recruiting Service Doc Amt: $13,500.00

Allocations:	$675.00	300-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$11,475.00	600-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$1,350.00	100-6240-0000-563-06	CS-Consulting GA 10/5/85

Voucher: 045392 Invoice: SBCWD-01-03 Date: 2/4/2022 Recruiting Service Doc Amt: $6,750.00

Allocations:	$337.50	300-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$5,737.50	600-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$675.00	100-6240-0000-563-06	CS-Consulting GA 10/5/85

Voucher: 045393 Invoice: SBCWD-02-03 Date: 2/18/2022 Recruiting Service Doc Amt: $6,750.00

Allocations:	$337.50	300-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$5,737.50	600-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$675.00	100-6240-0000-563-06	CS-Consulting GA 10/5/85

Voucher: 045394 Invoice: SBCWD-01-04 Date: 3/15/2022 Recruiting Service Doc Amt: $6,750.00

Allocations:	$337.50	300-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$5,737.50	600-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$675.00	100-6240-0000-563-06	CS-Consulting GA 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $3,375.00 Fund 300: $1,687.50 Fund 600: $28,687.50
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029523	3/24/2022	$330.72	ATOOL	A Tool Shed

Voucher: 045336 Invoice: 1555640-7 Date: 3/4/2022 Maintenance Equipment Rental Doc Amt: $108.00
Allocations: $108.00 600-6450-0000-542 Tool & Equipment Rental-TM

Voucher: 045337 Invoice: 1556716-7 Date: 3/10/2022 Maintenance Equipment Rental Doc Amt: $222.72
Allocations: $222.72 600-6450-0000-542 Tool & Equipment Rental-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $330.72
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029524	3/24/2022	$1,400.00	BARTE	Bartel Associates, LLC

Voucher: 045377 Invoice: 22-147 Date: 3/3/2022 Consulting Services Doc Amt: $1,400.00
Allocations: $140.00 100-6230-0000-563-06 CS-Accounting 10/5/85
Allocations: $70.00 300-6230-0000-563-06 CS-Accounting 10/5/85
Allocations: $1,190.00 600-6230-0000-563-06 CS-Accounting 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $140.00 Fund 300: $70.00 Fund 600: $1,190.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029525	3/24/2022	$438.00	BEFOR	Before the Movie Inc.

Voucher: 045256 Invoice: 38302 Date: 3/1/2022 Advertising Doc Amt: $438.00
Allocations: $438.00 803-6865-0000-562 Advertising/Public Info (PI)

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $0.00 Fund 803:$438.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029526	3/24/2022	$2,449.54	BENCA	Ben Caputo Printing Company

Voucher: 045389 Invoice: 40639 Date: 3/15/2022 Printing Service Doc Amt: $2,449.54
Allocations: $2,449.54 803-6865-0000-562 Advertising/Public Info (PI)

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $0.00 Fund 803:$2,449.54

Payment#	Date	Check Total	Vendor ID	Vendor Name
029527	3/24/2022	$1,350.00	BENIT	Benito Link Inc.

Voucher: 045385 Invoice: 13510 Date: 2/10/2022 Ad- The Drought is Not Over Doc Amt: $1,350.00
Allocations: $1,350.00 803-6865-0000-562 Advertising/Public Info (PI)

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $0.00 Fund 803:$1,350.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029528	3/24/2022	$516.22	BRIGA	Brigantino Irrigation

Voucher:	045257	Invoice:	101044092	Date:	3/3/2022	Maintenance Supplies	Doc Amt:	$23.95
	Allocations:		$23.95	600-6320-0000-542		Supplies-TM		
Voucher:	045258	Invoice:	101044106	Date:	3/3/2022	Maintenance Supplies	Doc Amt:	$83.41
	Allocations:		$83.41	600-6320-0000-542		Supplies-TM		
Voucher:	045259	Invoice:	101044117	Date:	3/3/2022	Maintenance Supplies	Doc Amt:	$5.53
	Allocations:		$5.53	600-6320-0000-542		Supplies-TM		
Voucher:	045260	Invoice:	101043156	Date:	2/10/2022	District Supplies	Doc Amt:	$90.61
	Allocations:		$4.53	300-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$77.02	600-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$9.06	100-6320-0000-562-06		Supplies-GA 10/5/85		
Voucher:	045261	Invoice:	101043407	Date:	2/10/2022	District Supplies	Doc Amt:	$23.73
	Allocations:		$1.19	300-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$20.17	600-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$2.37	100-6320-0000-562-06		Supplies-GA 10/5/85		
Voucher:	045262	Invoice:	101043347	Date:	2/15/2022	District Supplies	Doc Amt:	$44.97
	Allocations:		$2.25	300-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$38.22	600-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$4.50	100-6320-0000-562-06		Supplies-GA 10/5/85		
Voucher:	045263	Invoice:	101043165	Date:	2/10/2022	District Supplies	Doc Amt:	$42.61
	Allocations:		$2.13	300-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$36.22	600-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$4.26	100-6320-0000-562-06		Supplies-GA 10/5/85		
Voucher:	045351	Invoice:	101044300	Date:	3/8/2022	Maintenance Supplies	Doc Amt:	$55.23
	Allocations:		$55.23	600-6320-0000-542		Supplies-TM		
Voucher:	045352	Invoice:	101044345	Date:	3/9/2022	Maintenance Supplies	Doc Amt:	$146.18
	Allocations:		$146.18	600-6320-0000-542		Supplies-TM		

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $20.19 Fund 300: $10.10 Fund 600: $485.93
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029529	3/24/2022	$220.00	CCOIG	C.C.O.I. Gate & Fence

Voucher:	045339	Invoice:	3652116999	Date:	3/1/2022	Maintenance SJR Gate	Doc Amt:	$95.00

Allocations: $95.00 600-6275-0000-542 CS-Maintenance-TM

Voucher: 045370 Invoice: 3652117171 Date: 3/7/2022 Maintenance SJR Gate Doc Amt: $125.00
Allocations: $125.00 600-6275-0000-542 CS-Maintenance-TM

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $220.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029530	3/24/2022	$195.00	CELLU	Cellular Controlled Products

Voucher: 045335 Invoice: 40541 Date: 3/1/2022 Quarterly Service Doc Amt: $195.00
Allocations: $195.00 600-6270-0000-541 CS-Operations-TO

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $195.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029531	3/24/2022	$358.80	CINTA	Cintas Corporation

Voucher: 045265 Invoice: 4110739340 Date: 2/15/2022 Weekly Service Doc Amt: $89.70
Allocations: $8.97 100-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $4.49 300-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $76.25 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 045266 Invoice: 4111434632 Date: 2/22/2022 Weekly Service Doc Amt: $89.70
Allocations: $8.97 100-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $4.49 300-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $76.25 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 045267 Invoice: 4112083976 Date: 3/1/2022 Weekly Service Doc Amt: $89.70
Allocations: $8.97 100-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $4.49 300-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $76.25 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 045268 Invoice: 4112751305 Date: 3/8/2022 Weekly Service Doc Amt: $89.70
Allocations: $8.97 100-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $4.49 300-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $76.25 600-6275-0000-563-06 CS-Maint 10/5/85

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $35.88 Fund 300: $17.94 Fund 600: $304.98
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029532	3/24/2022	$1,770.00	CMANA	CM Analytical, Inc.

Voucher: 045274 Invoice: 77863 Date: 2/4/2022 Water Quality Testing Doc Amt: $590.00
Allocations: $240.00 600-6270-0000-541 CS-Operations-TO

Allocations: $315.00 600-6270-0135-511 CS Ops-Water Quality Grwtr-SSO

Allocations: $35.00 300-6270-0135-511 CS-Ops-Water Quality Groundwater-SSO

Voucher: 045417 Invoice: 77994 Date: 3/11/2022 Water Quality Testing Doc Amt: $1,180.00
Allocations: $1,060.00 600-6270-0000-541 CS-Operations-TO

Allocations: $120.00 600-6270-0604-541 CS Operations Recycled Water Project

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $35.00 Fund 600: $1,735.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029533	3/24/2022	$1,632.96	CVPWA	Central Valley Project Water Assn

Voucher: 045264 Invoice: 013122 Date: 1/31/2022 2022 Annual Membership Dues Doc Amt: $1,632.96
Allocations: $1,632.96 600-6820-0000-562 Dues and Fee

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $1,632.96
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029534	3/24/2022	$3,875.54	DASSE	Dassel's Petroleum, Inc.

Voucher: 045275 Invoice: 022822 Date: 2/28/2022 Monthly Fuel Bill Doc Amt: $3,875.54
Allocations: $127.92 300-6465-0000-562 Vehicle Fuel-GA

Allocations: $7.86 100-6465-0000-562 Vehicle Fuel-GA

Allocations: $248.80 803-6465-0000-562 Vehicle Fuel

Allocations: $3,490.96 600-6465-0000-562 Vehicle Fuel-GA

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $7.86 Fund 300: $127.92 Fund 600: $3,490.96
Fund 700: $0.00 Fund 803:$248.80

Payment#	Date	Check Total	Vendor ID	Vendor Name
029535	3/24/2022	$425.48	DATAF	Dataflow Business Systems, Inc

Voucher: 045276 Invoice: 328759 Date: 3/7/2022 Copier Lease Doc Amt: $425.48
Allocations: $16.80 100-6450-0000-562-06 Tool & Equipment Rental GA 10/5/85
Allocations: $8.40 300-6450-0000-562-06 Tool & Equipment Rental GA 10/5/85
Allocations: $142.77 600-6450-0000-562-06 Tool & Equipment Rental GA 10/5/85

Allocations: $25.75 100-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $12.88 300-6275-0000-563-06 CS-Maint 10/5/85
Allocations: $218.89 600-6275-0000-563-06 CS-Maint 10/5/85

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $42.55 Fund 300: $21.27 Fund 600: $361.66
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029536	3/24/2022	$60.00	EBCO	EBCO Pest Control

Voucher: 045373 Invoice: 16519 Date: 3/5/2022 Monthly Pest Control Doc Amt: $60.00

Allocations:	$6.00	100-6275-0000-563-06	CS-Maint 10/5/85
Allocations:	$3.00	300-6275-0000-563-06	CS-Maint 10/5/85
Allocations:	$51.00	600-6275-0000-563-06	CS-Maint 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $6.00 Fund 300: $3.00 Fund 600: $51.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029537	3/24/2022	$194.28	EDGES	Edges Electrical Group

Voucher: 045277 Invoice: S5500720.001 Date: 3/1/2022 Electrical Supplies Doc Amt: $194.28

Allocations:	$9.71	300-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$165.14	600-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$19.43	100-6320-0000-562-06	Supplies-GA 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $19.43 Fund 300: $9.71 Fund 600: $165.14
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029538	3/24/2022	$9,035.02	ELCCO	ELC Consulting

Voucher: 045269 Invoice: 7555 Date: 3/1/2022 Monthly Service Agreement Doc Amt: $1,480.00

Allocations:	$790.00	600-6260-0603-531	CS Computer - West Hills WTP
Allocations:	$690.00	600-6260-0602-531	CS Computer - Lessalt WTP

Voucher: 045270 Invoice: 7517 Date: 2/24/2022 Maintenance Supplies Doc Amt: $390.41

Allocations:	$390.41	600-6440-0602-532	Equipment Purchase-Lessalt Treatment Plant

Voucher: 045271 Invoice: 7520 Date: 2/23/2022 Office Supplies Doc Amt: $27.73

Allocations:	$23.57	600-6835-0000-562-06	Office Supplies 10/5/85 GA
Allocations:	$1.39	300-6835-0000-562-06	Office Supplies 10/5/85 GA
Allocations:	$2.77	100-6835-0000-562-06	Office Supplies 10/5/85 GA

Voucher: 045272 Invoice: 7554 Date: 3/1/2022 Monthly Service Agreement Doc Amt: $6,897.00

Allocations:	$659.70	100-6260-0000-563-06	CS-Computer (10/5/85)
Allocations:	$329.85	300-6260-0000-563-06	CS-Computer (10/5/85)
Allocations:	$5,607.45	600-6260-0000-563-06	CS-Computer (10/5/85)
Allocations:	$30.00	100-6260-0000-563-06	CS-Computer (10/5/85)
Allocations:	$15.00	300-6260-0000-563-06	CS-Computer (10/5/85)
Allocations:	$255.00	600-6260-0000-563-06	CS-Computer (10/5/85)

Voucher: 045273 Invoice: 7569 Date: 3/4/2022 Website Security Renewal Doc Amt: $239.88

Allocations:	$239.88	803-6260-0000-563	CS - Computers

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $692.47 Fund 300: $346.24 Fund 600: $7,756.43
Fund 700: $0.00 Fund 803:$239.88

Payment#	Date	Check Total	Vendor ID	Vendor Name
029539	3/24/2022	$4,455.00	ELLRO	Robert H. Ellis, PE

Voucher: 045316 Invoice: 030422 Date: 3/4/2022 Consulting Services Doc Amt: $4,455.00
Allocations: $4,455.00 600-1351-0216-151 Water Supply Master Plan Update-District only

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $4,455.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029540	3/24/2022	$865.79	FASTE	Fastenal Company

Voucher: 045278 Invoice: CAHOS54734 Date: 2/11/2022 Maintenance Supply Doc Amt: $35.36
Allocations: $35.36 600-6337-0918-551 Meters-Downsizing parts/repair supply

Voucher: 045279 Invoice: CAHOS54835 Date: 2/18/2022 Maintenance Supply Doc Amt: $394.94
Allocations: $394.94 600-6320-0000-542 Supplies-TM

Voucher: 045280 Invoice: CAHOS54836 Date: 2/18/2022 Maintenance Supply Doc Amt: $40.55
Allocations: $40.55 600-6482-0000-562 Equipment Maintenance-Heavy

Voucher: 045281 Invoice: CAHOS54948 Date: 2/25/2022 Maintenance Supply Doc Amt: $394.94
Allocations: $394.94 600-6320-0000-542 Supplies-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $865.79
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029541	3/24/2022	$12,005.85	GMESU	GME Supply Company

Voucher: 045282 Invoice: 5884955 Date: 2/3/2022 Safety Equipment Doc Amt: $12,005.85
Allocations: $4,180.98 600-6440-0000-542 Equipment Purchase-TM

Allocations: $7,824.87 600-6440-0000-542 Equipment Purchase-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $12,005.85
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029542	3/24/2022	$387.82	GRAIN	GRAINGER

Voucher: 045384 Invoice: 9206179088 Date: 2/9/2022 Maintenance Supplies Doc Amt: $387.82
Allocations: $387.82 600-6320-0000-542 Supplies-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $387.82
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029543	3/24/2022	$6,363.85	GROSS	Grossmayer & Associates

Voucher:	045283	Invoice:	IVC3370	Date:	2/18/2022	Annual Support Plan- GP	Doc Amt: $5,823.85
	Allocations:	$582.39	100-6260-0000-563-06	CS-Computer (10/5/85)			
	Allocations:	$291.19	300-6260-0000-563-06	CS-Computer (10/5/85)			
	Allocations:	$4,950.27	600-6260-0000-563-06	CS-Computer (10/5/85)			
Voucher:	045420	Invoice:	IVC3377	Date:	3/16/2022	Consulting Services	Doc Amt: $540.00
	Allocations:	$54.00	100-6260-0000-563-06	CS-Computer (10/5/85)			
	Allocations:	$27.00	300-6260-0000-563-06	CS-Computer (10/5/85)			
	Allocations:	$459.00	600-6260-0000-563-06	CS-Computer (10/5/85)			

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $636.39 Fund 300: $318.19 Fund 600: $5,409.27
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029544	3/24/2022	$2,136.75	GUTIE	Gutierrez Consultants

Voucher:	045284	Invoice:	1660	Date:	2/23/2022	Consulting Services	Doc Amt: $259.00
	Allocations:	$259.00	600-6291-0214-511	CS IRWMP Implementation grant			
Voucher:	045285	Invoice:	1661	Date:	2/23/2022	Consulting Services	Doc Amt: $971.25
	Allocations:	$971.25	700-1351-0221-151	GSA-Grdwtr Mgmt Plan			
Voucher:	045396	Invoice:	1670	Date:	3/9/2022	Consulting Services	Doc Amt: $647.50
	Allocations:	$647.50	700-1351-0221-151	GSA-Grdwtr Mgmt Plan			
Voucher:	045397	Invoice:	1671	Date:	3/9/2022	Consulting Services	Doc Amt: $259.00
	Allocations:	$259.00	600-6291-0214-511	CS IRWMP Implementation grant			

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $518.00
Fund 700: $1,618.75 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029545	3/24/2022	$600.00	HANSE	Hanson Crane Service

Voucher:	045390	Invoice:	3287	Date:	3/9/2022	Crane Service	Doc Amt: $600.00
	Allocations:	$600.00	600-6275-0000-522	CS-Maintenance-PM			

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $600.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029546	3/24/2022	$526.79	HAUTO	Hollister Auto Parts, Inc.

Voucher: 045303 Invoice: 878492 Date: 2/22/2022 Maintenance Supplies Doc Amt: $139.27
Allocations: $139.27 600-6320-0000-542 Supplies-TM

Voucher: 045304 Invoice: 878990 Date: 2/25/2022 Equipment Maintenance- Tractor Doc Amt: $99.20
Allocations: $99.20 600-6482-0000-562 Equipment Maintenance-Heavy

Voucher: 045382 Invoice: 880673 Date: 3/11/2022 Equipment Maintenance- Tractor Doc Amt: $288.32
Allocations: $288.32 600-6482-0000-562 Equipment Maintenance-Heavy

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $526.79
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029547	3/24/2022	$106,112.05	HDRENG	HDR Engineering Inc.

Voucher: 045286 Invoice: 1200410678 Date: 2/18/2022 Engineering Services Doc Amt: $13,048.00
Allocations: $13,048.00 600-1351-0227-151 San Juan Water-Wastewater Master Plan

Voucher: 045287 Invoice: 1200410685 Date: 2/18/2022 Engineering Services Doc Amt: $17,170.00
Allocations: $17,170.00 600-1351-0216-151 Water Supply Master Plan Update-District only

Voucher: 045414 Invoice: 1200417870 Date: 3/18/2022 Engineering Services Doc Amt: $62,324.55
Allocations: $62,324.55 600-1351-0227-151 San Juan Water-Wastewater Master Plan

Voucher: 045415 Invoice: 1200417807 Date: 3/18/2022 Engineering Services Doc Amt: $9,902.00
Allocations: $9,902.00 600-1351-0216-151 Water Supply Master Plan Update-District only

Voucher: 045416 Invoice: 1200417423 Date: 3/16/2022 Engineering Services Doc Amt: $3,667.50
Allocations: $3,667.50 600-1351-0226-151 Water Supply Evaluation

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $106,112.05
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029548	3/24/2022	$53,875.08	ICONI	ICONIX Waterworks Inc.

Voucher: 045341 Invoice: U2216009817 Date: 3/4/2022 Maintenance Supplies Doc Amt: $522.00
Allocations: $522.00 600-6320-0000-542 Supplies-TM

Voucher: 045343 Invoice: U2216007300 Date: 2/17/2022 Maintenance Supplies Doc Amt: $1,215.28
Allocations: $1,215.28 600-6320-0920-542 Supplies-TM - Subsystem Breaks

Voucher: 045354 Invoice: U2216009819 Date: 3/4/2022 Maintenance Supplies Doc Amt: $2,645.85
Allocations: $2,645.85 600-6320-0000-542 Supplies-TM

Voucher: 045356 Invoice: U2216009230 Date: 3/2/2022 Maintenance Supplies Doc Amt: $2,440.61
Allocations: $2,440.61 600-6320-0000-542 Supplies-TM

Voucher:	045357	Invoice:	U2216009238	Date:	3/2/2022	Maintenance Supplies	Doc Amt:	$5,382.66
	Allocations:		$5,382.66	600-6320-0000-542		Supplies-TM		
Voucher:	045358	Invoice:	U2216010122	Date:	3/8/2022	Maintenance Valves	Doc Amt:	$70,744.23
	Allocations:		$70,744.23	600-1432-0000-110		TDS Structures & Improvements		
Voucher:	045361	Invoice:	CMU2215000861	Date:	3/8/2022	Maintenance Valves	Doc Amt:	-$35,188.64
	Allocations:		-$35,188.64	600-1432-0000-110		TDS Structures & Improvements		
Voucher:	045387	Invoice:	U2216010349	Date:	3/9/2022	Maintenance Supplies	Doc Amt:	$617.77
	Allocations:		$617.77	600-6320-0920-542		Supplies-TM - Subsystem Breaks		
Voucher:	045388	Invoice:	U2216011099	Date:	3/13/2022	Maintenance Supplies	Doc Amt:	$5,495.32
	Allocations:		$5,495.32	600-6320-0920-542		Supplies-TM - Subsystem Breaks		

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $53,875.08
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029549	3/24/2022	$743.22	JOHNS	Johnson Lumber Company

Voucher:	045288	Invoice:	251520	Date:	2/10/2022	Maintenance Supplies	Doc Amt:	$85.18
	Allocations:		$85.18	600-1503-0605-125		Water Right -WWTP Storage Pond		
Voucher:	045289	Invoice:	251658	Date:	2/15/2022	District Supplies	Doc Amt:	$85.18
	Allocations:		$4.26	300-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$72.40	600-6320-0000-562-06		Supplies-GA 10/5/85		
	Allocations:		$8.52	100-6320-0000-562-06		Supplies-GA 10/5/85		
Voucher:	045290	Invoice:	251717	Date:	2/16/2022	Maintenance Supplies	Doc Amt:	$28.38
	Allocations:		$25.54	600-6320-0000-511		Supplies-SSO		
	Allocations:		$2.84	300-6320-0000-511		Supplies-SSO		
Voucher:	045291	Invoice:	251719	Date:	2/16/2022	Maintenance Supplies	Doc Amt:	$160.99
	Allocations:		$160.99	600-6320-0000-542		Supplies-TM		
Voucher:	045292	Invoice:	251738	Date:	2/17/2022	Maintenance Supplies	Doc Amt:	$50.62
	Allocations:		$50.62	600-6320-0000-542		Supplies-TM		
Voucher:	045293	Invoice:	251848	Date:	2/22/2022	District Shop Supplies	Doc Amt:	$25.31
	Allocations:		$25.31	600-6320-0000-562		Supplies-GA		
Voucher:	045294	Invoice:	251908	Date:	2/24/2022	Maintenance Supplies	Doc Amt:	$61.16
	Allocations:		$61.16	600-6320-0000-542		Supplies-TM		
Voucher:	045295	Invoice:	251935	Date:	2/24/2022	District Supplies	Doc Amt:	$16.56

Allocations:	$0.83	300-6320-0000-562-06	Supplies-GA 10/5/85		
Allocations:	$14.08	600-6320-0000-562-06	Supplies-GA 10/5/85		
Allocations:	$1.66	100-6320-0000-562-06	Supplies-GA 10/5/85		

Voucher: 045296 Invoice: 252140 Date: 3/3/2022 Engineering Supplies Doc Amt: $80.98

Allocations:	$80.98	300-6320-0000-511	Supplies-SSO

Voucher: 045297 Invoice: 252200 Date: 3/7/2022 Demo Garden Supplies Doc Amt: $10.89

Allocations:	$10.89	803-6320-0000-562	Supplies (PI)

Voucher: 045298 Invoice: 252199 Date: 3/7/2022 District Supplies Doc Amt: $32.96

Allocations:	$1.65	300-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$28.02	600-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$3.30	100-6320-0000-562-06	Supplies-GA 10/5/85

Voucher: 045299 Invoice: 252104 Date: 3/2/2022 District Supplies Doc Amt: $72.27

Allocations:	$3.61	300-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$61.43	600-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$7.23	100-6320-0000-562-06	Supplies-GA 10/5/85

Voucher: 045368 Invoice: 252367 Date: 3/11/2022 Demo Garden Supplies Doc Amt: $32.74

Allocations:	$32.74	803-6320-0000-562	Supplies (PI)

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $20.70 Fund 300: $94.17 Fund 600: $584.72
Fund 700: $0.00 Fund 803:$43.63

Payment#	Date	Check Total	Vendor ID	Vendor Name
029550	3/24/2022	$19.95	JOHNSM	John Smith Landfill

Voucher: 045338 Invoice: 01-00916931 Date: 3/10/2022 Dump Fee Doc Amt: $19.95

Allocations:	$19.95	600-6860-0000-542	Utilities-Disposal fees

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $19.95
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029551	3/24/2022	$650.00	LANDS	Landscape Design by Rosemary Bridw

Voucher: 045300 Invoice: 022422 Date: 2/24/2022 Landscape Plan Review Doc Amt: $450.00

Allocations:	$450.00	803-6240-0000-563	CS - General Consulting (Plan Cks/Rev)

Voucher: 045418 Invoice: 031822 Date: 3/18/2022 Landscape Plan Review Doc Amt: $200.00

Allocations:	$10.00	300-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$170.00	600-6240-0000-563-06	CS-Consulting GA 10/5/85
Allocations:	$20.00	100-6240-0000-563-06	CS-Consulting GA 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $20.00 Fund 300: $10.00 Fund 600: $170.00
Fund 700: $0.00 Fund 803:$450.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029552	3/24/2022	$2,079.00	LIEBE	Liebert Cassidy Whitmore, Prof Law (

Voucher: 045375 Invoice: 212534 Date: 1/31/2022 Legal Services Doc Amt: $1,224.00

Allocations:	$122.40	100-6210-0000-563-06	CS-Legal GA 10/5/85
Allocations:	$61.20	300-6210-0000-563-06	CS-Legal GA 10/5/85
Allocations:	$1,040.40	600-6210-0000-563-06	CS-Legal GA 10/5/85

Voucher: 045376 Invoice: 212085 Date: 1/31/2022 Legal Services Doc Amt: $855.00

Allocations:	$85.50	100-6210-0000-563-06	CS-Legal GA 10/5/85
Allocations:	$42.75	300-6210-0000-563-06	CS-Legal GA 10/5/85
Allocations:	$726.75	600-6210-0000-563-06	CS-Legal GA 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $207.90 Fund 300: $103.95 Fund 600: $1,767.15
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029553	3/24/2022	$1,217.26	MAGGI	Maggiora Brothers Drilling

Voucher: 045340 Invoice: 107503 Date: 2/17/2022 Contracted Service Doc Amt: $300.00

Allocations:	$300.00	600-6275-0000-522	CS-Maintenance-PM

Voucher: 045345 Invoice: 900740 Date: 3/7/2022 Contracted Maintenance Doc Amt: $917.26

Allocations:	$917.26	600-6320-0000-522	Supplies-PM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $1,217.26
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029554	3/24/2022	$241.44	MANDE	Mandego

Voucher: 045301 Invoice: 88769 Date: 2/15/2022 District Apparel Doc Amt: $241.44

Allocations:	$234.20	600-6197-0000-565-06	Personal Uniforms Field 0/3/97
Allocations:	$7.24	300-6197-0000-565-06	Personal Uniforms Field 0/3/97

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $7.24 Fund 600: $234.20
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029555	3/24/2022	$3,780.00	MCGIL	McGilloway, Ray, Brown & Kaufman

Voucher: 045302 Invoice: 2000037393 Date: 1/31/2022 Accounting Services Doc Amt: $3,780.00

Allocations:	$378.00	100-6230-0000-563-06	CS-Accounting 10/5/85
Allocations:	$189.00	300-6230-0000-563-06	CS-Accounting 10/5/85
Allocations:	$3,213.00	600-6230-0000-563-06	CS-Accounting 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $378.00 Fund 300: $189.00 Fund 600: $3,213.00
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029556	3/24/2022	$32.34	MCKIN	McKinnon Lumber, Inc.

Voucher:	045353	Invoice:	717039	Date:	3/3/2022	Maintenance Supplies	Doc Amt:	$32.34
	Allocations:		$32.34	600-6320-0000-542		Supplies-TM		

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $32.34
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029557	3/24/2022	$561.50	NEWSV	New SV Media, Inc

Voucher:	045305	Invoice:	42717	Date:	2/18/2022	Ad- The Drought is Not Over	Doc Amt:	$62.50
	Allocations:		$62.50	803-6865-0000-562		Advertising/Public Info (PI)		
Voucher:	045306	Invoice:	43156	Date:	2/25/2022	Ad- Save Our Water	Doc Amt:	$62.50
	Allocations:		$62.50	803-6865-0000-562		Advertising/Public Info (PI)		
Voucher:	045307	Invoice:	43899	Date:	3/4/2022	Ad- Save Our Water	Doc Amt:	$62.50
	Allocations:		$62.50	803-6865-0000-562		Advertising/Public Info (PI)		
Voucher:	045360	Invoice:	44346	Date:	3/11/2022	Ad- Save Our Water	Doc Amt:	$311.50
	Allocations:		$249.00	803-6865-0000-562		Advertising/Public Info (PI)		
	Allocations:		$62.50	803-6865-0000-562		Advertising/Public Info (PI)		
Voucher:	045419	Invoice:	44772	Date:	3/18/2022	Ad- Save Our Water	Doc Amt:	$62.50
	Allocations:		$62.50	803-6865-0000-562		Advertising/Public Info (PI)		

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $0.00 Fund 803:$561.50

Payment#	Date	Check Total	Vendor ID	Vendor Name
029558	3/24/2022	$417.44	PALAC	Palace Business Solutions

Voucher:	045308	Invoice:	636704-0	Date:	2/18/2022	Office Supplies	Doc Amt:	$23.79
	Allocations:		$20.22	600-6835-0000-562-06		Office Supplies 10/5/85 GA		
	Allocations:		$1.19	300-6835-0000-562-06		Office Supplies 10/5/85 GA		
	Allocations:		$2.38	100-6835-0000-562-06		Office Supplies 10/5/85 GA		
Voucher:	045309	Invoice:	637527-0	Date:	2/28/2022	Office Supplies	Doc Amt:	$116.42
	Allocations:		$98.96	600-6835-0000-562-06		Office Supplies 10/5/85 GA		
	Allocations:		$5.82	300-6835-0000-562-06		Office Supplies 10/5/85 GA		
	Allocations:		$11.64	100-6835-0000-562-06		Office Supplies 10/5/85 GA		
Voucher:	045310	Invoice:	637527-1	Date:	3/1/2022	Office Supplies	Doc Amt:	$73.71

Allocations:	$62.65	600-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$3.69	300-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$7.37	100-6835-0000-562-06	Office Supplies 10/5/85 GA	

Voucher: 045311 Invoice: 636704-1 Date: 3/2/2022 Office Supplies Doc Amt: $95.17

Allocations:	$80.89	600-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$4.76	300-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$9.52	100-6835-0000-562-06	Office Supplies 10/5/85 GA	

Voucher: 045312 Invoice: 637745-0 Date: 3/2/2022 Office Supplies Doc Amt: $21.09

Allocations:	$17.93	600-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$1.05	300-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$2.11	100-6835-0000-562-06	Office Supplies 10/5/85 GA	

Voucher: 045313 Invoice: 637773-0 Date: 3/2/2022 Office Supplies Doc Amt: $73.35

Allocations:	$62.35	600-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$3.67	300-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$7.34	100-6835-0000-562-06	Office Supplies 10/5/85 GA	

Voucher: 045314 Invoice: 637958-0 Date: 3/3/2022 Office Supplies Doc Amt: $13.91

Allocations:	$11.82	600-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$0.70	300-6835-0000-562-06	Office Supplies 10/5/85 GA	
Allocations:	$1.39	100-6835-0000-562-06	Office Supplies 10/5/85 GA	

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $41.74 Fund 300: $20.87 Fund 600: $354.82
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029559	3/24/2022	$1,657.50	PTCIN	PTC Inc.

Voucher: 045395 Invoice: 10472005 Date: 9/13/2021 SCADA Kepware License Doc Amt: $1,657.50

Allocations:	$1,657.50	600-6260-0000-563	CS-Computer-GA

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $1,657.50
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029560	3/24/2022	$4,929.18	RAFTE	Raftelis

Voucher: 045315 Invoice: 22254 Date: 2/10/2022 Consulting Services Doc Amt: $4,929.18

Allocations:	$4,929.18	600-6240-0000-551	CS-General Consulting-CA

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $4,929.18
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029561	3/24/2022	$245.00	SBCCH	SBC Chamber of Commerce

Voucher: 045317 Invoice: 11238 Date: 3/3/2022 Annual Membership Dues Doc Amt: $245.00

Allocations:	$245.00	803-6820-0000-562	Dues and Fees

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $0.00 Fund 803:$245.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029562	3/24/2022	$22.50	SBTIR	San Benito Tire

Voucher: 045319 Invoice: 1-229136 Date: 2/24/2022 Vehicle Maintenance#19 Doc Amt: $22.50
Allocations: $20.25 600-6460-0000-562 Vehicle Maintenance-GA
Allocations: $2.25 300-6460-0000-562 Vehicle Maintenance-GA

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $2.25 Fund 600: $20.25
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029563	3/24/2022	$122,841.93	SCVWD	Santa Clara Valley Water Dist

Voucher: 045318 Invoice: GN101901 Date: 2/14/2022 Oct- Dec 21 O&M Charge Doc Amt: $122,841.93
Allocations: $74,832.50 600-5500-0000-513 PW-San Felipe Reach I O&M- SantaClara
Allocations: $48,009.43 600-1503-0158-125 Reach 1 Capital Improvement Project

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $122,841.93
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029564	3/24/2022	$228,311.75	SSCWD-TP	Sunnyslope County Water District

Voucher: 045320 Invoice: 2-563 Date: 2/28/2022 Plant Operation- West Hills Doc Amt: $140,741.33
Allocations: $140,741.33 600-6270-0603-531 CS-Operations - WHTP WTP

Voucher: 045321 Invoice: 2-564 Date: 2/28/2022 Plant Operation- Lessalt Doc Amt: $87,570.42
Allocations: $87,570.42 600-6270-0602-531 CS-Operations - Lessalt WTP

Payment Responsibilities:
Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $228,311.75
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029565	3/24/2022	$27,557.25	TODDE	Todd Groundwater

Voucher: 045322 Invoice: 37653 222 Date: 2/8/2022 Engineering Services Doc Amt: $9,155.50
Allocations: $9,155.50 700-6240-0160-511 CS-Annual Grwtr Report-SSO

Voucher: 045380 Invoice: 37653 322 Date: 3/8/2022 Engineering Services Doc Amt: $13,780.50
Allocations: $13,780.50 700-6240-0160-511 CS-Annual Grwtr Report-SSO

Voucher: 045381 Invoice: 37649 322 Date: 3/8/2022 Engineering Services Doc Amt: $4,621.25
Allocations: $4,621.25 700-1351-0221-151 GSA-Grdwtr Mgmt Plan

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $0.00
Fund 700: $27,557.25 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029566	3/24/2022	$32.75	TRUEV	True Value Hardware

Voucher: 045323 Invoice: A335384 Date: 3/3/2022 Maintenance Supplies Doc Amt: $32.75

Allocations:	$32.75	600-6320-0000-542	Supplies-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $32.75
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029567	3/24/2022	$5,564.18	USBNK-CC	U.S. Bank Corporation

Voucher: 045324 Invoice: 022222SS Date: 2/22/2022 Monthly Statement Doc Amt: $84.00

Allocations:	$84.00	600-6835-0000-562	Office Supplies

Voucher: 045325 Invoice: CM022222SS Date: 2/22/2022 Monthly Statement Doc Amt: -$51.93

Allocations:	-$51.93	600-6835-0000-562	Office Supplies

Voucher: 045326 Invoice: 022222JC Date: 2/22/2022 Monthly Statement Doc Amt: $124.49

Allocations:	$79.49	600-6845-0000-562	General Business Expense GA
Allocations:	$38.25	600-6840-0000-562-06	Communication GA 10/5/85
Allocations:	$4.50	100-6840-0000-562-06	Communication GA 10/5/85
Allocations:	$2.25	300-6840-0000-562-06	Communication GA 10/5/85

Voucher: 045327 Invoice: 022222BM Date: 2/22/2022 Monthly Statement Doc Amt: $554.40

Allocations:	$68.79	600-6840-0000-562-06	Communication GA 10/5/85
Allocations:	$8.09	100-6840-0000-562-06	Communication GA 10/5/85
Allocations:	$4.05	300-6840-0000-562-06	Communication GA 10/5/85
Allocations:	$114.93	600-6195-0000-565	Training
Allocations:	$4.58	300-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$77.83	600-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$9.16	100-6320-0000-562-06	Supplies-GA 10/5/85
Allocations:	$25.76	600-6835-0000-562-06	Office Supplies 10/5/85 GA
Allocations:	$1.52	300-6835-0000-562-06	Office Supplies 10/5/85 GA
Allocations:	$3.03	100-6835-0000-562-06	Office Supplies 10/5/85 GA
Allocations:	$20.57	100-6440-0000-562-06	Office Furn/Equipment Purchase 10/5/85
Allocations:	$10.28	300-6440-0000-562-06	Office Furn/Equipment Purchase 10/5/85
Allocations:	$174.81	600-6440-0000-562-06	Office Furn/Equipment Purchase 10/5/85
Allocations:	$26.36	600-6845-0000-562-06	General Business Exp 10/5/85
Allocations:	$3.10	100-6845-0000-562-06	General Business Exp 10/5/85
Allocations:	$1.55	300-6845-0000-562-06	General Business Exp 10/5/85

Voucher:	045329	Invoice:	CM022222BM	Date:	2/22/2022	Monthly Statement	Doc Amt: -$100.00
	Allocations:	-$85.00	600-6840-0000-562-06	Communication GA 10/5/85			
	Allocations:	-$10.00	100-6840-0000-562-06	Communication GA 10/5/85			
	Allocations:	-$5.00	300-6840-0000-562-06	Communication GA 10/5/85			
Voucher:	045330	Invoice:	022222SN	Date:	2/22/2022	Monthly Statement	Doc Amt: $374.38
	Allocations:	$11.33	300-6320-0000-562-06	Supplies-GA 10/5/85			
	Allocations:	$192.69	600-6320-0000-562-06	Supplies-GA 10/5/85			
	Allocations:	$22.67	100-6320-0000-562-06	Supplies-GA 10/5/85			
	Allocations:	$27.99	803-6260-0000-563	CS - Computers			
	Allocations:	$119.70	803-6320-0000-562	Supplies (Survey)			
Voucher:	045348	Invoice:	022222DM	Date:	2/22/2022	Monthly Statement	Doc Amt: $3,044.72
	Allocations:	$41.36	600-6320-0000-562-03	Supplies - GA			
	Allocations:	$4.87	100-6320-0000-562-03	Supplies - GA			
	Allocations:	$2.43	300-6320-0000-562-03	Supplies - GA			
	Allocations:	$2,909.76	600-6320-0000-542	Supplies-TM			
	Allocations:	$73.36	600-6845-0000-562-06	General Business Exp 10/5/85			
	Allocations:	$8.63	100-6845-0000-562-06	General Business Exp 10/5/85			
	Allocations:	$4.32	300-6845-0000-562-06	General Business Exp 10/5/85			
Voucher:	045369	Invoice:	022222GH	Date:	2/22/2022	Monthly Statement	Doc Amt: $1,534.12
	Allocations:	$51.57	600-6320-0000-562	Supplies-GA			
	Allocations:	$269.54	600-6320-0000-542	Supplies-TM			
	Allocations:	$1,213.01	600-6291-0121-542	CS Prog-Hollister Conduit Corrosion-TM			

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $74.61 Fund 300: $37.31 Fund 600: $5,304.57
Fund 700: $0.00 Fund 803:$147.69

Payment#	Date	Check Total	Vendor ID	Vendor Name
029568	**3/24/2022**	**$30,967.15**	**WATT**	**Watt Electric Inc.**

Voucher:	045372	Invoice:	2012-2551	Date:	2/10/2022	Electrical Services	Doc Amt: $20,633.20
	Allocations:	$1,856.99	600-6275-0000-522	CS Maintenance-PM			
	Allocations:	$15,681.23	600-6275-0000-542	CS- Maintenance			
	Allocations:	$3,094.98	600-6275-0602-532	CS-Maintenance-WTP			
Voucher:	045386	Invoice:	2012-2561	Date:	3/11/2022	Electrical Services	Doc Amt: $10,333.95
	Allocations:	$10,333.95	600-6275-0000-542	CS- Maintenance			

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $30,967.15
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029569	3/24/2022	$165.00	WIENH	Wienhoff & Associates, Inc.

Voucher: 045374 Invoice: 104294 Date: 2/4/2022 Employee DOT Testing Doc Amt: $165.00

Allocations:	$140.25	600-6196-0000-565-06	Physical Exams/Drug Tsting 10/5/85
Allocations:	$16.50	100-6196-0000-565-06	Physical Exams/Drug Tsting 10/5/85
Allocations:	$8.25	300-6196-0000-565-06	Physical Exams/Drug Tsting 10/5/85

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $16.50 Fund 300: $8.25 Fund 600: $140.25
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029570	3/24/2022	$374.95	WRIIN	Wright Bros Industrial Supply

Voucher: 045331 Invoice: 265026 Date: 2/25/2022 District Supplies Doc Amt: $214.26

Allocations:	$214.26	600-6482-0000-562	Equipment Maintenance-Heavy

Voucher: 045332 Invoice: 264859 Date: 2/17/2022 District Supplies Doc Amt: $4.72

Allocations:	$4.01	600-6320-0000-562-03	Supplies - GA
Allocations:	$0.47	100-6320-0000-562-03	Supplies - GA
Allocations:	$0.24	300-6320-0000-562-03	Supplies - GA

Voucher: 045383 Invoice: 265447 Date: 3/11/2022 Welding Supplies Doc Amt: $155.97

Allocations:	$155.97	600-6320-0000-542	Supplies-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.47 Fund 300: $0.24 Fund 600: $374.24
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029571	3/24/2022	$577.60	WRIWE	Wright Bros Welding

Voucher: 045371 Invoice: 52189 Date: 2/25/2022 Welding Services Doc Amt: $577.60

Allocations:	$577.60	600-6275-0000-542	CS-Maintenance-TM

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $0.00 Fund 600: $577.60
Fund 700: $0.00 Fund 803:$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
029572	3/24/2022	$4,549.75	ZEIAL	Alan Zeisbrich

Voucher: 045333 Invoice: 2-2022 Date: 2/28/2022 Contract Services Doc Amt: $2,706.00

Allocations:	$225.50	300-6240-0000-563	CS-General Consulting-GA
Allocations:	$2,029.50	600-6240-0000-563	CS-General Consulting-GA
Allocations:	$225.50	600-6240-0602-563	CS-General Consulting WTP -GA
Allocations:	$225.50	600-6240-0603-563	CS-General Consulting WTP -GA

Voucher: 045334 Invoice: 2-2022P Date: 2/28/2022 Contract Services Doc Amt: $1,843.75

Allocations:	$405.62	600-1503-0158-125	Reach 1 Capital Improvement Project

Allocations: $1,438.13 600-1503-0158-125 Reach 1 Capital Improvement Project

Payment Responsibilities:

Fund 000: $0.00 Fund 100: $0.00 Fund 300: $225.50 Fund 600: $4,324.25
Fund 700: $0.00 Fund 803:$0.00

Report Totals, Payment Fund Responsiblities

Fund 000: $0.00 **Fund 100: $5,841.15** **Fund 300: $3,398.38** **Fund 600: $639,334.23**

Fund 700:$29,176.00 **Fund 803:$6,174.04**

Fund 100 = District Administration
Fund 300 = Zone 3
Fund 600 = Zone 6
Fund 700 = Zone GSA
Fund 803 = Zone WRA

5,841.15+
3,398.38+
639,334.23+
29,176.00+
6,174.04+
005
683,923.80*+

San Benito County Water District
Agenda Transmittal

Agenda Item: 3

Meeting Date: March 30, 2022

Submitted By: Natalie Sullivan

Presented By: Jeff Cattaneo

Agenda Title: Acknowledgement of Paid Claims prior to the March 2022 Board Meeting

---

Detailed Description: This is a notification that the checks and wire transfers listed below were issued outside the normal claims process.

Payee	Check No.	Amount	For	Issued Date	Due Date
Byron-Bethany Irrigation District	055788	$6,254.93	Purchase of water from Yuba County Water Agency	2/18/22	Upon receipt
Rauch Communications	055797	$2,511.25	Succession planning	2/24/22	1/6/22
ELC Consulting	055798	$13,994.00	Contract services- computer	2/28/22	1/1/22
Wire Transfers					
San Luis & Delta-Mendota Water Authority	Wire Transfer	$ 293,609.49	Water Transfer Agreements Fees, San Felipe Delivery Costs, North of Delta water transfer	2/23/22	Various – refer to attached schedule

Financial Impact: ____X____ Yes _____No

Funding Source/ Recap:
Fiscal Year Budget as approved

Material Included for Information/Consideration:
Copy of manual check requests
Copy of payment stubs

Action Required: _____ Resolution ____X_____ Motion _____Review

Board Action

_____Resolution No.___ Motion By_____ Second By_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Reagendized_____ Date_____ No Action Taken_____

MEMORANDUM

TO: Sara Singleton or Jeff Cattaneo

FROM: Athina Frederico

DATE: February 18, 2022

Subject: Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)	Amount of Request	Disposition Method: *Return to Requestor / Federal Express / Regular Mail*
Byron-Bethany Irrigation District 7995 Bruns Road Byron, CA 94514-1625	$6,254.93	Return to Requestor
Expense Account number(s)	600-5702-0000-513-07 PW- Other- Yuba Water	
Reason for Request:	This is a request to issue payment outside of the February 2022 Board Claims. This invoice is for the purchase of water from Yuba County Water Agency. Payment is due upon receipt of invoice.	

Supporting documentation for this request:

	Is attached		Will be returned to Accounting upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Sara Singleton or Jeff Cattaneo

Date

SAN BENITO COUNTY WATER DISTRICT
P.O. BOX 899, HOLLISTER, CA 95024-0899

055788

Vendor	Account	Date		Net Amt.
BYRON	Byron-Bethany Irrigation Distric	2/18/2022	0055788	$6,254.93

Invoice	Date	Description
24020	2/11/2022	Yuba County Water Transfer

$6,254.93

Yuba County Water Transfer

Yuba County Water Transfer

MEMORANDUM

TO: Sara Singleton or Jeff Cattaneo

FROM: Athina Frederico

DATE: 2/24/22

Subject: Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)	Amount of Request	Disposition Method: *Return to Requestor / Federal Express / Regular Mail*
Rauch Communications	$2,511.25	Return to Requestor

Expense Account number(s)	000-6240-0000-000-06 CS- Consulting GA 10/5/85
Reason for Request:	Rauch Communications issued Invoice #Oct/Nov-2115 on 12/6/21 for work completed September 1 through October 31, 2021. This invoice was not received for processing by the Accounts Payable department and is now past due.

Supporting documentation for this request:

	Is attached		Will be returned to Accounting upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Sara Singleton or Jeff Cattaneo

Date 2/23/22

SAN BENITO COUNTY WATER DISTRICT
P.O. BOX 899, HOLLISTER, CA 95024-0899

055797

Vendor	Account	Date	
RAUCH	Rauch Communication Consultants	2/24/2022	0055797

Invoice	Date	Description	Net Amt.
SEPT-2112	10/15/2021	Consulting Services	$7,910.00
OCT/NOV-2115	12/6/2021	Consulting Services	$2,511.25

Consulting Services $10,421.25

MEMORANDUM

TO: Jeff Cattaneo

FROM: Sara Singleton

DATE: February 28, 2022

Subject: Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)	Amount of Request	Disposition Method: *Return to Requestor / Federal Express / Regular Mail*
ELC Consulting 5149 Lone Tree Way Antioch, CA 94531	$13,994.00	Return to Requestor
Expense Account number(s)	000-6260-0000-000-06 CS- Computer (10/5/85) 803-6260-0000-563-D1 CS- Computers (WRA)	
Reason for Request:	This is a request to issue payment outside of the ~~February~~ March 2022 Board Claims. The four listed invoices were not received by the District office. We are past due on this account, with payment due immediately. Inv #7337, $6897.00 due 1/1/2022 Inv #7338, $100.00 due 1/1/2022 Inv #7411, $6897.00 due 2/1/2022 Inv #7412, $100.00 due 2/1/2022	

Supporting documentation for this request:

	Is attached		Will be returned to Accounting upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Sara Singleton or Jeff Cattaneo

2/28/22
Date

SAN BENITO COUNTY WATER DISTRICT
P.O. BOX 899, HOLLISTER, CA 95024-0899

055798

Vendor

ELCCO	ELC Consulting	Account	Date		
Invoice	Date	Description	2/28/2022	0055798	
					Net Amt.
7337	12/1/2021	Monthly Service Agreement			$6,897.00
7338	12/1/2021	Monthly Service Agreement			$100.00
7411	1/1/2022	Monthly Service Agreement			$6,897.00
7412	1/1/2022	Monthly Service Agreement			$100.00

Monthly Service Agreement $13,994.00

Wire Transfer Requested **2/22/2022** Release date ***2/23/2022***

Vendor	Invoice Date	Invoice no.	Description	GL Account no.	Amount	Due Date
San Luis Delta Mendota Water Authority	2/2/2022	MH271	Yuba County Water Transfer 2021	600-5702-0000-513-07	$ 291,284.50	2/23/2022
San Luis Delta Mendota Water Authority	2/9/2022	INVWA0399	SJREWCA Admin Exp December 2021	600-5601-0000-513-07	$ 33.44	2/28/2022
San Luis Delta Mendota Water Authority	2/9/2022	INVWA0407	Long Term N To S Transfer Cost (NOD Water Transfer - Admin exp December 2021)	600-5700-0000-513-07	$ 1,245.94	2/28/2022
San Luis Delta Mendota Water Authority	2/9/2022	INVWA0414	Future Water Transfer Improvement Effort - Admin Exp December 2021 (NOD Water Transfers)	600-5700-0000-513-07	$ 1,045.61	2/28/2022
				Total wire transfer	***$ 293,609.49***	

Daily wire activity total $ 293,609.49

Online entry by: _____

Date 2/22/22

Approved for release online by: _____

Date 2/22/22

UnionBank

Transfer Approval Confirmation

The following transfers have been approved.

2/22/22

Type: Domestic Wire
Debit Account: 2740029617 - SAN BENITO COUNTY WATER DISTRICT
Amount: 293,609.49
Send Date: 02/23/2022
Beneficiary Account Number: 051000463
Beneficiary Name: 1/San Luis Delta Mendota Water Auth
Payment Details: Invoice nos. MH271, INVWA0399, INVWA0407, INVWA0414

Sequence Number: 000015
Bank Control Number: UB 057984

End of Report

Agenda

Item

4

Presented To

CINDY TYLER

2012-2022

In Grateful Appreciation
For 10 Years Of Dedicated
Part-Time Service

San Benito County Water District

_____ President

_____ Manager

Agenda

Item

5

2021

SAN BENITO COUNTY WATER DISTRICT
ESTABLISHED
NOV. 3, 1953
HOLLISTER, CA

Annual Groundwater Report

TODD

NORTH SAN BENITO ANNUAL GROUNDWATER REPORT 2021

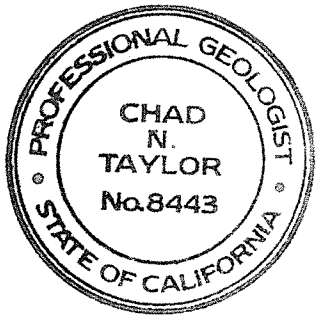
March 2022

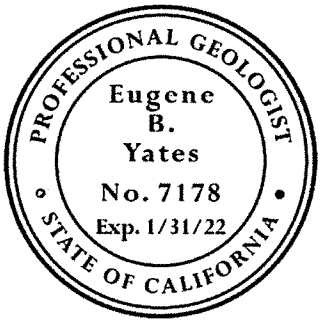
TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215
Alameda, CA 94501
510.747.6920
www.toddgroundwater.com

SIGNATURE PAGE

Iris Priestaf, PhD
President





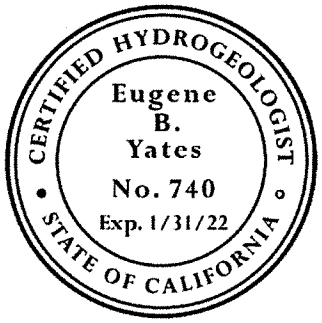


Table of Contents

List of Tables

List of Figures

Appendices (following text)

EXECUTIVE SUMMARY

This Annual Groundwater Report describes groundwater conditions in the North San Benito Basin, a subbasin of the Gilroy-Hollister Basin. Consistent with Annual Groundwater Reports prepared by the San Benito County Water District for decades, this report fulfills requirements of the 1953 San Benito County Water District Act (California Water Code Appendix 70). This Annual Groundwater Report also fulfills requirements of the 2014 Sustainable Groundwater Management Act (SGMA). In brief, this report incorporates adaptive management; it strives to maintain consistency with past Annual Reports while fulfilling requirements for SGMA Annual Reports and supporting sustainable groundwater management into the future.

SGMA requires sustainable management of priority groundwater basins and empowers local Groundwater Sustainability Agencies (GSAs) to manage groundwater resources. San Benito County Water District GSA (SBCWD GSA), in partnership with Valley Water (known as Santa Clara Valley District prior to 2019) GSA has developed a Groundwater Sustainability Plan (GSP) for the North San Benito Basin, which encompasses the historically defined Bolsa, Hollister, and San Juan Bautista Subbasins of the Gilroy-Hollister Basin and the Tres Pinos Valley Basin. The North San Benito Basin is predominantly in San Benito County with small areas in Santa Clara County.

The North San Benito GSP was developed between May 2018 and November 2022 with active outreach and public participation throughout the process. The North San Benito GSP was adopted by SBCWD on November 17, 2021 and by Valley Water GSA on December 14, 2021 and was submitted to the California Department of Water Resources (DWR) in January 2022. The 2022 GSP provides the basic information, analytical tools, and projects and management actions for continued groundwater management, guided by SGMA and by locally defined sustainability goals, objectives, and metrics.

This Annual Groundwater Report for San Benito County Water District (SBCWD or District) documents water sources and uses, groundwater elevations and storage, and management activities for Water Year 2021 and provides recommendations. This Report also details the six Sustainable Management Criteria and their respective Minimum Thresholds (MTs). While Water Year 2021 was the second year of dry conditions and was characterized by below average rainfall, below average CVP allocations, and slightly decreased groundwater storage in parts of the basin, no MTs were triggered during the water year.

The District has effectively managed water resources in San Benito County for decades. Working collaboratively with other agencies, the District has eliminated historical overdraft, developed and managed multiple sources of supply, established an effective water conservation program, protected water quality, and provided annual reporting. Water Year 2021 witnessed a continuation of these collaborative efforts and the completion of the GSP.

This Annual Report reflects the changing scope of groundwater management in the Basin and thus involves adapted methods, for example, to estimate groundwater pumping for agriculture. It builds on the GSP (which includes extensive update and application of the numerical model) and presents an estimate of groundwater pumping simulated by the numerical model. This represents a departure from previous Annual Reports and an important first step toward basin-wide and more accurate assessment of agricultural pumping. This report also describes significant improvements to monitoring and progress in expanding the local capability for managed aquifer recharge.

1-INTRODUCTION

This Annual Groundwater Report describes groundwater conditions in the North San Benito Basin, a subbasin of the Gilroy-Hollister Basin (**Figure 1-1**). Consistent with Annual Groundwater Reports prepared for decades by the San Benito County Water District (SBCWD or District), this report fulfills requirements of the 1953 San Benito County Water District Act (California Water Code Appendix 70). The District Act authorizes the Board of Directors, at its discretion, to direct staff to prepare an annual investigation and report on groundwater conditions of the District and its zones of benefit, such as Zone 6, the area for distribution of Central Valley Project (CVP) water. As documented in **Appendix A**, the District Act specifies the minimum content of the report to be prepared at the direction of the District Board of Directors. This Annual Report fulfills the requirements for a District Annual Report, including a brief Annual Groundwater Memorandum Report prepared for the January 10, 2022 meeting of the Board of Directors (in Appendix A). This Annual Report also provides information to the Board of Directors on the status of the groundwater basin, estimated conditions in the next year, and management recommendations.

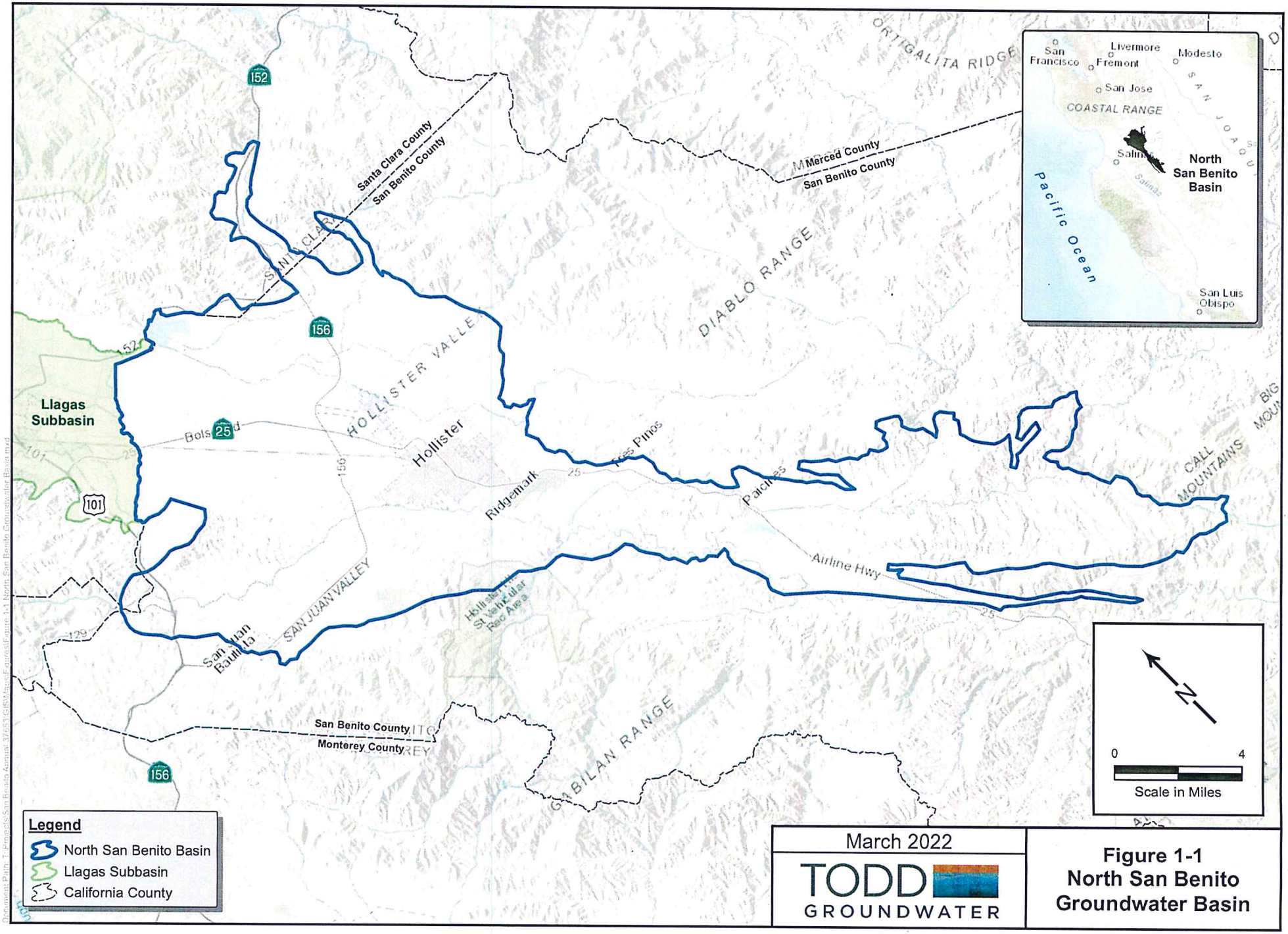
This Annual Groundwater Report fulfills requirements of the 2014 Sustainable Groundwater Management Act (SGMA). SGMA requires sustainable management of priority groundwater basins and empowers local Groundwater Sustainability Agencies (GSAs) to manage groundwater resources. San Benito County Water District GSA (SBCWD GSA), in partnership with Valley Water GSA (known as Santa Clara Valley District prior to 2019), has developed a Groundwater Sustainability Plan (GSP) for the North San Benito Basin, which encompasses the historically defined Bolsa, Hollister, and San Juan Bautista Subbasins of the Gilroy-Hollister Basin and the Tres Pinos Valley Basin. The North San Benito Basin is predominantly in San Benito County with small areas in Santa Clara County. As presented in the North San Benito Groundwater Sustainability Plan (Todd 2021), the North San Benito Groundwater Basin has been divided into four management areas, shown in **Figure 1-2**, which have been defined to facilitate implementation of the GSP.

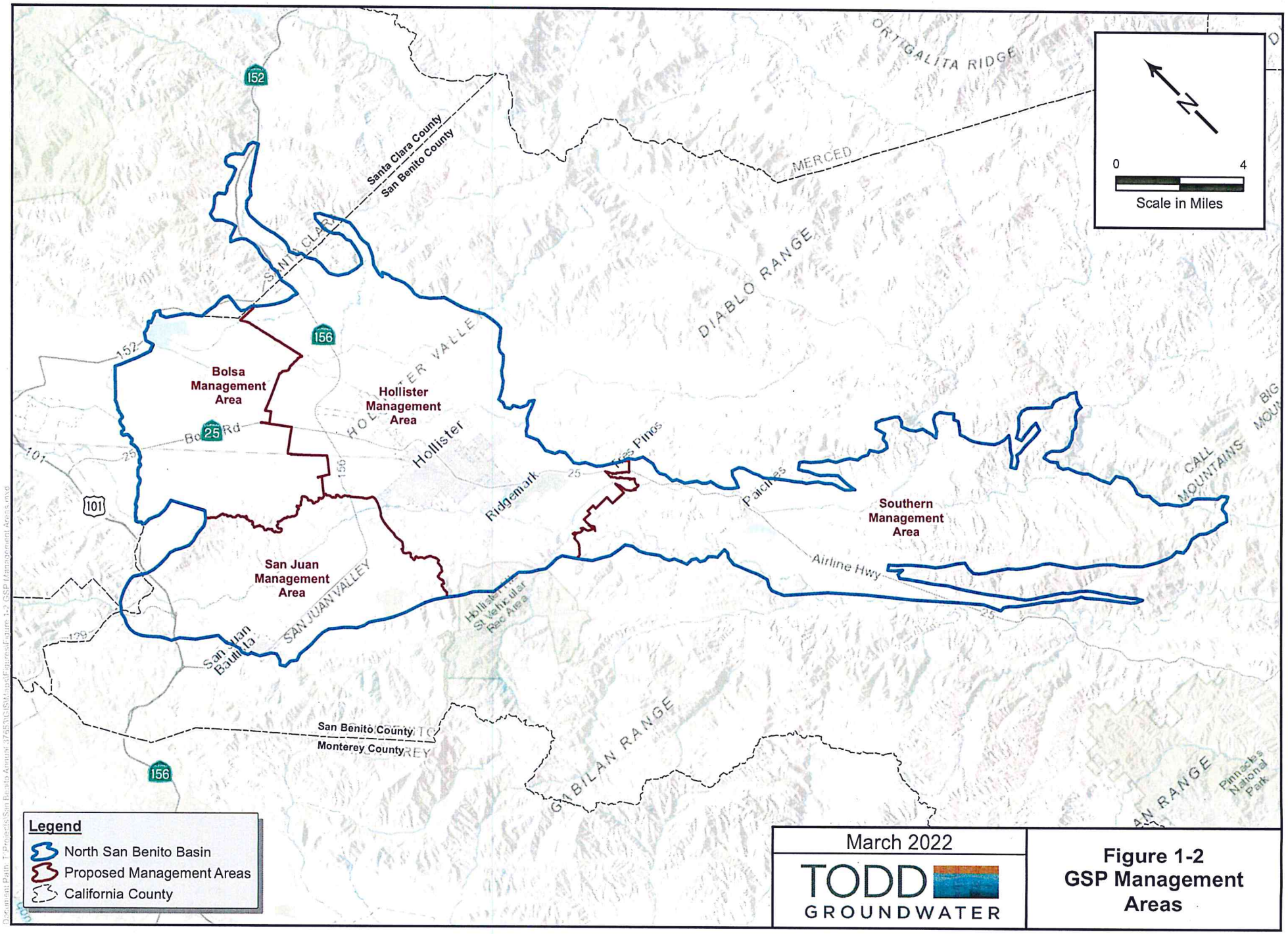
In accordance with SGMA, this Annual Report documents water supply sources and use, groundwater elevations and storage, and management activities from October 2020 through September 2021. The SGMA elements guide, detailing the required SGMA components, is included in **Appendix A**. This Annual Report conveys considerable data, including tables and figures, which are provided largely in **Appendices B through E**. **Appendix F** provides information on water rates and charges and **Appendix G** contains a list of acronyms.

The 2021 Annual Groundwater Report incorporates adaptive management; it strives to maintain consistency with past Annual Reports while fulfilling requirements for SGMA Annual Reports and supporting sustainable groundwater management into the future.

Acknowledgments

This report was prepared by Iris Priestaf, PhD, Maureen Reilly, PE, Gus Yates PG, CHG, Nicole Grimm, and Chad Taylor, PG, CHG of Todd Groundwater. We appreciate the assistance of San Benito County Water District staff, particularly Jeff Cattaneo, Sara Singleton, Garrett Haertel, and David Macdonald.


ORTIGALITA RIDGE
Santa Clara County
San Benito County
Merced County
San Benito County
DIABLO RANGE
HOLLISTER VALLEY
Llagas Subbasin
Hollister
Ridgemark
Tres Pinos
Paicines
CALL MOUNTAINS
Airline Hwy
SAN JUAN VALLEY
San Juan Bautista
Hollister Hills SVRA
San Benito County
Monterey County
GABILAN RANGE
152
156
25
101
129
Pacific Ocean
San Francisco
Livermore
Fremont
Modesto
San Jose
COASTAL RANGE
Salinas
North San Benito Basin
San Luis Obispo
0
4
Scale in Miles
Legend
North San Benito Basin
Llagas Subbasin
California County
March 2022
TODD GROUNDWATER
Figure 1-1
North San Benito Groundwater Basin


Bolsa Management Area
Hollister Management Area
San Juan Management Area
Southern Management Area
Santa Clara County
San Benito County
San Benito County
Monterey County
DIABLO RANGE
GABILAN RANGE
ORTIGALITA RIDGE
MERCED
SAN JUAN VALLEY
Hollister
Ridgemark
Paicines
Airline Hwy
Scale in Miles
0
4
Legend
North San Benito Basin
Proposed Management Areas
California County
March 2022
TODD GROUNDWATER
Figure 1-2
GSP Management Areas

2 – GEOGRAPHIC AREA

This Annual Report describes conditions in the North San Benito Basin (Basin),[1] located predominantly in San Benito County with small areas in Santa Clara County. Consistent with the North San Benito GSP, it uses groundwater basin boundaries described in DWR Bulletin 118, California's Groundwater Update 2020. These boundaries were modified from those presented in earlier versions of Bulletin 118. The most important modification (made at the request of SBCWD) was to merge the historically defined Bolsa, Hollister, and San Juan Bautista Subbasins of the Gilroy-Hollister Basin with the Tres Pinos Valley Basin to form the North San Benito Basin. In addition to Bulletin 118, the geographic areas and boundaries of local groundwater subbasins have been defined differently by SBCWD for its management purposes. The previous and current boundaries are described here to provide a bridge between previous annual reports and the current SGMA analyses and reporting.

District-Defined Subbasins

Previous Annual Reports have used subbasins delineated in 1996 and based on hydrogeologic and other local factors, notably the boundaries of District zones of benefit (see Appendix A) including Zone 6, the area of benefit for importation of Central Valley Project (CVP) water. The 1996 SBCWD-defined subbasins are shown in **Figure 2-1**. Six of these subbasins were defined within Zone 6, including Bolsa Southeast (SE), Pacheco, Hollister East (North and South), Tres Pinos, Hollister West, and San Juan subbasins. The seventh is the Bolsa subbasin, the only 1996-defined subbasin that receives no direct CVP deliveries and relies on local groundwater. In this Annual Report, the SBCWD-defined subbasins are used to report data within Management Areas defined in the 2022 North San Benito GSP.

DWR-Defined Basin

As SGMA planning has proceeded, the area of focus for the annual reports has been changing from the 1996-defined subbasins to the North San Benito Basin area outlined in Figures 1-1 and 1-2. Next year, the 2022 Annual Report will report data only on the basis of the Management Areas (MAs), shown on Figure 1-2. The four MAs were defined in the North San Benito GSP to facilitate implementation. Major factors in defining the MAs within the Basin were watersheds and particularly, availability of water sources and zones of benefit. SBCWD provides local surface water from Hernandez and Paicines reservoirs to the zone of benefit, Zone 3, and provides CVP water to Zone 6. The District-defined subbasins also used Zone 6 as a boundary and thus generally fall within MA boundaries.

[1] The official name is North San Benito Subbasin of the Gilroy Hollister Basin, DWR Basin Number 3-003.05. For this report, it is referred to as North San Benito Basin to clearly differentiate it from previous DWR-defined and SBCWD-defined subbasins. As a matter of context, **Figure C-1** in **Appendix C** shows all DWR Bulletin 118 groundwater basins that are wholly or partially in San Benito County.

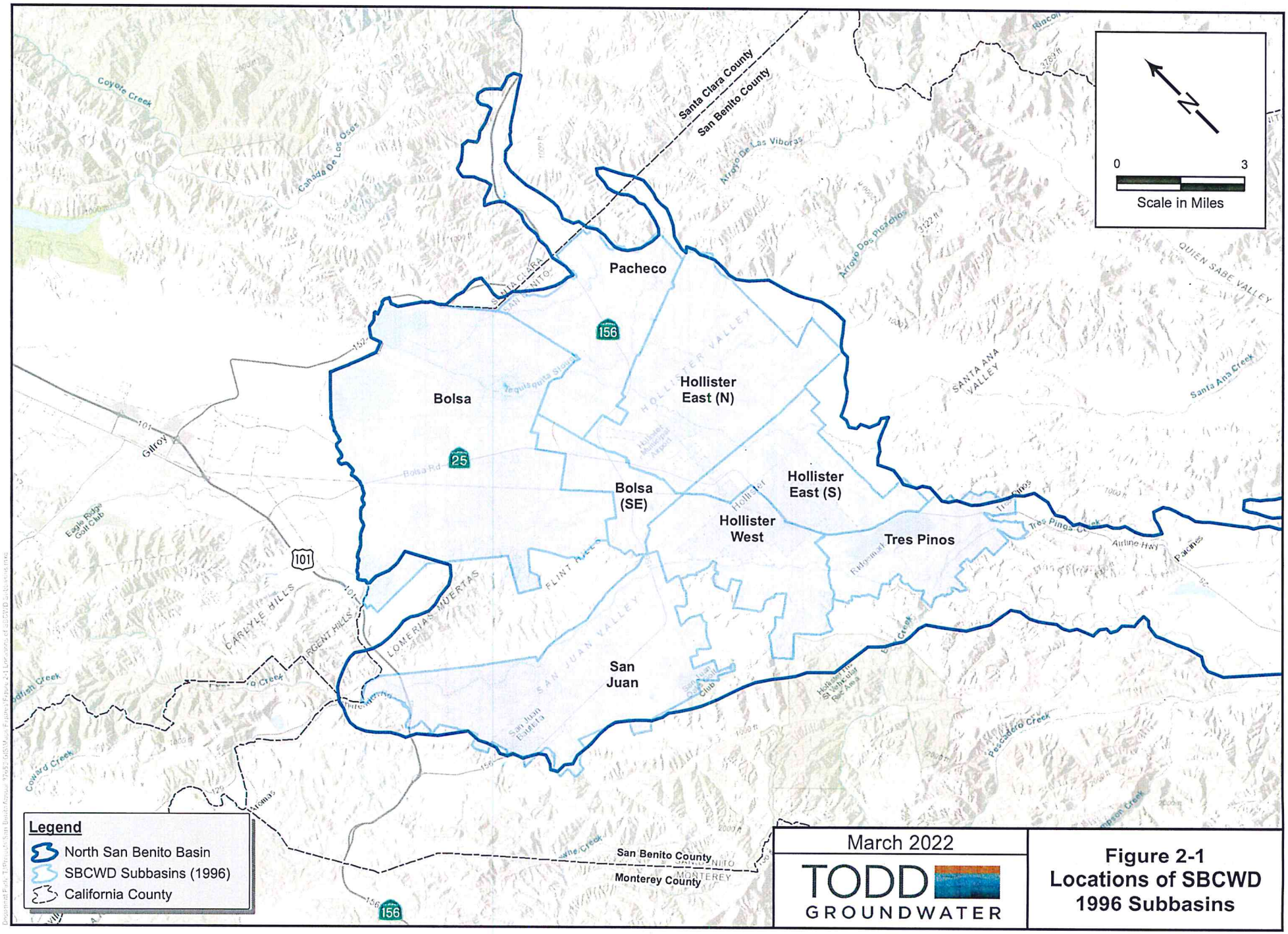


Figure 2-1
Locations of SBCWD 1996 Subbasins

2 – GEOGRAPHIC AREA

The four Management Areas are listed below with the SBCWD-defined subbasins that they generally encompass:

- Southern MA
- Hollister MA (includes Tres Pinos, Hollister East and West, Bolsa SE, Pacheco subbasins)
- San Juan MA (includes almost all District-defined San Juan subbasin)
- Bolsa MA (includes almost all District-defined Bolsa subbasin)

Hollister and San Juan MAs include portions of Zone 6; Southern and Bolsa MAs do not.

Ongoing District Monitoring Programs

Data from monitoring programs undertaken by local, state, and federal agencies are summarized below as currently incorporated in the Annual Report. The District data compilation and monitoring programs are being expanded and revised as data needs are identified through the GSP process, for example to address topics such as potential groundwater dependent ecosystems, and to represent the entire North San Benito Basin with appropriate detail.

Climate. Climate data are regularly compiled from DWR's California Irrigation Management Information System (CIMIS) and include total solar radiation, soil temperature, air temperature/relative humidity, wind direction, wind speed, and precipitation. Additional precipitation data are available from the Western Regional Climate Center (WRCC) station at Hollister from 1934-2021 (WRCC, 2021). For the Annual Groundwater Reports, historical annual precipitation data have been compiled and reported using the Hollister rain gage for the long-term precipitation and the CIMIS San Benito station for recent monthly precipitation. Monthly precipitation and evapotranspiration for the Hollister #126 CIMIS station are tabulated in **Appendix B**.

Groundwater levels. SBCWD has had a semi-annual groundwater level monitoring program since Water Year (WY) 1977; groundwater level data gathered by the United States Geological Survey (USGS) and other agencies are available as early as 1913 (Clark, 1924). The Annual Groundwater Reports provide quarterly groundwater level data in **Appendix C** for each year. The data are the basis for groundwater hydrographs and for numerical model update with preparation of groundwater level contour maps, change maps, and storage change computations. The SBCWD monitoring program includes wells in the Pacheco Valley in Santa Clara County, while Valley Water's monitoring program has provided data for the southern Llagas Subbasin; the latter shared data are important to verify groundwater flow across the Llagas-North San Benito subbasin boundary. SBCWD had previously been the designated CASGEM monitoring agency for the GSP Area but now reports water levels for SGMA Key Wells through the SGMA portal.

Water quality. In 1997, SBCWD initiated a program for monitoring nitrate and electrical conductivity (EC) in wells. In 2004, SBCWD established a comprehensive water quality database with records from all water systems and regulated facilities. State-wide sources of groundwater quality data include the Water Data Library (WDL), Geotracker/GAMA program, and the State Water Resources Control Board's

Division of Drinking Water. The SBCWD database is updated and reviewed annually with detailed triennial assessment as described in the GSP; the next assessment is planned for the Annual Report Water Year 2022. Monitoring for the Salt and Nutrient Management Plan is closely coordinated with ongoing monitoring and Annual Report updates.

Reservoirs. The Annual Report summarizes reservoir water budget information for Hernandez, Paicines, and San Justo reservoirs and provides annual total releases from Hernandez and Paicines reservoirs from Water Year 1996 to present. Reservoir storage and release data are available in **Appendix D**.

Surface water flows and percolation. Surface water monitoring and percolation amounts are summarized in **Appendix D** of the Annual Groundwater Reports. For Water Year 1994 to present, percolation of imported CVP water is documented in **Table D-3** and percolation of wastewater is shown in **Tables D-4 and D-5**. The District temporarily suspended its surface water monitoring network but plans to relaunch surface water monitoring at selected sites as part of SGMA implementation.

Wells and groundwater pumping. SBCWD has monitored groundwater pumping in Zone 6 using electrical meters. Pumping amounts are calculated semiannually by metering the number of hours of pump operation and multiplying by the average discharge rate. However, other estimates of pumping have indicated that the power meters underestimate pumping. Irrigation pumping beyond Zone 6 is not monitored but has been estimated for regular water budget updates based on land use information and water use factors. This method of estimating groundwater pumping will be replaced as part of SGMA implementation. The District is currently investigating new water use monitoring programs (like OpenET) that will address the entire GSP area and will be documented in future Annual Reports. Estimation of groundwater pumping using the numerical model by major use category and MA is described in Section 5, which also provides information on CVP use in Zone 6 and recycled water use.

Units and accuracy. Throughout this report, water volumes and changes in storage are shown to the nearest acre-foot (AF). These values are accurate to one to three significant digits (depending on the measurement). All digits are retained in the text to maintain as much accuracy as possible during subsequent calculations, but results should be rounded appropriately.

3 – BASIN CONDITIONS

The Annual Report summarizes basin conditions including climate, groundwater elevations, groundwater storage, and groundwater level trends. Overall, Water Year 2021 was characterized by below average precipitation. As documented in Section 5, the allocations of imported CVP from the U.S. Bureau of Reclamation (USBR) also have been below average over the most recent two USBR water years (March 2020-February 2021 and March 2021-February 2022).

Climate

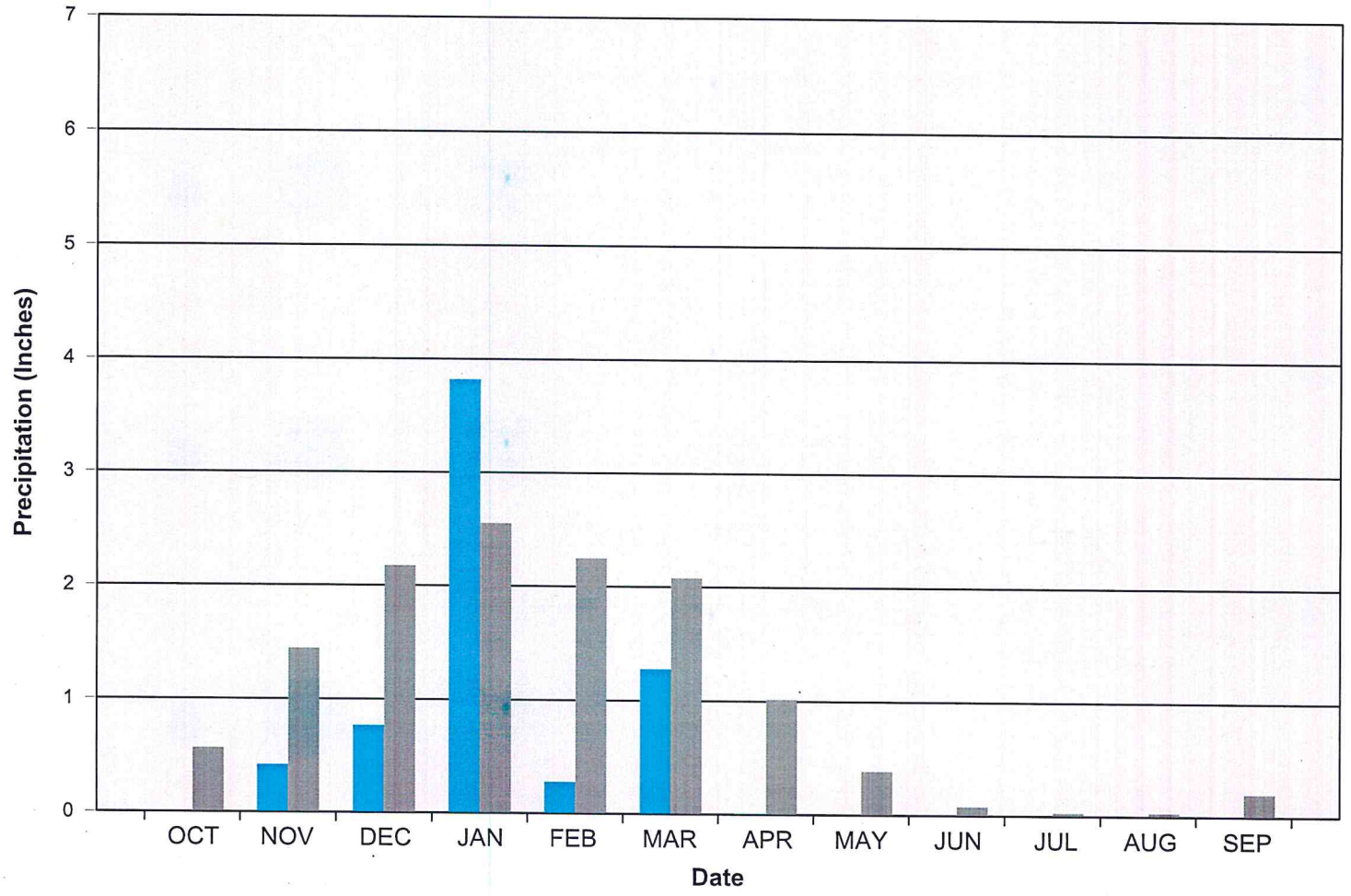
Assessment of climatic conditions begins with collection of climate data (rainfall and evapotranspiration), which are summarized in **Appendix B**. Local rainfall amounts are compiled on a monthly basis and reviewed as an increasingly variable factor that affects basin inflows (e.g., deep percolation) and outflows (groundwater pumping). Recognizing that drought often is extensive across Northern California, local dry years also may be indicative of regional drought and reduced CVP allocations. Dry years often are characterized by increased groundwater pumping for agricultural irrigation to offset lack of rainfall and CVP supply.

In 2021, overall precipitation was 6.58 inches; monthly totals are shown in **Figure 3-1.** January received higher than normal precipitation, but the rest of the months were relatively dry. Monthly rainfall and evapotranspiration data from WY 1996 to WY 2021 are presented in **Appendix B**. Water year 2021 rainfall was below normal with only 50 percent of the long-term average, as illustrated in **Figure 3-2**, which shows annual precipitation and water year type from 1976 through 2021. Precipitation data collected to date (7.2 inches) indicate that WY 2022 will also be a dry year but less dry than WY 2021.

Groundwater Elevations

In October 2021, the District collected groundwater elevations in 91 wells from their existing network and 9 additional wells from Valley Water. **Figure 3-3** shows the well locations in the current SBCWD monitoring network, and **Figures 3-4** through **3-8** show hydrographs for Key Wells in the basin. Additional information about the groundwater elevations is discussed in the water balance Section 5.

Over 2021, groundwater elevations declined slightly throughout most the basin. This is the second year of groundwater declines after a three-year period of groundwater recovery. This year's decline in groundwater storage signals continued drought conditions; groundwater levels may decline further with the reduced CVP allocations for this year and with a relatively dry winter. SBCWD should continue to implement projects that will speed recovery when water becomes available. More information is in **Appendix C.**



2021 - (6.58 in)

Average - (12.9 in)

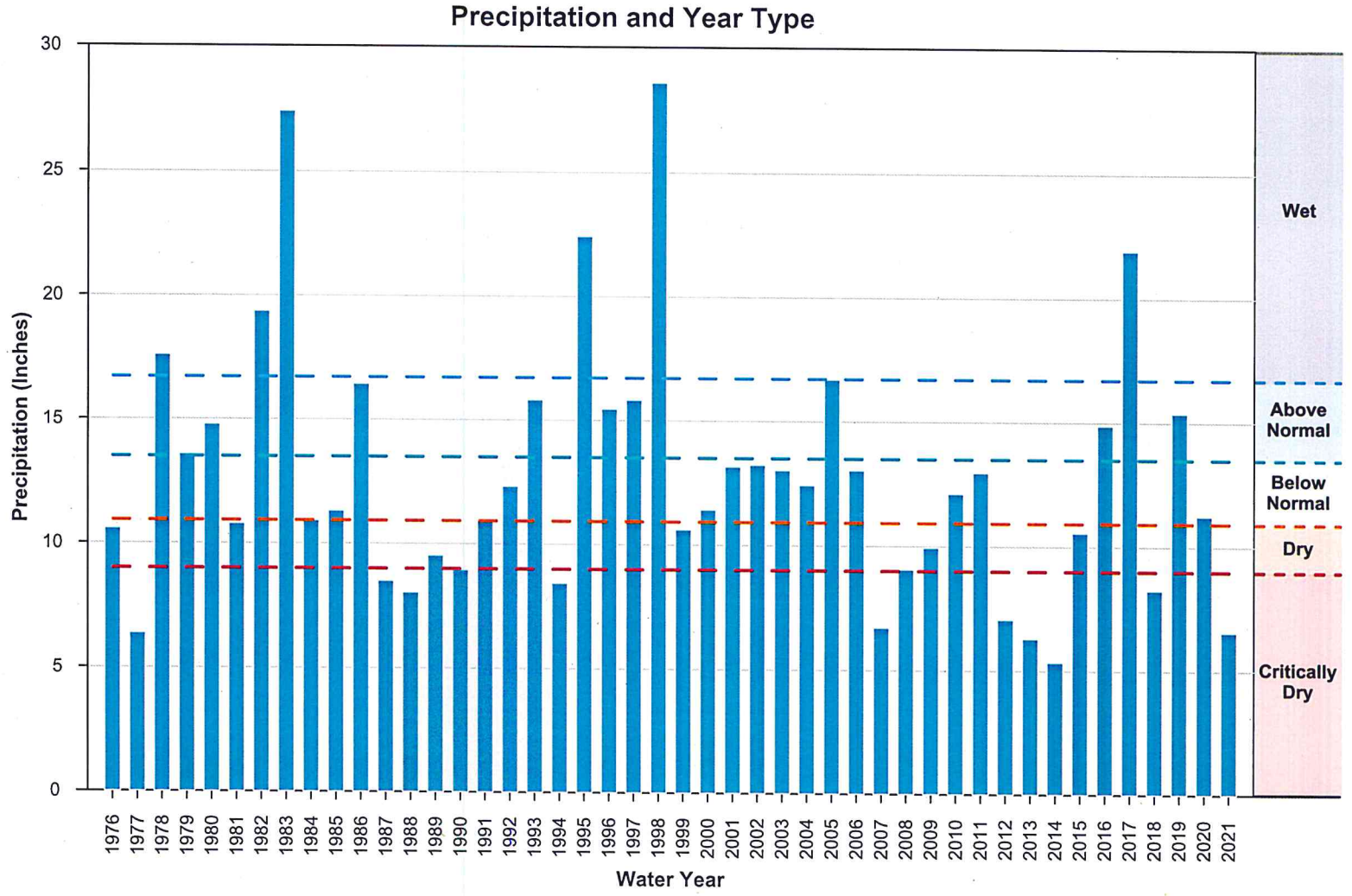
Source: CIMIS

March 2022

TODD GROUNDWATER

Figure 3-1
Water Year 2021
Precipitation

Path: T:\Projects\San Benito Annual 37653\GRAPHICS\Figure 3-1 Water Year 2021 Precipitation.gp

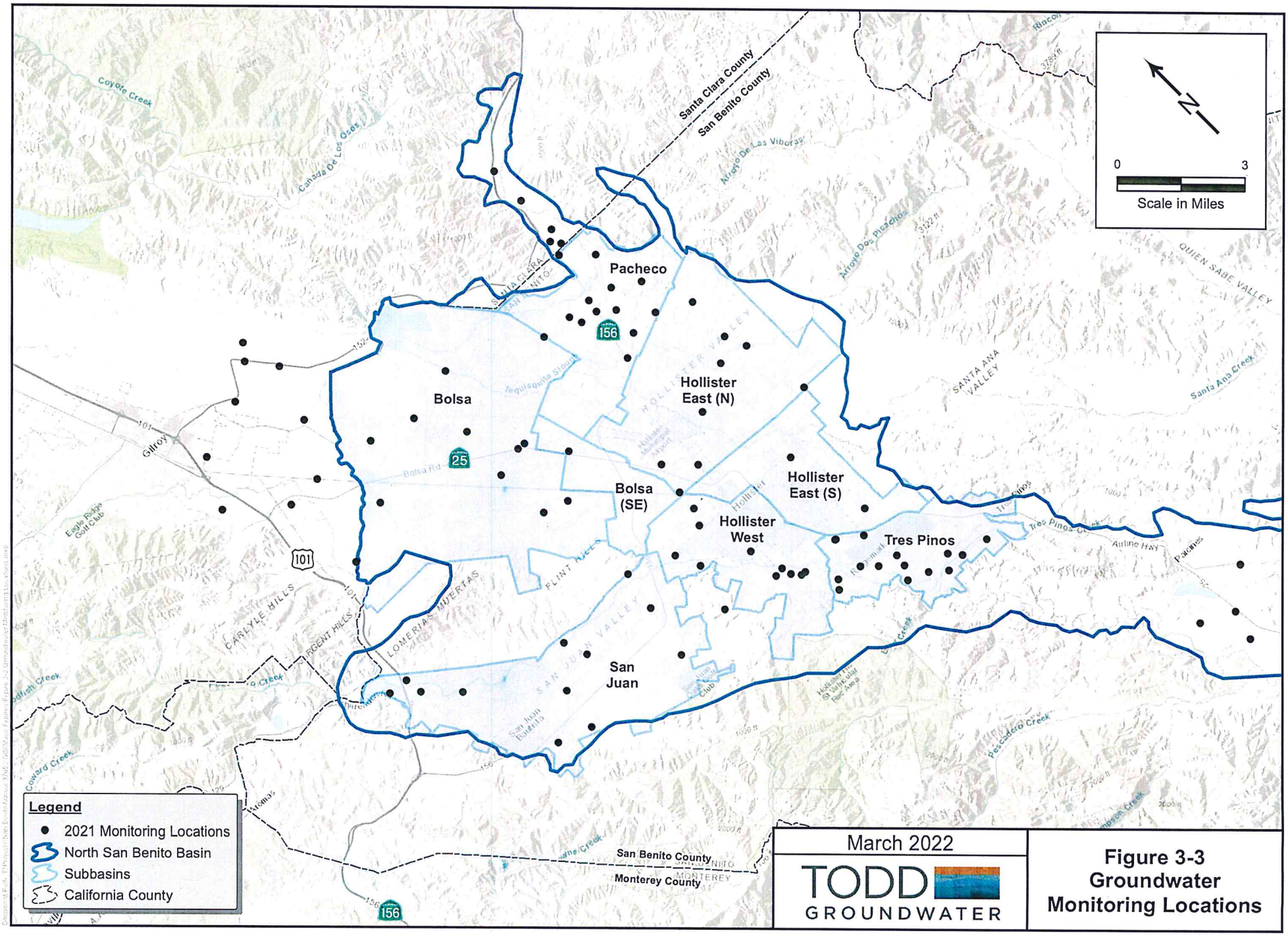


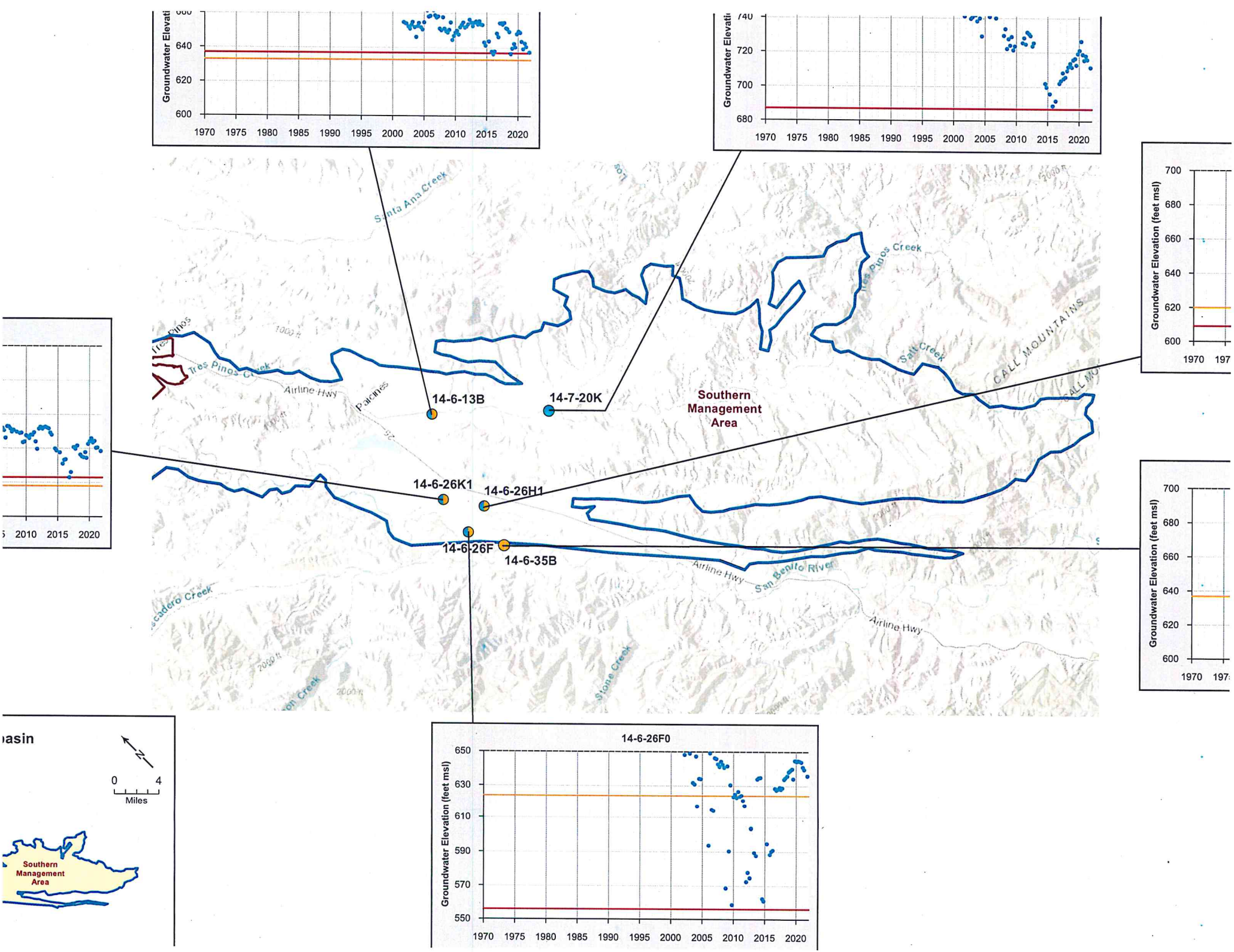
Source: WRCC Hollister 1 and Hollister 2 Stations

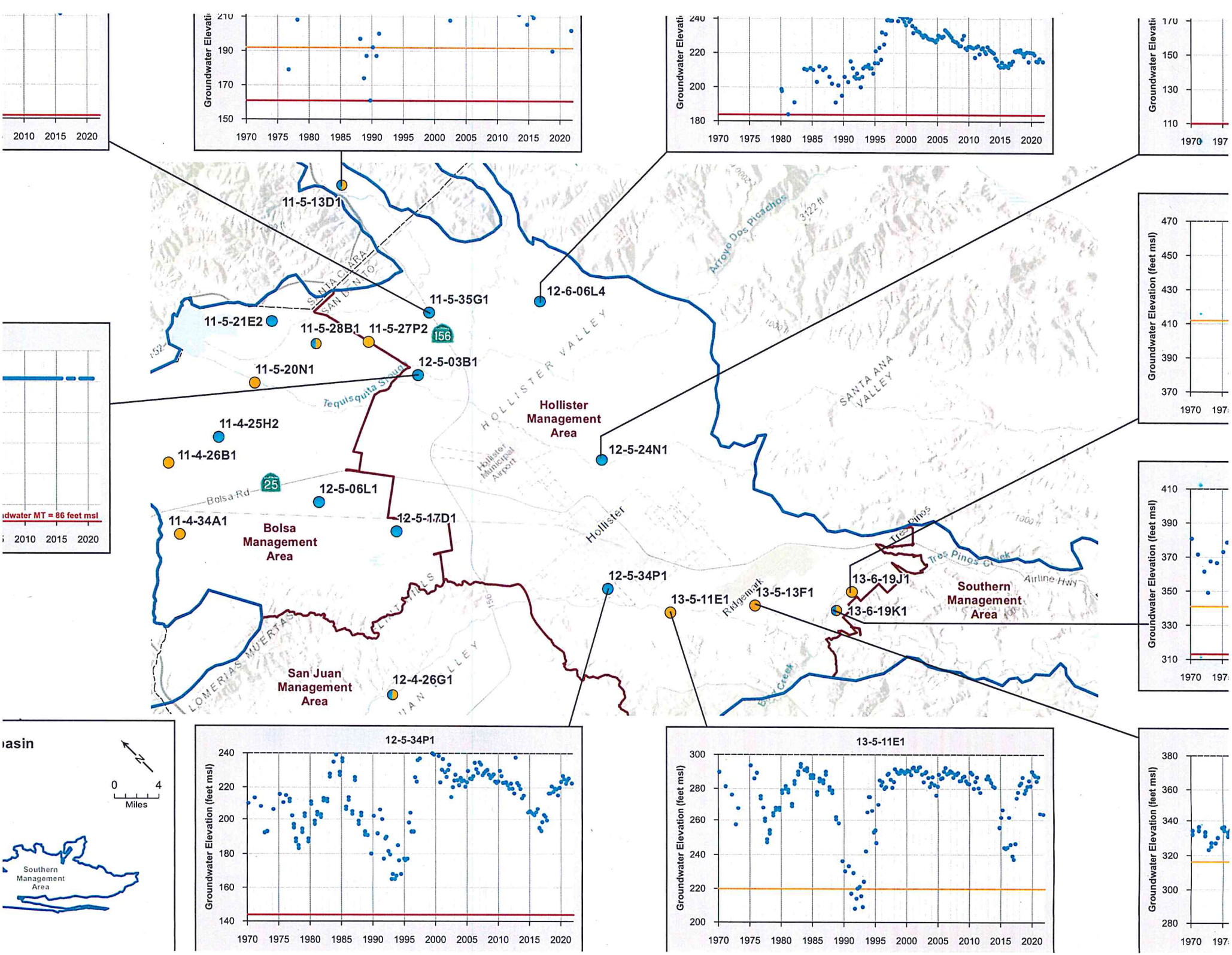
March 2022

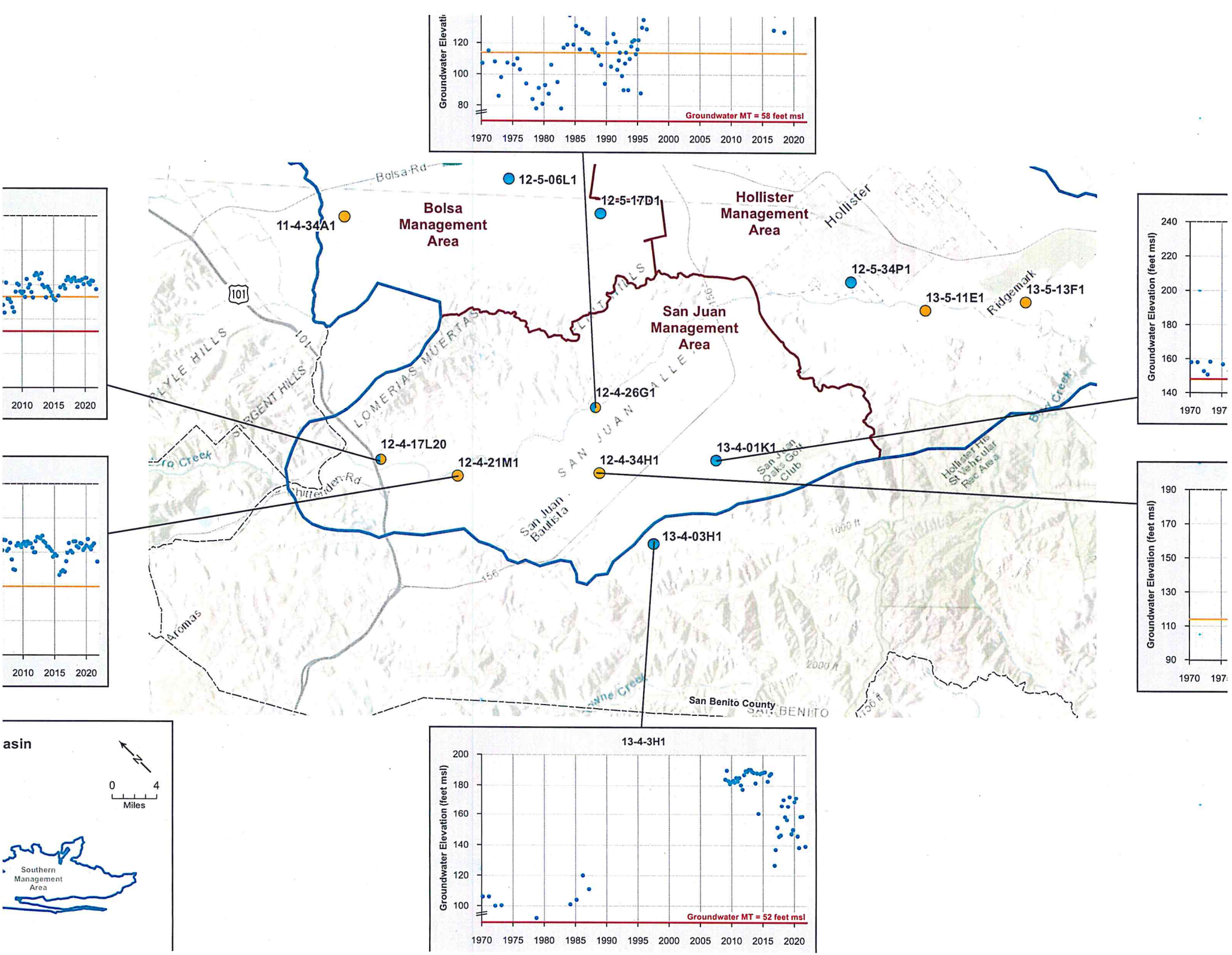
TODD GROUNDWATER

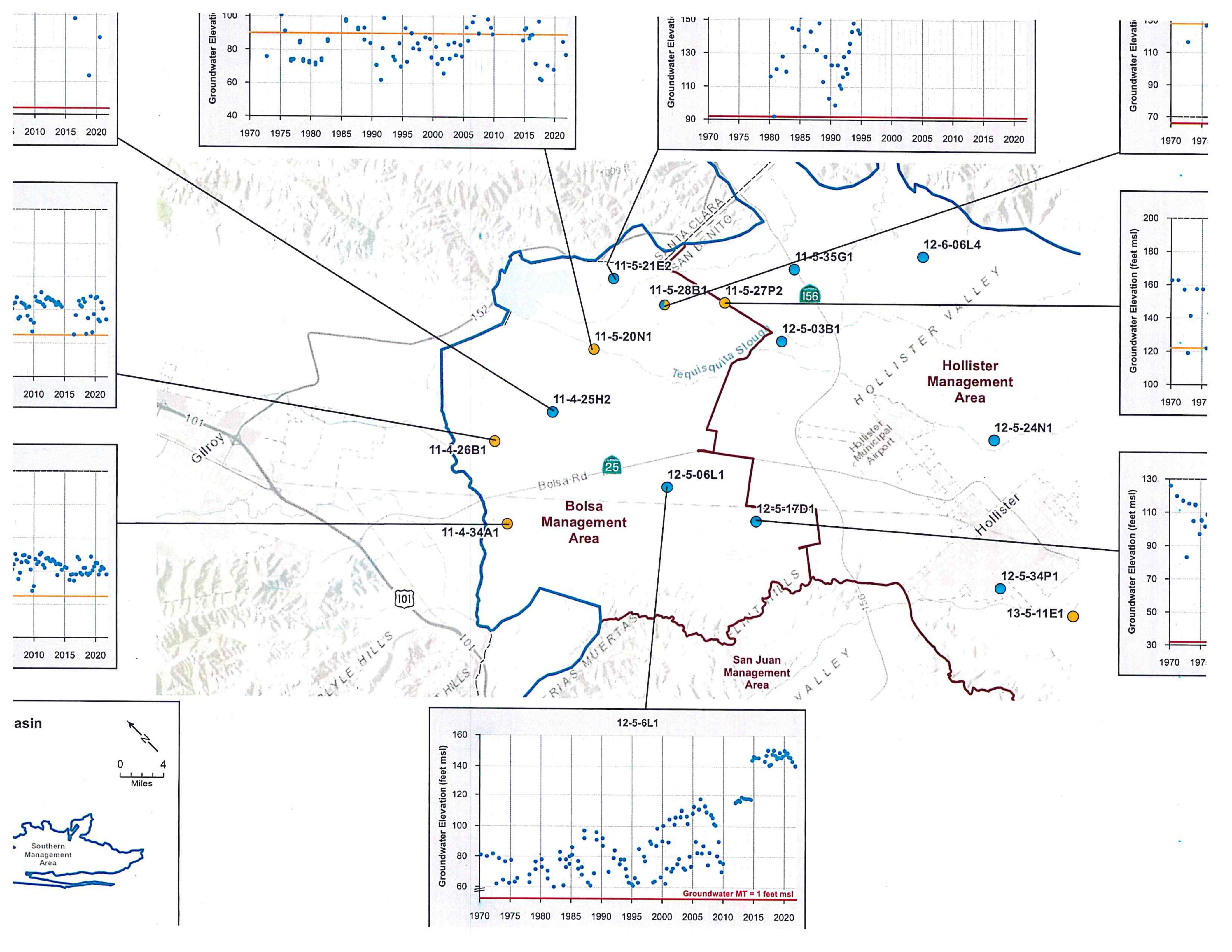
Figure 3-2
Annual Precipitation
1976-2021


Santa Clara County
San Benito County
Pacheco
Hollister East (N)
Bolsa
Bolsa (SE)
Hollister East (S)
Hollister West
Tres Pinos
San Juan
N
0
3
Scale in Miles
Legend
2021 Monitoring Locations
North San Benito Basin
Subbasins
California County
San Benito County
Monterey County
March 2022
TODD GROUNDWATER
Figure 3-3
Groundwater
Monitoring Locations


Groundwater Elevation (feet msl)
600
620
640
1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020
Groundwater Elevation (feet msl)
680
700
720
740
1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020
Groundwater Elevation (feet msl)
600
620
640
660
680
700
1970 197
2010 2015 2020
Groundwater Elevation (feet msl)
600
620
640
660
680
700
1970 197
Santa Ana Creek
Tres Pinos Creek
Airline Hwy
Paicines
Salt Creek
CALL MOUNTAINS
14-6-13B
14-7-20K
Southern Management Area
14-6-26K1
14-6-26H1
14-6-26F
14-6-35B
San Benito River
Airline Hwy
Stone Creek
Airline Hwy
14-6-26F0
Groundwater Elevation (feet msl)
550
570
590
610
630
650
1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020
asin
N
0 4
Miles
Southern Management Area


11-5-13D1
11-5-35G1
12-6-06L4
11-5-21E2
11-5-28B1
11-5-27P2
11-5-20N1
12-5-03B1
11-4-25H2
11-4-26B1
12-5-24N1
12-5-06L1
11-4-34A1
12-5-17D1
12-5-34P1
13-5-11E1
13-5-13F1
13-6-19J1
13-6-19K1
12-4-26G1
Hollister Management Area
Bolsa Management Area
San Juan Management Area
Southern Management Area
HOLLISTER VALLEY
SANTA ANA VALLEY
Arroyo Dos Picachos
Tequisquita Slough
Bolsa Rd
Hollister
Hollister Municipal Airport
Tres Pinos
Tres Pinos Creek
Ridgemark
Airline Hwy
LOMERIAS MUERTAS
SAN JUAN VALLEY
Groundwater Elevation (feet msl)
Miles
0
4


Groundwater Elevation (feet msl)
Groundwater MT = 58 feet msl
1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020
12-5-06L1
12-5-17D1
11-4-34A1
Bolsa Management Area
Hollister Management Area
Hollister
12-5-34P1
13-5-11E1
13-5-13F1
Ridgemark
San Juan Management Area
12-4-26G1
12-4-17L20
12-4-21M1
12-4-34H1
13-4-01K1
13-4-03H1
Bolsa Rd
Sargent Hills
Lomerias Muertas
San Juan Bautista
San Juan Oaks Golf Club
Hollister Hills St Vehicular Rec Area
Aromas
San Benito County
SAN BENITO
Groundwater Elevation (feet msl)
Groundwater MT = 52 feet msl
13-4-3H1
asin
0 4
Miles
Southern Management Area



Hollister Management Area
Bolsa Management Area
San Juan Management Area
Southern Management Area
asin
12-6-06L4
11-5-35G1
11-5-21E2
11-5-28B1
11-5-27P2
12-5-03B1
11-5-20N1
11-4-25H2
11-4-26B1
11-4-34A1
12-5-06L1
12-5-17D1
12-5-24N1
12-5-34P1
13-5-11E1
HOLLISTER VALLEY
Hollister Municipal Airport
Hollister
Gilroy
Bolsa Rd
Tequisquita Slough
SANTA CLARA
SAN BENITO
101
152
156
25
0 4 Miles
12-5-6L1
Groundwater Elevation (feet msl)
Groundwater MT = 1 feet msl

Groundwater Trends

Figures 3-4 through 3-7 shows hydrographs of key wells, illustrating long term groundwater elevation changes throughout the basin. As part of the GSP, a network of key wells was selected to monitor for sustainability. These wells were identified from the larger groundwater monitoring network based on length of record, location, continued monitoring, and proximity to water ways (for interconnected surface water key wells). There are 22 key wells to monitor regional groundwater levels (blue circles) and 19 key wells to monitor interconnected surface water / groundwater dependent ecosystems (orange circles). These two data sets overlap; eight wells are both groundwater level and interconnected surface water key wells (blue and orange circles)

Southern Management Area. Although the District has monitored selected wells in the Southern MA since 2001, elevation data remain limited throughout the MA. The five key wells for water levels and one key well for interconnected surface water (an additional four are key wells for levels) are shown on **Figure 3-4**. Because of topography and groundwater flow direction, water levels in the Southern MA are about 400 feet higher than those in the Hollister MA, about nine miles away. Well 14-7-20K shows that water levels reached a local maximum during 2006, decreased to a local minimum during the drought in 2013-2015, and recovered through 2019. In 2021 groundwater levels decreased slightly, but the decrease is within the range of normal fluctuations for this well. In general, the water level trend observed in 14-7-20K is similar to that of other MAs.

Hollister Management Area. As shown on **Figure 3-5,** the Hollister MA has six key wells for groundwater levels and three interconnected surface water wells (with an addition one that is also a water level well). One key well, 12-5-03B1, is a flowing artesian well under similar conditions as artesian wells in the Bolsa MA. The hydrographs for wells 11-5-35G and 12-5-24N1 exemplify the recovery experienced in the north and central portions of the MA in the 1990s and early 2000s with the introduction of CVP water for agricultural irrigation. Since then, water levels have generally plateaued, declining slightly in drought and rebounding in wet years with sufficient CVP allocation. Water levels in 2021 have maintained this generally steady trend with a slight decrease from WY 2020 that remains above historical lows. Well 12-6-06L4 near Pacheco Creek and Well 13-6-19K1 near Tres Pinos Creek show declining trends not consistent with other wells in the MA. These trends could reflect decreased stream recharge or inflow from upgradient groundwater, or locally increased pumping.

San Juan Management Area. Figure 3-6 shows the four key wells for groundwater levels and the two key wells for interconnected surface water (including two more that are also key wells for levels). Groundwater elevations peaked around 2005-2010 and groundwater elevations have continued to decline, especially in the eastern MA but remain above historical highs. When available, managed recharge at the ponds near the Hollister WRP will help in managing groundwater levels in this area. The westernmost key well 12-4-17L20 (located along the San Benito River) shows more stable groundwater elevation with levels in WY 2021 showing a slight decrease from WY2020 but remaining higher than observed during the previous drought (2015).

Bolsa Management Area. As shown on **Figure 3-7**, the Bolsa MA has five key wells for groundwater levels including two currently flowing artesian wells (11-5-21E2 and 11-5-28B1). These artesian conditions are likely due to local confined conditions created by clay layers in the northern Bolsa and Hollister MAs. Groundwater elevations increased from 1992 until about 1998, when levels were pressurized to above the ground surface. While the groundwater pressure head above the ground surface elevation may vary in artesian wells, artesian groundwater levels are challenging to measure. Consequently, all artesian wells in the San Benito are recorded as having a groundwater elevation at ground surface elevation. The Bolsa MA also contains five key wells for interconnected surface water (including one that is also a water level key well). In 2021, water levels in most of the key wells were similar to past years with the exception of 12-6-06L1, which continues to show increasing groundwater levels and nearby well 12-5-17D1, which continues to show decreasing trends. The different water level patterns and trends in these two wells could be due to differing groundwater flow conditions on either side of a splay of the Calaveras fault. Dedicated monitoring wells are being drilled in this area and the expanded monitoring program will provide additional data.

District Act Determination of Overdraft. The District Act (see **Appendix A**) requires presentation of estimates of annual overdraft for the current water year and ensuing water year. Consistent with previous Annual Reports, this would be represented by long-term groundwater level declines with accounting for rainfall conditions and CVP imports. As of 2021, groundwater elevation trends do not indicate overdraft. Recovery following the drought indicates that overdraft is not anticipated for 2020.

4-WATER BALANCE

For the GSP, a quantitative assessment of the water balance (or water budget) of the North San Benito Subbasin (or Basin) was developed, using the numerical model, and presenting estimates of inflows, outflows, and change in storage for the Management Areas (MAs). The North San Benito GSP numerical model was based on historical data for water years 1975-2017 and was updated for this Annual Report to include water years 2018-2021.

Method of Analysis

The water balance used for the GSP, and updated here, was developed using a rainfall-runoff-recharge model and a groundwater flow model. Complete, itemized surface water and groundwater balances were estimated by combining raw data (rainfall, stream flow, municipal pumping, wastewater percolation) with values simulated using models. Collectively, the models simulate the entire hydrologic system, but each model or model module focuses on part of the system, as described below. In general, the models were used to estimate flows in the surface water and groundwater balances that are difficult to measure directly or that depend on current groundwater levels. These include surface and subsurface inflows from tributary areas, percolation from stream reaches within the Basin, groundwater discharge to streams, subsurface flow from the Llagas Subbasin and between Management Areas, locations and discharges of flowing wells, consumptive use of groundwater by riparian vegetation, and changes in groundwater storage. The two separate models, collectively referred to as the North San Benito Numerical model, are described as follows.

Rainfall-Runoff-Recharge Model. This Fortran-based model simulates hydrologic processes that occur over the entire land surface, including precipitation, interception, infiltration, runoff, evapotranspiration, irrigation, effects of impervious surfaces, pipe leaks in urban areas, deep percolation below the root zone, and shallow groundwater flow to streams and deep recharge.

Groundwater Model. The groundwater flow model uses the MODFLOW 2005 code developed by the U.S. Geological Survey, with pre- and post-processing facilitated using Groundwater Vistas, a readily available commercial software package. The model produces linked simulation of surface water and groundwater, as described below. MODFLOW simulates subsurface flow by combining equations representing flow through porous sediments (the Darcy Equation) with equations that enforce conservation of mass. The equations are implemented numerically, which means they are applied simultaneously between all adjoining cells in a model grid through an iterative process. Dispersed recharge to the top layer of the model grid from deep percolation of rainfall, irrigation water and pipe leaks is obtained from the rainfall-runoff-recharge model.

The numerical model is the best tool to quantify the North San Benito water balance. The model will continue to be updated for future Annual Reports, providing a better understanding of the surface water-groundwater system and a tool to evaluate future conditions and management actions. Additional information about the model can be found in the GSP and the model documentation report found as Appendix G in the GSP. **Tables 4-1 through 4-4** show the updated water balances for each MA. **Figures 4-1 through 4-4** show the water balance for the entire model period.

4-WATER BALANCE

TABLE 4-1. WATER BALANCE UPDATE - SOUTHERN MA, AF

Water Balance Items	2018	2019	2020	2021
Groundwater Inflow				
Subsurface inflow from external basins	-	-	-	-
Percolation from streams	14,311	28,049	14,513	11,749
Bedrock inflow	3,416	2,306	1,325	569
Dispersed recharge from rainfall[1]	3,783	10,051	4,847	2,907
Irrigation deep percolation	675	588	705	848
Reclaimed water percolation	0	0	0	0
Inflow from Hollister MA	1,216	1,408	1,019	715
Total inflow	**23,400**	**42,402**	**22,409**	**16,788**
Groundwater Outflow				
Subsurface outflow to external basins	0	0	0	0
Wells - M&I and domestic	(70)	(71)	(72)	(73)
Wells - agricultural	(7,738)	(6,830)	(7,435)	(8,087)
Groundwater discharge to streams	(20,214)	(19,943)	(19,617)	(14,394)
Riparian evapotranspiration	(1,742)	(1,468)	(1,676)	(1,696)
Outflow to Hollister MA	(3,041)	(2,306)	(2,218)	(2,372)
Total outflow	**(32,805)**	**(30,618)**	**(31,019)**	**(26,622)**
Net Change in Storage	**(9,405)**	**11,784**	**(8,609)**	**(9,834)**

1. Dispersed recharge volumes adjusted from pre-processor to match model inflows

TABLE 4-2. WATER BALANCE UPDATE - HOLLISTER MA, AF

Water Balance Items	2018	2019	2020	2021
Groundwater inflow				
Subsurface inflow from external basins	-	-	-	-
Percolation from streams	16,397	27,616	16,936	14,074
Bedrock inflow	16,844	19,237	10,059	2,137
Dispersed recharge from rainfall[1]	8,196	22,976	18,539	5,946
Irrigation deep percolation	5,476	4,877	5,500	6,405
Reclaimed water percolation	2,240	1,755	1,940	2,150
Inflow from other MAs	5,678	4,990	4,738	5,208
Total inflow	**54,830**	**81,451**	**57,712**	**35,920**
Groundwater Outflow				
Subsurface outflow to external basins	0	0	0	0
Wells - M&I and domestic	(2,673)	(1,632)	(1,880)	(3,571)
Wells - agricultural	(43,907)	(39,915)	(43,349)	(49,070)
Groundwater discharge to streams	(3,563)	(7,391)	(11,927)	(1,660)
Riparian evapotranspiration	(184)	(193)	(169)	(141)
Outflow to other MAs	(9,852)	(10,891)	(10,759)	(9,283)
Total outflow	**(60,180)**	**(60,023)**	**(68,083)**	**(63,726)**
Net Change in Storage	**(5,349)**	**21,428**	**(10,372)**	**(27,806)**

1. Dispersed recharge volumes adjusted from pre-processor to match model inflows

TABLE 4-3. WATER BALANCE UPDATE - SAN JUAN MA, AF

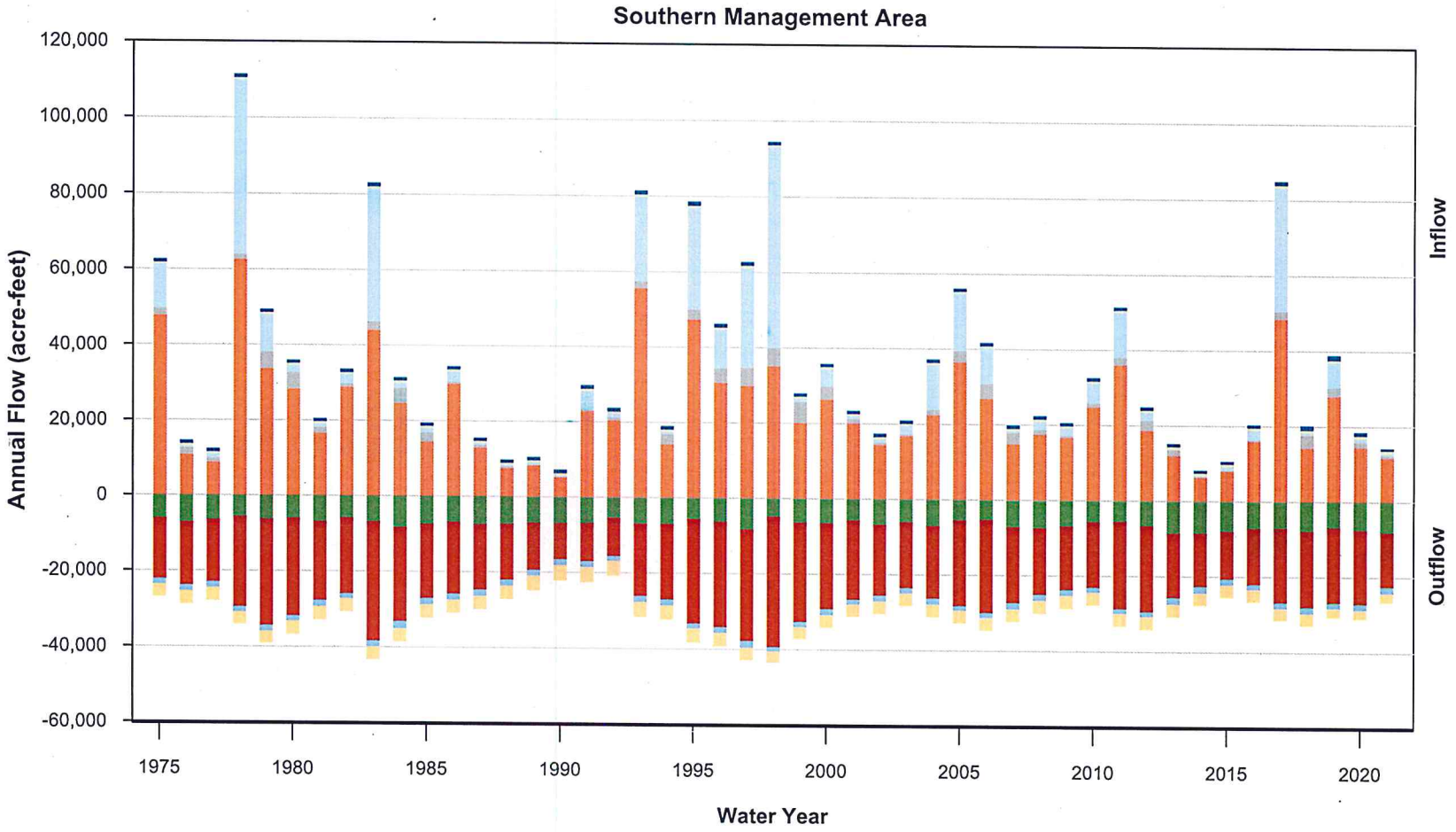
Water Balance Items	2018	2019	2020	2021
Groundwater Inflow				
Subsurface inflow from external basins	-	-	-	-
Percolation from streams	3,417	8,875	5,304	7,488
Bedrock inflow	1,119	679	843	522
Dispersed recharge from rainfall[1]	2,528	9,493	4,135	2,093
Irrigation deep percolation	2,071	1,865	2,062	2,440
Reclaimed water percolation	2,136	1,457	1,256	1,888
Inflow from Hollister and Bolsa MAs	4,163	4,597	5,128	4,747
Total inflow	**15,434**	**26,965**	**18,728**	**19,179**
Groundwater Outflow				
Subsurface outflow to external basins	0	0	0	0
Wells - M&I and domestic	(777)	(785)	(793)	(799)
Wells - agricultural	(17,394)	(15,935)	(17,463)	(18,826)
Groundwater discharge to streams	(962)	(1,145)	(949)	(2,330)
Riparian evapotranspiration	(1,165)	(998)	(1,123)	(1,245)
Outflow to Bolsa MA	(1,621)	(1,686)	(1,581)	(1,668)
Total outflow	**(21,919)**	**(20,548)**	**(21,910)**	**(24,870)**
Net Change in Storage	**(6,484)**	**6,417**	**(3,182)**	**(5,690)**

1. Dispersed recharge volumes adjusted from pre-processor to match model inflows

TABLE 4-4. WATER BALANCE UPDATE - BOLSA MA, AF

Water Balance Items	2018	2019	2020	2021
Groundwater Inflow				
Subsurface inflow from external basins	5,697	4,943	6,250	7,163
Percolation from streams	4,045	4,188	3,094	7,310
Bedrock inflow	0	-	-	498
Dispersed recharge from rainfall[1]	5,103	14,668	7,313	5,271
Irrigation deep percolation	2,524	2,312	2,445	2,630
Reclaimed water percolation	0	0	0	0
Inflow from Hollister and San Juan MAs	5,100	5,496	5,255	5,113
Total inflow	**22,469**	**31,607**	**24,356**	**27,985**
Groundwater Outflow				
Subsurface outflow to external basins	0	(15)	0	0
Wells - M&I and domestic	(24)	(25)	(25)	(25)
Wells - agricultural	(25,962)	(23,858)	(25,124)	(29,449)
Groundwater discharge to streams	(1,277)	(3,519)	(1,230)	(262)
Riparian evapotranspiration	(239)	(226)	(176)	(152)
Outflow to San Juan MA	(1,643)	(1,608)	(1,582)	(2,994)
Total outflow	**(29,145)**	**(29,250)**	**(28,137)**	**(32,881)**
Net Change in Storage	**(6,676)**	**2,357**	**(3,780)**	**(4,896)**

1. Dispersed recharge volumes adjusted from pre-processor to match model inflows



Inflows

- Inflow from Hollister MA
- Reclaimed water percolation
- Irrigation deep percolation
- Dispersed recharge from rainfall
- Bedrock inflow
- Percolation from streams
- Subsurface inflow from external basins

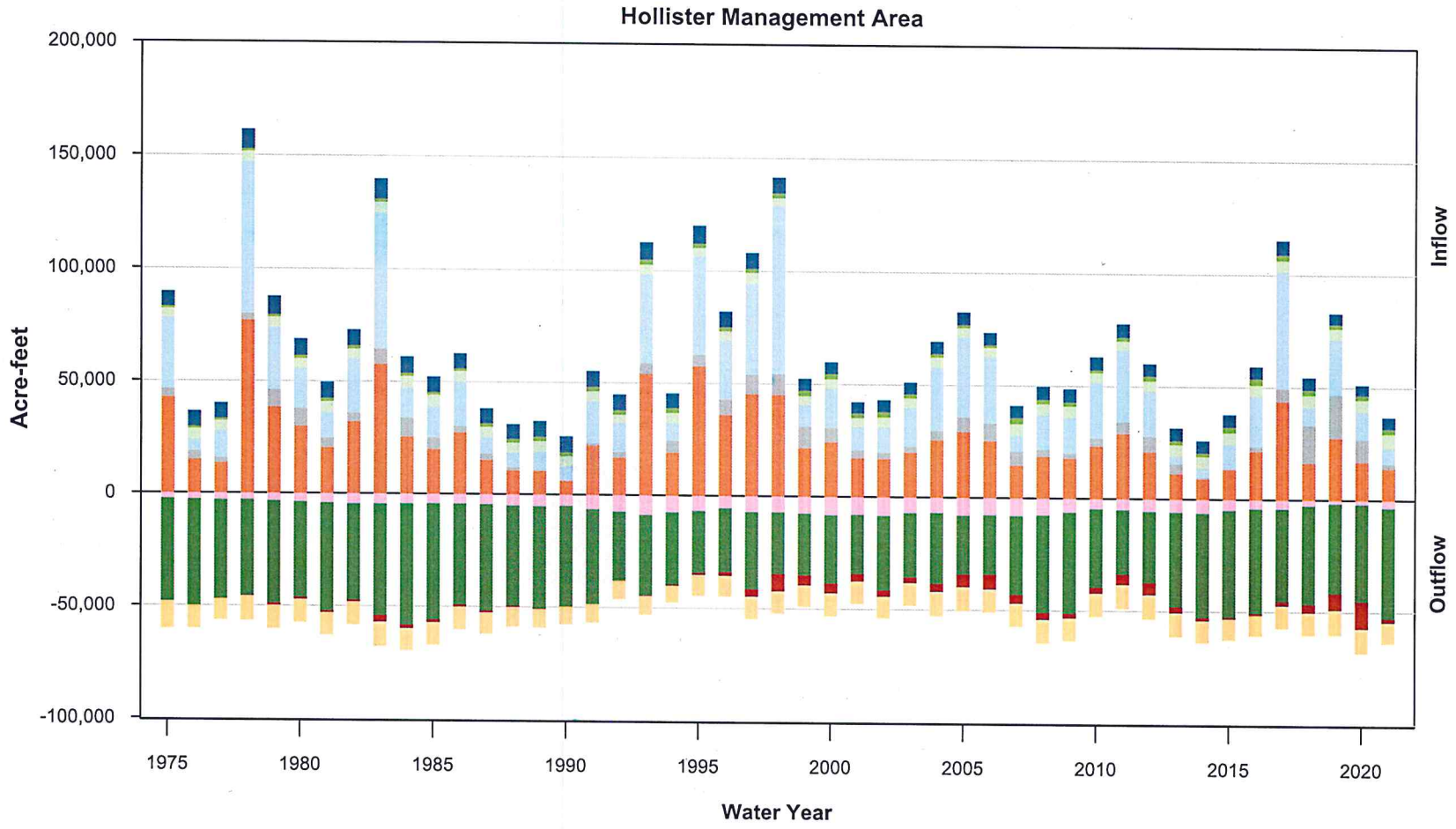
Outflows

- Shallow discharge to streams
- Subsurface outflow to external basin
- Wells - M&I and domestic
- Wells - agricultural
- Groundwater discharge to streams
- Riparian evapotranspiration
- Outflow to Hollister MA

March 2022

TODD GROUNDWATER

Figure 4-1
Water Balance
Southern
Management Area



Inflows

- Inflow from Southern MA
- Reclaimed water percolation
- Irrigation deep percolation
- Dispersed recharge from rainfall
- Bedrock inflow
- Percolation from streams
- Subsurface Inflow from external basins

Outflows

- Shallow discharge to streams (Shallow)
- Subsurface outflow to external basins
- Wells - M&I and domestic
- Wells - agricultural
- Groundwater discharge to streams
- Riparian evapotranspiration
- Outflow to Bolsa and San Juan MAs

March 2022

TODD GROUNDWATER

Figure 4-2
Water Balance
Hollister
Management Area

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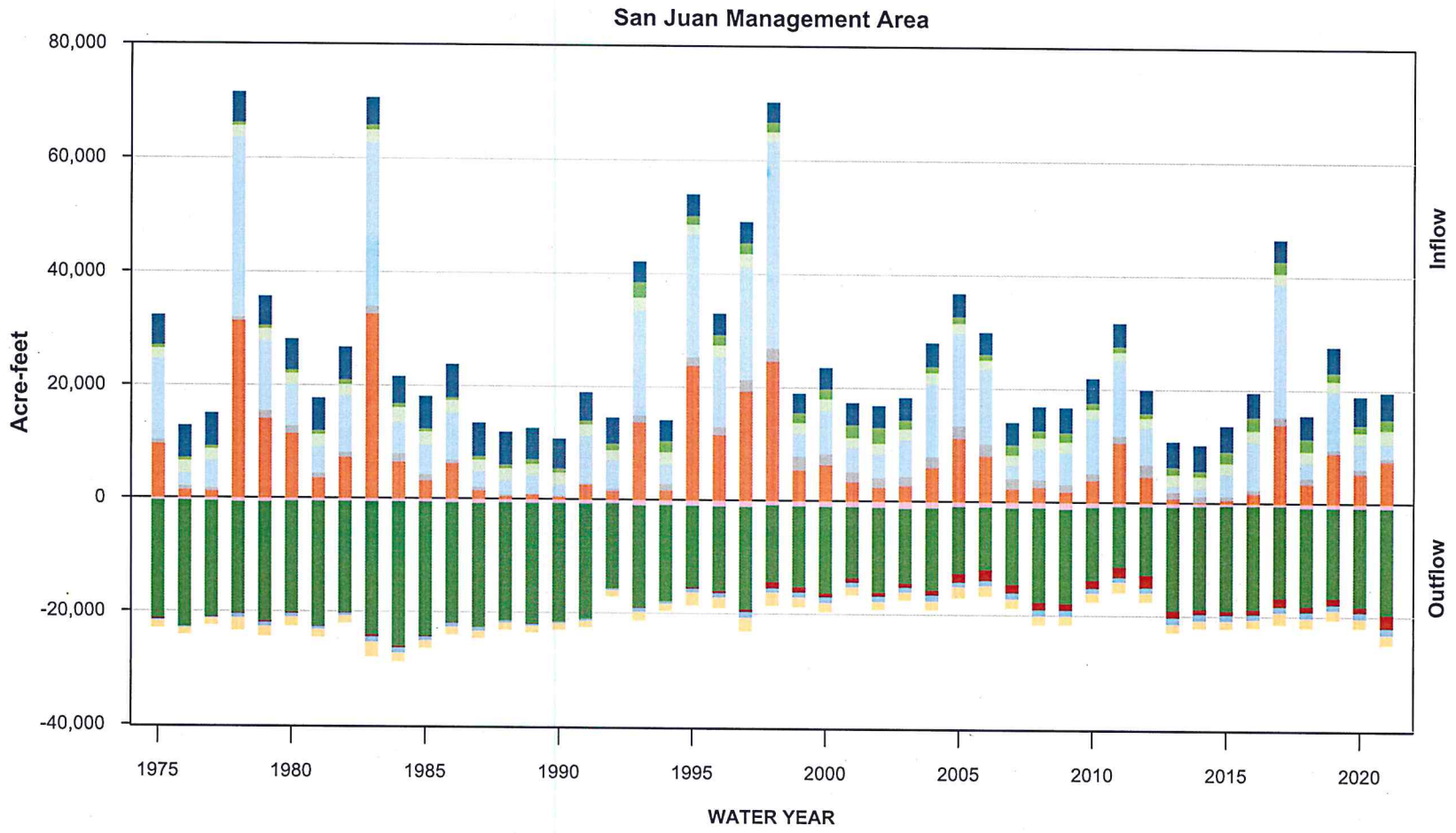


Inflows

- Inflow from Hollister MA
- Reclaimed water percolation
- Irrigation deep percolation
- Dispersed recharge from rainfall
- Bedrock inflow
- Percolation from streams
- Subsurface inflow from external basins

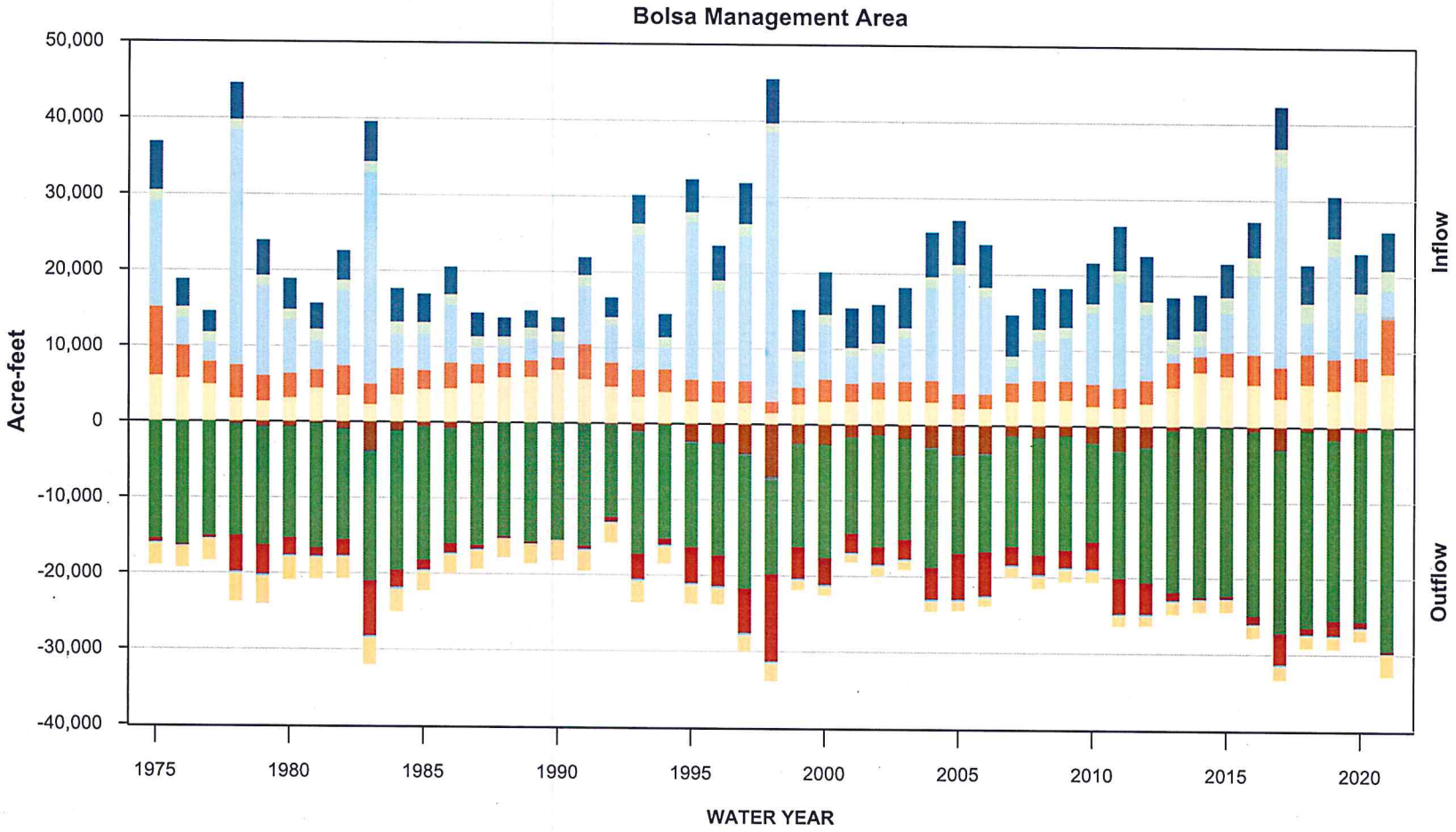
Outflows

- Shallow discharge to streams
- Subsurface outflow to external basins
- Wells - M&I and domestic
- Wells - agricultural
- Groundwater discharge to streams
- Riparian evapotranspiration
- Outflow to Bolsa MA

March 2022

TODD GROUNDWATER

Figure 4-3
Water Balance
San Juan
Management Area



Inflows

- Inflow from Hollister and San Juan MAs
- Reclaimed water percolation
- Irrigation deep percolation
- Dispersed recharge from rainfall
- Bedrock inflow
- Percolation from streams
- Subsurface inflow from external basins

Outflows

- Shallow discharge to streams
- Subsurface outflow to external basins
- Wells - M&I and domestic
- Wells - agricultural
- Groundwater discharge to streams
- Riparian evapotranspiration
- Outflow to San Juan MA

March 2022

TODD GROUNDWATER

Figure 4-4
Water Balance
Bolsa
Management Area

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4-WATER BALANCE

Inflows

The rainfall-runoff-recharge model and groundwater model were updated to reflect conditions from Water Years 2018-2021. Data, assumptions and calculations for individual hydrologic processes and groundwater inflows are described below.

Precipitation and Evaporation. Precipitation and evaporation on the land surface are accounted for in the rainfall-runoff-recharge model. Data are obtained from local climate stations.

CVP Imported Water. Two Management Areas (Hollister and San Juan) receive imported water from the CVP, which is delivered to municipal and agricultural users and to several percolation ponds to enhance groundwater recharge. CVP imported water stored in San Justo Reservoir seeps from the reservoir to the local groundwater. In addition, water evaporates from the surfaces. These seepage and evaporation losses remain consistent through the period of record and are included in the groundwater model.

Dispersed Recharge from Rainfall and Irrigation. Dispersed recharge from rainfall and applied irrigation water is estimated by the rainfall-runoff-recharge model. The model simulates soil moisture storage in the root zone, which derives from rainfall infiltration and irrigation, and outflows to evapotranspiration and deep percolation. Simulation is on a daily basis. In recharge zones with irrigated crops, irrigation is simulated by assuming water is applied when soil moisture falls below a certain threshold. When soil moisture exceeds the root zone storage capacity, any excess rainfall or irrigation becomes deep percolation. Rainfall and irrigation water comingle in the root zone and in deep percolation. In urban recharge zones, pipe leaks are included in the amount shown as rainfall recharge. The resulting net recharge is passed to the top layer of the groundwater model.

Percolation from Streams. Percolation from streams depends on the flow, stage, width, length, and bed permeability of stream reaches, as well as the elevation difference between the stream surface and groundwater in the underlying model cell. Point sources of recharge (such as wastewater percolation facilities) are entered into the top model layer as if they were injection wells. Surface inflows to the stream network in the surface water module of the groundwater model include a combination of gauged flows (for the San Benito River at the upstream end of the Southern MA only), simulated runoff from tributary watersheds and valley floor areas obtained from the rainfall-runoff-recharge model, and historical amounts of CVP water percolated in local streams. The effects of Hernandez Reservoir operation on San Benito River flows are included in the gauged flows, and the effects of Pacheco Reservoir on Pacheco Creek inflows were estimated by applying simple rules for seasonal storage and release. Valley floor areas are flatter than the tributary watersheds, and the amount of runoff per acre is consequently smaller. The rainfall-runoff-recharge model simulates runoff from valley floor areas, and those flows are added to the inflows of nearby stream segments in the groundwater model.

Reclaimed Water Percolation. Percolation of reclaimed water in wastewater disposal ponds occurs in two Management Areas (San Juan and Hollister) at facilities operated by the City of Hollister, SSCWD, and Tres Pinos County Water District. Discharges from the San Juan Bautista wastewater treatment plant flow are not included. Percolation is assumed to be the plant inflow less net evaporation and amounts of wastewater recycled for irrigation use. Additional percolation may occur around rural

residential septic systems. For the numerical model, it is assumed to be negligible as the volumes would be small and spread out over the basin.

Subsurface Groundwater Inflow. Three types of subsurface inflow are listed separately in the water balance tables. Subsurface inflow from external basins occurs only in the Bolsa MA, where flow enters from the adjacent Llagas Subbasin. This is simulated as a head-dependent flow that varies depending on simulated groundwater levels near the boundary (lower water levels increase the simulated inflow rate). Along the rest of the Basin perimeter, small amounts of subsurface inflow result from recharge percolating through fractured bedrock in tributary watershed areas. Bedrock inflow is simulated as shallow injection wells along the perimeter of the Basin.

Finally, subsurface flow occurs across the management area boundaries within the Basin. Although flow across MA boundaries is predominantly in one direction in most cases, local variations in boundary alignment relative to regional gradients can result in inflow at one location concurrent with outflow at another. For example, **Table 4-1** indicates inflow from Hollister to Southern MA although Southern MA is generally upgradient of Hollister MA. This reflects the zig-zag character of the boundary between the two MAs, such that groundwater flows from Hollister into portions of Southern MA and then flows out again.

Most groundwater inflows to the basin are controlled by hydrologic conditions. Natural stream percolation and deep percolation from rainfall are related to the volume and distribution of rainfall. The availability of imported water similarly reflects wet and dry conditions in the source area, which for CVP water is the Sierra Nevada. Because they are related to rainfall, almost all Basin inflows are higher in wet years and lower in dry years. In contrast, deep percolation of applied irrigation water (irrigation return flow) is generally similar from year to year.

Outflows

Major outflows from the Basin are pumping (agricultural, municipal, industrial, and domestic), groundwater seepage into streams, subsurface outflow, and evapotranspiration by riparian vegetation.

Pumping by Wells. Agricultural pumping is much larger than the other types and is listed separately in the water balance tables and shown in green on the water balance bar charts. Agricultural pumping is dependent not only on cropping patterns and irrigation practices, but also on the volume of CVP imports and the amount and timing of rainfall. Spring rains decrease total irrigation demand, and growers adjust pumping to compensate for wet weather and the availability of CVP imports. Agricultural groundwater pumping in the model and water balance tables is simulated by the rainfall-runoff-recharge model. When simulated soil moisture falls below a specified threshold in a recharge zone with irrigated crops, irrigation is assumed to be applied and to refill soil moisture to capacity. Irrigation not derived from CVP water or recycled water is assumed to be from groundwater.

Agricultural pumping in Zone 6 is also monitored by SBCWD by recording the operating time of pump motors and multiplying that by a measured discharge rate. Previous studies have found that the pumping estimates obtained by this method are significantly smaller than the estimates obtained by

simulating crop water demand and soil moisture. The simulation approach improved model calibration during the 2014 model update, and that approach is retained in the current model.

Reliable measurements of agricultural pumping are a recognized data gap. Given the large range or uncertainty and the model sensitivity to the volume and location of agricultural pumping, evaluation is needed of alternative methodologies for accurately evaluating agricultural pumping.

Municipal pumping by City of Hollister and SSCWD is in the Hollister MA, with additional pumping by San Juan Bautista in the San Juan MA. Pumping by major municipal providers is measured, as is pumping by smaller community water systems and self-supplied commercial and industrial facilities within Zone 6. Actual pumping and well locations are used in the numerical model. Additional pumping for potable use at rural residences and agricultural buildings was estimated by inventorying the number and locations of those buildings on aerial photos. This domestic pumping is assigned to 200 hypothetical wells near building locations.

A map showing the locations of agricultural and municipal, commercial, industrial, and domestic pumping is presented in **Figure 4-5**. Irrigation pumping is shown as a one-dimensional annual groundwater application rate on the irrigated fraction of each recharge analysis polygon. Use of CVP water and recycled water has already been subtracted from total irrigation demand to obtain these estimates of groundwater-supplied irrigation. Monthly one-dimensional rates are multiplied by irrigated area and entered into the groundwater model as a hypothetical irrigation well located at the centroid of each irrigated recharge polygon. Municipal, commercial, industrial, and domestic wells are displayed as circles with areas proportional to annual pumping in 2021. Points representing the first three categories are actual well locations, and the pumping is measured and reported to the District. The small dots representing rural domestic pumping are located where rural residences are visible in aerial photographs, and a uniform production rate was assumed at all those locations.

Subsurface Outflow. Subsurface outflows to other basins and other Management Areas were calculated using the groundwater model by the same methods used to simulate subsurface inflows.

Groundwater Discharge to Streams. Discharges from the groundwater basin to surface water bodies are simulated by the groundwater model based on stream bed wetted area and permeability and on the amount by which the simulated groundwater elevation in a model stream cell is higher than the simulated surface water elevation. This occurs in all Management Areas, but notably where Pacheco Creek and Tequisquita Slough approach the Calaveras Fault, where the Pajaro River approaches the downstream end of the Bolsa MA, and along the San Benito River at the downstream end of the San Juan MA. The relatively large amounts of simulated groundwater discharge to streams in the Southern MA is balanced by high amounts of percolation from streams. The San Benito River and Tres Pinos Creek transition between gaining and losing at various locations in the Southern MA.

Riparian Evapotranspiration. The presence of dense, vigorous trees and shrubs along a stream channel is often a sign that the roots of the vegetation extend to the water table and have access to groundwater throughout the dry season. Plants that draw water directly from groundwater are called phreatophytes. In the groundwater model, riparian ET is a function of water table depth, decreasing from unrestricted water use when the water table is at the ground surface to zero when it is 15 feet or more below the ground surface. This reflects a reasonable range of root depth distribution for a mix of riparian shrub and tree species.

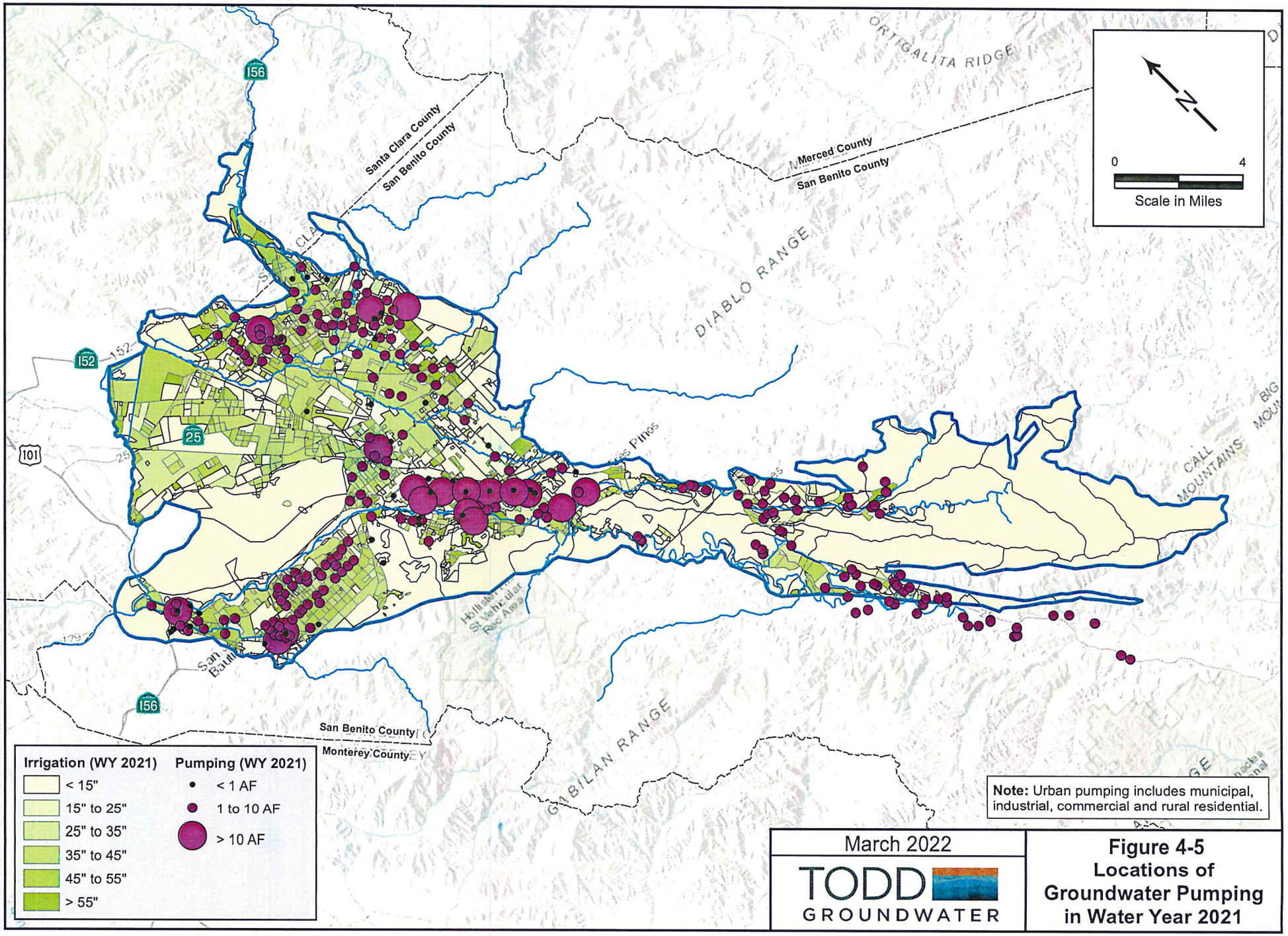


Figure 4-5
Locations of Groundwater Pumping in Water Year 2021

The Management Area water balances for 2021 are easiest to interpret in the context of balances in prior years (see **Figures 4-1 through 4-4**). In the Southern MA, total inflows and total outflows were very low in 2021 and had been declining over the previous two years. In the Hollister MA, total inflows were lower than in almost all other years of the past three decades. Outflows, however, were slightly above average. Total inflows in the San Juan MA were not so unusually low, but total outflows were above average. In the Bolsa MA, total inflows were considerably above average, but agricultural pumping has increased substantially over the past decade. The increase has been partially offset by increased subsurface inflow from the Llagas Subbasin.

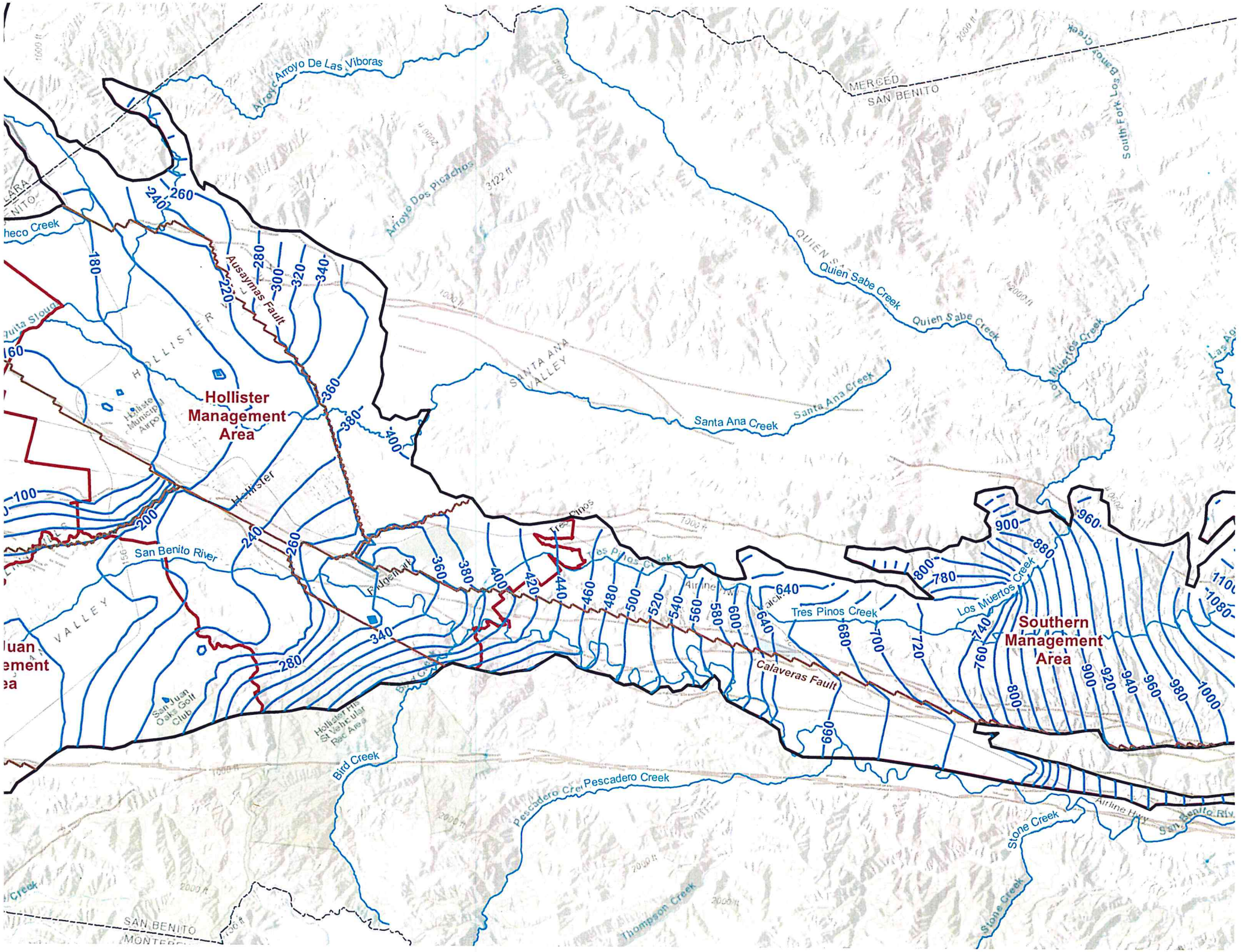
Simulated Groundwater Elevations

In previous annual reports, contours of groundwater elevation surfaces in a portion of the Basin were constructed using measurements from monitored wells with refinement to account for the effects on groundwater of faults and other hydrogeologic conditions. These previous groundwater elevation surfaces were highly influenced by variability in data available from the monitoring network. For example, contours would change significantly when wells were temporarily or permanently unavailable for monitoring. This would in turn affect the estimated change in storage.

One of the changes to the annual reports associated with SGMA compliance is the inclusion of groundwater contours for the entire Basin. A consequence of this basin-wide approach is inclusion of areas with limited or no groundwater monitoring. As a result, contouring with relatively simple software or by hand is more difficult and subjective. However, the calibrated groundwater model, which will now be updated annually, provides simulation of groundwater elevations for every month of the model period in a way that is internally consistent with the hydrogeologic conceptualization of the Basin and the water budget. Using contours from the model produces groundwater surface elevation representations that are consistent with the water budget and change in storage estimates.

Figure 4-6 shows contours of groundwater elevations in March 2021, representing seasonal high conditions, while **Figure 4-7** shows groundwater elevations in September 2021, representing seasonal low conditions. These are contours of elevations simulated by the calibrated groundwater model, which provides estimates of water levels throughout the basin. They are from model layer 3, which is within the typical range of screened intervals for irrigation and municipal wells. The pattern of contours is similar for both years. Groundwater in the Southern MA flows northwest toward the Hollister MA. On the east side of the Calaveras Fault, flow is northward and westward, converging toward San Felipe Lake, where groundwater that hasn't leaked through the fault emerges into surface waterways and crosses the fault as stream base flow. On the west side of the Calaveras Fault, inflow from the Southern MA flows northwest beneath the San Benito River and bends west to ender the San Juan MA. In the latter area, flow is toward the west end of the MA, where groundwater exits by emerging as surface flow in San Juan Creek, the San Benito River or the Pajaro River.

Figure 4-8 shows contours of the net change in groundwater elevation during the water year from September 2020 to September 2021. The net change was negative almost everywhere, reflecting decreased recharge and increased pumping due to below-average rainfall and CVP imports. The net decline was typically about 5 feet in the Hollister and San Juan MAs and up to 15 feet in the Bolsa MA. Declines in the Southern MA were mostly smaller but exceeded 5 feet in a few places. A few contour bullseyes are visible where individual wells had much different pumping amounts in 2020 and 2021.


Hollister Management Area
Southern Management Area
Ausaymas Fault
Calaveras Fault
Hollister
San Benito River
Santa Ana Creek
Quien Sabe Creek
Tres Pinos Creek
Los Muertos Creek
Pescadero Creek
Bird Creek
Stone Creek
Thompson Creek
Arroyo De Las Viboras
Arroyo Dos Picachos
South Fork Los Banos Creek
SAN BENITO
MERCED
SANTA ANA VALLEY
HOLLISTER
Hollister Municipal Airport
San Juan Oaks Golf Club
Hollister Hills St Vehicular Rec Area
Airline Hwy
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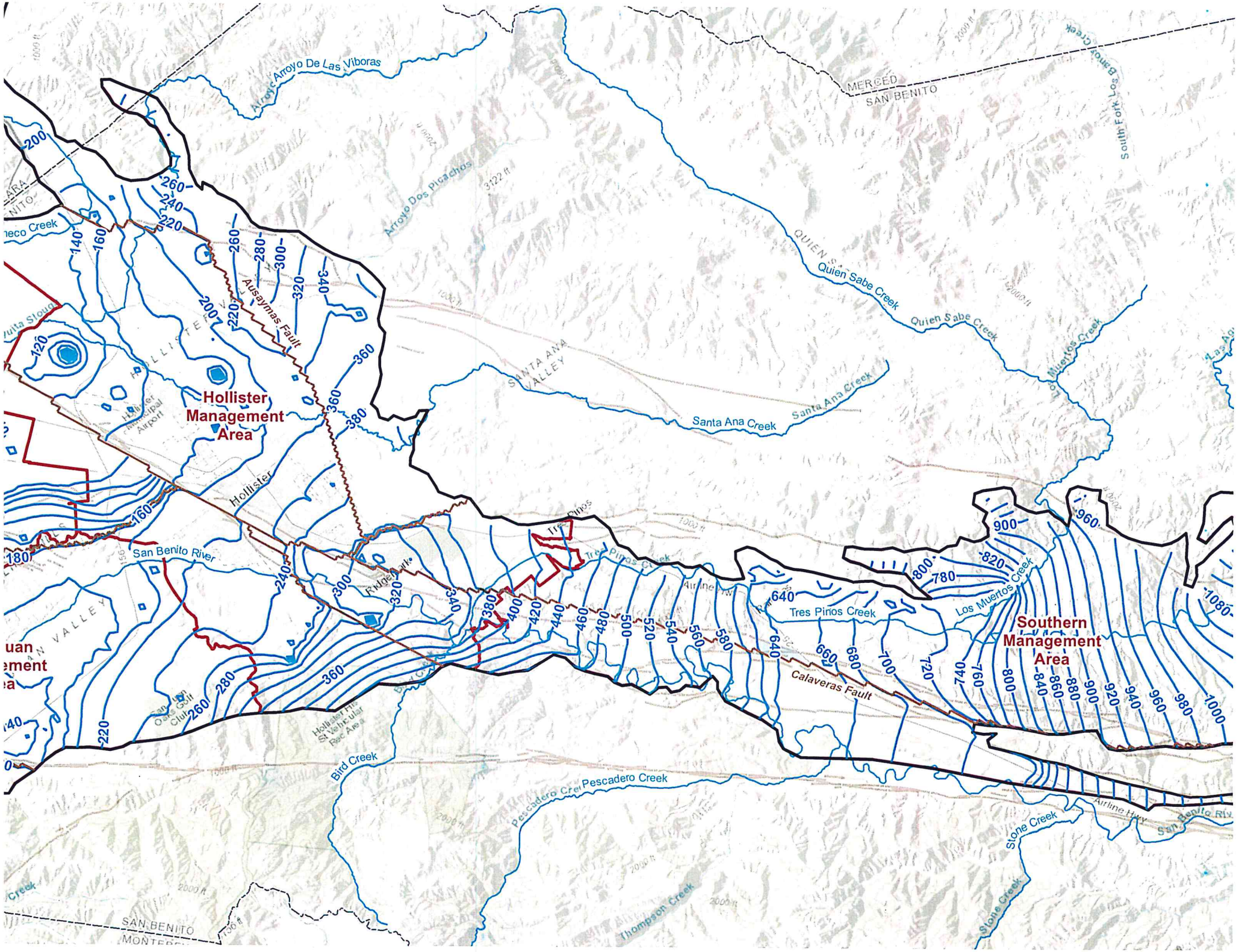
Hollister Management Area
Southern Management Area
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Calaveras Fault
Arroyo Arroyo De Las Viboras
Arroyo Dos Picachos
Quien Sabe Creek
Santa Ana Creek
Tres Pinos Creek
San Benito River
Bird Creek
Pescadero Creek
Thompson Creek
Stone Creek
Los Muertos Creek
South Fork Los Banos Creek
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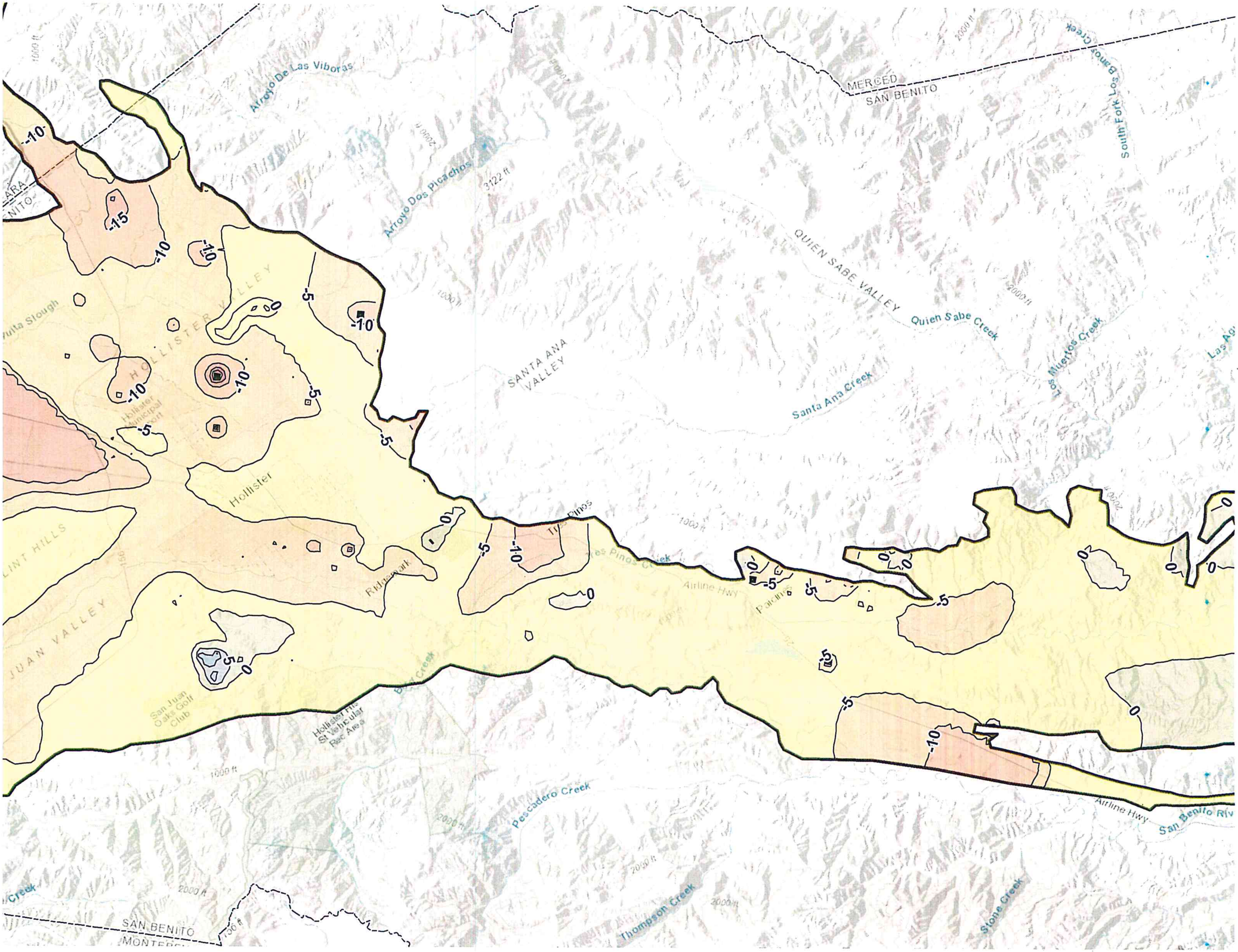
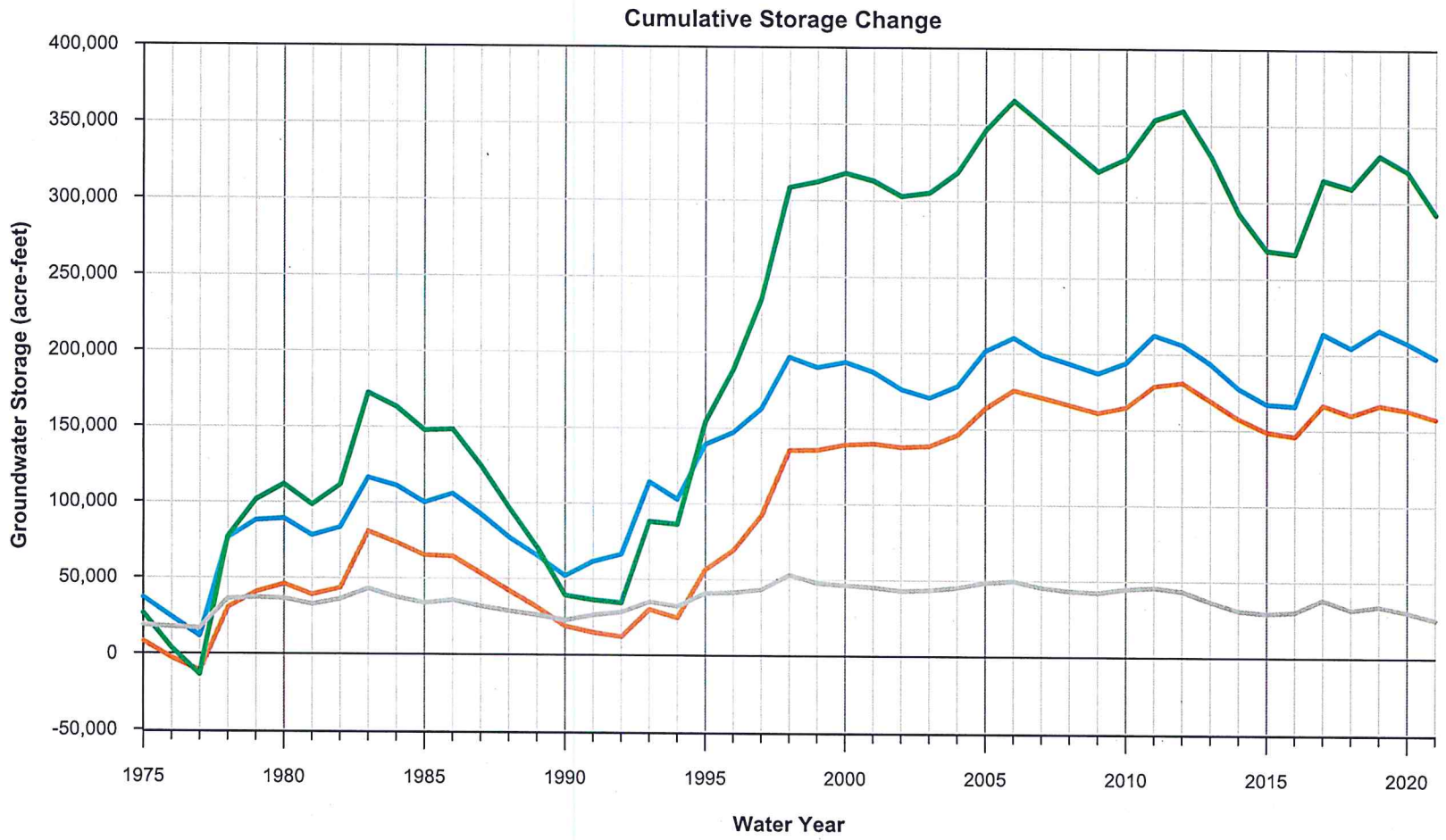


MERCED
SAN BENITO
QUIEN SABE VALLEY
Quien Sabe Creek
Santa Ana Creek
SANTA ANA VALLEY
Los Muertos Creek
South Fork Los Banos Creek
Arroyo Dos Picachos
Arroyo De Las Viboras
Hollister
Airline Hwy
Stone Creek
Thompson Creek
Pescadero Creek
Paicines
Ridgemark
San Juan Oaks Golf Club

Change in Storage

Figure 4-9 shows the cumulative change in storage from the model for the four Management Areas for 1975-2021. The change in storage for each MA for the model update period (2018-2021) is documented in **Tables 4-1 through 4-4**. In **Appendix E, Figures E-1** through **E-4** illustrate the annual storage change, cumulative storage change, and estimated groundwater pumping for each MA from 1975 to present. The water year type is indicated with the first letter of the types: Wet, Above normal, Below normal, Dry, and Critically dry (see Figure 3-2).

Storage decreased in all four Management Areas for the second consecutive year in 2021. However, total storage is far above the 1975 amounts in the Southern, Hollister and San Juan MAs. Storage tends to change very little in the Bolsa MA, probably due to the influence of subsurface inflow simulated at the model boundaries along the Calaveras Fault and the border with the Llagas Subbasin. Storage declined slightly in 2021 and is about equal to the amount of storage in 1975.



March 2022

TODD GROUNDWATER

Figure 4-9
Cumulative Change in Storage, 1975-2021

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5-WATER SUPPLY AND USE

Water Supply Sources

Four major sources of water supply are available for municipal, rural, and agricultural water demands in NBGB. These are summarized below; for more data and graphs, see **Appendix E.**

Local Groundwater. Groundwater is pumped by private irrigation and domestic wells and by public water supply retailers. The District does not directly produce or sell groundwater but has the responsibility and authority to manage groundwater throughout San Benito County.

Imported Water. The District purchases Central Valley Project (CVP) water from the U.S. Bureau of Reclamation (USBR) and distributes to customers in Zone 6. Some CVP water has also been released for groundwater recharge. The District has a contract with no expiration for a maximum of 8,250 AFY of municipal and industrial (M&I) water and 35,550 AFY of agricultural water. CVP water is not available in the Bolsa or Southern MAs.

Recycled Water. Water recycling began in 2010 with landscape irrigation at Riverside Park. The system was expanded in 2014, including infrastructure and treatment capability for the purpose of agricultural irrigation. Recycled water currently is provided to approximately 865 acres for agricultural production and landscape irrigation. This source is reliable during drought and helps secure a sustainable water supply. Recycled water is only available in the Hollister MA.

Local Surface Water. Surface water is not used directly for potable or irrigation use in the basin, but creek percolation is a significant source of groundwater recharge. In 2021, releases from the District's Hernandez and Paicines reservoirs were below average, reflecting drought. Stormwater capture currently is limited to some diversion by the City of Hollister to the Hollister Industrial WWTP (via a combined sewer system) with subsequent treatment and discharge to percolation and evaporation ponds.

Available Imported Water – Zone 6

The District distributes CVP water to agricultural and M&I customers in Zone 6. The allocation of the contract for each year is variable and contingent on total available supply of the CVP system. In dry years, the allocation may be zero and in wet years, it may be 100 percent of the contract amount. The USBR contract years are March through February, so Water Year 2021 (Oct 2020-Sept 2021) overlapped two contract years. Both years were below-average hydrological conditions which resulted in relatively low allocations. **Table 5-1** shows the contract entitlements and recent allocations for both USBR contract years that overlap Water Year 2021 (SLDMWA 2021).

As shown in **Table 5-1**, USBR contract year 2020 (March 2020- February 2021) allocations were 15 percent and 65 percent for agricultural users and M&I users respectively. For USBR contract year 2021 (March 2021 - February 2022), allocations were 0 percent and 25 percent for agricultural users and M&I users, respectively. Both years had less than average allocations for agricultural users and while M&I users had average and record low allocations for WY 2020 and WY 2021, respectively. For the last ten years (2012-2021), the average allocations were 31 percent and 62 percent for agricultural users and M&I users respectively. More information of past years allocations can be found in **Appendix E**.

In February 2022, USBR announced the initial water supply allocations for CVP for South-of-Delta (including North San Benito) would be 0 percent. CVP reservoir storage was below the historical average, and without substantial spring precipitation, the allocation is unlikely to be revised upward.

TABLE 5-1. ALLOCATION FOR USBR WATER YEARS 2020-2021

March 2020 - February 2021

	Contract	% Allocation	Allocation Volume (AF)
Agriculture	35,550	15%	5,333
M&I	8,250	65%	5,363
TOTAL	43,800		10,695

March 2021 - February 2022

	Contract	% Allocation	Allocation Volume (AF)
Agriculture	35,550	0%	0
M&I	8,250	25%	2,063
TOTAL	43,800		2,063

Municipal Use

Figure 5-1 shows the municipal water supply for the City of Hollister, SSCWD, San Juan Bautista, and Tres Pinos County Water District. Municipal demand was satisfied entirely by groundwater prior to 2003. The completion of Lessalt Water Treatment Plant (WTP) in 2003, expansion of Lessalt in 2016, and completion of West Hills WTP in 2018 have significantly increased the availability and use of CVP water for the Hollister and SSCWD municipal systems. In **Figure 5-1**, annual water supply provided through the Lessalt WTP is shown in grey and West Hills WTP in blue. In 2021, these two treatment plants served about 39 percent of the municipal supply, a decrease from last water year when CVP imports provided 67 percent of the municipal supply. The retailers continue to rely on the groundwater reserve when CVP allocations are low. When CVP allocations are higher, the retailers can return to delivering treated imported water to their customers. This ability to maximize CVP use will increase flexibility for local water users to use groundwater or CVP. CVP also provides better quality water for delivery to municipal customers and results in improved wastewater quality, which supports water recycling.

Agricultural Use

Figure 5-2 shows the annual volume of imported water by use. The low allocation of USBR Water Year 2020-2021 and the zero allocation Water Year 2021-2022 severely impacted the CVP imports for agricultural uses in the Hollister and San Juan MAs. The total CVP volume was decreased by 45 percent and by 50 percent for agricultural deliveries specifically. The available CVP supply in WY 2021 was the lowest since the 2013-2016 multiple year drought. With initial allocations set for another zero-allocation year, agricultural users will have to pump more groundwater, plant less water intensive crops, or fallow land.

Groundwater is an important source of supply in all four MAs. In Hollister and San Juan MAs, it continues to provide a reserve in times of dry hydrologic conditions, like WY 2021 when CVP allocations are reduced. In Bolsa and Southern MAs, it is the sole source of supply.

This Annual Report reflects the changing scope of groundwater management in the Basin and thus involves adapted methods, for example, to estimate groundwater pumping. It builds on the GSP (which includes extensive update and application of the numerical model) and presents an estimate of groundwater pumping simulated by the numerical model. This represents a departure from previous Annual Reports and a first step toward basin-wide and more accurate assessment of agricultural pumping.

As described in the water balance section, the simulated estimate relies on the 2014 land use map and applies a crop coefficient to identified agricultural parcels. Annual crop evapotranspiration (ET) is calculated by applying the crop coefficient to the daily observed reference ET from the CIMIS station. Groundwater pumping is then estimated based on the crop ET and an irrigation efficiency assumption

less the available CVP and recycled water delivered to agricultural customers in the MA. The volume is simulated as a well in the center of the identified parcel. Groundwater pumping as simulated by the model for each MA is shown on **Table 5-2.**

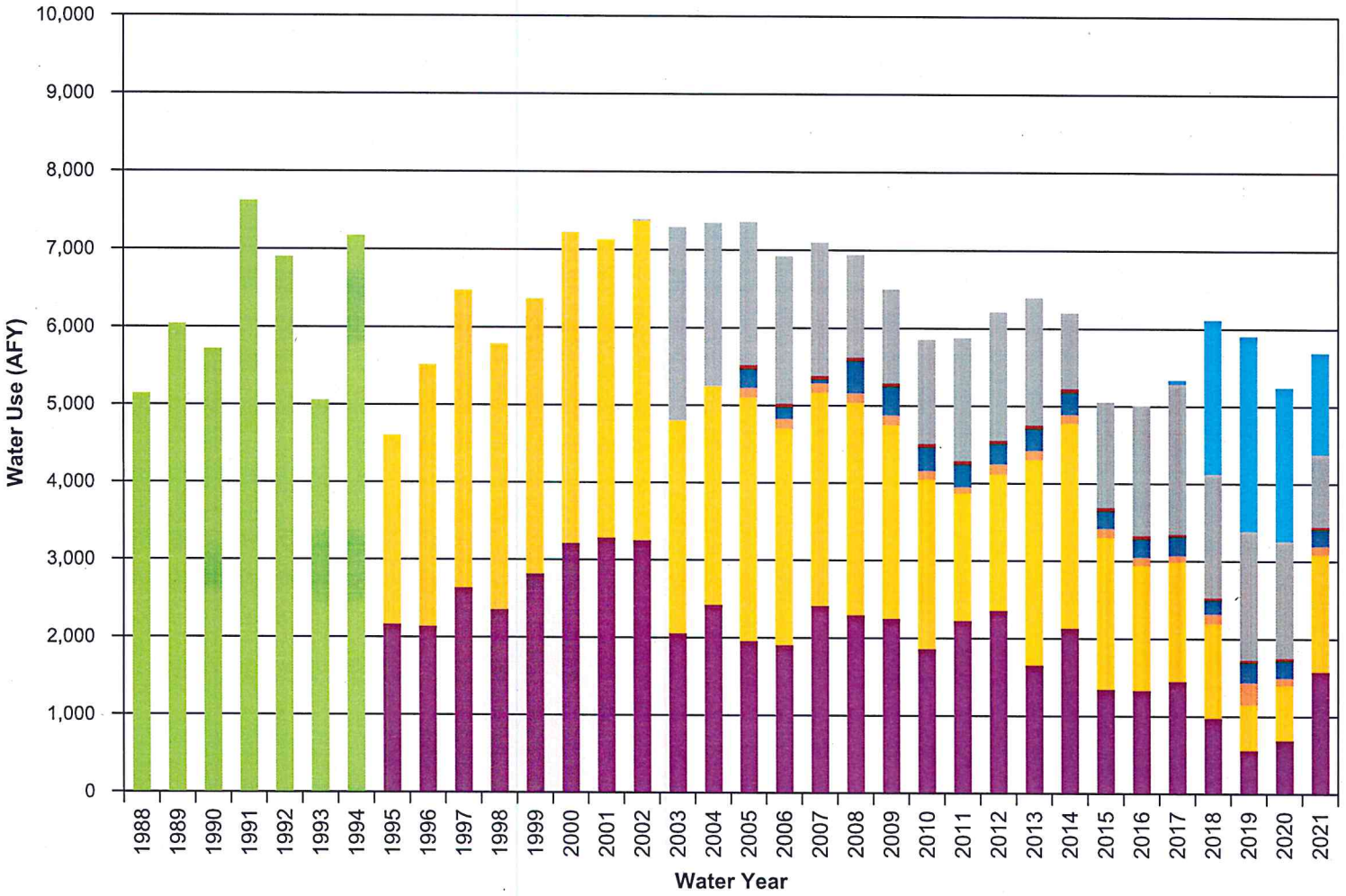
In previous annual reports, the water use patterns for Zone 6 were presented using the reported pumping from available power meters. Pumping amounts have been calculated semiannually by metering the number of hours of pump operation and multiplying by the average discharge rate. This monitoring program began in about 1990 (soon after CVP imports started) but was not applied to irrigation pumping beyond Zone 6. This historical method of estimating groundwater pumping based on power consumption has drifted from original calibration and is now considered insufficiently accurate and is being replaced as part of SGMA implementation. Accordingly, the pumping recorded by these meters are not shown in this annual report.

The District is currently developing a new water use monitoring program that will address the entire basin area and will be documented in future SGMA Annual Reports. One method currently identified to evaluate agricultural water use is termed OpenET. OpenET is a tool developed by a consortium of private and public partners and led by Environmental Defense Fund, NASA, Desert Research Institute, and HabitatSeven. The tool utilizes satellite-based estimates of the total ET by month by parcel. The data will be available at a spatial resolution of 30 meters by 30 meters (0.22 acres per pixel). As of March 2022, the web viewer is open to the public and tools to download data on a basin scale will be released in Spring 2022. In the future, these data—ET by parcel over time—will be available for import into the numerical model to improve the model simulation of groundwater pumping. **Figure 5-3** (below) shows a screen capture showing the irrigated parcels in the Basin with a color ramp indicating ET (OpenET, 2022).

Total Water Use

Table 5-2 shows the total water use in the Basin by source and user type for Water Years 2018- 2021. CVP and recycled water is monitored directly. Municipal use is metered and included in the model simulated pumping.

In WY 2021, total water use was higher than 2020 as simulated. The CVP imports were reduced by 45 percent in WY 2021 recognizing this year was the second dry year in a row. As a result, groundwater pumping increased significantly. Groundwater continues to be a reserve that is heavily relied on during multiple year droughts. However, the simulated agricultural pumping may over-represent irrigated areas and may not have accounted for land that was fallowed or converted to urban uses in recent years. In WY 2021, groundwater pumping patterns across the basin were impacted by local dry hydrologic conditions and the ongoing COVID pandemic that affected labor and market conditions. In Zone 6, the reduced allocation of CVP water continued to prompt some growers to fallow land or increase groundwater pumping. Additional analysis of changing crop patterns and an update of the model is recommended before the next annual report. Water use information will be uploaded to DWR as part of the Annual Report. The tables are included in Appendix A, following the Elements Guide.



March 2022

TODD GROUNDWATER

Figure 5-1
Water Use in Zone 6 by Source

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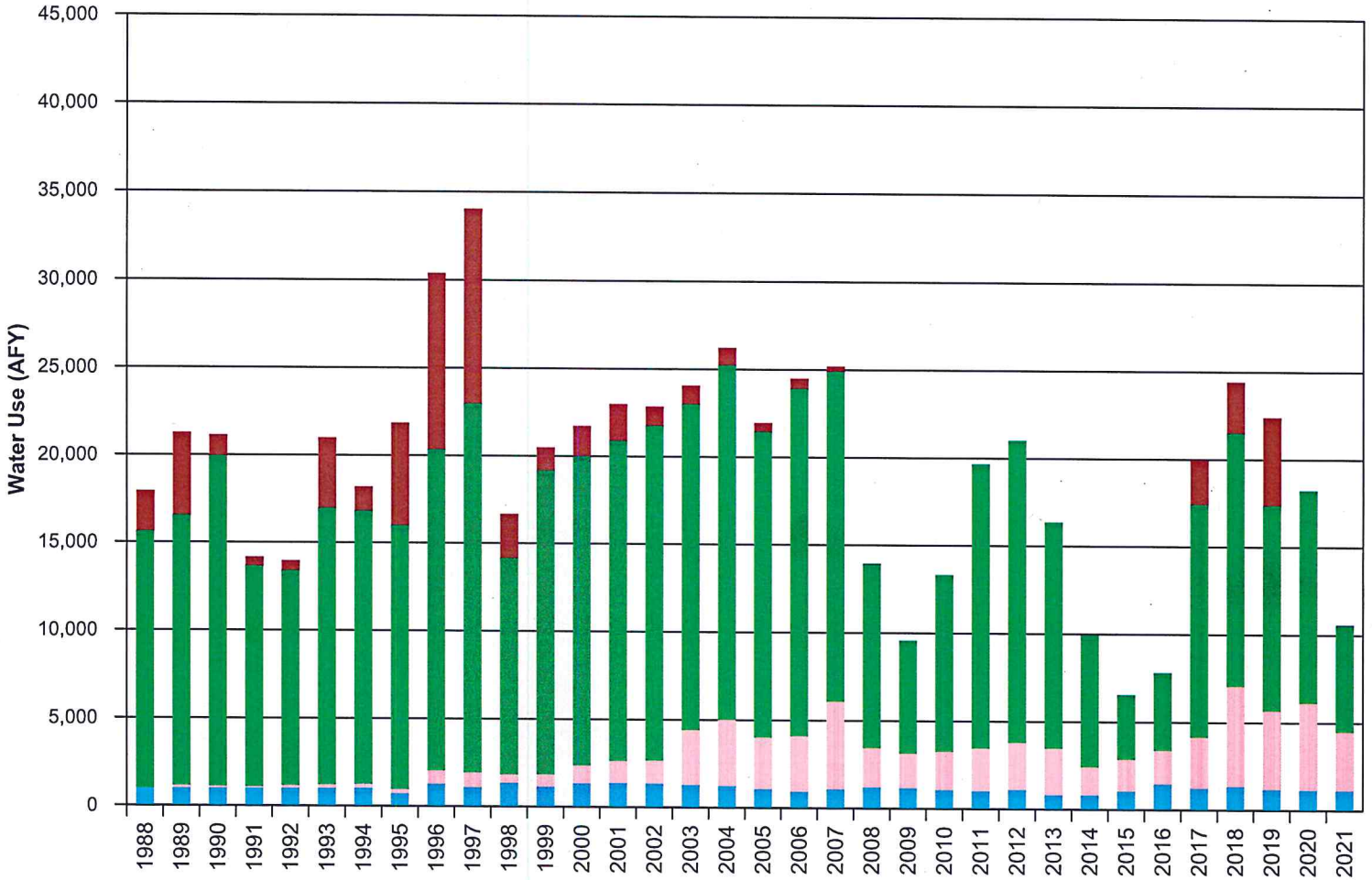

March 2022

TODD GROUNDWATER

Figure 5 2
Total CVP Water Use by Source and MA 1976-2021 (AFY)

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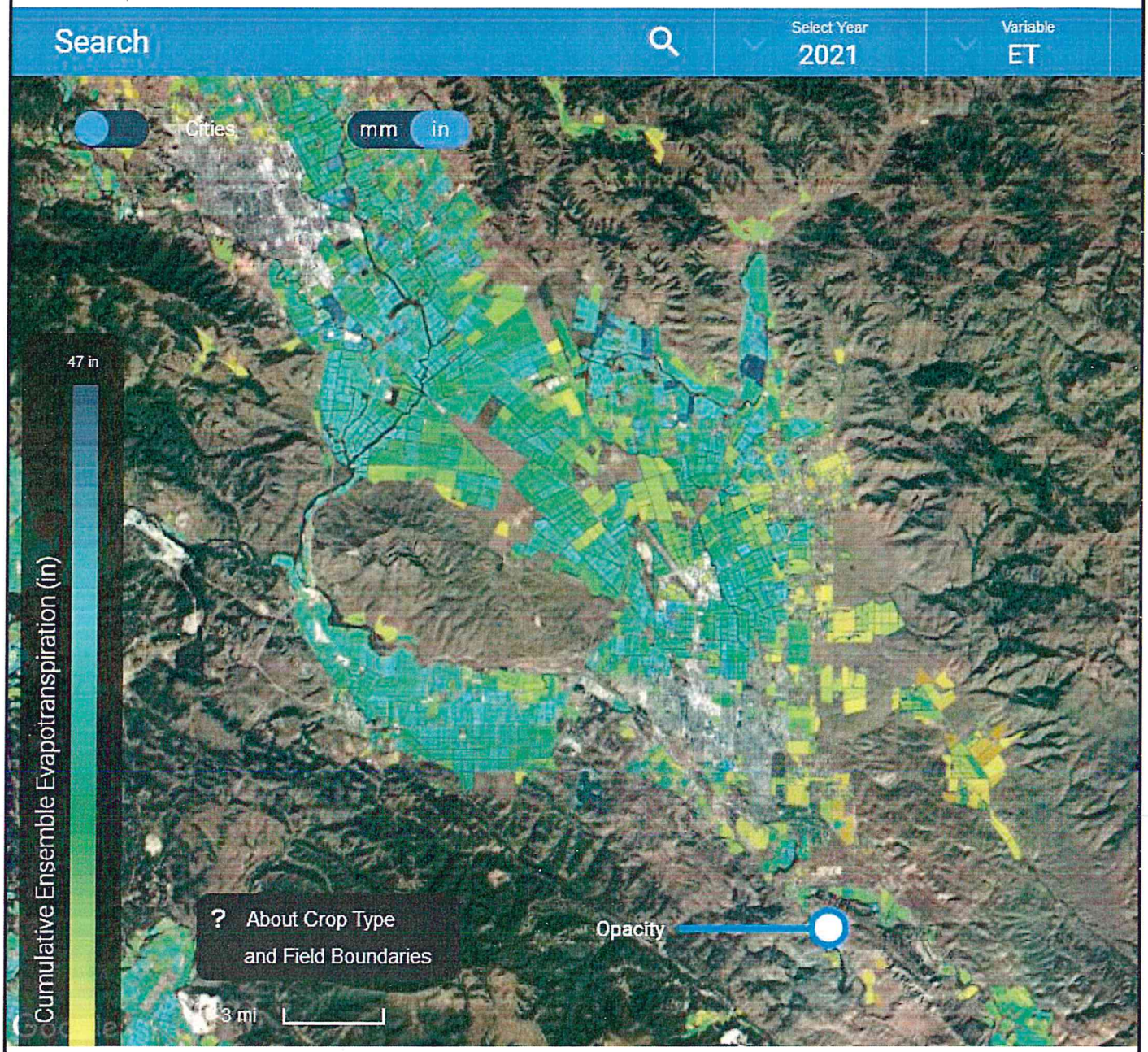


March 2022

TODD GROUNDWATER

Figure 5-3
OpenET Public Data Viewer

TABLE 5-2. TOTAL WATER USE, AF

Management Area	Water Type	User Type	2018	2019	2020	2021	Method
Southern	Groundwater	M&I and Domestic	70	71	72	73	Simulated
		Agricultural	7,738	6,830	7,435	8,087	Simulated
Hollister	Groundwater	M&I and Domestic	2,673	1,632	1,880	3,571	Simulated
		Agricultural	40,831	35,724	39,336	46,683	Simulated
	CVP	M&I and Domestic	5,605	4,334	3,937	3,314	Reported Flow Meters
		Agricultural	8,143	7,864	8,564	4,519	Reported Flow Meters
	Recycled Water	M&I and Domestic	107	108	97	21	Reported Flow Meters
		Agricultural	364	461	428	405	Reported Flow Meters
San Juan	Groundwater	M&I and Domestic	777	785	793	799	Simulated
		Agricultural	17,394	15,935	17,463	18,826	Simulated
	CVP	M&I and Domestic	74	123	1,016	27	Reported Flow Meters
		Agricultural	6,310	3,867	3,602	1,561	Reported Flow Meters
Bolsa	Groundwater	M&I and Domestic	24	25	25	25	Simulated
		Agricultural	25,962	23,858	25,124	29,449	Simulated
Total	**Groundwater**	**All**	**95,469**	**84,858**	**92,128**	**107,513**	**Simulated**
	CVP	**All**	**20,131**	**16,188**	**17,119**	**9,421**	**Reported Flow Meters**
	Recycled Water	**All**	**471**	**569**	**526**	**426**	**Reported Flow Meters**
	TOTAL	**ALL**	**116,072**	**101,615**	**109,773**	**117,360**	**Various**

6-WATER MANAGEMENT ACTIVITIES

As presented in the North San Benito GSP, the GSAs have been actively managing their local groundwater resources for decades with various projects and management actions. The GSP summarizes ongoing efforts, indicates supplementary work on those efforts, and identifies potential future projects and management actions. This Annual Report provides an update on significant progress.

As defined in the GSP, *Projects* are substantial efforts that involve an increase in water supply or a reduction in demand for the GSP Area. Projects outlined in the GSP include:

- Develop Surface Water Storage (Pacheco Reservoir Expansion Project)
- Expand Managed Aquifer Recharge (MAR)
- Enhance Conjunctive Use
    - Hollister Urban Area Water and Wastewater Project
    - City of San Juan Bautista Regional Water and Wastewater Solution
    - North County Project
    - Zone 3 Operations Planning Tool
- Enhance Water Conservation.

Actions provide a framework for groundwater management and include establishing GSP procedures or policies, filling data gaps with scientific studies or improved monitoring, and providing for funding. Management Actions identified in the GSP include:

- Improve Monitoring Program and Data Management System (DMS)
- Measure agricultural groundwater extraction
- Improve monitoring well network and DMS
    - Improve water quality monitoring program
    - Enhance surface water gaging
- Develop Response Plans
- Enhance Water Quality Improvement Programs
- Reduce Potential Impacts to Groundwater Dependent Ecosystems (GDEs)
- Provide Long-term Basin-wide Funding Mechanism
- Provide GSP Administration, Monitoring, and Reporting.

The projects and management actions are presented in the GSP with an Implementation Plan that extends to 2045 in five-year intervals; the last interval includes the 2042 deadline for the 20-year implementation to achieve and demonstrate sustainability. Not all projects and management actions are updated specifically in this first Annual Report. This recognizes that the GSP was just adopted in January 2022 and focuses on projects and management actions with active implementation.

It is noted that the District monitoring program is summarized in Section 2, presenting the basis for subsequent information and analyses. Importation and distribution of CVP water in Zone 6 is described in Section 5. Sources of revenue to support District operations are presented in this section.

6-WATER MANAGEMENT ACTIVITIES

Surface Water Storage

Pacheco Reservoir Expansion Project. The surface water storage project with the most advanced planning is the Pacheco Reservoir Expansion Project (PREP). PREP is a collaborative effort of Valley Water, San Benito County Water District, and Pacheco Pass Water District. The project would establish a new dam and expanded reservoir on the North Fork of Pacheco Creek that would store local watershed inflows and CVP supplies for use by the involved agencies. Recent progress includes completion and release in November 2021 of the Draft Environmental Impact Report (EIR) on the Pacheco Reservoir Expansion Project for public review. The next step would be preparation of a Final EIR that addresses public comments.

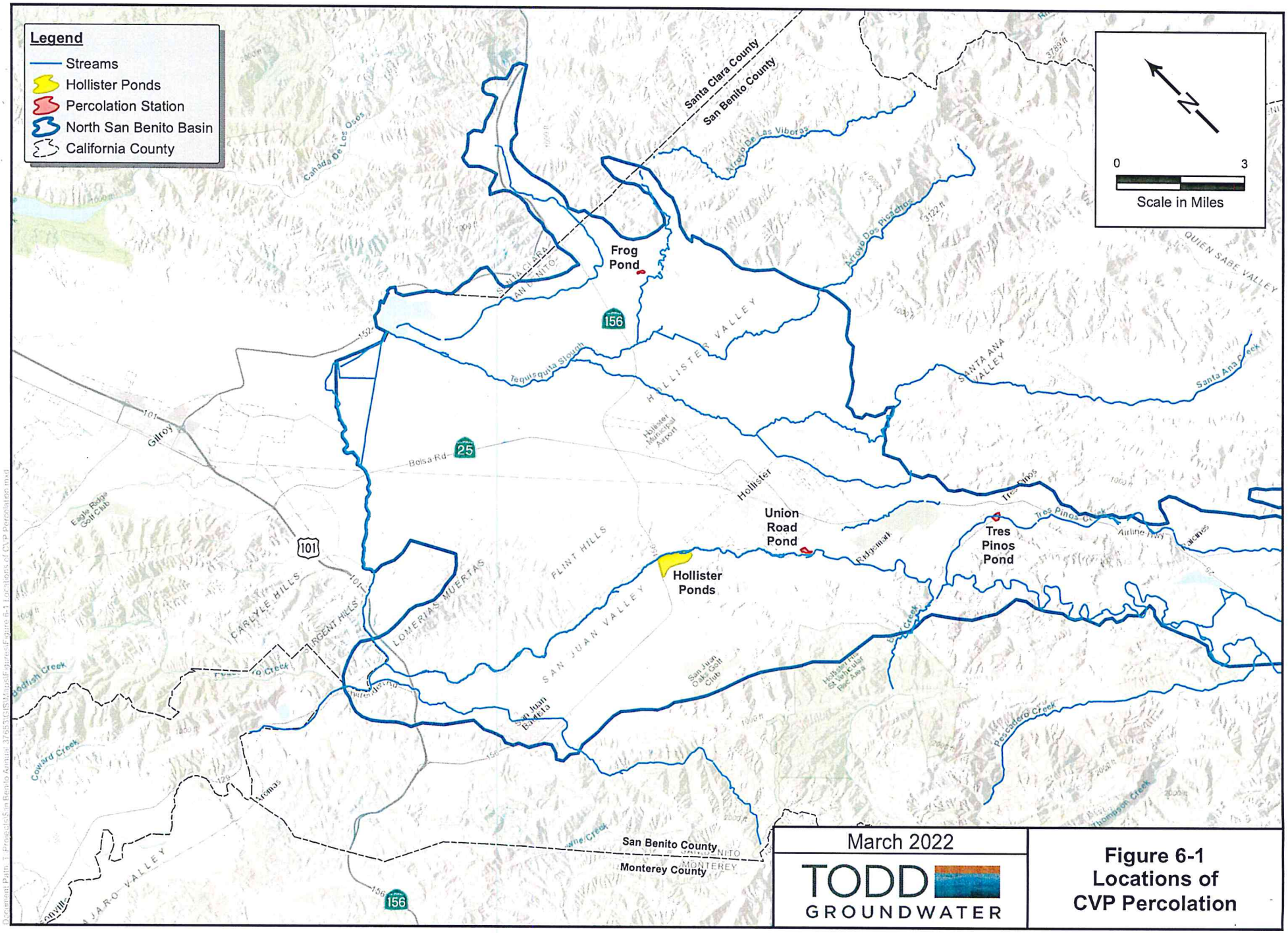
Managed Percolation

Ongoing North San Benito Basin management includes percolation of local surface water, wastewater, and CVP water. Considering climate change and potential growth in urban and agricultural water demand, the GSP recognizes the importance of continued percolation activities.

Percolation of Local Surface Water. In most years, local surface water is released from Hernandez and Paicines reservoirs for percolation along the San Benito River and Tres Pinos Creek (see **Appendix D**). Releases are managed to maximize percolation along the stream channels of the San Benito River and Tres Pinos Creek and to avoid any losses out of the basin. Hernandez Reservoir releases in 2021 were below average (reflecting the below normal rainfall), amounting to 7,480 AF. Releases from Paicines were 504 AF, also below average.

Percolation of Wastewater. Wastewater is percolated by the City of Hollister at its Domestic and Industrial plants, by SSCWD at its Ridgemark Facilities, and by Tres Pinos County Water District. While the City of San Juan Bautista wastewater treatment plant also discharges wastewater, the flows are not considered to percolate to the groundwater basin because of local hydrogeologic conditions that result in outflow to San Juan Creek. Recent changes in operation of the wastewater facilities (including increased water recycling) and decreased municipal water use have decreased the volume percolating to the groundwater. Information about the amount of groundwater recharged from wastewater facilities is found in **Appendix D**.

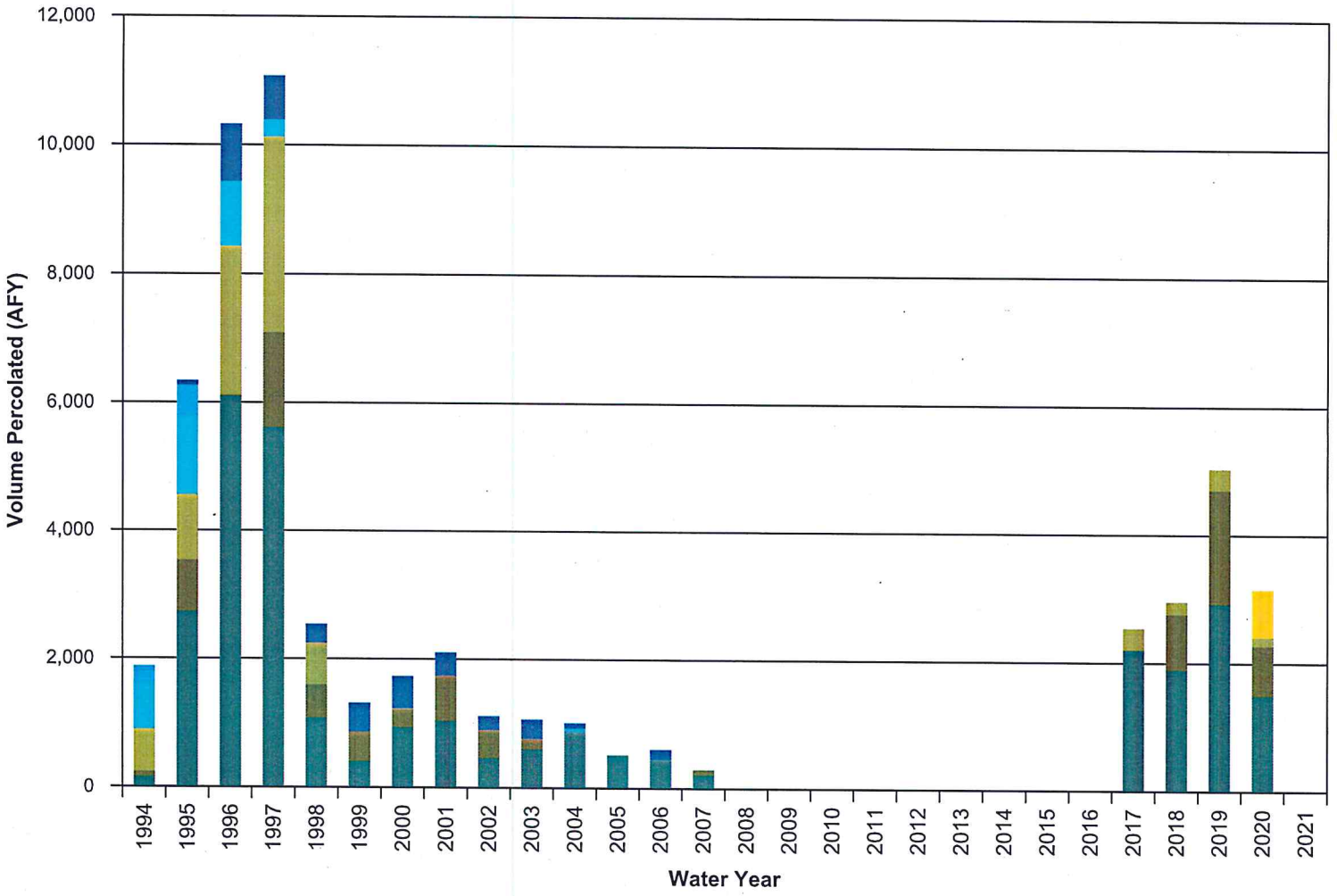
Percolation of CVP Water. In Water Year 2021, the District only percolated 28 AF of CVP water because CVP allocations were severely reduced. In normal and wet years, the District percolates in four dedicated off-stream basins; locations are shown in **Figure 5-1. Figure 5-2** shows the volume of CVP recharge by major water way over time. The managed recharge of the imported water was critical in replenishing the basin in the 1980s and 1990s; however, the threat of zebra mussel contamination and low CVP allocations prevented the practice from 2008 to 2016. The District has resumed recharge at dedicated basins adjacent to streams.



March 2022

TODD GROUNDWATER

Figure 6-1
Locations of CVP Percolation



March 2022

TODD GROUNDWATER

Figure 6-2
Volume of Percolation

Path: \\todd-file\data\Projects\San Benito Annual 37653\GRAPHICS\Figure 6-2 Volume of percolation.grj

6-WATER MANAGEMENT ACTIVITIES

Managed Aquifer Recharge Study

A managed aquifer recharge (MAR) study has been conducted as part of GSP development to evaluate potential locations, general methods of recharge, and multiple sources of water throughout the entire basin. To evaluate locations, the MAR study has used best available information on recharge parameters and applied a detailed geographic information system (GIS) index-overlay method to evaluate potential locations. Numerical modeling also was applied to assess issues such as mounding, migration, and recovery of recharge water. The combination of water source, method, and location that currently appears to have the greatest advantages and the fewest disadvantages involves recharge of CVP water using injection or Aquifer Storage Recovery (ASR) wells in the Hollister MA.

Injection wells were selected as the best method for implementing MAR in the Basin. Disadvantages (including relatively high installation and operation and maintenance costs) are outweighed by advantages, including low land costs, avoidance of percolation rate limitations, and a long potential recharge season. Injection wells also have two important water quality benefits. First, injection avoids moving poor-quality shallow groundwater down to deep water-supply aquifers, and second, it dilutes the mineral content of native groundwater and thereby improves the quality of water pumped from nearby downgradient water supply wells. ASR wells are advantageous in providing recovery/production capabilities in addition to recharge. The MAR study is slated for completion in May 2022.

San Benito County Water District (SBCWD) is currently planning for a multi-year pilot study to assess the physical potential for injection of CVP water north of the City of Hollister. This pilot study would include a single well and associated distribution system connection and control systems designed for ASR. The study would be permitted through the State Water Resources Control Board (SWRCB) statewide general order for ASR (SWRCB 2012). The SBCWD, in its capacity as a GSA for the Basin, will pursue grant funding for a pilot ASR study in upcoming GSP grant cycles.

Water Resources Planning and Conjunctive Use

The District has conducted multiple collaborative planning efforts to support groundwater sustainability. As presented in the GSP, SBCWD is engaged in several conjunctive use projects; significant updates and recent accomplishments are summarized below.

Urban Water Management Plan (UWMP) and Agricultural Water Management Plan (AWMP). The UWMP, AWMP, and North San Benito GSP were all under preparation in 2021; this allowed coordination of these three efforts. The District, in collaboration with Sunnyslope County Water District (SSCWD) and the City of Hollister, developed the 2020 UWMP for the Hollister Urban Area, which was submitted to DWR by the July 2021 deadline. The UWMP provides detailed information on the current and future water supply and demand for the Hollister Urban Area and provides a comparison of supply and demand

in normal years plus single-year and multi-year droughts. To address drought and other water shortages, the UWMP promotes water conservation, conjunctive use, and water recycling.

The 2020 Agricultural Water Management Plan (Todd Groundwater, Sept 2021) describes and evaluates water deliveries and uses, sources of supply, water quality, water delivery measurements, water rates and charges, water shortage allocation policies, drought management, and reasonable and practical efficient water management practices. Consistent with the GSP, the AWMP encourages more efficient water use at the farm level, seeks to optimize conjunctive management of imported CVP water with groundwater resources through direct use and groundwater banking and recovery, and promotes implementation of GSP projects and management actions.

Hollister Urban Area Water Project. This project is an ongoing collaborative effort of SBCWD, City of Hollister, and Sunnyslope County Water District to provide a secure and stable water supply to the region. The project has involved provision of water treatment for CVP water, which allows its direct use for municipal and industrial (M&I) purposes. It also allows delivery of improved quality water to customers. While recent USBR allocations for M&I users have been reduced because of drought (see Section 5), the availability of water treatment capacity remains an important element of sustainability.

City of San Juan Bautista Regional Water and Wastewater Solution. As described in the GSP, the Regional Solution involves importing high quality water from the West Hills WTP to San Juan Bautista, replacing groundwater use, removing residential self-generating water softeners, reducing industrial salt loading to the City wastewater, and then conveying San Juan Bautista wastewater to the City of Hollister WWTP. This project is in planning stages; next steps include preparation of the preliminary design report for the sanitary sewer force main project, a sewer rate study, and CEQA compliance.

North County Project. In March 2021, an 810-foot-deep test well was installed just east of the intersection of Highway 156 and San Felipe Road in an area of generally good water quality. Two rounds of sampling occurred (in February and again in June 2021 with discrete zone sampling). The sampling indicated poor water quality (elevated TDS and nitrate) throughout the aquifer zones at that location (Todd Groundwater, 2022). It was recommended that the Test Well be retained and incorporated into the North San Benito GSP groundwater level and quality monitoring program.

Zone 3 Operations Planning Tool. The Zone 3 Operations Planning Tool is continuing to be updated annually and applied to guide Hernandez and Paicines reservoir operations.

Water Recycling. Water recycling is an ongoing conjunctive use project with the City of Hollister. Recycled water currently is provided to approximately 865 acres for agricultural production and landscape irrigation. Recycled water use is documented in Section 5 and Appendix D.

6-WATER MANAGEMENT ACTIVITIES

Water Conservation

Water conservation is an important tool to manage demands on the groundwater basin particularly during drought. Water conservation efforts in San Benito County are conducted through the Water Resources Association (WRA). WRA is a cooperative effort among the District, City of Hollister, City of San Juan Bautista, and Sunnyslope County Water District. Following two dry winters and the Governor's proclamations of drought emergencies, Stage 1 -Voluntary Water Conservation was initiated for customers of the City of Hollister, City of San Juan Bautista, and the Sunnyslope County Water District. A special focus was placed on landscape irrigation because over 50% of residential water use is for landscape irrigation in summer.

In Water Year 2021, the COVID-19 pandemic continued to alter the programs offered by the WRASBC. Field programs resumed but on a limited basis, including irrigation system checks and water softener replacement assistance. These programs were altered to meet all safety measures including social distancing and masks for all participants. Indoor programs such as residential water use surveys were not restarted.

The public education program had been growing steadily over the past several years. The in-person program, which included school visits and guided field trips, was suspended due to COVID-19 but will resume when appropriate. However, WRA staff continued to find creative ways to continue the program. In partnership with the school district, water conservation activity books were distributed to elementary to offer additional enrichment during distance learning. The WRA staff is also pursuing additional education activities including virtual tours of the water treatment and wastewater plants for students.

Public outreach has also shifted to virtual platforms. WRA staff continues to author news articles for the online news sites that serve San Benito County. The articles provided water conservation and efficiency tips that were seasonal in nature and they continue to provide timely advice for water use. To supplement this effort, the WRA is developing a series of water conservation videos for distribution to the local news media and the newly updated WRA website.

WRA has been monitoring changes in water use sectors due to the COVID-19 response. With more residential water use and less water use in the agricultural and business sector, they are focusing their conservation message to residential customers. This focus extends to new residential development in the City. WRA reviews landscape plans for the City of Hollister to make sure that new homes comply with the State's Model Water Efficient Landscape Ordinance (MWELO) and follows up with a post inspection after the landscape materials are installed to ensure the landscape plans were followed.

Finally, WRA continues to provide various rebates (toilets, landscape hardware, etc.). The most popular rebate program is the water softener demolishing/replacement program. With provision of CVP supply for municipal use, the delivered water quality has improved, and customers are willing to abandon unneeded water softeners. This program has the benefit of improving the water quality of municipal wastewater and recycled water.

6-WATER MANAGEMENT ACTIVITIES

Monitoring Program and DMS

The GSP recognized that a single, reliable, and consistent method of measuring agricultural pumping is needed for the entire basin. This was identified as a high-priority action, noting that it is required specifically for annual reporting. SBCWD conducted a brief pilot study in 2021 to test the remote sensing services offered by a private vendor. Exploration of remote sensing options has since been focused on OpenET as a promising option. OpenET is a new online platform (launched in October 2021) that uses satellites to estimate water consumed by crops and other plants and provides free ET data to public water managers throughout the western states. SBCWD is investigating its applicability to accurately evaluating groundwater pumping in North San Benito.

In addition, the GSP's monitoring network assessment provided recommendations for the DMA well inventory, including prompt development of a unique well identification for monitored wells that discontinues use of well names as identifiers. Well identifications were updated to be consistent with DWR site IDs used in the SGMA Portal's Monitoring Network Module (MNM). All wells are identified in this report by State Well Number. Another recommendation was to enhance the DMS with cross-referencing of monitoring sites (groundwater and surface water) relative to location and monitoring for regional groundwater level, groundwater quality, shallow groundwater, subsidence, or managed aquifer recharge. The DMS was updated for groundwater levels, pumping, CVP deliveries, water quality, and reservoir water balances, and cross referencing has been initiated.

Monitoring Well Network

The GSP's assessment of the monitoring network identified data gaps including the uneven distribution of monitored wells across the basin, reliance on private production wells, and insufficient Data on vertical gradients. Installation of new dedicated monitoring wells in the Basin was identified as a top priority to enhance the existing groundwater monitoring network. This need reflected historical data gaps in the Basin related to water level and water quality monitoring and newly identified data gaps related to monitoring groundwater elevations in areas of interconnected surface water monitoring.

In 2021, new dedicated monitoring well locations were selected using a geographically based index overlay methodology. This indexed overlay method included development of GIS datasets and subsequent mapping of these datasets together to find locations that fill multiple data gaps. This process identified areas for the installation of six deep monitoring wells for general groundwater condition monitoring and six shallow monitoring wells for monitoring groundwater levels near areas of interconnected surface water. SBCWD staff located private properties where owners were willing to allow well installation and ongoing monitoring. All the deep and shallow monitoring wells have been constructed and monitoring has begun. These wells will continue to be monitored by SBCWD for inclusion in future annual reports and periodic GSP updates.

6-WATER MANAGEMENT ACTIVITIES

Develop Response Plans

The GSP concludes that the Basin is managed sustainably relative to groundwater levels, but nonetheless, recognizes that declining groundwater levels could occur rapidly and approach MTs during drought. Regular groundwater level monitoring and annual reporting were identified to provide an early warning system. WY 2021 provided real-time experience; groundwater level data and hydrographs were reviewed as they came available. Some changing trends in groundwater levels noted in 2021 may be due in part to land use and pumping changes; more information should be gathered about the volume and location of agricultural pumping.

Similarly, the GSP's review of water quality data has indicated potential for rapid increases in some constituents. While likely indicating a local problem and not a basin-wide sustainability issue, the usefulness of a systematic examination was recognized. Water quality data were compiled and reviewed as part of this Annual Report; no issues were readily identified.

Water Quality Improvement Programs

The GSP identified potential management actions to enhance water quality including collaboration with UC Extension and other organizations toward reduced nitrate and salt loading by agriculture, support to farmers for use of remote sensing to optimize fertilizer applications, and cooperation with the County and local agencies on regulation of water softeners and wastewater treatment/disposal including onsite wastewater treatment systems. In 2021, SBCWD conducted a brief pilot study to test remote sensing not only for ET evaluation, but also to provide additional information on soil moisture and nutrient levels to aid farmers in managing water and fertilizer applications.

As noted above, the most popular rebate program for the WRA is the water softener demolishing / replacement program.

Shallow Monitoring Wells

A recommended management action is to reduce potential impacts to GDEs. Foremost among specific actions is installation of dedicated shallow monitoring wells to measure water table depth at locations where riparian vegetation might potentially be impacted by pumping. In 2021, six shallow monitoring wells were installed at selected locations near the Pajaro River, Pacheco Creek, San Benito River (three sites), and Tres Pinos Creek. Monitoring has begun and will be continued by SBCWD for inclusion in future annual reports and periodic GSP updates.

6-WATER MANAGEMENT ACTIVITIES

Long-term Funding

Groundwater sustainability necessitates the continuation of activities including monitoring, data compilation, data analysis, numerical model update, public outreach and annual reporting, five-year GSP updates, investigations, coordination with other agencies, and program administration. While SBCWD has conducted such activities, SGMA requirements are more comprehensive and rigorous. In addition, the extent of activities encompasses the entire North San Benito Groundwater Basin. Accordingly, the GSP identifies management actions to provide for long-term, basin wide funding.

This section describes SBCWD's ongoing sources of operating revenue for Zone 6 and presents an update on establishment of a groundwater management fee for the entirety of the North San Benito Basin.

Financial Information

The District derives its operating revenue from charges levied on landowners and water users. Non-operating revenue is generated from property taxes, interest, standby and availability charges, and grants. District zones of benefit are listed in **Appendix A**. Zone 6 charges, relating to the importation and distribution of CVP water, are the focus of this section. A brief Annual Groundwater Memorandum Report (Appendix A) was presented to the SBCWD Board of Directors on January 10, 2022 including the recommended groundwater rates and presenting the technical justification for the rates.

Table 5-1 presents the groundwater charges for Zone 6 water users, which reflect costs associated with monitoring and management. A full worksheet of how groundwater charges are determined can be found in **Appendix F**. Groundwater charges are adjusted annually in March. For March 2021 – February 2022, District rates are $13.55 for agricultural use and $40.55 for M&I use. The District adopts rates on a three-year cycle.

TABLE 6-1. ADOPTED GROUNDWATER CHARGES

Year	Agriculture ($/AF)	M&I ($/AF)
2021-2022	$13.55	$40.55
2022-2023	$13.55	$40.55

CVP rates (provided by the USBR) include the cost of service, restoration fund payment, charges for maintenance of San Luis Delta Mendota Water Authority facilities, and other fees (the breakdown is found in **Appendix F**). The District's blue valve rates (paid by users of CVP water) include a water charge and a power charge. Additionally, the standby and availability charge is a $6 per-acre charge assessed on

all parcels with access to CVP water (an active or idle turnout from the distribution system). **Table 5-2** shows the CVP water charge and **Table 5-3** shows the CVP power charge.

TABLE 6-2. ADOPTED BLUE VALVE WATER CHARGES

	Blue Valve Water Charge ($/AF)				
	Agricultural			Municipal & Industrial	
Year	Non - Full Cost	Full Cost (1a)	Full Cost (1b)	Small Parcel & Contract	Wholesale
2021-2022	$274.00	$411.00	$433.00	$424.00	$424.00
2022-2023	$274.00	$411.00	$433.00	$424.00	$647.00

TABLE 6-3. ADOPTED BLUE VALVE POWER CHARGES

Blue Valve Power Charge ($/AF)	Subsystem 2	Subsystem 6H	Subsystem 9L	Subsystem 9H	All other subsystems
2021-2022	$85.35	$41.50	$93.55	$138.25	$35.75
2022-2023	$85.35	$41.50	$93.55	$138.25	$35.75

Recycled water charges (**Table 5-4**) are set to recover current operating and maintenance costs related to the water service. Recycled water rates include those associated with water supply, water quality, and infrastructure.

TABLE 6-4. ADOPTED RECYCLED WATER CHARGES

	Recycled Water ($/AF)	
Effective	Agriculture Rate	Power Charge
3/1/2021	$210.00	$61.85
4/1/2022	$211.00	$63.09

6-WATER MANAGEMENT ACTIVITIES

Groundwater Management Fee

The District is authorized by California Water Code Section 10730(a), to collect fees to recover costs for GSP development, monitoring, and GSP Annual Reports. In July 2021, the SBCWD Board of Directors passed two resolutions respectively to levy a groundwater management fee and to request that the County of San Benito collect the groundwater management fee on the property tax rolls. The groundwater management fee is based on assessor's parcels and acreage, as the most appropriate way to ensure property owners are paying their fair share toward cost recovery. The annual rates are shown in **Table 6-5**.

Land categories as outlined below have been identified as the basis for application of fees to land within the basin:

- Valley areas overlying productive portions of the basin and benefitting significantly from GSP development and implementation, including major municipal and industrial areas, will be charged a land-based fee.
- Upland areas (UA) with less access to groundwater and insignificant benefit of groundwater management and GSP development will not be charged a fee.

TABLE 6-5. GROUNDWATER MANAGEMENT FEE

Groundwater Management Fee ($/Acre)	
2021-2022	$5.77
2022-2023	$5.92
2023-2024	$6.07
2024-2025	$6.23
2025-2026	$6.39

Those who receive their water through municipal agencies pay fees to their respective agencies. All other landowners are charged a fee as part of their San Benito County tax bill. It is expected that the District will have sufficient data to revise the Groundwater Management Fee to account for cost-recovery of extraction measurements during the Periodic Update of the GSP, in five years.

SGMA Indicators

Of the six sustainability criteria developed by DWR, five are relevant to North San Benito Basin (seawater intrusion is not relevant). As documented in the GSP, the basin has been and is being managed sustainably relative to all criteria. Accordingly, sustainability does not need to be achieved, but it does need to be maintained through the planning and implementation horizon. This will involve continuation and improvement of existing management actions—most notably import of Central Valley Project (CVP) water and its conjunctive use with groundwater. It also will include improvement and expansion of management actions and monitoring.

TABLE 7-1. SGMA INDICATORS

	Indicator	Status of Minimum Threshold
	Groundwater-Level Declines	Compile water level data. Compare key wells elevations with MTs
	Groundwater-Storage Reductions	Compute groundwater storage using the numerical model.
	Water-Quality Degradation	Compile water quality data. Summarize the findings for the triennal review.
	Land Subsidence	Download and review DWR InSar data
	Interconnected Surface-Water Depletions	Review key shallow wells elevations with MTs

While the North San Benito Basin has been managed sustainably, the following sustainability criteria were defined in the GSP because potential exists for undesirable results.

- The Minimum Threshold relative to **chronic lowering of groundwater levels** is defined at designated Key Wells by historical groundwater low levels adjusted to provide reasonable protection to nearby wells. Undesirable results are indicated when two consecutive exceedances occur in each of two consecutive years, in 60 percent or more of the Key Wells (e.g., three of five wells) in each Management Area. The Measurable Objective is to maintain

groundwater levels above the MTs and to maintain groundwater levels within the historical operating range.

- The Minimum Threshold for **reduction of storage** for all Management Areas is fulfilled by the minimum threshold for groundwater levels as proxy. The Measurable Objective for storage is fulfilled by the MT for groundwater levels, which maintains groundwater levels within the historical operating range.
- The Minimum Threshold for **land subsidence** is defined as a rate of decline equal to or greater than 0.2 feet in any five-year period. This has been considered in terms of a potential cumulative decline equal to or greater than one foot of decline since 2015; 2015 represents current conditions and the SGMA start date. The extent of cumulative subsidence across the basin will be monitored and evaluated using InSAR and UNAVCO data. Subsidence is closely linked to groundwater levels, and it is unlikely that significant inelastic subsidence would occur if groundwater levels remain above minimum thresholds.
- The Minimum Thresholds for **degradation of water quality** address nitrate and TDS for each MA. The MT for nitrate is defined initially as the percentage of wells with concentrations exceeding the nitrate Maximum Contaminant Limit (MCL) (45 mg/L) based on current conditions (2015-2017). The MT for TDS is defined initially as the percentage of wells with concentrations exceeding the TDS value of 1,200 mg/L based on current conditions. The Measurable Objectives for both are defined as maintaining or reducing the percentage of wells with median concentrations exceeding the MTs.
- The Minimum Threshold for **depletion of interconnected surface water** is the amount of depletion associated with the lowest water levels during the 1987-1992 drought, with some adjustments made for wells with groundwater levels lower in 2016 than in 1992. Undesirable results would occur if more than 25 percent of monitored wells within 1 mile of a shallow water table reach along the Pajaro River, Pacheco Creek, San Benito River, or Tres Pinos Creek had static spring water levels lower than the lowest static spring water level during 1987-1992.

Updates on SGMA Indicators

Chronic lowering of groundwater levels. Sustainability criteria (minimum thresholds and measurable objectives) for groundwater levels rely on a network of representative monitoring wells (Key Wells). The MT for specific wells was based on its historical low levels and adjusted as needed to minimize any risk to nearby domestic wells of future low-water levels. For each Management Area, **Figures 3-4 through 3-7** show the Key Well hydrographs and their respective MTs for groundwater levels. Current water levels are above the MT in all Key Wells. **Table 7-3** lists the 22 Key Wells and their respective MTs, as well as the minimum groundwater elevation for WY 2021. Groundwater elevations were measured above the MT in 17 wells, three wells were flowing artesian wells (and thus above the MT), and two wells were listed as temporarily inaccessible. Overall, the data indicate that the basin is not currently affected by undesirable results due to chronic lowering of groundwater levels.

TABLE 7-2. KEY WELLS

Groundwater Level Key Well	MA	Minimum Threshold Depth to Water (ft-bgs)	Minimum Threshold Elevation ft (NAVD 88)	Minimum Groundwater Elevation ft WY 2021
11-4-25H2	Bolsa	145.0	4.0	63.5
11-5-21E2	Bolsa	63.0	92.0	Artesian
11-5-28B1	Bolsa	102.0	66.0	Artesian
12-5-06L1	Bolsa	176.0	1.0	140.6
12-5-17D1	Bolsa	185.0	32.0	54.0
11-5-13D1	Hollister	97.0	161.0	202.2
11-5-35G1	Hollister	104.0	102.0	173.8
12-5-03B1	Hollister	96.0	86.0	Artesian
12-5-24N1	Hollister	160.0	110.0	Temporarily inaccessible
12-5-34P1	Hollister	150.0	144.0	222.5
12-6-06L4	Hollister	64.0	184.0	215.0
13-6-19K1	Hollister	109.0	313.0	357.8
12-4-17L20	San Juan	47.0	93.0	117.5
12-4-26G1	San Juan	152.0	58.0	146.7
13-4-01K1	San Juan	75.0	148.0	Temporarily inaccessible
13-4-03H1	San Juan	155.0	52.0	139.3
13-5-6L1	San Juan	110.0	131.5	127.1
14-6-13B1	Southern	59.0	637.0	637.4
14-6-26F0	Southern	45.0	556.0	635.9
14-6-26H1	Southern	136.0	609.0	626.5
14-6-26K1	Southern	73.0	623.0	638.4
14-7-20K1	Southern	79.0	687.0	711.4

Reduction of storage. This indicator is tracked using the groundwater levels at key wells as a proxy. In addition, the change in groundwater in storage is estimated by the numerical model (Section 4). The groundwater level data indicate that the basin is not currently affected by undesirable results due to depletion of groundwater storage.

Land Subsidence. Land subsidence is tracked using the regional InSAR data and the site-specific UNAVCO station data provided by DWR) on its SGMA Data Viewer (DWR 2021). While the UNAVCO data for station P242 continue to indicate land surface decline at that site in Bolsa MA, the newly released InSAR data set (v2021) shows no negative displacement across the North San Benito Basin. A more comprehensive analysis of the potential for subsidence will be included in the five-year GSP update.

Degradation of water quality. Water quality (TDS, nitrate) continues to be monitored in the SBCWD Water Quality Monitoring Program. The annual data were reviewed for any trends and updated to the DMS. However, it is recognized that the water quality Minimum Threshold is based on the Triennial Update, which compiles data from the State Division of Drinking Water, Regulated Facilities, and Irrigated Lands Program. These involve data collection on various schedules but generally within three years. A detailed analysis and comparison of triennial data with the Minimum Thresholds will be performed as part of the Periodic Evaluation of the GSP in five years.

Depletion of interconnected surface water. Nineteen wells are currently monitored for water levels within 1 mile of stream reaches where spring depth to water is typically 20 feet or less and are not separated from the reach by a fault. The locations of the wells are shown as orange dots in **Figure 3-4** through **3-7** for each management area. The MT for these wells is based on spring 1992 water levels or in some cases Spring 2016, whichever was lower. **Table 7-3** lists the nineteen wells and their respective MTs, as well as the groundwater elevation for Spring 2021. Based on spring water levels, 16 wells had groundwater elevations measured above the MT and one well was a flowing artesian and thus above the MT. One well was listed as temporarily inaccessible. Only one of the key wells for surface water interconnection was below the MT. More analysis is needed at this well to understand the seasonal variation. Future monitoring will include monthly sampling to provide more baseline data about the spring season. This one well represents six percent of the total monitored in Spring 2021. To represent an undesirable result, the MT indicates that 25 percent of wells would show levels below the MT. This has not occurred as of 2021.

TABLE 7-3. INTERCONNECTED SURFACE WATER WELLS

Surface Water / GDE Key Well	Spring MT Groundwater Elevation (ft NAVD88)	Depth to Water (ft)	Groundwater Elevation ft Spring 2021	Above MT
11-4-26B1	127.0	18.0	130.9	Y
11-4-34A1	128.0	14.0	131.6	Y
11-5-13D1	214.0	44.0	217.0	Y
11-5-20N1	90.0	61.0	85.6	N
11-5-27P2	122.0	64.0	170.8	Y
11-5-28B1	128.0	39.0	Artesian	Y
12-4-17L20	113.0	27.0	122.3	Y
12-4-21M1	120.0	51.0	145.1	Y
12-4-26G1	114.0	96.0	173.5	Y
12-4-34H1	117.0	82.0	147.4	Y
13-5-11E1	220.0	87.0	264.1	Y
13-5-13F1	316.0	31.0	331.8	Y
13-6-19J1	412.0	38.0	Temporarily inaccessible	-
13-6-19K1	341.0	81.0	361.9	Y
14-6-13B1	633.0	63.0	640.7	Y
14-6-35B1	637.0	69.0	639.6	Y
14-6-26K1	618.0	50.0	636.5	Y
14-6-26F0	624.0	68.0	640.5	Y
14-6-26H1	620.0	62.0	653.9	Y

8-RECOMMENDATIONS

District policies and programs have served to effectively manage water resources for many years. The District, working collaboratively with other agencies, has eliminated historical overdraft through importation of CVP water, has developed and managed multiple sources of supply to address drought, has established an active and effective water conservation program, has initiated programs to protect water quality, and has improved delivered water quality to many municipal customers. The District also has provided consistent reporting and outreach. The following recommendations are responsive to the District Act and support effective management consistent with SGMA.

Monitoring Programs

Through GSP implementation, the monitoring programs will continue to be improved to provide the SBCWD Board of Directors with information to support management of the groundwater supplies of the District and its zones. Detailed monitoring recommendations are being developed as part of the GSP, including accurate measurement of groundwater pumping, which has been identified as an important data gap. Accurate groundwater production data is consistent not only with SGMA but also with the District Act, by which the Board of Directors can order an Annual Report, which reports on total production of water from the groundwater supplies of the District during the water year. This supports the following recommendations, provided in response to the District Act, as to the quantity of water needed for surface delivery and for replenishment of groundwater supplies, and whether or not a groundwater charge should be levied and if so, what rate per acre-foot.

Groundwater Production and Replenishment

Past District percolation operations helped to reverse historical overdraft and then accumulate a water supply reserve. The District currently manages groundwater storage and surface water to minimize excessively high or low groundwater elevations on a temporal and geographic basis. The District should continue to operate Hernandez and Paicines to improve downstream groundwater conditions. In 2021, the District provided off-channel percolation of CVP water; this too should be continued given availability of CVP water and persistence of local low groundwater levels. Basin-wide analysis of opportunities for additional percolation is being conducted as part of the Round 3 Managed Aquifer Recharge Study to develop additional percolation capacity to capture and store available imported water when available; such replenishment operations are critical to sustainable groundwater supply.

Groundwater Charges

The groundwater charge for the USBR contract year (March 2022-February 2023) is recommended to be $13.55 per AF for agricultural use in Zone 6 and a groundwater charge of $40.55 per AF is recommended for M&I use. The District adopts rates on a three-year cycle. Current water rates were adopted January 30, 2019.

9-REFERENCES

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APPENDIX A REPORTING REQUIREMENTS

SGMA Annual Report Elements Guide

SGMA Annual Report Data Upload

List of Tables

Water Code Appendix 70 Excerpts

Memorandum Report:

San Benito County Water District Annual Groundwater Report for January 10, 2022 Meeting of the Board of Directors

Groundwater Sustainability Plan Annual Report Elements Guide

Basin Name			
GSP Local ID			
California Code of Regulations - GSP Regulation Sections	***Groundwater Sustainability Plan Elements***	**Document *page number(s) that address the applicable GSP element.***	***Notes: Briefly describe the GSP element does not apply.***
Article 5	**Plan Contents**		
Subarticle 4	***Monitoring Networks***		
§ 354.40	**Reporting Monitoring Data to the Department**		
	Monitoring data shall be stored in the data management system developed pursuant to Section 352.6. A copy of the monitoring data shall be included in the Annual Report and submitted electronically on forms provided by the Department.	21-28;101-102	
	Note: Authority cited: Section 10733.2, Water Code. Reference: Sections 10728, 10728.2, 10733.2 and 10733.8, Water Code.		
Article 7	**Annual Reports and Periodic Evaluations by the Agency**		
§ 356.2	**Annual Reports**		
	Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan. The annual report shall include the following components for the preceding water year:		
	(a) General information, including an executive summary and a location map depicting the basin covered by the report.	9-11	
	(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:		
	(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:		
	(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.	43-45	
	(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.	21-28	
	(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.	41; 58	
	(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.	52-58; 60-62;107-112	

California Code of Regulations - GSP Regulation Sections	*Groundwater Sustainability Plan Elements*	Document *page number(s) that address the applicable GSP element.*	*Notes: Briefly describe the GSP element does not apply.*
	(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.	41;58; 83-86	
	(5) Change in groundwater in storage shall include the following:		
	(A) Change in groundwater in storage maps for each principal aquifer in the basin.	47	
	(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.	119-122	
	(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.	63-76	

Basin Number	**3-003.05**
Water Year	2021 (Oct. 2020 - Sept. 2021)
Total Groundwater Extractions (AF)	107,513
Water Use Sector Urban (AF)	4,468
Water Use Sector Industrial (AF)	
Water Use Sector Agricultural (AF)	103,045
Water Use Sector Managed Wetlands (AF)	
Water Use Sector Managed Recharge (AF)	-
Water Use Sector Native Vegetation (AF)	-
Water Use Sector Other (AF)	
Water Use Sector Other Description	Urban includes all municipal and industrial uses

Basin Number	3-003.05
Water Year	2021 (Oct. 2020 - Sept. 2021)
Meters Volume (AF)	-
Meters Description	
Meters Type	
Meters Accuracy (%)	
Meters Accuracy Description	
Electrical Records Volume (AF)	
Electrical Records Description	
Electrical Records Type	
Electrical Records Accuracy (%)	
Electrical Records Accuracy Description	
Land Use Volume (AF)	
Land Use Description	
Land Use Type	
Land Use Accuracy (%)	
Land Use Accuracy Description	
Groundwater Model Volume (AF)	107,513.0
Groundwater Model Description	Numerical Model developed for the GSP and updated for the Annual Report
Groundwater Model Type	MODFLOW
Groundwater Model Accuracy (%)	UNK
Groundwater Model Accuracy Description	Without data on the actual water use it is impossible to calculate the % accuracy
Other Method(s) Volume (AF)	
Other Method(s) Description	
Other Method(s) Type	
Other Method(s) Accuracy (%)	
Other Method(s) Accuracy Description	

Basin Number	3-003.05
Water Year	2021 (Oct. 2020 - Sept. 2021)
Methods Used To Determine	Meters
Water Source Type Central Valley Project (AF)	9,421
Water Source Type State Water Project (AF)	-
Water Source Type Colorado River Project (AF)	-
Water Source Type Local Supplies (AF)	-
Water Source Type Local Imported Supplies (AF)	-
Water Source Type Recycled Water (AF)	426
Water Source Type Desalination (AF)	-
Water Source Type Other (AF)	-
Water Source Type Other Description	-

Basin Number	3-003.05
Water Year	2021 (Oct. 2020 - Sept. 2021)
Total Water Use (AF)	117,360
Methods Used To Determine	
Water Source Type Groundwater (AF)	107,513
Water Source Type Surface Water (AF)	
Water Source Type Recycled Water (AF)	426
Water Source Type Reused Water (AF)	
Water Source Type Other (AF)	9,421
Water Source Type Other Description	CVP
Water Use Sector Urban (AF)	7,830
Water Use Sector Industrial (AF)	
Water Use Sector Agricultural (AF)	109,530
Water Use Sector Managed Wetlands (AF)	
Water Use Sector Managed Recharge (AF)	
Water Use Sector Native Vegetation (AF)	-
Water Use Sector Other (AF)	
Water Use Sector Other Description	Urban includes all municipal and industrial use.

APPENDIX A REPORTING REQUIREMENTS

The San Benito County Water District Act (1953) is codified in California Water Code Appendix 70. Section 70-7.6 authorizes the District Board of Directors to require the District to prepare an annual groundwater report; this report addresses groundwater conditions of the District and its zones of benefit (**Table A-1**) for the water year, which begins October 1 of the preceding calendar year and ends September 30 of the current calendar year. The Board has consistently ordered preparation of Annual Reports, and the reports have included the contents specified Section 70-7.6:

- An estimate of the annual overdraft for the current water year and for the ensuing water year
- Information for the consideration of the Board in its determination of the annual overdraft and accumulated overdraft as of September 30 of the current year
- A report as to the total production of water from the groundwater supplies of the District and its zones as of September 30 of the current year
- Information for the consideration of the Board in its determination of the estimated amount of agricultural water and the estimated amount of water other than agricultural water to be withdrawn from the groundwater supplies of the District and its zones
- The amount of water the District is obligated to purchase during the ensuing water year
- A recommendation as to the quantity of water needed for surface delivery and for replenishment of the groundwater supplies of the District and its zones during the ensuing water year
- A recommendation as to whether or not a groundwater charge should be levied in any zone(s) of the District in the ensuing water year and if so, a rate per acre-foot for all water other than agricultural water for such zone(s)
- Any other information the Board requires.

The full text of Appendix 70, Section 70-7.6 through 7.8 is enclosed in this appendix.

Table A-1. District Zones of Benefit

Zone	Area	Provides
1	Entire County	Specific District administrative expenses
3	San Benito River Valley (Paicines to San Juan) and Tres Pinos River Valley (Paicines to San Benito River)	Operation of Hernandez and Paicines reservoirs and related groundwater recharge and management activities
6	San Juan, Hollister East, Hollister West, Pacheco, Bolsa SE, and Tres Pinos subbasins	Importation and distribution of CVP water and related groundwater management activities

Previous annual reports have addressed specific topics that have included water quality, salt loading, shallow wells, and others. These are listed in **Table A-2.**

APPENDIX A REPORTING REQUIREMENTS

Table A-2. Special Topics in Previous Annual Reports

Water Year	Additional Analyses and Reporting
2000	Methodology to calculate water supply benefits of Zone 3 and 6 operations
2001	Preliminary salt balance
2002	Investigation of individual salt loading sources
2003	Documentation of nitrate in supply wells, drains, monitor wells, San Juan Creek
2004	Documentation of depth to groundwater in shallow wells
2005	Tabulation of waste discharger permit conditions and recent water quality monitoring results
2006	Rate study
2007	Water quality update
2008	Water budget update
2009	Water demand and supply
2010	Water quality update
2011	Water budget update
2012	Land use update
2013	Water quality update
2014	Water balance update and Groundwater Sustainability
2015	Groundwater Sustainability – Basin Boundaries and GSAs
2016	Water quality update
2017	Water budget update
2018	GSP Update
2019	Water quality update

APPENDIX A REPORTING REQUIREMENTS

Water Code Appendix 70 Excerpts

Section 70-7.6. Groundwater; investigation and report: recommendations San Benito County

Sec. 7.6. the board by resolution require the district to annually prepare an investigation and report on groundwater conditions of the district and the zones thereof, for the period from October 1 of the preceding calendar year through September 30 of the current year and on activities of the district for protection and augmentation of the water supplies of the district and the zones thereof. The investigation and report shall include all of the following information:

(a) Information for the consideration of the board in its determination of the annual overdraft.

(b) Information for the consideration of the board in its determination of the accumulated overdraft as of September 30 of the current calendar year.

(c) A report as to the total production of water from the groundwater supplies of the district and the zones thereof as of September 30 of the current calendar year.

(d) An estimate of the annual overdraft for the current water year and for the ensuing water year.

(e) Information for the consideration of the board in its determination of the estimated amount of agricultural water and the estimated amount of water other than agricultural water to be withdrawn from the groundwater supplies of the district and the zones thereof for the ensuing water year.

(f) The amount of water the district is obligated to purchase during the ensuing water year.

(g) A recommendation as to the quantity of water needed for surface delivery and for replenishment of the groundwater supplies of the district and the zones thereof the ensuing water year.

(h) A recommendation as to whether or not a groundwater charge should be levied in any zone or zones of the district during the ensuing year.

(i) If any groundwater charge is recommended, a proposal of a rate per acre-foot for agricultural water and a rate per acre-foot for all water other than agricultural water for such zone or zones.

(j) Any other information the board requires.

(Added by Stats. 1965, c. 1798, p.4167, 7. Amended by Stats.1967,c.934, 5, eff. July27,1967; Stats. 1983, c. 402, 1; Stats. 1998, c. 219 (A.B.2135), 1.)

APPENDIX A REPORTING REQUIREMENTS

Section 70-7.7. Receipt of report; notice of hearing; contents; hearing

Sec. 7.7. (a) On the third Monday in December of each year, the groundwater report shall be delivered to the clerk of the board in writing. The clerk shall publish, pursuant to Section 6061 of the Government Code, a notice of the receipt of the report and of a public hearing to be held on the second Monday of January of the following year in a newspaper of general circulation printed and published within the district, at least 10 days prior to the date at which the public hearing regarding the groundwater report shall be held. The notice shall include, but is not limited to, an invitation to all operators of water producing facilities within the district to call at the offices of the district to examine the groundwater report.

(b) The board shall hold, on the second Monday of January of each year, a public hearing, at which time any operator of a water-producing facility within the district, or any person interested in the condition of the groundwater supplies or the surface water supplies of the district, may in person, or by representative, appear and submit evidence concerning the groundwater conditions and the surface water supplies of the district. Appearances also may be made supporting or protesting the written groundwater report, including, but not limited to, the engineer's recommended groundwater charge.

(Added by Stats. 1965, c. 1798, p. 4167, 8. Amended by Stats. 1983, c. 02,2; Stats. 1998, c. 219 (A.B.2135,2.)

Section 70-7.8. Determination of groundwater charge; establishment of rates; zones; maximum charge; clerical errors

Sec. 7.8. (a) Prior to the end of the water year in which a hearing is held pursuant to subdivision (b) of Section 7.7, the board shall hold a public hearing, noticed pursuant to Section 6061 of the government Code, to determine if a groundwater charge should be levied, it shall levy, assess, and affix such a charge or charges against all persons operating groundwater- producing facilities within the zone or zones during the ensuing water year. The charge shall be computed at fixed and uniform rate per acre-foot for agricultural water, and at a fixed and uniform rate per acre-foot for all water other than agricultural water. Different rates may be established in different zones. However, in each zone, the rate for agricultural water shall be fixed and uniform and the rate for water other than agricultural water shall be fixed and uniform. The rate for agricultural water shall not exceed one-third of the rate for all water other than agricultural water.

(b) The groundwater charge in any year shall not exceed the costs reasonably borne by the district in the period of the charge in providing the water supply service authorized by this act in the district or a zone or zones thereof.

(c) Any groundwater charge levied pursuant to this section shall be in addition to any general tax or assessment levied within the district or any zone or zones thereof.

(d) Clerical errors occurring or appearing in the name of any person or in the description of the water-producing facility where the production of water there from is otherwise properly charged, or in the making or extension of any charge upon the records which do not affect the substantial rights of the assesse or assesses, shall not invalidate the groundwater charge.

(Added by Stats. 1965, c. 1798, p. 4168, 9. Amended by Stats. 1983, c. 402, 3; Stats.1983, c. 402, 3; Stats. 1998, c. 219 (A.B.2135), 3.)

APPENDIX A REPORTING REQUIREMENTS

Memorandum Report:

San Benito County Water District Annual Groundwater Report
for January 10, 2022 Meeting of the Board of Directors

TODD GROUNDWATER

January 5, 2022

MEMORANDUM REPORT

To: Jeff Cattaneo, San Benito County Water District

From: Iris Priestaf, PhD and Maureen Reilly, PE

Re: San Benito County Water District Annual Groundwater Report for January 10, 2022 Meeting of the Board of Directors

The San Benito County Water District (District or SBCWD) was formed in 1953 by a special act (District Act) of the State with responsibility and authority to manage groundwater. The District Act authorizes the Board of Directors, at its discretion, to direct staff to prepare an annual report on groundwater conditions of the District and its zones of benefit, such as Zone 6, the area for distribution of Central Valley Project (CVP) water. The groundwater report (addressing the previous water year from October 1 through September 30) also summarizes activities of the District for protection and augmentation of water supplies and provides management recommendations. Annual Groundwater Reports have been prepared since the 1970s and District Act requirements are listed in Appendix A of recent reports.

In response to the 2014 Sustainable Groundwater Management Act (SGMA), the District has become the exclusive Groundwater Sustainability Agency (GSA) for the North San Benito Groundwater Basin (Basin) in San Benito County, has led preparation of a Groundwater Sustainability Plan (GSP) for the basin, and has initiated preparation of the first Annual Report in accordance with SGMA and consistent with the District Act. The SGMA Annual Report is planned for completion before April 1, 2022.

This brief Memorandum Report has been prepared at the direction of the SBCWD Board of Directors to address requirements of the District Act, while recognizing that the SGMA Annual Report will provide the substantial documentation that has been presented in previous Annual Groundwater Reports.

Groundwater Basin Conditions

As documented in the GSP, the Basin is not in overdraft. Historical overdraft was halted through importation of CVP water and other management actions. In Water Year 2020-2021 State-wide drought conditions prevailed, and in March 2021, CVP allocations were reduced to zero for agricultural uses and to 25 percent of the SBCWD contract for M&I uses. Consistent with the coordinated use of available surface water supplies and groundwater, Zone 6 groundwater production increased in 2020-2021 relative to previous years (Table 1).

Table 1. Groundwater Production in Zone 6 by Water Year, acre-feet per year

	2018-2019	2019-2020	2020-2021*
Agriculture	15,423	17,021	22,356
Municipal & Industrial	2,660	3,514	4,448
* preliminary values			

While a drought year such as 2020-2021 may be characterized by increased pumping, short-term groundwater level decline, and storage depletion, North San Benito Basin groundwater levels and storage reserves are managed to stay above quantitative minimum thresholds that are protective of beneficial uses of groundwater.

Water Supplies and Management Activities

As described in the previous Annual Reports, water supply sources available in Zone 6 include local groundwater, imported CVP water, recycled water, and local surface water. These are used conjunctively with the groundwater basin providing important storage. Management actions (also described in the GSP Chapter 8) involve water importation, local water storage, managed aquifer recharge, and water recycling. SBCWD has a contract with USBR for 35,550 and 8,250 AFY of imported water for agricultural and for M&I use, respectively. CVP allocations were reduced to zero for agricultural uses and to 25 percent of contract for M&I uses. Ongoing activities include monitoring, data compilation and analysis, numerical modeling, water conservation, water quality improvement programs, stakeholder outreach, reporting, and administrative activities among others that contribute to long-term sustainability.

Recommendations

The following recommendations are responsive to the District Act:

- The District should continue to purchase and supply all imported CVP water available under the SBCWD contract and any additional supplies that can reasonably be attained.
- The District should continue to operate Hernandez and Paicines reservoirs for downstream percolation to improve downstream groundwater conditions.
- The District should continue off-channel percolation of CVP water as available and expand percolation capabilities.
- A groundwater charge should be levied in Zone 6 as substantiated and recommended in the 2021 Annual Groundwater Report. The groundwater charge for the USBR contract year (March 2022-February 2023) is recommended to be $13.55 per AF for agricultural use in Zone 6 and a groundwater charge of $40.55 per AF is recommended for M&I use.

APPENDIX B CLIMATE DATA

List of Tables and Figures

Table B-1. Monthly Precipitation at the SBCWD CIMIS Station (inches)

Water Year	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	% Normal
1996	0.12	0.01	2.21	4.38	4.52	1.56	1.33	1.32	0.00	0.01	0.00	0.00	15.46	117%
1997	0.96	3.16	4.26	6.84	0.21	0.09	0.19	0.02	0.10	0.00	0.00	0.03	15.86	120%
1998	0.16	3.78	2.59	4.94	9.06	2.70	2.31	2.40	0.09	0.02	0.00	0.08	28.13	213%
1999	0.54	1.93	0.79	2.54	2.49	1.52	0.67	0.06	0.07	0.00	0.00	0.00	10.61	80%
2000	0.14	0.98	0.11	4.05	4.53	0.68	0.40	0.45	0.10	0.00	0.00	0.02	11.46	87%
2001	3.54	0.80	0.23	2.86	2.77	0.62	2.20	0.01	0.01	0.03	0.02	0.00	13.09	99%
2002	0.70	11.48	11.93	0.66	1.15	1.57	0.37	0.28	0.00	0.00	0.00	0.00	28.14	213%
2003	0.00	1.67	5.04	0.77	1.41	1.06	3.05	0.06	0.00	0.00	0.06	0.00	13.12	99%
2004	0.20	0.60	5.25	1.31	4.21	0.59	0.27	0.08	0.01	0.00	0.00	0.01	12.53	95%
2005	1.95	0.54	3.46	2.49	2.89	3.42	0.83	0.64	0.43	0.00	0.00	0.04	16.69	126%
2006	0.07	0.27	3.08	1.49	1.01	4.96	1.73	0.39	0.01	0.00	0.02	0.01	13.04	99%
2007	0.20	0.73	1.69	0.57	2.22	0.29	0.55	0.02	0.00	0.02	0.00	0.43	6.72	51%
2008	0.71	0.67	0.92	4.56	2.06	0.09	0.06	0.00	0.00	0.00	0.00	0.00	9.07	69%
2009	0.28	1.05	1.89	0.35	3.73	1.83	0.20	0.47	0.00	0.00	0.00	0.15	9.95	75%
2010	0.50	0.02	1.31	2.29	2.19	1.74	3.44	0.61	0.00	0.01	0.00	0.00	12.11	92%
2011	0.72	1.85	2.59	1.57	2.63	2.33	0.19	0.78	0.30	0.00	0.00	0.00	12.96	98%
2012	0.69	0.96	0.07	0.81	0.46	2.34	1.39	0.26	0.09	0.00	0.00	0.00	7.07	54%
2013	0.01	2.23	1.15	1.35	0.64	0.46	0.30	0.02	0.01	0.00	0.03	0.10	6.30	48%
2014	0.07	0.37	0.17	0.22	1.91	1.59	0.86	0.02	0.00	0.00	0.00	0.14	5.35	41%
2015	1.57	0.48	5.78	0.02	1.20	0.22	0.24	0.87	0.00	0.01	0.09	0.08	10.56	80%
2016	0.22	3.65	1.58	3.98	0.57	3.72	0.79	0.05	0.08	0.08	0.06	0.10	14.88	113%
2017	1.77	2.48	3.33	4.66	6.05	1.70	1.09	0.50	0.32	0.00	0.02	0.00	21.92	166%
2018	0.20	1.12	0.19	2.39	0.29	2.74	1.33	0.00	0.00	0.00	0.00	0.00	8.26	63%
2019	0.17	2.52	1.48	2.24	4.02	2.55	0.25	1.95	0.20	0.00	0.00	0.00	15.38	117%
2020	0.00	1.40	3.69	1.39	0.00	2.78	1.18	0.42	0.24	0.13	0.02	0.00	11.25	85%
2021	0.00	0.42	0.77	3.82	0.28	1.28	0.01	0.00	0.00	0.00	0.00	0.00	6.58	50%
AVG	0.62	1.79	2.59	2.35	2.49	1.73	1.01	0.47	0.08	0.01	0.01	0.05	13.20	100%

-The CIMIS value for September 2017 (2.4") includes measurement error due to irrigation overspray. The corrected District value is 0".
-The CIMIS value for February, May, June, and August 2018 (0.8", 2.6", 0.1", 0.03") includes measurement error due to irrigation overspray. The corrected District value is 0.3" for February and 0" for all other months.
-The CIMIS value for October and November 2018 included measurement error due to irrigation overspray. The corrected District value is 0.17" for October and 2.52" for November (WRCC Hollister2 Station)

Table B-2. Reference Evapotranspiration at the SBCWD CIMIS Station (inches)

Water Year	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	% Normal
1996	3.88	2.24	1.22	1.48	1.88	3.67	5.10	6.06	6.73	7.39	6.68	4.71	51.04	104%
1997	3.84	1.84	1.37	1.38	2.48	4.27	5.84	7.51	7.13	7.18	6.71	5.67	55.22	112%
1998	3.85	1.84	1.52	1.29	1.38	2.82	4.26	4.53	5.27	6.91	6.83	4.72	45.22	92%
1999	3.51	1.73	1.52	1.54	1.84	3.01	4.72	5.80	6.66	6.92	5.91	4.67	47.83	97%
2000	4.00	1.98	1.89	1.22	1.62	3.69	5.14	6.04	6.73	6.74	6.19	4.74	49.98	101%
2001	2.91	1.71	1.47	1.47	1.81	3.07	3.90	6.15	6.54	6.02	6.23	4.75	46.03	93%
2002	3.51	1.91	1.24	1.53	2.26	3.66	4.21	6.37	7.05	7.24	6.14	5.39	50.51	102%
2003	3.57	1.94	1.25	1.56	1.80	3.87	3.79	6.00	6.47	7.29	6.15	5.07	48.76	99%
2004	4.11	1.73	1.24	1.32	1.72	3.98	5.19	6.38	6.71	6.63	5.98	5.32	50.31	102%
2005	3.08	1.69	1.44	1.30	1.69	2.95	4.38	5.74	6.36	6.86	6.13	4.55	46.17	94%
2006	3.59	2.00	1.19	1.43	2.18	2.43	3.00	5.49	6.41	7.02	5.60	4.38	44.72	91%
2007	3.28	1.69	1.37	1.77	1.77	4.11	4.76	6.29	6.89	6.79	6.46	4.65	49.83	101%
2008	3.48	2.21	1.44	1.25	2.03	3.76	5.17	5.97	6.88	6.74	6.31	5.00	50.24	102%
2009	3.82	1.87	1.36	1.70	1.72	3.51	4.83	5.53	6.31	7.08	6.31	5.30	49.34	100%
2010	3.45	2.21	1.71	1.26	1.80	3.49	3.87	5.37	6.71	6.29	5.88	4.98	47.02	95%
2011	3.02	1.86	1.05	1.59	2.05	2.71	4.43	5.34	5.99	6.56	5.74	4.64	44.98	91%
2012	3.27	1.89	1.83	1.84	2.46	3.34	4.39	6.39	6.81	6.63	6.00	4.60	49.45	100%
2013	3.25	1.82	1.16	1.50	2.10	3.71	5.39	6.26	6.36	6.46	5.98	4.83	48.82	99%
2014	3.51	2.02	1.80	2.08	1.85	3.58	4.89	6.83	6.61	6.43	6.02	4.74	50.36	102%
2015	3.90	1.86	1.45	1.80	2.16	4.13	5.12	5.01	6.41	6.52	6.49	5.34	50.19	102%
2016	4.11	2.05	1.39	1.32	2.72	3.40	4.65	5.71	7.54	7.22	5.74	5.15	51.00	103%
2017	3.40	2.11	1.47	1.55	1.76	3.73	4.45	6.29	6.82	7.62	6.03	5.16	50.39	102%
2018	4.15	1.93	1.98	1.57	2.66	3.25	4.81	5.83	7.29	7.65	6.60	5.15	52.87	107%
2019	3.85	2.20	1.54	1.58	1.91	3.42	4.81	5.17	6.68	7.15	6.54	5.36	50.21	102%
2020	4.24	2.31	1.37	1.60	2.78	3.15	4.54	6.53	7.17	6.96	6.23	4.78	51.66	105%
2021	4.16	2.24	1.82	1.79	2.45	3.79	5.27	6.54	7.09	7.15	6.18	5.27	53.75	109%
AVG	3.62	1.95	1.45	1.52	2.02	3.47	4.63	5.94	6.66	6.89	6.20	4.95	49.29	100%

Note: The averages are for the available period of record, 1995 for reference evapotranspiration.

APPENDIX C GROUNDWATER DATA

List of Tables and Figures

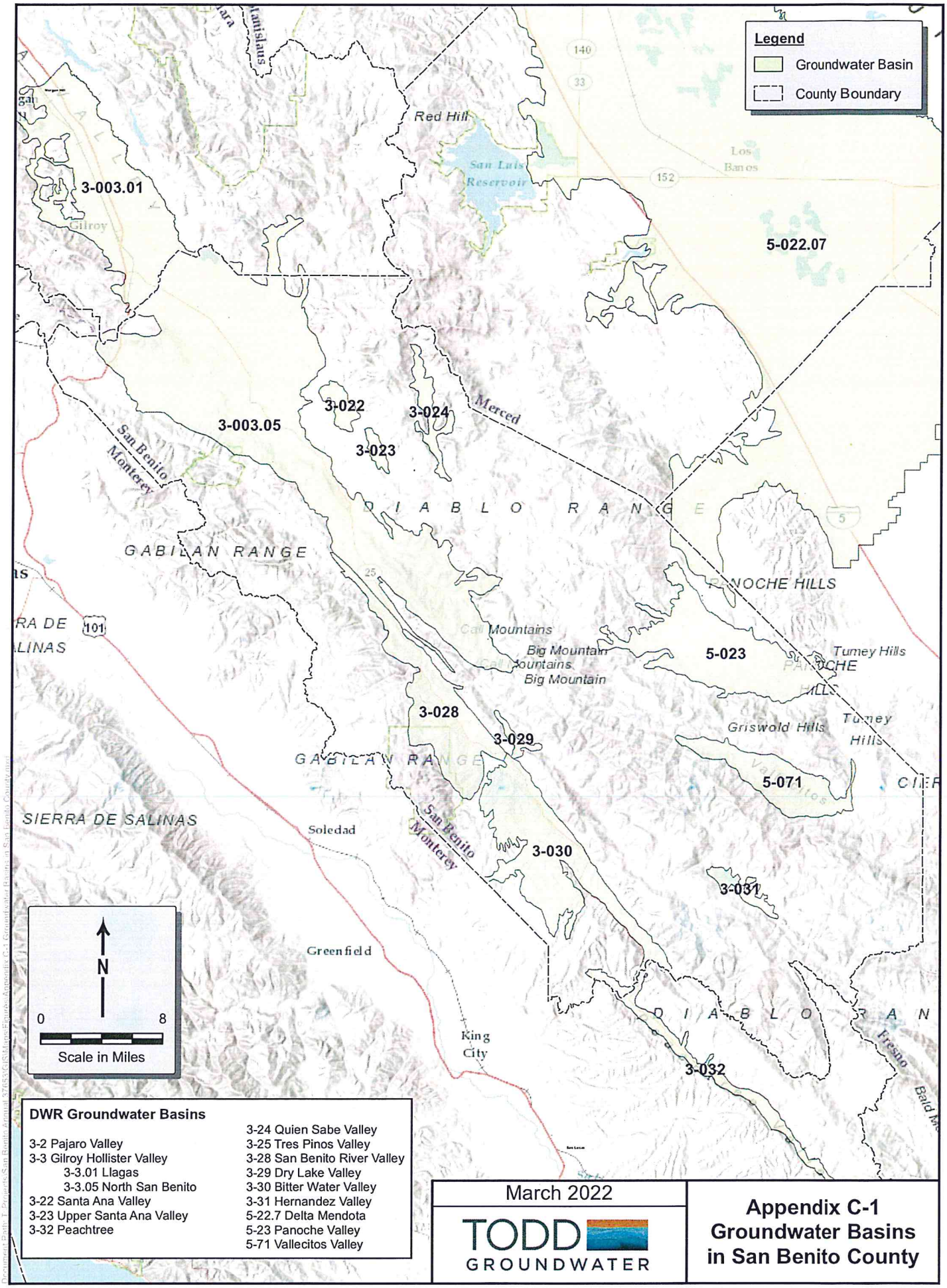
Table C-1. Groundwater Elevations October 2020 through October 2021

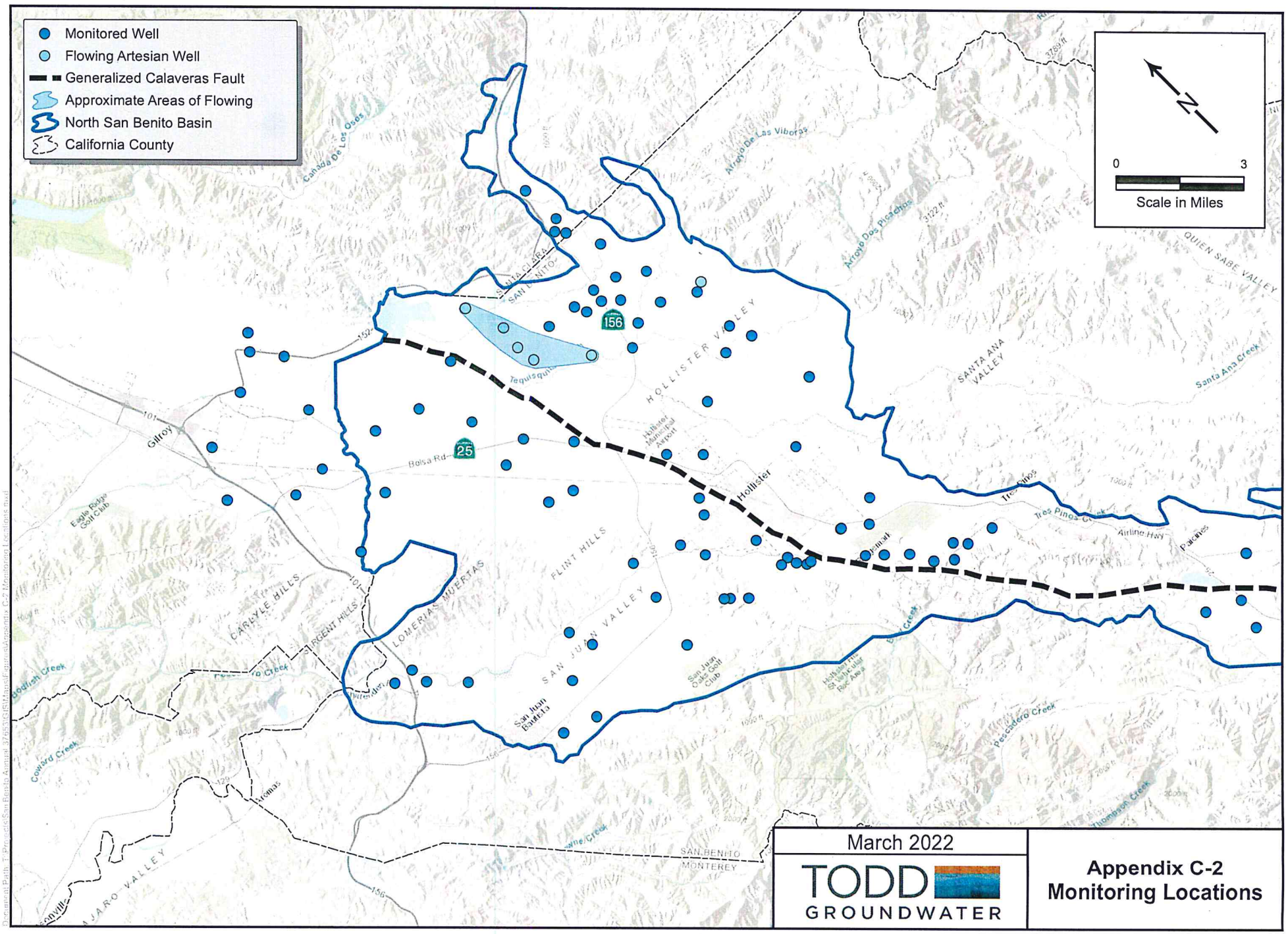
Well Number	Well Depth (feet)	Depth to Top of Screens (feet)	1996 Defined Subbasin	Groundwater Elevations (feet MSL)			
				Oct-20	Jan-21	Apr-21	Oct-21
Southern Management Area							
13-5-12D3	UNK	UNK	Southern	294.0	NM	NM	NM
13-6-19L0	UNK	UNK	Southern	307.5	309.4	304.5	297.1
13-6-19L1	UNK	UNK	Southern	321.1	322.8	321.1	306.2
14-6-13B1	UNK	UNK	Southern	639.4	642.7	640.7	637.4
14-7-19G0	UNK	UNK	Southern	705.8	708.5	707.8	702.8
14-7-20K1	UNK	UNK	Southern	715.5	718.0	715.9	711.4
14-6-14Q0	UNK	UNK	Southern	635.4	637.1	636.0	631.9
14-6-26F0	UNK	UNK	Southern	644.0	641.0	639.6	635.9
14-6-26H1	UNK	UNK	Southern	633.5	638.5	636.5	626.5
14-6-26K1	UNK	UNK	Southern	644.3	640.3	640.5	638.4
14-6-35B1	UNK	UNK	Southern	654.8	654.5	653.9	650.6
14-6-36D0	UNK	UNK	Southern	640.5	648.8	644.8	639.0
San Juan Management Area							
12-4-17L20	UNK	UNK	SJ	120.2	122.5	122.3	117.5
12-4-18J1	UNK	UNK	SJ	120.6	122.4	123.1	120.0
12-4-21M1	250	UNK	SJ	141.6	143.8	145.1	134.5
12-4-26G1	876	240	SJ	155.5	157.3	173.5	146.7
12-4-34H1	387	120	SJ	146.0	159.0	147.4	140.2
12-4-35A1	325	110	SJ	167.7	179.6	181.3	161.2
12-5-30H1	240	UNK	SJ	207.0	206.8	207.2	196.3
12-5-31H1	UNK	UNK	SJ	195.4	200.7	201.6	189.4
13-4-3H1	312	168	SJ	138.5	158.3	158.5	139.3
13-4-4A3	195	48	SJ		174.5	186.0	179.2
13-5-6L1	UNK	UNK	SJ	134.4	136.6	135.1	127.1
Boise Management Area							
11-4-26B1	642	149	B	123.1	134.5	130.9	124.3
11-4-34A1	100	UNK	B	130.5	132.6	131.6	128.2
11-5-20N1	300	UNK	B	55.6	103.1	85.6	77.8
11-5-21E2	220	100	B	Artesian	Artesian	Artesian	Artesian
11-5-27P2	331	67	B	168.7	172.2	170.8	159.0
11-5-28B1	198	125	B	Artesian	Artesian	Artesian	Artesian
11-5-28P4	140	80	B	Artesian	Artesian	Artesian	Artesian
11-5-31F1	515	312	B	51.5	89.2	78.3	67.4
11-5-33B1	125	UNK	B	Artesian	Artesian	Artesian	Artesian
12-5-17D1	950	314	B	71.5	78.0	71.0	54.0
12-5-5G1	500	150	B	104.8	105.5	101.3	97.3
12-5-5M1	UNK	UNK	B	49.6	78.9	63.3	44.8
12-5-6L1	UNK	UNK	B	146.4	146.0	143.5	140.6
12-5-7P1	750	360	B	65.8	61.0	48.5	33.3
Llagas - SCVWD							
11-4-10D4	UNK	UNK	SCVWD	142.8	154.0	150.9	119.9
11-4-15J2	UNK	UNK	SCVWD	130.9	143.4	133.9	99.3
11-4-17N4	UNK	UNK	SCVWD	148.3	157.5	158.0	131.6
11-4-21P3	UNK	UNK	SCVWD	142.4	144.8	134.9	NM
11-4-22N1	UNK	UNK	SCVWD	130.0	142.6	136.8	112.3
11-4-2D8	UNK	UNK	SCVWD	144.3	158.5	151.9	121.0
11-4-2N1	UNK	UNK	SCVWD	134.5	149.7	138.1	108.9
11-4-32R2	UNK	UNK	SCVWD	124.1	135.7	131.0	103.0
11-4-3J2	UNK	UNK	SCVWD	140.8	157.7	149.1	112.8
11-4-8K2	UNK	UNK	SCVWD	148.6	157.5	158.9	134.1

Table C-1. Groundwater Elevations October 2020 through October 2021

Well Number	Well Depth (feet)	Depth to Top of Screens (feet)	1996 Defined Subbasin	Groundwater Elevations (feet MSL)			
				Oct-20	Jan-21	Apr-21	Oct-21
Hollister Management Area							
12-5-22N1	372	250	BSE	90.3			
12-5-9M1	240	105	BSE	127.8	135.9	128.4	123.8
12-5-13H1	UNK	UNK	HE	230.5	226.1	228.6	225.0
12-5-22C1	237	102	HE	178.3	172.3	183.0	171.9
12-5-22J2	355	120	HE	194.2	197.6	196.6	191.3
12-5-23A20	862	178	HE	180.0	187.0	185.5	181.0
12-5-36B20	500	430	HE	194.8	197.7	196.8	193.7
12-6-18G1	198	70	HE	265.0	267.0	264.5	260.9
12-6-19N1	UNK	UNK	HE	225.2	NM	NM	NM
12-6-30E1	UNK	UNK	HE	347.0	349.3	348.4	347.0
12-6-7P1	147	UNK	HE	242.5	243.3	242.0	238.3
13-6-7D2	UNK	UNK	HE	337.3	338.1	337.0	335.2
12-5-27E1	175	UNK	HW	204.6	208.3	209.0	200.7
12-5-28J1	220	UNK	HW	217.0	218.7	218.8	213.0
12-5-28N1	408	168	HW		222.9	224.8	218.0
12-5-33E2	121	81	HW	218.0	218.9	221.0	215.7
12-5-34P1	195	153	HW	222.5	224.3	225.5	222.7
13-5-10B1	UNK	UNK	HW	216.5	220.0	218.8	215.0
13-5-11E1	UNK	UNK	HW	284.5	287.0	264.1	263.6
13-5-3L1	126	UNK	HW	233.1	233.9	234.4	231.8
13-5-4B	UNK	UNK	HW	231.3	NM	NM	NM
13-5-4P1	UNK	UNK	HW	271.0	272.0	270.8	268.0
13-5-5J0	UNK	UNK	HW	234.3	236.3	234.5	231.5
11-5-26N2	232	95	P	169.3	171.7	172.2	163.3
11-5-26R3	225	65	P	178.6	180.9	179.7	165.0
11-5-35C1	180	UNK	P	174.6	177.6	175.3	168.5
11-5-35G1	230	UNK	P	182.9	180.2	182.5	173.8
11-5-35Q3	UNK	UNK	P	168.7	175.6	166.4	NM
11-5-36C1	98	UNK	P	192.2	191.9	190.4	184.1
11-5-36M1	UNK	UNK	P	182.0	182.0	180.2	NM
11-6-31M2	188	155	P	218.9	216.4	214.3	NM
12-5-1G2	300	UNK	P	180.8	183.2	182.5	179.8
12-5-2H5	128	42	P	178.8	178.4	178.0	173.6
12-5-2L2	170	UNK	P	194.1	194.5	195.5	NM
12-5-3B1	128	100	P	Artesian	Artesian	Artesian	NM
12-6-6K1	260	16	P	Artesian	Artesian	Artesian	Artesian
12-6-6L4	235	50	P	215.3	215.0	216.7	215.0
13-5-11Q1	178	61	TP	294.6	295.3	294.5	291.7
13-5-12D4	UNK	UNK	TP	244.0	NM	NM	NM
13-5-12K1	UNK	UNK	TP	288.0	NM	NM	NM
13-5-12N20	352	301	TP	317.4	318.3	318.0	314.3
13-5-13F1	134	30	TP	334.0	333.7	331.8	327.0
13-5-13H1	252	112	TP	342.7	342.6	342.0	337.8
13-5-13J2	180	UNK	TP	344.2	345.4	342.1	334.1
13-5-13Q1	185	44	TP	331.5	334.9	333.5	329.3
13-5-14C1	UNK	UNK	TP	289.3	290.2	289.4	288.5
13-6-19K1	211	UNK	TP	394.6	363.1	361.9	357.8
13-6-20K1	UNK	UNK	TP	417.8	413.5	412.6	407.3

UNK - Unknown
NM - Not Monitored
Figure 2-1 for 1996 Defined Subbasins


Legend
Groundwater Basin
County Boundary
Red Hill
San Luis Reservoir
Los Banos
Gilroy
3-003.01
5-022.07
3-003.05
3-022
3-024
3-023
Merced
San Benito
Monterey
DIABLO RANGE
GABILAN RANGE
PANOCHE HILLS
Mountains
Big Mountain
Tumey Hills
5-023
3-028
3-029
Griswold Hills
5-071
SIERRA DE SALINAS
Soledad
3-030
3-031
Greenfield
King City
3-032
Fresno
N
0
8
Scale in Miles
DWR Groundwater Basins
3-2 Pajaro Valley
3-3 Gilroy Hollister Valley
3-3.01 Llagas
3-3.05 North San Benito
3-22 Santa Ana Valley
3-23 Upper Santa Ana Valley
3-32 Peachtree
3-24 Quien Sabe Valley
3-25 Tres Pinos Valley
3-28 San Benito River Valley
3-29 Dry Lake Valley
3-30 Bitter Water Valley
3-31 Hernandez Valley
5-22.7 Delta Mendota
5-23 Panoche Valley
5-71 Vallecitos Valley
March 2022
TODD GROUNDWATER
Appendix C-1
Groundwater Basins
in San Benito County



March 2022

TODD GROUNDWATER

Appendix C-2
Monitoring Locations

APPENDIX D PERCOLATION DATA

List of Tables and Figures

Table D-1. Reservoir Water Budgets for Water Year 2021 (acre-feet)

	Hernandez	Paicines	San Justo	
Observed Storage				
Starting Storage (Oct 2020)	506	300	6,143	
Ending Storage (Sept 2021)	496	300	7,566	
Inflows				
Rainfall	236	n.a.	117	
San Benito River	8,263	0	n.a.	
Hernandez-Paicines transfer	n.a.	554	n.a.	
San Felipe Project*	n.a.	n.a.	12,206	*
Total Inflows	**8,499**	**554**	**12,323**	
Outflows				
Hernandez spills	0	n.a.	n.a.	
Hernandez-Paicines transfer	554	n.a.	n.a.	
Tres Pinos Creek percolation releases	n.a.	504	n.a.	
San Benito River percolation releases	7,480	0	n.a.	
CVP Deliveries*	n.a.	n.a.	8,766	*
Evaporation and seepage (less interceptor wells)	506	12	1,132	
Total Outflows	**8,540**	**516**	**9,898**	
Change in Storage				
Observed storage change (Ending - Starting)	**-10**	**0**	**1,423**	
Calculated net storage change (Inflow - Outflows)	**-40**	**38**	**2,425**	
Unaccounted for Water (Observed - Calculated)**	**30**	**-38**	**-1,002**	
Reservoir Information				
Reservoir capacity	17,200	2,870	11,000	
Maximum storage	12,572	2,580	10,308	
Minimum storage	558	250	4,573	

* Reflects imported water for beneficial use, not all stored in reservoir

** Negative value is water shortage, positive value is water surplus

Table D-2. Historical Reservoir Releases (AFY)

WY	Hernandez	Paicines	TOTAL
1996	13,535	6,139	19,674
1997	3,573	2,269	5,842
1998	26,302	450	26,752
1999	12,084	1,293	13,377
2000	13,246	2,326	15,572
2001	12,919	3,583	16,502
2002	9,698	310	10,008
2003	5,434	0	5,434
2004	3,336	0	3,336
2005	19,914	677	20,591
2006	14,112	196	14,308
2007	12,022	1,254	13,276
2008	7,646	495	8,141
2009	4,883	0	4,883
2010	8,484	4,147	12,631
2011	9,757	2,397	12,154
2012	6,341	1,321	7,662
2013	3,963	677	4,640
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	23,191	2,407	25,597
2018	6,054	384	6,438
2019	15,924	2,045	17,969
2020	9,473	2,037	11,510
2021	7,480	504	7,984
AVG	**9,591**	**1,343**	**11,052**

Table D-3. Historical Percolation of CVP Water (AFY)

Water Year[1]	Pacheco Creek	Arroyo de las Viboras			Arroyo Dos Picachos			Santa Ana Creek				Tres Pinos Creek (and Pond)	San Benito River		Total
		Road	Creek 1 (Frog Ponds)	Creek 2	Fallon Road	Jarvis Lane	Creek	John Smith Road	Maranatha Road	Airline Highway	Ridgemark		Union Road Pond	Hollister Ponds	
1994	232	136	515	0	0	550	209	0	0	0	0	85	158	0	1,885
1995	444	238	770	2	0	654	622	73	0	0	0	809	2,734	0	6,345
1996	0	494	989	832	67	235	708	531	197	134	25	21	6,097	0	10,330
1997	0	447	601	1,981	77	0	200	17	353	286	29	1,477	5,619	0	11,087
1998	0	132	109	403	0	0	0	65	0	158	74	518	1,084	0	2,543
1999	0	0	0	0	0	0	4	256	48	141	10	452	413	0	1,322
2000	1	0	0	6	0	0	3	236	21	240	12	285	938	0	1,740
2001	0	0	0	0	0	0	0	161	17	186	1	703	1,041	0	2,110
2002	0	0	0	2	0	0	1	78	2	143	0	426	470	0	1,122
2003	0	0	0	0	0	0	5	119	9	172	0	163	605	0	1,074
2004	0	0	0	0	0	0	52	83	0	0	0	1	882	0	1,018
2005	0	0	0	0	0	0	0	0	0	0	0	0	527	0	527
2006	0	0	0	0	0	0	7	156	0	0	0	1	451	0	614
2007	0	0	0	0	0	0	0	0	0	0	0	88	216	0	304
2008	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	340	0	0	0	0	0	0	0	0	0	2,209	0	2,549
2018	0	0	199	0	0	0	0	0	0	0	0	867	1,899	0	2,965
2019	0	0	335	0	0	0	0	0	0	0	0	1,775	2,932	0	5,043
2020	0	0	134	0	0	0	0	0	0	0	0	780	1,499	747	3,161
2021	0	0	2	0	0	0	0	0	0	0	0	2	3	20	28

1. 2017-2021 percolation occurred only to recharge basins adjacent to the listed streams.

Table D-4. Percolation of Municipal Wastewater during Water Year 2021

	Pond Area[1] (acres)	Effluent Discharge (acre-feet)	Evaporation[2] (acre-feet)	Percolation (acre-feet)
Hollister - domestic	93	2,671	266	2,405
Hollister - industrial	39	0	0	0
Ridgemark Estates I & II	7	182	21	161
Tres Pinos	2	21	5	16
Total	141	2,874	292	2,582

Notes:

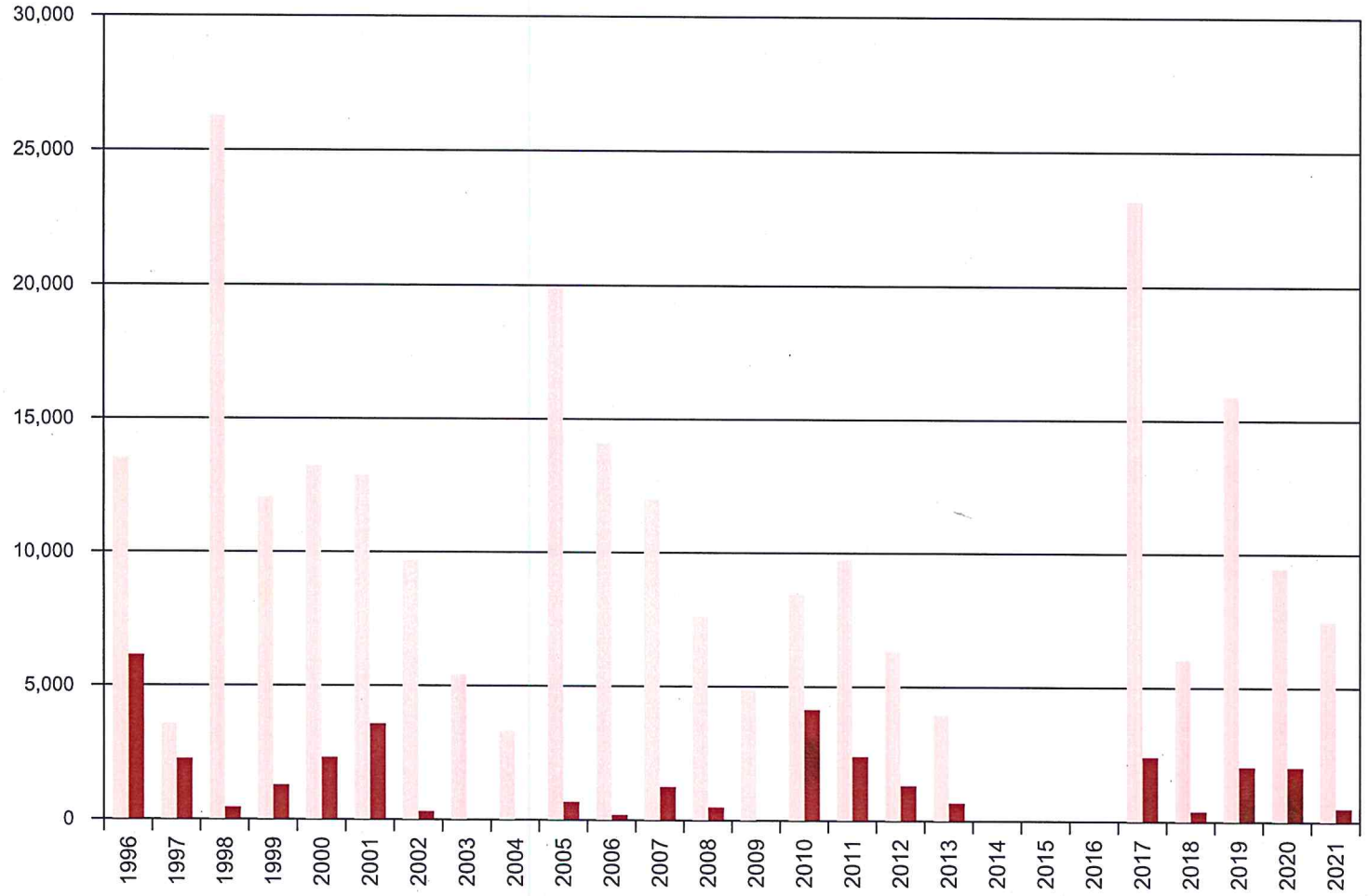
1. Hollister pond areas are from Dickson and Kenneth D. Schmidt and Associates (1999) and include treatment ponds in addition to percolation ponds at the domestic wastewater treatment plant. Assumes 80% of total pond area in use at any time (Rose, pers. comm.). These areas should be updated as operations change.

2. Average evaporation less precip = 43 inches (56 in/yr evaporation (DWR Bulletin 73-79) less 13 in/yr precip (CIMIS) The IWTP evaporation was adjusted to account only for when the ponds are in use.
The San Juan Bautista plant is not included because the unnamed tributary of San Juan Creek that receives its effluent usually gains flow along the affected reach and is on the southwest side of the San Andreas Fault. These conditions prevent the effluent from recharging the basin.

Table D-5. Historical Percolation of Municipal Wastewater (AFY)

	Hollister Reclamation Plant - Domestic	Hollister - industrial wastewater and stormwater	Ridgemark Estates I & II	Tres Pinos	TOTAL
1994	1,775	665	155	5	2,600
1995	1,935	610	180	10	2,735
1996	2,020	689	207	14	2,930
1997	1,965	909	201	17	3,092
1998	2,490	518	231	17	3,256
1999	1,693	1,476	156	12	3,337
2000	2,110	1,136	293	24	3,563
2001	1,742	1,078	303	24	3,147
2002	1,884	1,545	283	24	3,736
2003	2,009	1,432	279	24	3,744
2004	1,787	1,536	268	21	3,612
2005	1,891	1,323	227	26	3,468
2006	1,797	1,211	216	33	3,257
2007	1,740	1,228	139	19	3,126
2008	1,580	1,257	139	19	2,996
2009	1,976	428	172	19	2,594
2010	1,922	37	172	19	2,150
2011	1,807	466	183	19	2,476
2012	1,740	605	177	19	2,541
2013*	889	332	188	21	1,430
2014	1,552	86	179	21	1,838
2015	1,816	344	161	21	2,342
2016	1,923	305	154	21	2,402
2017	1,945	57	154	20	2,177
2018	1,365	57	150	15	1,587
2019	1,822	0	149	16	1,986
2020	2,392	0	155	6	2,553
2021	2,405	0	161	16	2,582

*Potential missing data



March 2022

TODD GROUNDWATER

Appendix D-1
Reservoir Releases for Percolation

Path: T:\Projects\San Benito Annual 37653\GRAPHICS\Appendix D-1 Reservoir Releases for Percolation.cpj

APPENDIX E WATER USE DATA

List of Tables and Figures

Table E-1. Recent CVP Allocation and Use

Water Year	Municipal and Industrial (M&I) CVP				Agricultural CVP			
	Percent of Contract Allocation[1]	Percent of Historic Average[2]	Contract Amount Used (AF)	Contract Amount Used (%)	Percent of Contract Allocation[3]	Percent of Contract and M&I Adjustment[2]	Contract Amount Used (AF)[4]	Contract Amount Used (%)
	(USBR Water Year Mar-Feb)		(Hydrologic Water Year Oct-Sep)		(USBR Water Year Mar-Feb)		(Hydrologic Water Year Oct-Sep)	
2006	100%		3,152	38%	100%		19,840	56%
2007	100%		4,969	60%	40%		18,865	53%
2008	37%	75%	2,232	27%	40%	45%	10,514	30%
2009	29%	60%	1,978	24%	10%	11%	6,439	18%
2010	37%	75%	2,197	27%	45%	50%	10,061	28%
2011	100%		2,433	29%	80%		16,234	46%
2012	51%	75%	2,683	33%	40%	40%	17,267	49%
2013	47%	70%	2,652	32%	20%	22%	12,914	36%
2014	34%	50%	1,599	29%	0%	0%	7,545	21%
2015	25%		1,810	22%	0%		3,697	10%
2016	55%		1,914	23%	5%		4,434	12%
2017	100%		2,909	35%	100%		15,837	45%
2018	75%		5,679	69%	50%		17,418	49%
2019	100%		4,457	54%	75%		16,774	47%
2020	65%		4,953	60%	15%		15,327	43%
2021	65%		3,341	40%	0%		6,108	17%
Average (12-21)	**62%**				**31%**			

Notes: 1 Total contract (100% allocation) M&I 8,250 AFY
2 Shortage Policy Adjustments
3 Total contract (100% allocation) Ag 35,550 AFY
4 Includes water percolated

Table E-2. Historical CVP and RW Use by MA in Zone 6 (AFY)

MA:	San Juan MA	Hollister MA		Total Zone 6	
Source:	CVP	CVP	RW	CVP	RW
1993	4,300	11,333	0	15,633	0
1994	3,836	11,155	0	14,990	0
1995	4,554	11,576	0	16,130	0
1996	5,187	13,636	0	18,823	0
1997	6,191	14,858	0	21,048	0
1998	4,099	8,697	0	12,796	0
1999	5,990	12,048	0	18,038	0
2000	6,372	12,301	0	18,673	0
2001	7,232	12,170	0	19,402	0
2002	7,242	13,169	0	20,411	0
2003	7,127	14,607	0	21,734	0
2004	7,357	16,653	0	24,010	0
2005	6,245	14,139	0	20,384	0
2006	7,200	15,792	0	22,992	0
2007	6,160	15,955	0	22,115	0
2008	3,160	9,586	0	12,745	0
2009	1,605	6,599	0	8,204	0
2010	3,452	8,532	151	11,984	151
2011	5,623	13,045	183	18,667	183
2012	5,976	13,973	230	19,949	230
2013	4,134	11,431	357	15,566	357
2014	1,984	7,160	262	9,144	262
2015	975	4,532	101	5,507	101
2016	819	5,528	499	6,347	499
2017	5,853	10,344	366	16,197	366
2018	6,383	13,748	471	20,131	471
2019	3,990	12,198	569	16,188	569
2020	4,618	12,501	526	17,119	526
2021	1,587	7,859	472	9,446	472
AVG 93-21	4,802	11,556	144	16,358	144

* No Recycled Water is used in San Juan MA

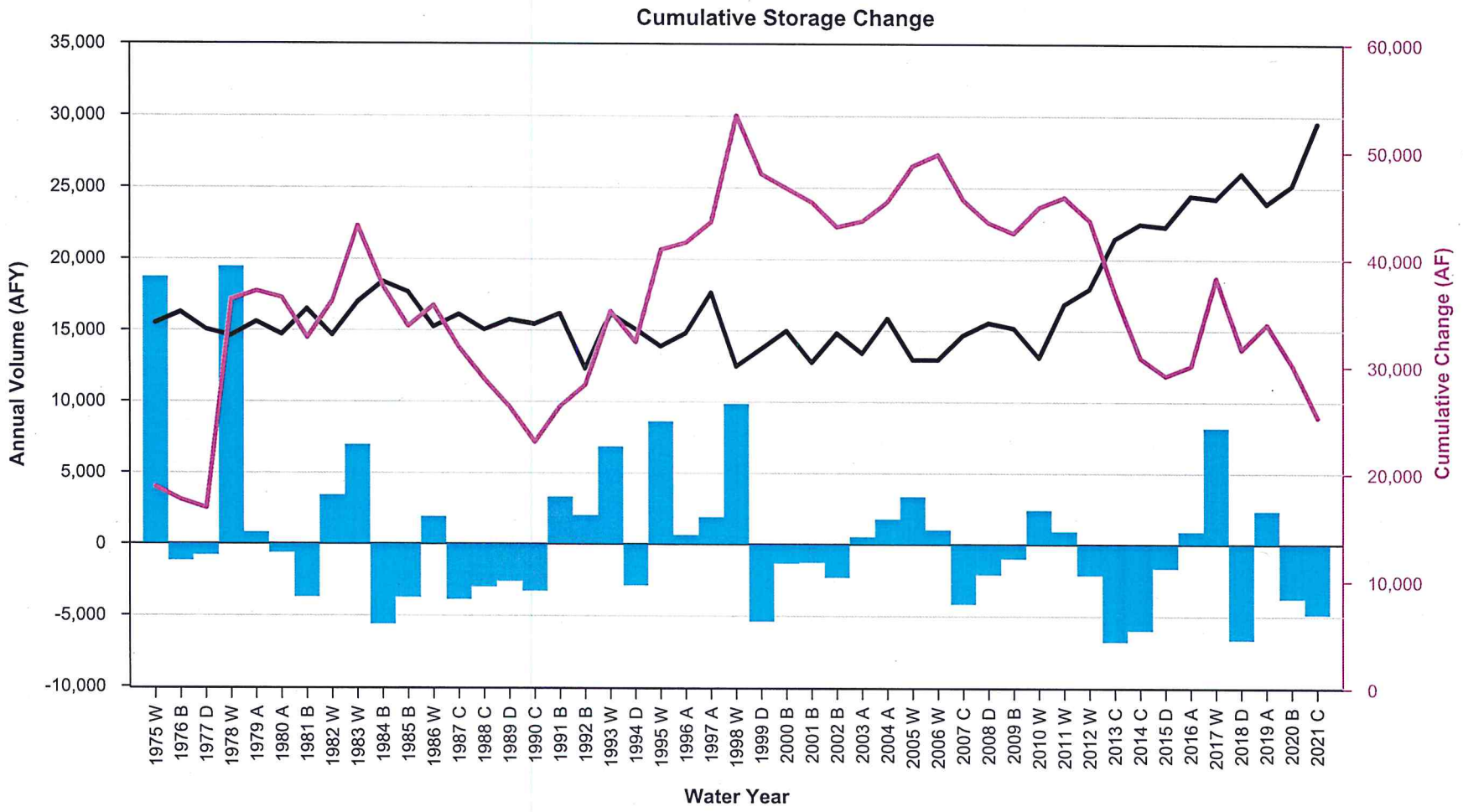
Table E-3. Municipal Water Use by Major Purveyor for Water Year 2021 (AF)

	WY 2021	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Groundwater													
Sunnyslope CWD	**1,576**	172	127	48	34	36	52	85	115	157	204	236	309
City of Hollister	**1,517**	130	122	31	52	67	70	120	154	218	216	146	192
City of Hollister - Cienega Wells	**101**	9	8	9	9	8	8	8	8	8	8	8	8
San Juan Bautista	**224**	25	15	15	16	19	13	10	15	16	26	23	32
Tres Pinos CWD	**35**	3	3	2	2	2	2	3	3	4	3	4	4
Groundwater Subtotal	**3,453**	**339**	**275**	**104**	**112**	**133**	**146**	**226**	**296**	**403**	**457**	**417**	**545**
CVP Imported Water													
Lessalt Treatment Plant	**931**	38	84	100	101	105	108	103	104	111	56	17	4
West Hills Treatment Plant	**1,314**	93	99	126	138	107	140	135	130	72	69	136	70
Imported Water Subtotal	**2,245**	**132**	**182**	**226**	**239**	**212**	**247**	**239**	**234**	**182**	**125**	**152**	**75**
Municipal Total													
TOTAL Municipal Water Supply	**5,698**	**470**	**457**	**331**	**351**	**345**	**393**	**464**	**530**	**585**	**583**	**570**	**620**

Table E-4. Historical Municipal Water Use by Major Purveyor (AFY)

WY	Sunnyslope CWD - GW	City of Hollister - GW	City of Hollister - Cienega Wells[1]	San Juan Bautista	Tres Pinos CWD	Lessalt Treatment Plant	West Hills Treatment Plant	Undivided Total	TOTAL
1988						0	0	5,152	5,152
1989						0	0	6,047	6,047
1990						0	0	5,725	5,725
1991						0	0	7,631	7,631
1992						0	0	6,912	6,912
1993						0	0	5,066	5,066
1994						0	0	7,186	7,186
1995	2,167	2,446				0	0		4,613
1996	2,139	3,386				0	0		5,525
1997	2,638	3,848				0	0		6,486
1998	2,357	3,441				0	0		5,798
1999	2,820	3,558				0	0		6,378
2000	3,214	4,021				0	0		7,235
2001	3,290	3,851				0	0		7,141
2002	3,256	4,120				21	0		7,398
2003	2,053	2,754				2,494	0		7,302
2004	2,426	2,828				2,101	0		7,356
2005	1,959	3,147	123	247	49	1,843	0		7,368
2006	1,907	2,801	123	150	49	1,900	0		6,930
2007	2,413	2,758	123	47	49	1,719	0		7,108
2008	2,294	2,746	123	417	47	1,323	0		6,949
2009	2,251	2,503	123	373	47	1,212	0		6,509
2010	1,861	2,194	108	308	47	1,344	0		5,861
2011	2,225	1,651	80	292	47	1,593	0		5,887
2012	2,360	1,761	130	267	45	1,657	0		6,219
2013	1,655	2,655	120	281	46	1,648	0		6,405
2014	2,134	2,646	114	285	49	979	0		6,207
2015	1,348	1,960	114	225	49	1,364	0		5,060
2016	1,331	1,615	105	232	49	1,682	0		5,014
2017	1,449	1,543	79	249	32	1,940	51		5,344
2018	978	1,217	121	184	34	1,596	1,990		6,119
2019	565	588	283	257	33	1,660	2,524		5,912
2020	694	707	95	224	35	1,503	1,990		5,248
2021	1,576	1,517	101	224	35	931	1,314		5,698

1. Data from Hollister Cienega Wells for 2005-2008 was estimated to be the same as WY 2009
Cells with no data indicate that the information is unavailable, while years with no use are shown explicitly as 0's.



Cumulative Storage Change

Pumping

Annual Change in Storage

March 2022	Figure E-1 Water Year Type and Storage Bolsa Management Area
TODD GROUNDWATER	

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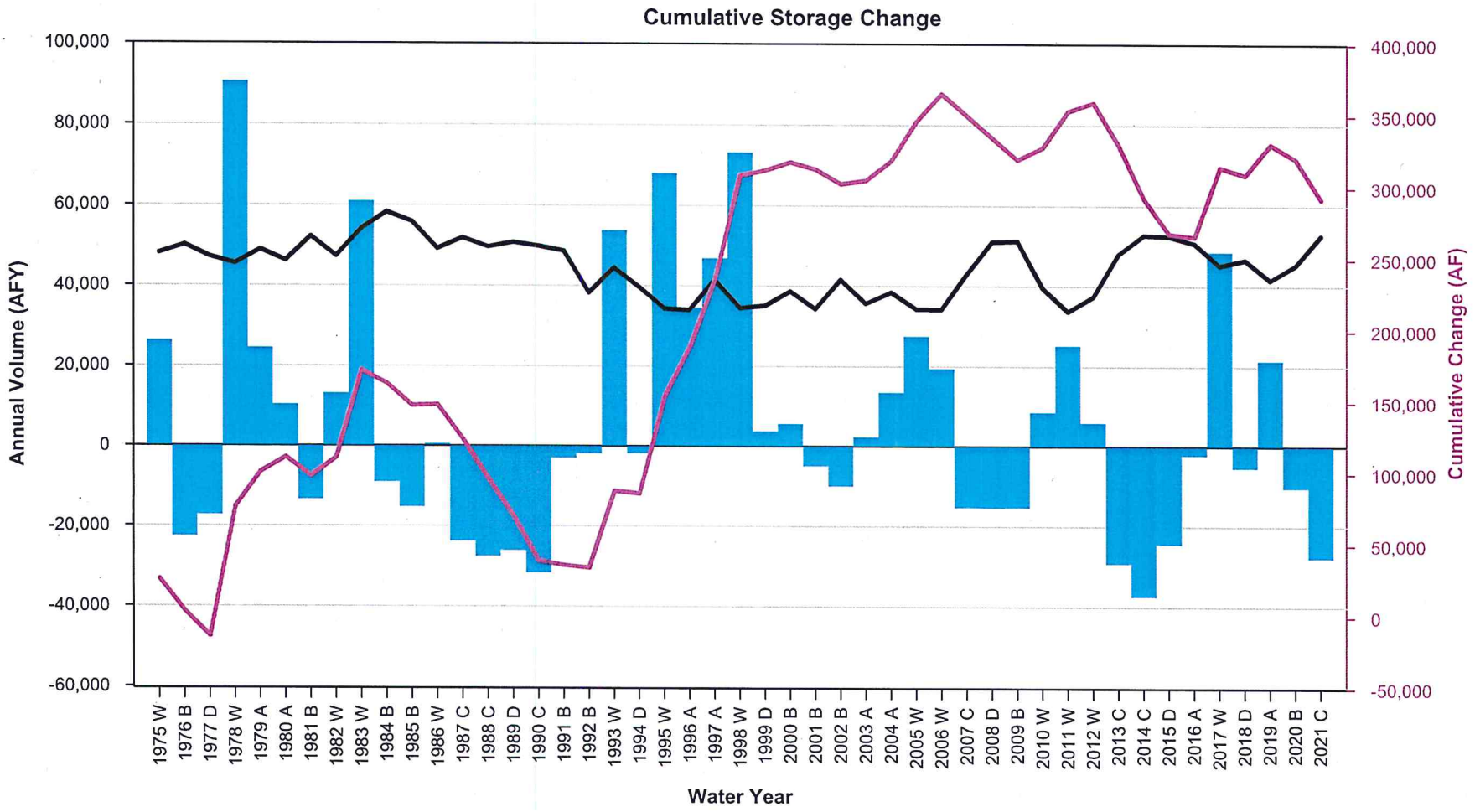

Cumulative Storage Change

Pumping

Annual Change in Storage

March 2022

TODD GROUNDWATER

Figure E-2
Water Year Type and Storage, Hollister Management Area

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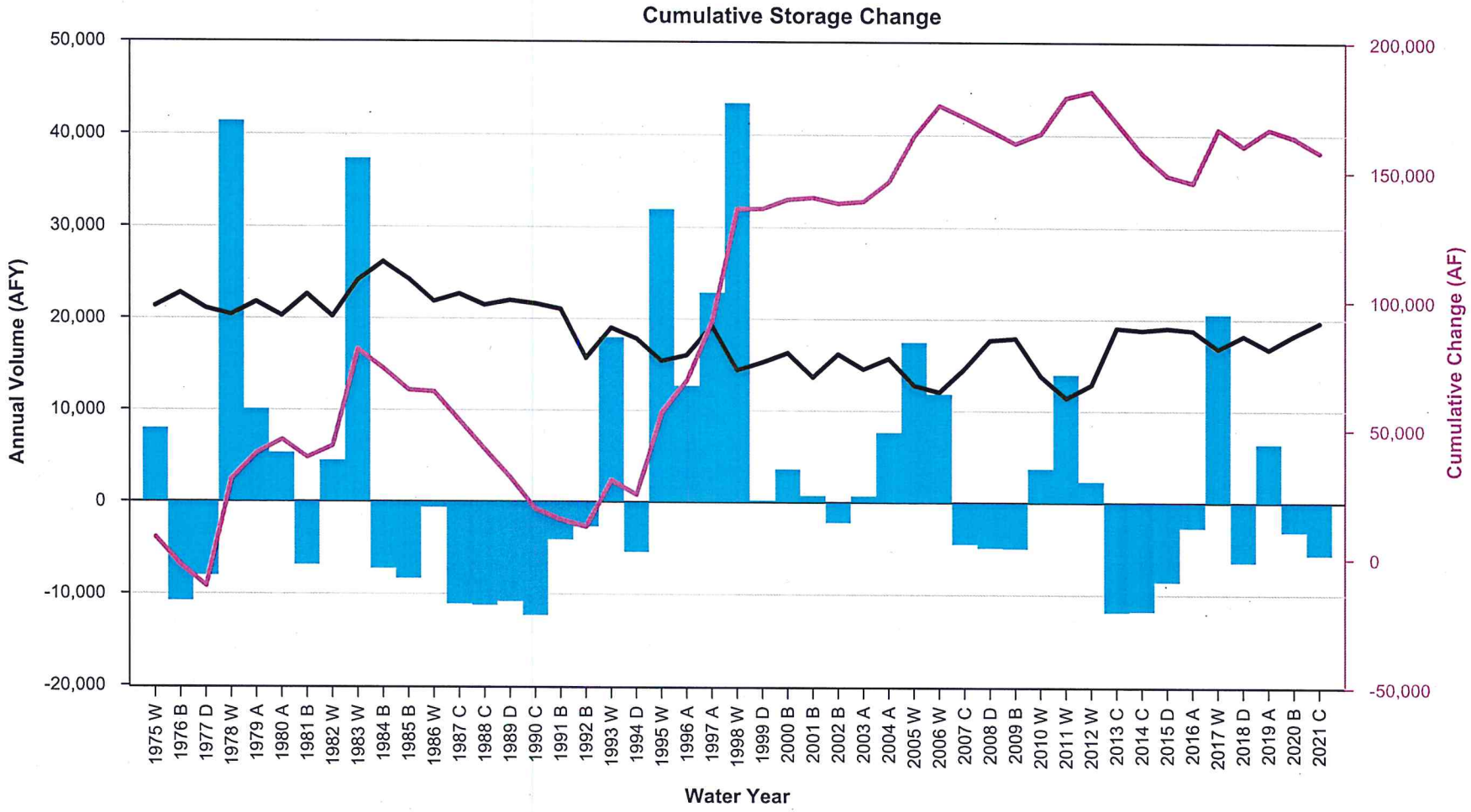


Cumulative Storage Change

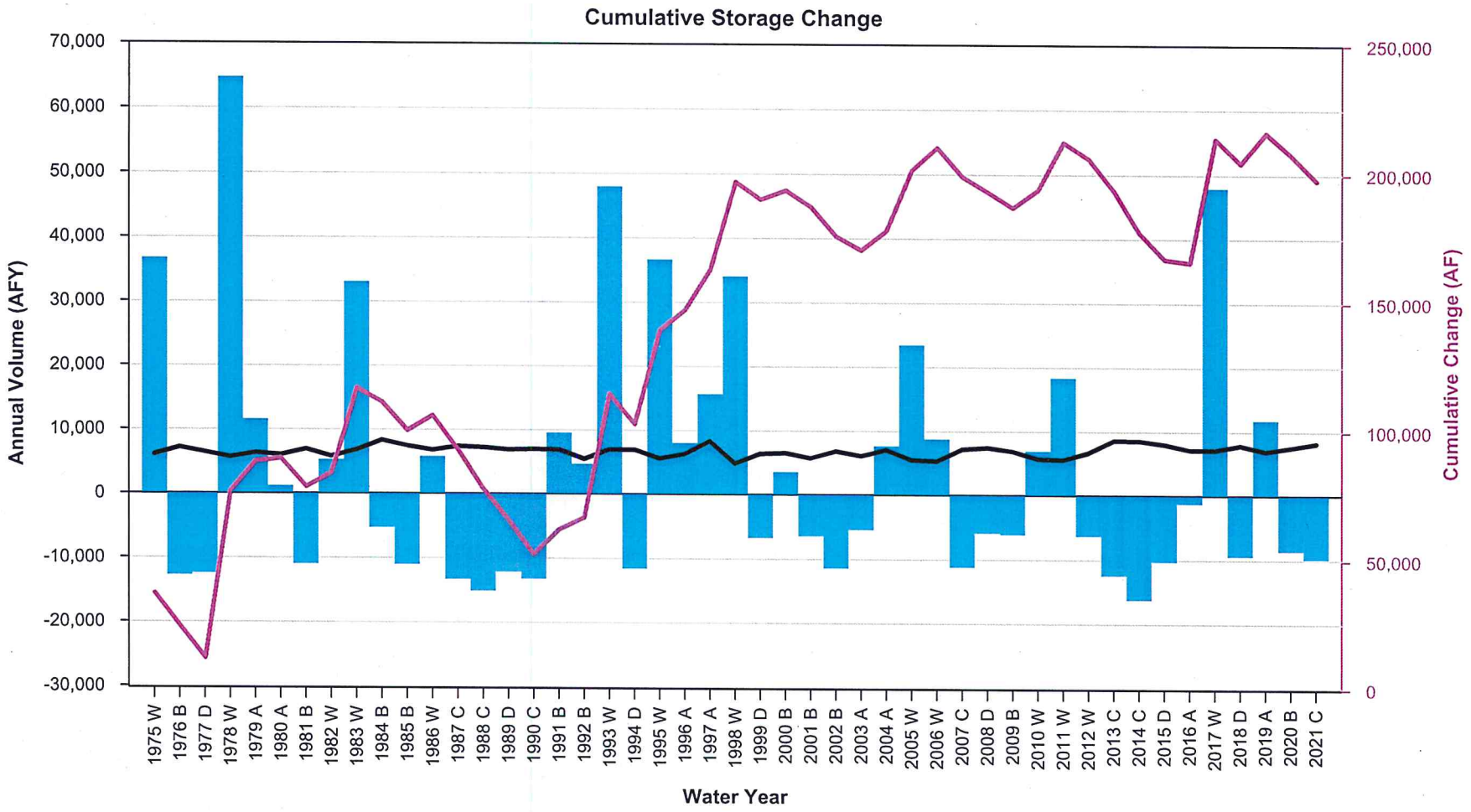
Pumping

Annual Change in Storage

March 2022

TODD GROUNDWATER

Figure E-3
Water Year Type and Storage, San Juan Management Area



March 2022

TODD GROUNDWATER

Figure E-4
Water Year Type and Storage, Southern Management Area

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APPENDIX F RATES AND CHARGES

List of Tables and Figures

EXHIBIT A

Groundwater Rates
Water Year
2022-2023
Zone 6

REVENUE REQUIREMENTS					Rates[2]	
Component	Rate ($/AF)[1]	Quantity (A/F)[1]	Amount		Ag (per A/F)	M & I (per A/F)
SOURCE OF SUPPLY O&M						
AG	$ 18.68	23,974	$ 447,834		$ 18.68	
M&I	$ 18.68	4,877	$ 91,102			$ 18.68
PERCOLATION COSTS						
Cost of Water						
AG Cost of Water[3]	$ 53.51	2,105	$ 112,617		$ 4.70	
M&I Cost of Water[3]	$ 163.58	428	$ 70,034			$ 14.36
Power Costs						
AG Power Charge for percolation	$ 58.83	2,105	123,813		$ 5.16	
M&I Power Charge for percolation	$ 58.83	428	25,187			$ 5.16
TOTAL 2019-2020					$ 28.54	$ 38.21
Previously approved Groundwater Charges[4]						
2019-2020 Water Year Groundwater Charge					$ 12.75	$ 38.25
2020-2021 Water Year Groundwater Charge					$ 13.15	$ 39.40
2021-2022 Water Year Groundwater Charge					$ 13.55	40.55
RECOMMENDED CHARGES						
2022-2023 Water Year Groundwater Charge					**$ 13.55**	40.55

Notes:

1. Rate Basis is unchanged from the basis used for prior year rates.

Assumed Volumes	
Groundwater usage	
Ag usage	23,974
M&I usage	4,877
Total	28,851

2. Rates=Revenue Requirements/projected groundwater usage
3. Cost of Water:
   - AG: USBR and SLDMWA O&M
   - M&I: USBR and SLDMWA O&M, USBR Out-of-Basin Interest
4. Groundwater charges adopted by San Benito County Water District Board of Directors in Jan-19
5. Assumed volumes for percolation (based on 3 year average)

Ag	83%	2105
M&I	17%	428
Total	100%	2533

6. Annual escalation rate for previous rates 3%
7. Rates charged will be rounded up to nearest $.05

Note: Section 70-7.8 (a) of the District Act states that the agricultural rate shall not exceed one-third of the rates for all water other than agricultural water.

Table F-2. Historical and Current San Benito County Water District CVP (Blue Valve) Water Rates (dollars/af)

USBR Water Year	Standby & Availability Charge (dollars/acre)	Water Charge			Power Charge					Groundwater Charge (dollars/af)			Recycled Water (per AF)	
		Agricultural	Municipal & Industrial		Distribution Subsystem					Agricultural	Municipal & Industrial		Agricultural	Power Charge
			Small Parcel & Contract	Wholesale	2	6H	9L	9H	Others					
1987	$8.00	$34.00	n.c.							n.i.	n.i.			
1988	$2.00	$34.00	n.c.							n.i.	n.i.			
1991	$4.00	$38.00	$110.00							$6.25	$22.00			
1992	$4.00	$45.00	$120.00							$2.00	$10.00			
1994	$4.50	$77.61	$168.92							$1.00	$5.00			
1995	$4.50	$77.61	$168.92							$1.00	$15.75	First 100 af		
											$36.70	Next 500 af		
											$54.60	Over 600 af		
1996	$6.00	$75.00	$150.00							$1.50	$33.00			
1997	$6.00	$75.00	$157.00							$1.50	$33.00			
1998	$6.00	$75.00	$155.00							$1.50	$33.00			
2000	$6.00	$75.00	$155.00							$1.50	$11.50			
2001	$6.00	$75.00	$155.00							$1.50	$25.00			
2004	$6.00	$75.00	$150.00	$150.00	$24.30	$46.75	$25.05	$53.70	$15.25	$1.50	$10.00			
2005	$6.00	$80.00	$150.00	$150.00	$26.15	$49.40	$35.00	$66.90	$17.10	$1.50	$21.50			
2006	$6.00	$85.00	$160.00	$160.00	$23.60	$36.05	$34.70	$65.75	$18.40	$1.50	$21.50			
2007	$6.00	$85.00	$160.00	$160.00	$23.60	$36.05	$34.70	$65.75	$18.40	$1.50	$21.50			
2008	$6.00	$100.00	$170.00	$170.00	$17.25	$19.40	$32.60	$62.75	$14.85	$1.50	$21.50			
2009	$6.00	$115.00	$180.00	$180.00	$17.50	$20.25	$42.55	$74.85	$16.30	$2.50	$22.50			
2010	$6.00	$135.00	$200.00	$200.00	$22.00	$27.30	$49.75	$84.35	$21.75	$2.50	$22.50			
2011	$6.00	$155.00	$220.00	$220.00	$22.70	$28.15	$51.25	$86.90	$22.40	$2.50	$22.50			
2012	$6.00	$170.00	$235.00	$235.00	$23.35	$29.00	$52.80	$89.50	$23.10	$2.50	$22.50			
2013	$6.00	$170.00	$235.00	$235.00	$40.30	$29.25	$43.05	$91.55	$22.40	$3.25	$23.25			
2014	$6.00	$170.00	$238.00	$238.00	$41.55	$30.15	$44.35	$94.30	$23.10	$3.60	$23.25			
2015	$6.00	$179.00	$247.00	$247.00	$42.75	$31.05	$45.70	$97.15	$23.80	$3.95	$23.25			
2016	$6.00	$272.00	$363.00	$363.00	$123.10	$75.65	$109.95	$162.55	$66.05	$4.95	$24.25		$182.55	$57.70
2017	$6.00	$191.00	$363.00	$363.00	$126.80	$77.90	$113.25	$167.45	$68.05	$6.45	$24.25		$183.45	$59.45
2018	$6.00	$209.00	$363.00	$363.00	$130.60	$80.25	$116.25	$172.45	$70.10	$7.95	$24.25		$183.45	$59.45
2019	$6.00	$254.00	$404.00	$404.00	$80.45	$39.30	$88.15	$130.30	$33.70	$12.75	$38.25		$183.45	$59.45
2020	$6.00	$265.00	$415.00	$415.00	$82.85	$40.45	$90.80	$134.10	$34.75	$13.15	$39.40		$208.00	$60.64
2021	$6.00	$274.00	$424.00	$424.00	$85.35	$41.50	$93.55	$138.25	$35.75	$13.55	$40.55		$210.00	$61.85
2022	$6.00	$274.00	$424.00	$647.00	$85.35	$41.50	$93.55	$138.25	$35.75	$13.55	$40.55		$211.00	$63.09

Notes:
af = acre-feet.
n.c. = no classification.
n.i. = not implemented
All rates effective March 1 through following February.

Table F-3. Recent US Bureau of Reclamation Charges per Acre-Foot for CVP Water

User Category and Cost Item	Irrigation[1]						Municipal & Industrial					
	Cost of service (non-full cost)	Restoration fund[3]	SLDMWA[4]	Trinity PUD Assessment	Total	Contract rate[5]	Cost of service[2] (non-full cost)	Restoration fund[3]	SLDMWA[4]	Trinity PUD Assessment	Total	Contract rate[5]
1994	$71.68	$6.20	n.a.		$77.88	$17.21	$165.67	$12.40	n.a.		$178.07	$85.86
1995	$66.47	$6.35	n.a.		$72.82	$17.21	$132.90	$12.69	n.a.		$145.59	$85.86
1996	$65.63	$6.53	n.a.		$72.16	$27.46	$127.40	$13.06	n.a.		$140.46	$85.86
1997	$69.57	$6.70	n.a.		$76.27	$27.46	$143.27	$13.39	n.a.		$156.66	$85.86
1998	$61.58	$6.88	$5.00		$73.46	$27.46	$130.88	$13.76	$5.00		$149.64	$85.86
1999	$60.30	$6.98	$2.73		$70.01	$27.46	$127.91	$13.96	$2.73		$144.60	$85.86
2000	$64.24	$7.10	$6.43		$77.77	$27.46	$129.59	$14.20	$6.43		$150.22	$85.86
2001	$69.50	$7.28	$2.65		$79.43	$27.46	$129.40	$14.56	$4.15		$148.11	$85.86
2002	$68.71	$7.54	$6.61		$82.86	$24.30	$130.32	$15.08	$6.61		$152.01	$79.13
2003	$72.20	$7.69	$5.46		$85.35	$24.30	$129.07	$15.38	$5.46		$149.91	$79.13
2004	$74.52	$7.82	$6.61		$88.95	$24.30	$134.86	$15.64	$6.61		$157.11	$79.13
2005	$77.10	$7.93	$7.99		$93.02	$24.30	$132.01	$15.87	$7.99		$155.87	$79.13
2006	$91.13	$8.24	$9.31		$108.68	$30.93	$214.41	$16.49	$9.31		$240.21	$77.12
2007	$93.53	$8.58	$9.99	$0.11	$112.21	$30.93	$215.32	$17.15	$9.99	$0.11	$242.46	$80.08
2008[6]	$28.12	$8.79	$10.95	$0.07	$47.93	$30.93	$33.34	$17.57	$10.95	$0.07	$61.68	$33.34
2009	$30.20	$9.06	$11.49	$0.07	$50.82	$30.20	$32.77	$18.12	$11.49	$0.07	$62.45	$32.77
2010	$33.27	$9.11	$11.91	$0.11	$54.40	$33.27	$36.11	$18.23	$11.91	$0.11	$66.36	$36.11
2011	$38.92	$9.29	$9.51	$0.05	$57.77	$38.92	$42.58	$18.59	$9.51	$0.05	$70.73	$42.58
2012	$39.71	$9.39	$15.20	$0.05	$64.35	$39.71	$37.95	$18.78	$15.20	$0.05	$71.98	$37.95
2013	$40.39	$9.79	$17.29	$0.05	$67.52	$39.91	$38.71	$19.58	$17.29	$0.05	$75.63	$40.92
2014	$46.87	$9.99	$28.81	$0.23	$85.90	$46.87	$29.70	$19.98	$28.81	$0.23	$78.72	$29.70
2015	$53.82	$10.07	$30.66	$0.23	$94.78	$53.82	$34.74	$20.14	$30.66	$0.23	$85.77	$34.74
2016	$85.12	$10.21	$30.66	$0.30	$126.29	$38.28	$61.24	$20.41	$30.66	$0.30	$112.61	$23.42
2017	$66.17	$10.23	$14.15	$0.30	$90.85	$39.90	$49.50	$20.45	$14.15	$0.30	$84.40	$22.85
2018	$79.09	$10.47	$20.39	$0.30	$110.25	$48.35	$43.74	$20.94	$20.39	$0.30	$85.37	$17.45
2019	$67.32	$10.63	$20.26	$0.30	$98.51	$40.14	$37.54	$21.26	$20.26	$0.30	$79.36	$17.98
2020	$72.24	$10.91	$27.57	$0.12	$110.84	$52.76	$37.18	$21.82	$27.57	$0.12	$86.69	$17.87
2021	$48.42	$11.11	$38.52	$0.15	$98.20	$48.42	$35.47	$22.23	$38.52	$0.15	$96.37	$35.47

Notes:

(1) Total USBR rate given for non-full cost users only, as they represent the majority of water users.

(2) Cost-of-service for agricultural and municipal and industrial users includes a capital repayment rate and an operation and maintenance (O&M) rate. For municipal and industrial customers, cost-of-service also includes a deficit charge, which includes interest on unpaid O&M and interest on capital and on unpaid deficit.

(3) Restoration fund charges apply October 1 through September 30. All other rates effective March 1 through following February.

(4) Beginning in 1998, the San Luis-Delta Mendota Water Authority instituted this charge to "self-fund" costs associated with maintaining the Delta-Mendota Canal and certain other facilities, which were formerly funded directly by the Bureau of Reclamation. SLDMWA issues preliminary rates in December for the upcoming contract year (March-February). These rates are used for rate-setting purposes; actual rates may vary.

(5) The contract rate is the minimum rate CVP contractors are allowed to pay. To the extent that the contract rate does not cover interest plus actual operation and maintenance costs, a contractor deficit is accumulated that is charged interest at the current-year treasury borrowing rate.

(6) Per the amendatory contract with the USBR "out of basin" capital costs that were previously included in the cost of service are now under a separate repayment contract.

(7) Cost of service rates are inclusive of USBR direct pumping and Project Use Energy costs.

APPENDIX G LIST OF ACRONYMS

List of Acronyms

AF or A/F	acre-foot
AFY	acre-foot per year
AG	agriculture
BMP	Best Management Practices
CASGEM	California Statewide Groundwater Elevation Monitoring
CEQA	California Environmental Quality Act
cfs	cubic feet per second
CIMIS	California Irrigation Management Information System
COC	Constituent of Concern
CVP	Central Valley Project
District or SBCWD	San Benito County Water District
CWD	County Water District
DDW	Division of Drinking Water
DWR	California Department of Water Resources
DWTP	Domestic Wastewater Treatment Plant
ET	evapotranspiration
ft	feet
GAMA	Groundwater Ambient Monitoring and Assessment
GICIMA	Groundwater Information Center Interactive Map
GPBO	General Basin Plan Objective
gpd	gallons per day
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GW	groundwater
HUA	Hollister Urban Area
IRWMP	Integrated Regional Water Management Plan
ITRC	Irrigation Training and Research Center, California Polytechnic State University
IWTP	Industrial Wastewater Treatment Plant
M&I	Municipal and Industrial
MA	Management Area
MCL	Maximum Contaminant Level
MGD	million gallons per day
msl	mean sea level
MT	Minimum Threshold
MW	Monitored well
NGVD	National Geodetic Vertical Datum
pdf	Adobe Acrobat Portable Document Format
PPWD	Pacheco Pass Water District
PVWMA	Pajaro Valley Water Management Agency
RW	recycled water
RWQCB	Regional Water Quality Control Board

APPENDIX G LIST OF ACRONYMS

List of Acronyms (cont.)

SCVWD	Santa Clara Valley Water District
SEIR	Supplemental Environmental Impact Report
SGMA	Sustainable Groundwater Management Act
SLDMWA	San Luis & Delta-Mendota Water Authority
SMCL	Secondary Maximum Contaminant Levels
SSCWD	Sunnyslope County Water District
USBR	U.S. Bureau of Reclamation
UWMP	Urban Water Management Plan
WRA	Water Resources Association of San Benito County
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant
WY	water year

RESOLUTION NO. 2022-09

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BENITO COUNTY WATER DISTRICT TO SUBMIT AN APPLICATION TO THE BUREAU OF RECLAMATION TO OBTAIN A GRANT UNDER THE WaterSMART SMALL-SCALE WATER EFFICIENCY PROJECTS (SWEP) TO FUND A TURF REMOVAL PROGRAM

WHEREAS, Through WaterSMART Small-Scale Water Efficiency Projects (SWEP), Reclamation provides financial assistance to water managers for projects that seek to conserve and use water more efficiently and accomplish other benefits that contribute to sustainability in the West; and

WHEREAS, California, including San Benito County, has been experiencing drought the last three year; and

WHEREAS, Outdoor water use is the largest portion of residential water use, especially in hotter inland areas and cities with larger lots. While lawns have value for recreation and aesthetics, replacing existing turf lawns with well-designed low-water landscapes that incorporate native and climate-appropriate shrubs, grasses, and trees, along with mulch varieties that replenish soil and retain water, can have many benefits; and

WHEREAS, the proposed replacement of turf to drought-tolerant landscape will result in significant residential water savings, thus supporting the District's water conservation goals; and

WHEREAS, the U.S. Department of the Interior- Bureau of Reclamation (funding agency) issued Funding Opportunity Announcement No. R22AS00195 for the "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022" which funding for small-scale water efficiency projects; and

WHEREAS, the San Benito County Water District desires to apply for the "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022".

NOW, THEREFORE, BE IT RESOLVED:

1) The District Manager of the San Benito County Water District is hereby authorized and directed to make application and submit a proposal to the funding agency to obtain a "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022" grant in an amount up to $80,000, to support a Turf Removal Program.

2) The District Manager of the San Benito County Water District, or designee, is hereby authorized to enter into an agreement, and any amendments thereto, with the funding agency to receive a 2022 Small-Scale Water Efficiency grant in an amount up to $80,000.

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 March 2022, by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSTAIN: DIRECTORS:

ABSENT: DIRECTORS:

_____

Joseph Tonascia
President

ATTEST: _____

Sara Singleton
Assistant Manager

DRAFT—DRAFT—DRAFT—DRAFT---DRAFT---DRAFT—DRAFT---DRAFT

RESOLUTION NO. 2022-08

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BENITO COUNTY WATER DISTRICT A RESOLUTION RATIFYING THE STATE OF EMERGENCY PROCLAIMED ON MARCH 4, 2020, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF ALL DISTRICT LEGISLATIVE BODIES FOR THE FOLLOWING 30 DAYS IN ACCORD WITH THE RALPH M. BROWN ACT

WHEREAS, the San Benito County Water District (the "District") is a public entity established under the laws of the State of California; and

WHEREAS, the District is committed to preserving and nurturing public access and participation in meetings of the District Board and Committees; and

WHEREAS, all meetings of District legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code sections 54950 – 54963) (the "Brown Act"), so that any member of the public may attend, observe, and participate when District legislative bodies conduct business; and

WHEREAS, the Brown Act, Government Code section 54953(e), enables remote teleconferencing participation in meetings by members of a legislative body, without strict compliance with requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, one required condition is that a state of emergency has been declared by the Governor of the State of California pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and.

WHEREAS, a proclamation is made that there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the District's jurisdiction, caused by natural, technological, or human-caused disasters; and

WHEREAS, state or local officials have imposed or recommended measures to promote social distancing, or having the legislative body meet in person would present imminent risks to the health and safety of attendees; and

WHEREAS, the District Board affirms these conditions now exist in the District. Specifically, on March 4, 2020, the Governor proclaimed a State of Emergency to exist as a result of the threat of COVID-19. That Proclamation has not been terminated by either the Governor or the Legislature pursuant to Government Code section 8629; and

WHEREAS, despite sustained efforts to remedy this circumstance, the District Board determines that meeting in person poses an imminent risk to health and safety of attendees due to the COVID-19 virus and its variants; and

WHEREAS, the District Board finds the emergency created by the COVID-19 virus and its variants has caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and desires to proclaim a local emergency and ratify the proclamation of state of emergency by the Governor and similar local health orders that require social distancing; and

WHEREAS, as a consequence of the local emergency, the District Board determines that all legislative bodies of the District are required to conduct their meetings without full compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that those District legislative bodies shall comply with the requirements to provide public access to the meetings remotely as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, each District legislative body shall continue to conduct meetings with public access available via call-in or internet-based service options and the public shall be allowed to address the legislative body directly in real time; and

WHEREAS, This Resolution shall authorize the General Manager to establish and maintain platforms necessary for each District legislative body to hold teleconference meetings and provide an avenue for real-time public comments for such meetings; and

WHEREAS, the District Board finds the introduction and adoption of this resolution is not subject to the California Environmental Quality Act (CEQA) as the activity is not a project as defined in Section 15378) of the CEQA Guidelines.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The foregoing findings are true and correct and are adopted by the District Board as though set forth in full.

2. The Board hereby proclaims that a local emergency now exists throughout the District, and meeting in person would present imminent risk as a result of the COVID-19 virus and its variants.

3. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

4. The District Manager and legislative bodies of the San Benito County Water District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and

public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

5. This Resolution shall take effect immediately upon its adoption and shall be remain in effect for a period of 30 days, or until such time the District Board adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which District legislative bodies may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

The foregoing Resolution was passed and adopted at a regular meeting of the Board of Directors of the San Benito County Water District held on March 30, 2022, by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSENT: DIRECTORS:

ABSTAIN: DIRECTORS:

_____

Joseph Tonascia
President

ATTEST: _____

Sara Singleton
Assistant Manager

RESOLUTION NO. 2022-09

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PASSED AND ADOPTED by the Board of Directors of the San Benito County Water District this 30th day of March 2022, by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSTAIN: DIRECTORS:

ABSENT: DIRECTORS:

_____

Joseph Tonascia
President

ATTEST: _____

Sara Singleton
Assistant Manager

Agenda

Item

6

2022 Water Supply and Treatment Master Plan

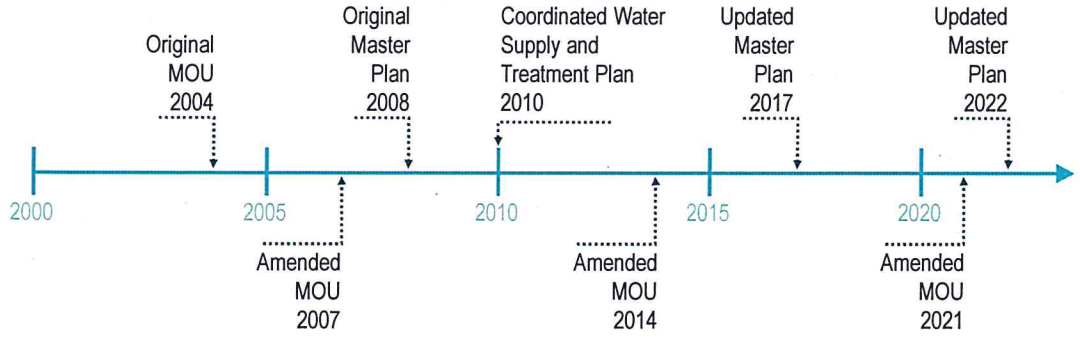
San Benito County Water District

March 30, 2022

1

Background

- Agencies recognized need to coordinate on water and wastewater planning and implementation
- A coordinated Master Plan was identified as the best method to incorporate all agencies needs and concerns



2

Why update the Master Plan now?

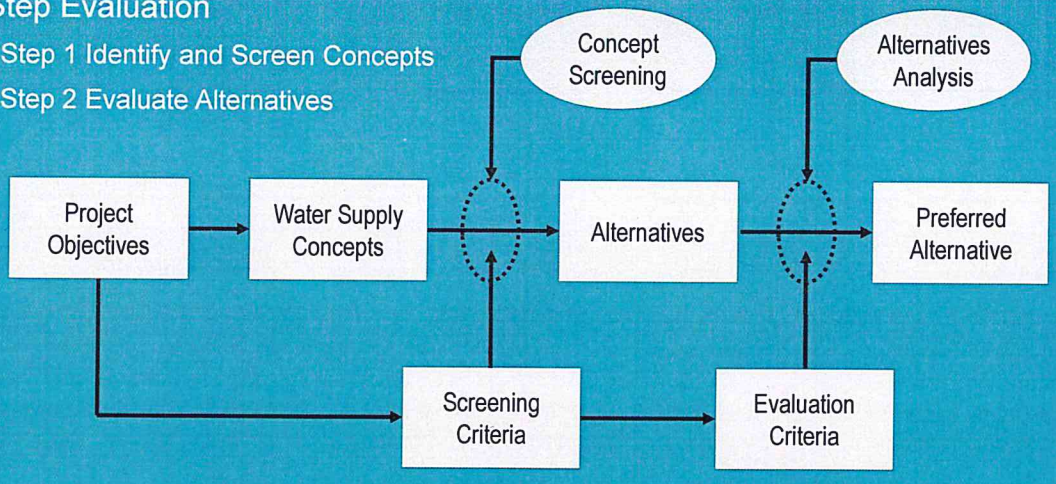
- Ensure SBCWD can meet demand when needed
- Water demand forecasts have shifted
- Severe drought is impacting water supply reliability
- Long term water supply options have evolved
  - Pacheco Reservoir Expansion Project
  - Sustainable Groundwater Management Act
- A new partner, City of San Juan Bautista (SJB), has joined the MOU
- Position for grant funding opportunities that may be available in 2022 / 2023

San Luis Reservoir at 10% capacity in August 2016, ValleyAgVoice

3

Approach for Water Supply Evaluation

- 2 Step Evaluation
  - Step 1 Identify and Screen Concepts
  - Step 2 Evaluate Alternatives



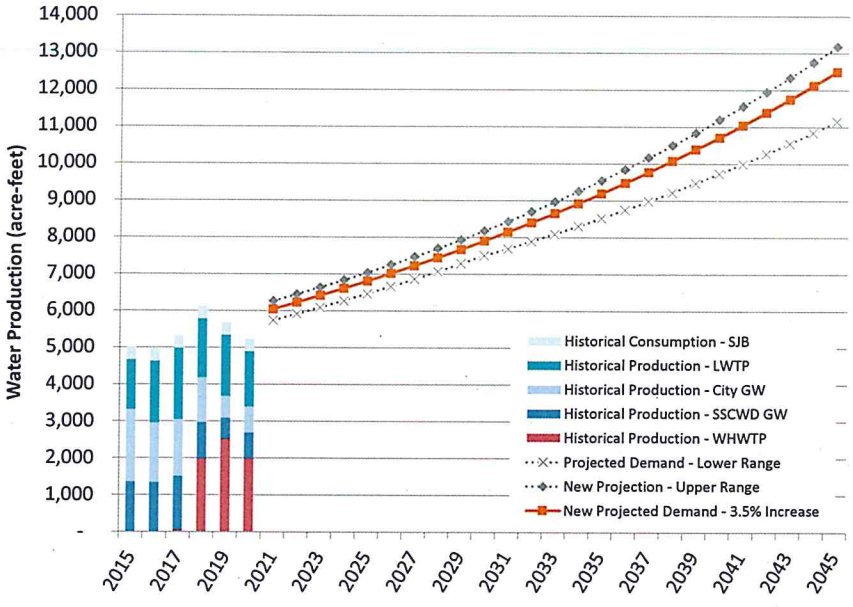
4

Objectives of the 2022 Master Plan Update

- Provide continuous improvement towards achieving drinking water and recycled water quality goals. Hardness is the focus for M&I supply.
- Continue efforts to identify and implement water supply options to increase dry year water supply reliability.
- Provide reliable and sustainable water supply to respond to long-term growth needs.
- Coordinate with ongoing programs including SGMA, the Managed Aquifer Recharge (MAR) project, and supply of treated surface water to SJB.
- Continue to address water needs through coordinated regional solutions.

5

Water Demand Forecast

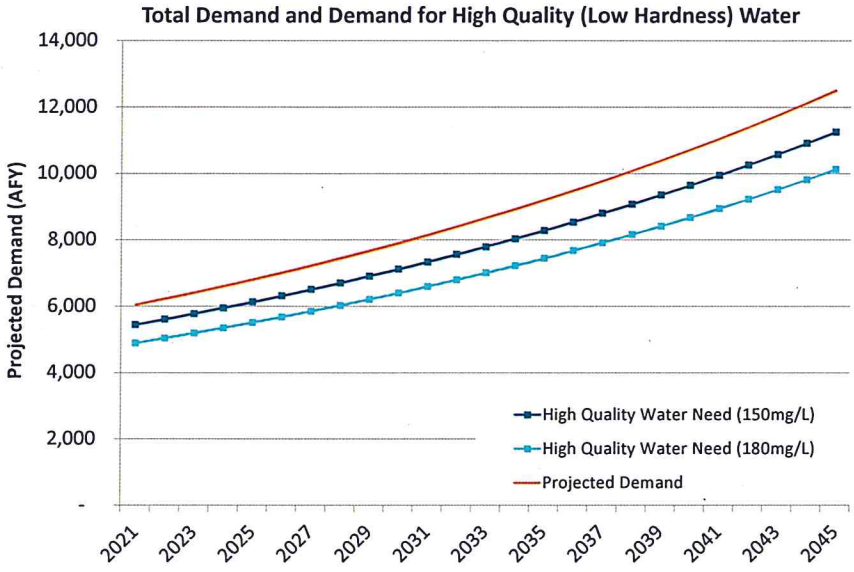


Forecasted Demands

Year	Demand (AFY)
2025	6,810
2030	7,900
2035	9,190
2040	10,710
2045	12,500

6

Water Quality is Key Driver - Hardness

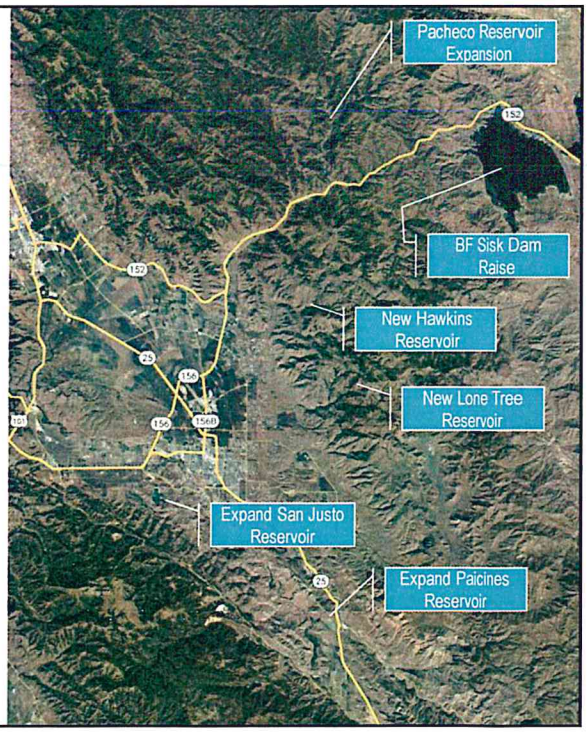


- Hardness is key factor
- Target Range is 150mg/L to 180mg/L
- 150mg/L requires ~90% imported surface water
- 180mg/L requires ~81% surface Water

7

Surface Water Storage Concepts

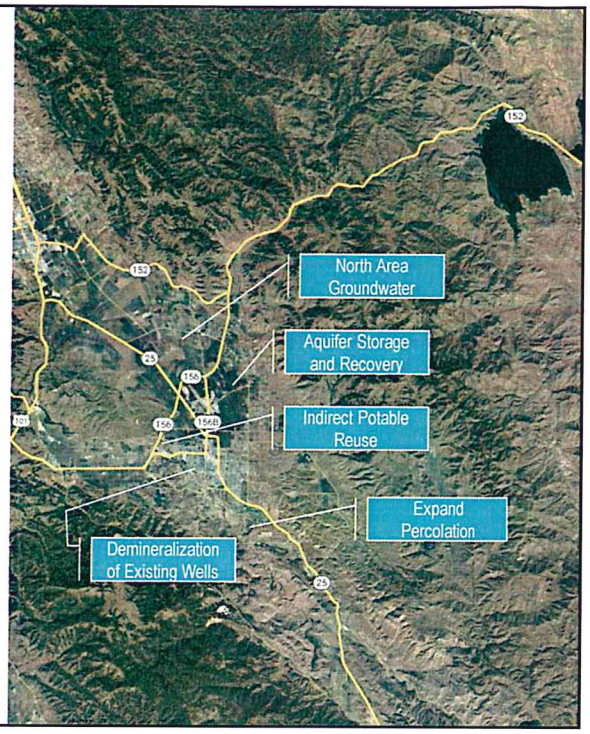
- Expand San Justo Reservoir
- Expand Paicines Reservoir
- New Hawkins Reservoir
- New Off Stream Reservoir in Lone Tree Valley
- Pacheco Reservoir Expansion Project
- BF Sisk Dam Raise (San Luis Reservoir Expansion)



8

Groundwater Concepts

- North Area Groundwater
- Groundwater Demineralization
- Expand Percolation
- Indirect Potable Reuse
- Aquifer Storage and Recovery
- Semitropic Groundwater Bank (out of basin storage)



9

Evaluation Criteria

- Increases Use of Existing CVP Allocations
- Increases Dry Year Water Supply Reliability
- Maximizes Local Control and Resources
- Minimizes Implementation Risk
- Minimizes Cost

10

Concept Screening

	Increases Use of Existing CVP Allocations	Increases Dry Year Water Supply Reliability	Maximizes Local Control and Resources	Minimizes Implementation Risks			
Expand San Justo	3	3	3	2			
Expand Paicines	3	3	3	2			
New Hawkins Reservoir	3	3	3	1			
New Reservoir in Lone Tree	3	3	3	1			
BF Sisk Dam Raise	3	3	1	2			
Semitropic Groundwater Bank	1	1	1	2			
Pacheco Reservoir	3	3	1	2			
North Area Groundwater	1	2	3	3			
Groundwater Demin for MI	1	2	3	2			
Expand Percolation	3	1	3	1			
Indirect Potable Reuse	1	1	3	1			
ASR Wells	3	2	3	2			

11

Concept Screening

	Increases Use of Existing CVP Allocations	Increases Dry Year Water Supply Reliability	Maximizes Local Control and Resources	Minimizes Implementation Risks			
Expand San Justo	3	3	3	2			
Expand Paicines	3	3	3	2			
New Hawkins Reservoir	3	3	3	1			
New Reservoir in Lone Tree	3	3	3	1			
BF Sisk Dam Raise	3	3	1	2			
Semitropic Groundwater Bank	1	1	1	2			
Pacheco Reservoir	3	3	1	2			
North Area Groundwater	1	2	3	3			
Groundwater Demin for MI	1	2	3	2			
Expand Percolation	3	1	3	1			
Indirect Potable Reuse	1	1	3	1			
ASR Wells	3	2	3	2			

12

Estimated Capital Cost

Alternatives	Capital Cost ($M)	Capacity (AF)	Capital Cost ($/AF)	Relative Score
In Basin Surface Water Storage				
Expand San Justo Reservoir	$137	3400	$40,300	1
Expand Paicines Reservoir	$92	5400	$17,100	2
New Hawkins Reservoir	$279	6000	$46,500	1
New Reservoir at Lone Tree	$324	6000	$54,000	1
Out of Basin Surface Water Storage				
Pacheco Reservoir Expansion	$137	6000	$22,900	2
BF Sisk Dam Raise	$50	5000	$10,000	3
Groundwater				
North Area Groundwater	$25	2000	$12,200	3
ASR Wells	$75	6000	$12,600	3

13

Estimated Yield Cost

Alternatives	Total Annual Cost ($1,000s)	Estimated Annual Yield (AFY)	Yield Cost ($/AFY)	Relative Score
In Basin Surface Water Storage				
Expand San Justo Reservoir	$9,237	1020	$9,060	1
Expand Paicines Reservoir	$6,755	1620	$4,170	2
New Hawkins Reservoir	$17,452	1800	$9,700	1
New Reservoir at Lone Tree	$19,983	1800	$11,200	1
Out of Basin Surface Water Storage				
Pacheco Reservoir Expansion	$8,501	720	$11,900	1
BF Sisk Dam Raise	$4,356	1500	$2,910	3
Groundwater				
North Area Groundwater	$3,325	1400	$2,380	3
ASR Wells	$6,472	2190	$2,960	3

14

Water Supply Alternatives Evaluation

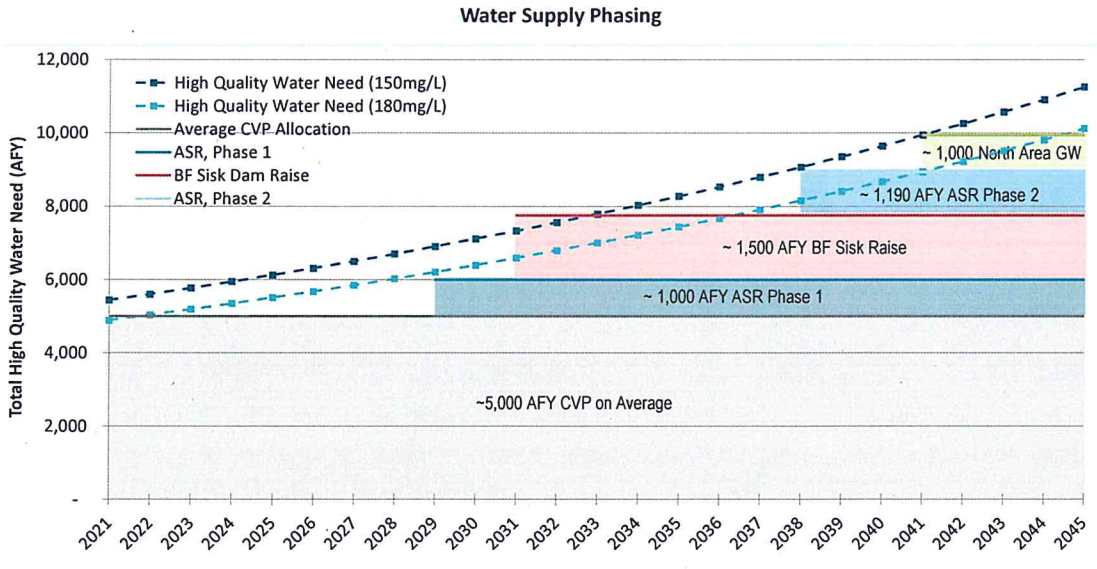
	Increases Use of Existing CVP Allocations	Increases Dry Year Water Supply Reliability	Maximizes Local Control and Resources	Minimizes Implementation Risks	Capital Cost	Yield Cost	Total	Comments
Expand San Justo	3	3	3	1	1	1	12	Permitting/environmental, leakage
Expand Paicines	3	3	3	1	2	2	14	Permitting/environmental
New Hawkins Reservoir	3	3	3	1	1	1	12	Permitting/environmental, land acquisition
New Reservoir in Lone Tree	3	3	3	1	1	1	12	Permitting/environmental, land acquisition
BF Sisk Dam Raise	3	3	1	2	3	3	15	Strong Agency Support/Contract for Access to Supply
Pacheco Reservoir	3	3	1	2	2	1	12	Significant cost increases
North Area Groundwater	1	2	3	3	3	3	15	Requires water in HC for blending, challenge in dry years
ASR Wells	3	2	3	2	3	3	16	Permitting/environmental

Summary:

1. ASR Wells includes water treatment and has relative low Capital and Yield Costs – Priority 1
2. BF Sisk Dam Raise Moving forward with Federal Support – Priority 2
3. North Area Groundwater enhances dry year reliability – Priority 3
4. Pacheco Reservoir is moving forward. Due to High Costs, consider alternative funding strategies for participation – Priority 4
5. Expand Paicines has significant environmental permitting risks – Priority 5
6. Others should be reevaluated in future Master Plan Updates

15

Recommended Phasing Strategy for Water Supply



16

Capital Improvement Program

	15-Year CIP	Future	Total
ASR Pilot Project	$7,100,000		$7,100,000
ASR Phase 1[1]	$39,400,000		$39,400,000
BF Sisk Dam Raise[2]	$50,000,000		$50,000,000
ASR Phase 2[3]		$41,600,000	$41,600,000
North Area Groundwater Phase 1[4]		$14,100,000	$14,100,000
Pacheco Reservoir[5]	TBD	TBD	TBD
Total	**$96,500,000**	**$55,700,000**	**$152,200,000**
Spot Market / Transfers[6]			$5,000,000

1. Initial treatment capacity of 2.5 mgd, 1,000 AFY yield
2. 5,000 AF Storage with 1,500 AFY yield
3. Additional treatment capacity of 3.0 mgd, 1,190 AFY yield
4. Capacity of 1,000 AFY
5. Future involvement in PREP to be determined
6. Present value of estimated spot purchases to target hardness of 180mg/L at $1200 per AF
7. Through 2045, anticipate average of ~730 new connections per year
8. Costs are $2021, referenced to ENR SF CCI of 13110.

17

Next Steps

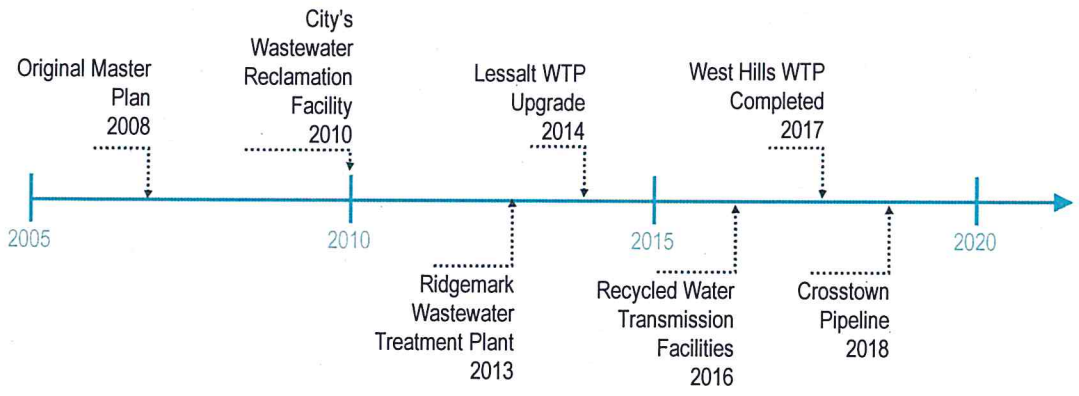
- Initiate ASR Pilot Study to confirm feasibility of the ASR Alternative
  - If ASR is not feasible, move to North Area Groundwater Project and West Hills Expansion
- Keep multiple supply options in play to provide long term flexibility (including contract purchases, transfers, ASR, NAGW, BF Sisk, and PREP)
  - Maintain engagement in BF Sisk Raise
  - Evaluate level of future involvement in PREP
- Complete design and permitting for the SJB Pipeline
- Evaluate Funding and Financing Strategies
- Establish Institutional Agreements
- Update Master Plan in 5 years

18

Questions + Discussion

19

Major Accomplishments
Approximately $150M in Capital Infrastructure



20

San Justo Reservoir Concept

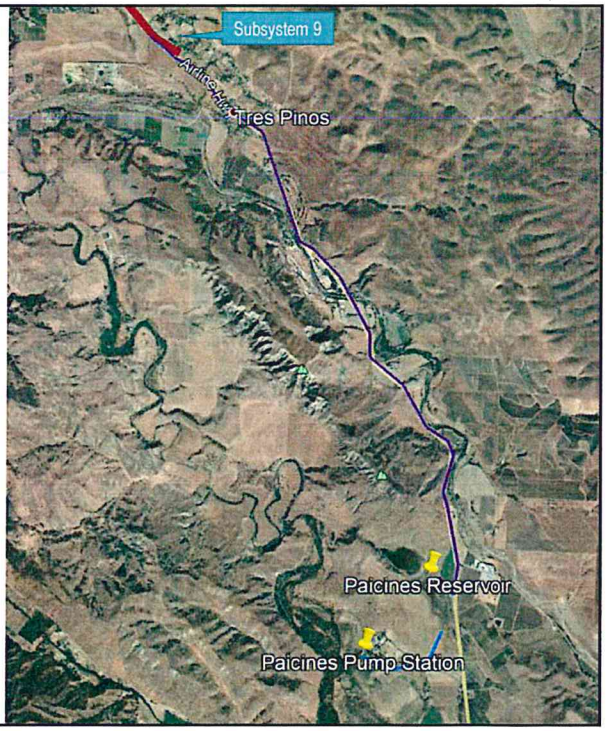
- Existing storage – 10,300 AF
- Dam Raise – 20'
  - 3,400 AF Extra Storage
  - Constrained by topography and elevation adjacent berm
- Facilities required
  - Dam Raise
  - No pipeline – Use existing HC
  - No Pump Station for higher dam elevation

3

21

Paicines Reservoir Concept

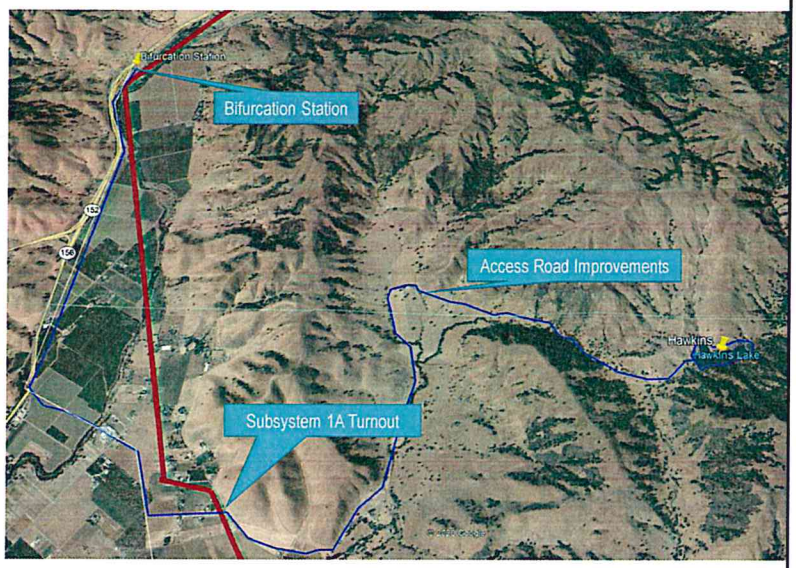
- Existing storage – 2,870 AF
- Dam Raise – 15'
  - 2,600 AF Extra Storage
  - Constrained by topography and elevation adjacent berm
- Facilities required
  - Dam Raise
  - Pipeline – 6 mile 2-way pipeline
  - Pump Station from Subsystem 9 to Paicines
    - Gravity flow reverse direction
  - Offstream diversion



22

Hawkins Reservoir Concept

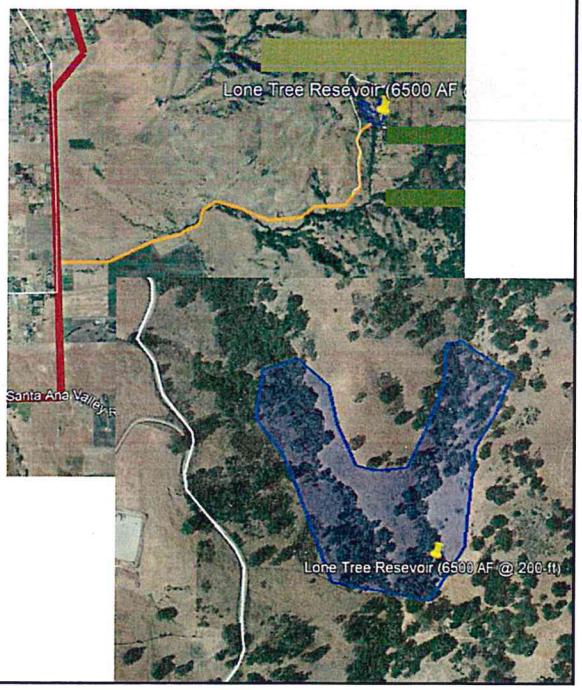
- Existing storage – 575 AF
- Dam Raise – 70'
  - 6,000 AF Extra Storage
  - Constrained by topography and elevation adjacent berm
- Facilities required
  - New Dam
  - Pipeline from HC
  - Pump Station to Dam
  - Access Road Improvements



23

Lone Tree Reservoir Concept

- 6,500 AF storage available
- 200' high reservoir with bottom elevation at 1035'
- Improvements Needed
  - New dam needed at the site with all new existing facilities
  - Pipeline from HC
  - Pump Station to Dam
  - Access Road
  - Moderate drainage area – significant care of water costs during construction.



24

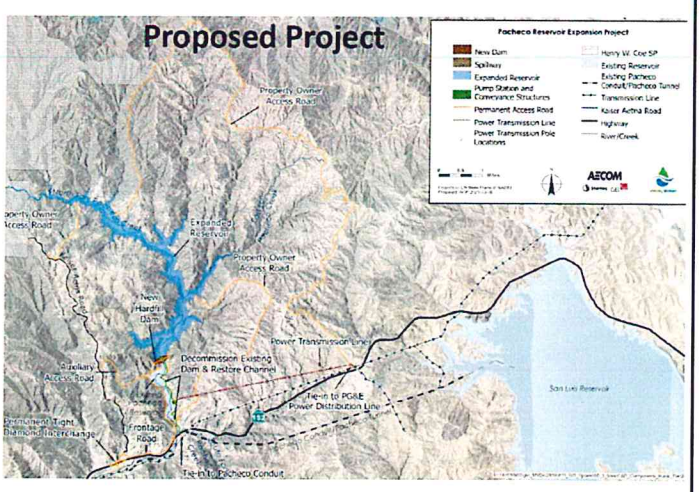
Water Supply Concepts – Out of Basin Storage

- BF Sisk Dam Raise (USBR)
  - ~2,000 AF additional, project is progressing
- Semitropic Groundwater Bank (Valley Water)
  - Current storage through Valley Water (5,000 AF); potential to add more
  - South of San Luis Reservoir – creates challenges for dry year water transfers and water quality in dry years
- Pacheco Reservoir Expansion (Valley Water)

25

Pacheco Reservoir Expansion Project

- Lead Agency: Valley Water
- Current $2.5B
  - $500M Prop 1 Grant
  - $2B Net Cost
- SBCWD is a partner
  - Option to buy-in 2%-10% of usable storage
  - Paying 2% of current cost w option to increase up to 10%
  - EIR is due out by Year End



26

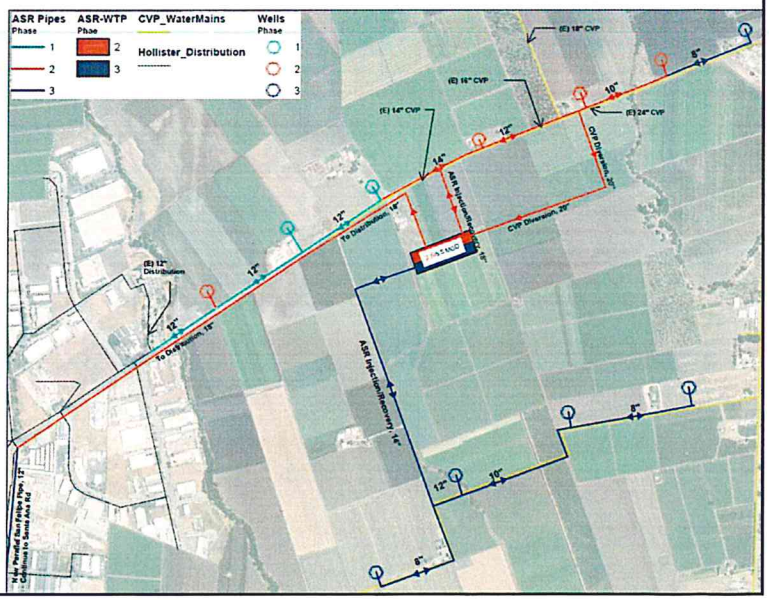
Water Supply Concepts – Groundwater

- North Area Groundwater
  - Capture high groundwater, 2,000 AFY dry to 5,000 AFY wet years
  - New wells, pump stations, pipelines
- Groundwater Demineralization
  - Reverse osmosis treatment at existing municipal wells to improve quality
- Expand Percolation Operations
- Aquifer Storage and Recovery (ASR)
- Indirect Potable Reuse

27

Aquifer Storage and Recovery

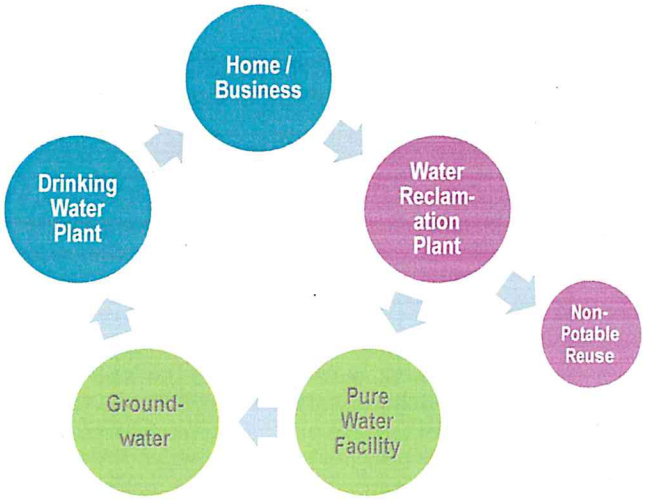
- Capture 6,000 AF of CVP in wet years
- Recover in dry years
- Facilities
  - Pipelines from HC to injection wells
  - 10+ Injection/Production Wells
  - Pipelines from Wellsite to Treatment Plant
  - Water Treatment Plant
  - Pipeline from Water Treatment Plant to Distribution System



28

Indirect Potable Reuse

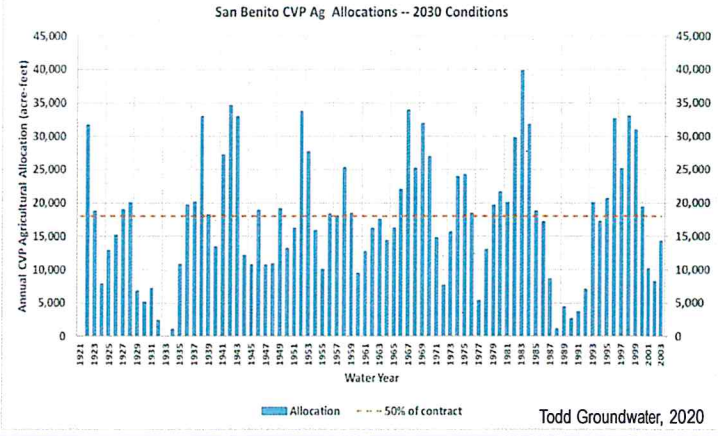
- Facilities
  - New Pure Water Treatment Facility
  - Pipelines from PWTF to injection wells
  - Injection/Production Wells
  - Pipelines from Wellsites to Treatment Plant
  - Drinking Water Treatment Plant
  - Pipeline from Water Treatment Plant to Distribution System
- Similar to ASR, without adding significant additional new water



29

Dry Year Water Supply Reliability → Capture Available Water in Wet Years

- ~6,000 AFY is available in ~25% of years when excess CVP water goes unused
- How can we capture that water?
  - New Reservoir Storage
  - ASR or MAR strategies



30

Estimated Yield Cost

Alternatives	Annual Capital Cost ($1,000s)	Annual O&M Cost ($1,000s)	Total Annual Cost ($1,000s)	Estimated Annual Yield (AFY)	Yield Cost ($/AFY)	Relative Score
In Basin Surface Water Storage						
Expand San Justo Reservoir	$7,450	$1,788	$9,237	1020	$9,060	1
Expand Paicines Reservoir	$5,000	$1,753	$6,755	1620	$4,170	2
New Hawkins Reservoir	$15,170	$2,282	$17,452	1800	$9,700	1
New Reservoir at Lone Tree	$17,616	$2,367	$19,983	1800	$11,200	1
Out of Basin Surface Water Storage						
Pacheco Reservoir Expansion	$7,438	$1,063	$8,501	720	$11,900	1
BF Sisk Dam Raise	$2,719	$1,637	$4,356	1500	$2,910	3
Groundwater						
North Area Groundwater (1&2)	$1,326	$1,999	$3,325	1400	$2,380	3
ASR Wells	$4,100	$2,372	$6,472	2190	$2,960	3

31

Who is Involved?

MOU Governance Structure

Governance Committee

City of Hollister	San Benito County	San Benito CWD	San Juan Bautista	Sunnyslope CWD
Mbr. Perez	Sup. Gonzalez	Mbr. Flores	Mbr. Freeman	Mbr. Alcorn
Mbr. Velazquez	Sup. Hernandez	Mbr. Tobias	Mbr. Jordan	Mbr. Parker

Management Committee

City of Hollister	San Benito County	San Benito CWD	San Juan Bautista	Sunnyslope CWD
Brett Miller	Mike Chambliss	Jeff Cattaneo	Don Reynolds	Drew Lander

Project Team

HDR Engineering, Inc.	Consultant
Holly Kennedy + Team	Bob Ellis

32

San Benito County Water District
Agenda Transmittal

Agenda Item: 7

Meeting Date: March 30, 2022

Submitted By: Jeff Cattaneo

Presented By: Jeff Cattaneo

Agenda Title: Consider Authorizing the District General Manager to Execute the BF Sisk Activity Agreement with San Luis and Delta Mendota Water Authority

Detailed Description: Staff requests that the Board review and consider authorizing the General Manager to execute the BF Sisk Activity Agreement with San Luis and Delta Mendota Water Authority.

At the July 28th regular Board Meeting, the Board approved Amendment 21 of HDR's contract to complete the 2022 update of the Urban Area Water and Wastewater Master Plan Update. The purpose of the 2022 update was to review and forecast urban water demands through 2035. Out of that work, water demand is expected to increase to 9190 ac-ft per yr. of total water demand with 7280 ac-ft per yr. of imported needed for blending with groundwater to meet the 150 - 180 mg/L hardness goal.

A few options were evaluated ranging from new local reservoirs, Valley Water's Expanded Pacheco Reservoir, enlargement of District owned local reservoirs, ASR, North Area Ground Water, and enlargement of BF Sisk Dam "San Luis Reservoir". Out of that work two projects rose to the top as the first project to implement, the ASR project and B.F. Sisk dam raise.

At the January 26, 2022, Management Committee Meeting with the City of Hollister, Sunnyslope County Water District, and City San Juan Bautista representatives, three water supply and treatment alternatives were presented to meet the hardness goals through 2035. These alternatives include a combination of treatment and water supply strategies which would be implemented over approximately a 10-year planning horizon. Future concepts were also included beyond the 10-year horizon, but it is recommended that the feasibility, sequence, and timing of these be revisited and confirmed in future master plan updates.

The three alternatives that were presented include the following:
1. Alternative 1: Achieve Average Day and Max Month Water Quality Targets with early expansion of the West Hills Water Treatment Plan, Spot Market Purchases, Phase 1 of the Aquifer Storage and Recovery Project and participation in the BF Sisk Dam Raise.

2. Alternative 2: Achieve Average Day Water Quality Targets (but not Max Month) with Spot Market Purchases used to maximize production at the existing West Hills Water Treatment Plant, Phase 1 of the Aquifer Storage and Recovery Project and participation in the BF Sisk Dam Raise.

3. Alternative 3: Optimize Existing Central Valley Project (CVP) Water to achieve Water Quality Targets in low demand months, Phase 1 of the Aquifer Storage and Recovery Project and participation in the BF Sisk Dam Raise.

Based on feedback by representatives of the Management Committee, the selected alternative is Alternative 2. With Alternative 2, the SBCWD will procure additional imported surface water in the near term in order to maximize production capacity at the West Hills Water Treatment Plant throughout the year which will facilitate improved water quality throughout the system, throughout the year. With Alternative 2, the average system-wide hardness target of 150-180 mg/L hardness can be achieved on an average annual basis. However, additional treatment capacity is needed in the future to achieve the target during maximum month conditions. As a result, Alternative 2 will not achieve the hardness targets during maximum month conditions.

The purpose of the Activity Agreement is to allow, through the joint exercise of some or all of the common powers of the Activity Agreement Members to participate in the preliminary design of the facilities required to allow the BF Sisk dam expansion project (Project) to move in concert with the USBR BF Sisk Dam Safety project. The Project will allow for an additional 130,000 ac-ft of storage within the existing San Luis Reservoir. The Activity Agreement process allows San Luis and Delta Mendota Water Authority Members to share in the costs through the Authority in the benefits and obligations associated with project management and the anticipated Cost Share Agreement under the terms set forth therein. It is anticipated that amendments or additional agreements may be required to progress the Project past planning and design and into construction and operation.

Initial planning phase costs are estimated to be in the range of $1,000,000 - $2,000,000 over the next 12 – 18 months. Staff's recommended participation level would be 5000 ac-ft, or approximately 4%. At the 4% level and assuming $2,000,000 in preliminary planning and design costs the District's share would be $80,000. Total estimated project cost is approximately $1.3 billion, or $10,000 per ac-ft of storage. To put his into context, the current estimate for the Pacheco Reservoir Expansion project is $2.3 billion, or $18,000 per ac-ft of storage.

The Project is being set up to be a USBR owned facility but controlled by the investors. In other words, investors will have the ability to store water in the additional storage space without risk of loss to the typical carry-over constraints. As shown in the HDR work, at 5000 ac-ft of storage space the annual yield of additional water could be as high as 1,500 ac-ft., or enough to serve an additional 7,500 homes in the urban area.

Participation in the Activity Agreement does not irrevocably commit the District to move forward with the Project. If at any time the District decides not to continue with the Project, the District can give a 30-day notice to the other Activity Agreement participants of its desire to back out of the agreement. At such time the District would no longer be responsible for additional costs associated with the Project.

Prior Committee or Board Action: None

Financial Impact: _____X_____Yes _____ No

Funding Source/ Recap: Master Plan Update 600-1351-0129-151-02

Material Included for Information/Consideration:
BF Sisk Reservoir Expansion Project Activity Agreement

Recommendation: Authorize General Manager Execute BF Sisk Reservoir Expansion Project Activity Agreement

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Action Required: _____ Resolution ___X_____ Motion _____Review

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Board Action

_____Resolution No.___ Motion By_____ Second By_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Reagendized_____ Date_____ No Action Taken_____

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

B.F. SISK DAM RAISE AND RESERVOIR EXPANSION PROJECT ACTIVITY AGREEMENT

This **B.F. SISK DAM RAISE AND RESERVOIR EXPANSION PROJECT ACTIVITY AGREEMENT** ("**Activity Agreement**") is entered into and made effective as of this ____ day of 2022 ("**Effective Date**"), by and among the San Luis & Delta-Mendota Water Authority, a joint powers agency of the State of California ("**Authority**"), and its members who execute this Agreement, who are hereinafter referred to jointly by the plural term "**Activity Agreement Members**." Capitalized terms used in this Activity Agreement shall have the meanings set forth in Section 2 below.

1. RECITALS

A. The parties to this Activity Agreement, together with certain other local agencies, have entered into an amended and restated Joint Exercise of Powers Agreement-San Luis & Delta-Mendota Water Authority dated as of January 1, 1992 (the "**JPA**" or "**JPA Agreement**"), by and among the parties indicated therein, establishing the Authority for the purpose of exercising the common powers of the Activity Agreement Members, including those powers described in this Activity Agreement.

B. The Activity Agreement Members are each empowered, among other powers, to provide water service to lands within their boundaries; to operate and maintain works and facilities for the development, distribution, and use of water for irrigation and for any drainage or reclamation works connected therewith or incidental thereto and/or to operate and maintain works and facilities for the development, distribution and use of water for municipal and industrial use; to contract with the United States, the State, and other public agencies and, effective January 1, 1995, with mutual water companies, for such purposes; to control the quality of water accepted into their respective systems; to exercise powers related to the construction, operation, or maintenance of water storage and delivery facilities; and to adopt rules and regulations necessary to the exercise of such powers.

C. The Activity Agreement Members have each entered into contracts with the United States for water from the Central Valley Project ("**CVP**") and receive water conveyed through the Delta-Mendota Canal, the San Luis Canal, and/or the Pacheco Pumping Plant and Tunnel.

D. For several years to come, because of hydrologic conditions and/or regulatory constraints, the operation of the CVP by the United State Bureau of Reclamation ("**Reclamation**") will likely result in shortages of supply, which would result in less water being made available to the members of the Authority than required to meet the demands of their customers.

E. The Authority has authorized execution of a series of cost-share agreements with federal parties regarding collaboration on the planning, preliminary design, and environmental compliance for the B.F. Sisk Dam Raise and Reservoir Expansion Project ("**Reservoir Expansion Project**" or "**Project**"), to seek potential storage benefits of the Project for Authority member agencies.

F. Authority member agencies, including the Activity Agreement Members, have paid the costs associated with planning to date.

G. The Authority, together with Reclamation, has considered the feasibility of the Reservoir Expansion Project to, among other things, increase long-term reliability and quantity of yearly allocations to south-of-Delta CVP contractors dependent on San Luis Reservoir, increase the certainty of access to supplies stored by south-of-Delta CVP contractors in San Luis Reservoir in subsequent water years, and provide additional surface water access during drought periods, while maintaining benefits from the existing San Luis Reservoir.

H. The planning to date for the Project included, but was not limited to, planning for the construction of an expanded San Luis Reservoir with a total additional capacity of 130,000 acre-feet, and related modification to Highway 152.

I. The Authority anticipates the need to hire a Project Management Consultant to manage this effort and to execute a cost share agreement with Reclamation for Reservoir Expansion Project Planning ("**Cost Share Agreement**") in the near future, for the purpose of providing cost-sharing to complete planning, permitting, and design activities related to the Project. For design activities, the separate project components are the Sisk Dam Raise, Recreation Sites, Tower, Highway 152, bridge, and spillway. The Cost Share Agreement will specify the components on which Reclamation will take the design lead and on which the Authority will take the lead. Subsequent amendments would be expected for construction related activities.

J. Individual Authority member agencies desire to provide cost-sharing, including through the Authority's execution of the anticipated Cost Share Agreement on their behalf.

K. Each of the parties to this Activity Agreement desires to participate in the benefits and incur the obligations associated with project management and the anticipated Cost Share Agreement, through the joint exercise of their common powers under this Activity Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the true and correct facts recited above, and of the covenants, terms, and conditions set forth herein, the Activity Agreement Members and the Authority agree as follows:

2. DEFINITIONS

2.1. **"Activity Agreement"** or **"Agreement"** shall mean this B.F. Sisk Dam Raise and Reservoir Expansion Project Activity Agreement.

2.2. **"Activity Agreement Expenses"** shall mean all expenses directly incurred by the Authority pursuant to this Activity Agreement and any agreements executed in conjunction with this Activity Agreement, together with a share of Authority Operating Costs allocable to Members of this Activity Agreement and allocable to any Non-Member Participating Parties through Memoranda of Understanding executed in conjunction with this Activity Agreement.

2.3. **"Activity Agreement Member"** shall mean a member of the Authority who is signatory to this Activity Agreement. The Activity Agreement Members are listed on Exhibit "A" attached hereto.

2.4. **"Activity Participants"** shall mean the Activity Agreement Members and the Non-Member Participating Parties, as defined below.

2.5. **"Administration Agreements"** shall mean those certain agreements between the Authority and Activity Agreement Members for the undertaking of activities and sharing of costs and benefits pursuant to Sections 22 and 23 of the JPA.

2.6. **"Authority"** shall mean the San Luis & Delta-Mendota Water Authority.

2.7. **"Authority Operating Costs"** shall mean the Authority's rent and other occupancy charges, acquisition costs of office furniture and equipment, including telephone, telecopy, photocopy, cost of cars and other vehicles, insurance premiums, salaries and wages of employees including payments in connection with retirement programs and other benefit programs, fees of

creditors, lawyers, engineers and other consultants, travel, telephone, telecopy, and photocopy expenses, and any other general administrative expenses.

2.8. "**Board of Directors**" shall mean the Board of Directors of the San Luis & Delta-Mendota Water Authority.

2.9. "**Cost Share Agreement**" shall mean the Cost Share Agreement for the B.F. Sisk Dam Raise and Reservoir Expansion Project planning entered into by the Authority on behalf of the Activity Agreement Members.

2.10. "**Fiscal Year**" shall mean the Authority's March 1 – February 28/29 fiscal year.

2.11. "**JPA**" or "**JPA Agreement**" shall mean that certain Joint Exercise of Powers Agreement effective January 1, 1992, establishing the Authority, as has been and may be amended or restated over time.

2.12. "**Memorandum of Understanding**" or "**MOU**" shall mean an agreement in the form approved by the Activity Agreement Members and Authority Board of Directors between the Authority and a local agency, city, county, or mutual water company that is not a member of the Authority but which desires to participate in this Activity Agreement as a Non-Member Participating Party; "**Memoranda of Agreement**" or "**MOUs**" shall refer collectively to all such Memoranda of Understanding.

2.13. "**Non-Member Participating Party**" shall mean a local agency, city, county, or mutual water company that is not a member of the Authority but which by execution of an MOU agrees to undertake the same obligations and is accorded the same benefits as a member of the Authority that has executed this Activity Agreement. The Non-Member Participating Parties are listed on Exhibit "A" attached hereto.

2.14. "**Participation Percentage**" shall mean each Activity Participant's allocated share of Activity Agreement Expenses determined as described in Section 10 of this Agreement and set forth on Exhibit "B" as updated from time to time.

2.15. "**Reservoir Expansion Project**" or "**Project**" shall mean the proposed project pertaining to the planning, design, permitting, and other preconstruction activities associated with the B.F. Sisk Dam Raise and Reservoir Expansion Project.

3. PURPOSE OF AGREEMENT

3.1. The purpose of this Activity Agreement is to allow, through the joint exercise of some or all of the common powers of the Activity Agreement Members described in the Recitals above, as appropriate, the Activity Agreement Members to participate through the Authority in the benefits and obligations associated with project management and the anticipated Cost Share Agreement under the terms set forth herein. The Activity Agreement Members anticipate that amendments or additional agreements may be required to progress the Project past planning and design and into construction and operation.

3.2. The parties acknowledge and agree that the Authority's role in this Activity Agreement is to: 1) provide the umbrella joint powers agreement pursuant to which the parties may exercise their common powers and to provide coordinated services at the expense of the Activity Agreement Members; 2) negotiate, implement, and administer the anticipated Cost Share Agreement in coordination with the Activity Agreement Members; 3) provide administrative services for implementation of the Cost Share Agreement, including, but not limited to, providing notices, billing, and accounting services to the Activity Agreement Members during the term hereof; and 4) undertake such additional activities and responsibilities, including project management and supervision of project management as may be requested and funded by the Activity Agreement Members.

4. ORGANIZATION

The business of this Activity Agreement shall be conducted by the Authority at large and therefore be governed by the Board of Directors of the Authority. However, it is recognized that at some time in the future the Activity Agreement Members may wish to form a separate body specifically for the purpose of directing the business of the Activity Agreement. Within eighteen (18) months of the Effective Date, the Activity Agreement Members will evaluate whether to facilitate the formation of an Activity Agreement steering committee. If the Activity Agreement Members unanimously agree, upon that agreement, the Board of Directors of the Authority will consider establishing the organizational structure proposed by the Activity Agreement Members, which will be described in an amendment to this Activity Agreement, and that organizational structure may then serve as the governing body for this Activity Agreement.

5. ROLE OF AUTHORITY; POWERS RESERVED TO BOARD OF DIRECTORS AND LIMITATIONS THEREON

5.1. Role of the Authority. The role of the Authority under this Activity Agreement will be to provide, through Authority staff or contracts with consultants, coordinated services to assist the Activity Participants in conducting the activities contemplated by this Agreement. The Authority will provide only those services supported with funding from the Activity Participants, grant funding, or other means that will not impose costs on members of the Authority that are not Activity Agreement Members, in accordance with budgets recommended by staff, and approved by the Activity Participants and the Board of Directors, as more specifically provided under the terms of this Agreement.

5.2. Powers Reserved to Board of Directors and Limitations Thereon.

a) The Board of Directors shall have ultimate approval authority over all Activity Agreement annual budgets based upon the recommendation of staff and approval of the Activity Participants; provided, the Board of Directors may only alter an Activity Agreement annual budget in a manner consistent with the Activity Participants' recommendation.

b) The Board of Directors shall have the right, upon recommendation of or in consultation with staff, and the approval of Activity Participants, to approve all amendments to this Activity Agreement, including any amendment terminating the Activity Agreement, and to approve the MOU with each entity seeking to become a Non-Member Participating Party; provided, that no amendment of this Activity Agreement shall be required to add new Activity Agreement Members prior to May 9, 2022.

c) The Board of Directors shall have the right, upon the recommendation of or in consultation with staff, and the approval of Activity Participants, in the form of formal Board action, to authorize execution of all agreements relating to the Reservoir Expansion Project.

d) The Board of Directors shall have the right, upon the recommendation of or in consultation with staff, and the approval of Activity Participants, to act on any claims and to make decisions concerning the prosecution of, defense of, or other participation in actions or proceedings at law brought against the Authority arising from this Activity Agreement; provided if that action is taken at the request of the Activity Participants then the costs for such action shall be borne by the Activity Participants.

e) The Board of Directors delegates to staff the power to conduct the activities described in this Activity Agreement pursuant to the terms of this Activity Agreement and MOUs, without the required approval of the Board of Directors except as specifically provided in this Section 5.2. This delegation shall specifically include, but not be limited to, the power to enter into contracts within approved Activity Agreement budgets.

6. APPROVAL BY AN ACTIVITY PARTICIPANT OR ACTIVITY PARTICIPANTS

6.1. When the terms of this Activity Agreement or applicable law require the approval of an Activity Participant, written documentation of such approval, whether by Resolution, motion, or other form of authorization, must be provided to the Authority and to each of the other Activity Participants.

a) For actions requiring the approval of only the particular Activity Participant, approval by such Activity Participant is required.

b) When approval of the Activity Participants is required for a particular action, unanimous approval of the Activity Participants will be required relative to the following actions:

6.1.b.1. Admitting a new Activity Agreement Members following the expiration of the date in Section 5.2.b and Section 15.1;

6.1.b.2. Admitting a Non-Member Participating Party at any time;

6.1.b.3. Establishing or modifying the Participant Percentage applicable to the Activity Participants; and

6.1.b.4. Amendment of this Activity Agreement.

c) For all other actions that require approval of the Activity Participants, including approval of an annual budget, the approval of a majority of the Activity Participants will constitute approval of the action.

7. BUDGETARY RESPONSIBILITIES

To the extent that the Authority prepares budgets for this Activity Agreement, the Authority shall coordinate with Activity Participants in the development of any such budgets for the activities authorized by this Activity Agreement, annually or more frequently as needed, for presentation to the Board of Directors of the Authority in accordance with Section 22 of the JPA Agreement. The Authority staff will not present to the Board of Directors a budget for this Activity Agreement unless and until supported by each of the Activity Participants. Budgeted amounts for this Activity

Agreement will be collected through the invoicing process described in Section 10 of this Activity Agreement, and, provided each of the Activity Participants is in agreement, formal amendment of such budgets through Board of Directors of the Authority approval is not required for adjustments of expenditure for activities authorized by this Activity Agreement.

7.1. Initial Budget. To initially fund the budget for this Activity Agreement, the Activity Participants agree to contribute a total of $1,000,000 according to the Participation Percentages referenced in Section 10 below and described in Exhibit "B" to this Activity Agreement. This initial budget amount will be used, among other purposes, to reimburse the Authority for costs paid to support the Reservoir Expansion Project from March 1, 2022 onward using funds from the Authority's Fiscal Year 2023 Leg/Ops budget.

7.2. Subsequent Invoicing.

a) The Authority shall invoice each of the Activity Agreement Members for all Activity Agreement Expenses in their respective Participation Percentages on the same schedule as it utilizes for collecting membership dues to implement the Authority budget for each March 1 through February 28/29 fiscal year, generally twice yearly in mid-March and August of each year. Payments are due thirty (30) days following the receipt of the Authority's invoice.

b) The Authority shall promptly invoice each of the Activity Agreement Members for any additional expenses (e.g. under the anticipated Cost Sharing Agreement), with payments due thirty (30) days following the receipt of the Authority's invoice.

7.3. Budget to Actual Adjustments. The Authority shall true up budgeted amounts collected from the Activity Participants, grant funding, or other means to actual expenditures annually following the end of each fiscal year. Any over-payments between budgeted and actual expenditures, taking into account any year-end carryover reserve, shall be credited or refunded to each Activity Participant for the period through February 28, 2023, and for each year thereafter, based upon its Participation Percentage. Each Activity Participant shall be billed for any under-payment following the true-up, with payment due thirty (30) days after the invoice is received.

7.4. Funding of Any Future Debt Obligations. To the extent the Authority incurs debt obligations to meet its financial obligations under the anticipated Cost Sharing Agreement, the Activity Agreement Members hereby agree to pay to the Authority their respective shares of costs incurred by the Authority via (1) direct payment (cash) in accordance with any adopted repayment

schedule, or (2) payment of debt service consistent with any adopted repayment schedule. The Activity Agreement Members agree that amendment of this Activity Agreement may be required before any such debt obligations are incurred to finance future planning and design of the Project.

8. ACCOUNTABILITY, REPORTS, AND AUDITS

8.1. Full books and accounts for this Activity Agreement shall be maintained by the Authority in accordance with practices established by, or consistent with, those utilized by the Controller of the State of California for public entities. The books and records shall be open to inspection by the Activity Participants at all reasonable times, and by bondholders and lenders as and to the extent provided by resolution or indenture.

8.2. There shall be strict accountability of all funds deposited on behalf of the Activity Agreement with the Authority. The Treasurer of the Authority, directly or acting through its Accounting Department, shall provide regular reports of Activity Agreement accounts. Funds of the Activity Agreement shall be subject to audit by the official auditor of the Authority. An Activity Participant may request an independent audit of the Activity Agreement funds; such audit shall be conducted at the expense of the requesting Activity Participant.

9. ACTIVITY AGREEMENT EXPENSES AND ALLOCATION OF OPERATING COSTS

9.1. The Authority and the Activity Participants agree that all Activity Agreement Expenses incurred by the Authority under this Activity Agreement are the costs of the Activity Participants, and not of the Authority, and shall be paid by the Activity Participants. Activity Agreement Members and Non-Member Participating Agencies, if any, shall be primarily responsible for determining, among themselves, a fair and equitable apportionment of Activity Agreement Expenses at all stages of the Project and throughout the term of this Activity Agreement.

9.2. The Activity Participants further agree that the Board of Directors is authorized to allocate a share of Authority Operating Costs, which includes a portion of costs addressed by the Administration Agreements, as part of the Activity Agreement Expenses to cover the cost to the Authority of administering this Activity Agreement.

10. PARTICIPATION PERCENTAGES

10.1. Initial Participation Percentages. Beginning with costs incurred by the Authority on or after March 1, 2022, each Activity Agreement Member agrees to reimburse the Authority for that member's share of the actual costs due by the Authority under the anticipated Cost Sharing

Agreement, plus that member's share of any Activity Agreement Expenses (e.g. project management costs, Authority staff time costs, etc.). Each Activity Agreement Member's share will be based on the following formula:

[Activity Agreement Member's CVP Contract Total]

Divided by

[Contract Total of all Activity Agreement Members' CVP Contracts]

For example, if there are four (4) Activity Agreement Members, three of which hold CVP contracts for 20,000 acre-feet, and one of which hold CVP contractors for 40,000 acre-feet, the respective participation percentages would be 20%, 20%, 20%, and 40%.

10.2. Changing Participation Percentages. The Participation Percentages will be reconsidered and may be revised in each of the following circumstances:

a) Execution of Cost Share Agreement;

b) Addition of Activity Participant(s); and

c) Withdrawal of Activity Participant(s). Upon the withdrawal of one or more Activity Participants pursuant to Section 14, the remaining Activity Participants agree that each of them will be allocated a proportionate share of all Activity Agreement Expenses and any associated interests in the Reservoir Expansion Project. Any Activity Participant may be relieved of its obligation to assume the additional proportionate share created by the withdrawal of an Activity Participant if (1) the remaining Activity Participants agree to proportionately assume the withdrawing Activity Participant's share of obligations and benefits, or (2) the Activity Participant is able to assign its proportionate share to another Activity Participant. Any such assignment will occur in accordance with Article 16.3 below.

In addition to the circumstances listed above, the Participation Percentages may be revised at other times if the Activity Participants unanimously agree to a revision.

10.3. Ongoing Documentation of Participation Percentages. The Participation Percentages of each Activity Participant shall be dated and attached as Exhibit "B" to this Activity Agreement, effective upon the date approved by all Parties, without any further amendment of this Agreement being required. Any further amendments to Exhibit "B" may be made using the

procedure included in this Section 10 without any further separate amendment of this Activity Agreement being required.

11. SOURCE OF PAYMENTS

Each Activity Participant agrees that it will timely take actions necessary to provide sufficient money to meet its obligations hereunder. Each Activity Participant hereby confirms that the Authority and other Activity Participants are third party beneficiaries of such Activity Participant's obligations under this Agreement and may take such actions in law or in equity as may be desirable to enforce payments hereunder.

12. INDEMNIFICATION OF AUTHORITY MEMBERS WHO DO NOT PARTICIPATE IN THIS ACTIVITY AGREEMENT

The Activity Participants shall hold the Authority and each of its members who are not Activity Participants, free and harmless from and indemnify each of them against any and all costs, losses, damages, claims, and liabilities arising actions or inactions taken under this Activity Agreement or the MOUs. This indemnification obligation includes the obligation of the Activity Participants to defend the Authority, and all members of the Authority that are not participants in this Activity Agreement, at the sole expense of the Activity Participants, in any action or proceeding brought against the Authority or any of its members not participating in this Activity Agreement, to recover any such costs, losses, damages, claims, or liabilities arising from this Activity Agreement, as well as the obligation to pay for any and all costs of litigation incurred by the Authority as a result of entering into this Activity Agreement. Such costs may include, but are not limited to, attorneys' fees and costs incurred by the Authority pursuant to approved budgets to defend its provision of services under this Activity Agreement.

13. TERM

This Activity Agreement shall take effect on May 9, 2022 ("**Effective Date**"), assuming execution by at least two (2) Authority members prior to that date, and shall remain in full force and effect until this Activity Agreement is rescinded or terminated by the Authority and the Activity Agreement Members, with approval by the Non-Member Participating Parties, if any.

14. WITHDRAWAL FROM FURTHER PARTICIPATION

14.1. An Activity Participant may withdraw from this Activity Agreement at any time by providing written notice to the Authority and the other Activity Participants. The withdrawal shall be effective fifteen (15) days after sending the written notice. A withdrawing Activity Participant

shall be responsible for its share of the costs incurred through the effective date of its withdrawal and shall not be entitled to a return of any money paid pursuant to Section 10. However, if a withdrawing Activity Participant withdraws prior to execution of the anticipated Cost Share Agreement, the withdrawing Activity Participant shall have no obligation to pay any future share of the Authority's cost under the anticipated Cost Share Agreement or any additional Activity Agreement Expenses.

14.2. If the Authority withdraws from the anticipated Cost Share Agreement and, Reclamation returns to the Authority any money paid, the Authority shall use its best efforts to ensure that money is refunded proportionately to the Activity Agreement Members that initially contributed it.

15. INITIAL MEMBERSHIP/ADMISSION OF NEW MEMBERS

15.1. Authority Members. Members of the Authority may become Members of this Activity Agreement without Board action through May 9, 2022. After May 9, 2022, admission of new Members shall require amendment of this Activity Agreement and approval by the Board of Directors and the Activity Agreement Members. Such approval of new Members will include terms, if necessary, to ensure the Activity Participants do not bear undue financial obligations, e.g., payment of a proportionate share of the costs previously paid and opportunity costs by Activity Agreement Members under this Activity Agreement.

15.2. Non-Authority Members. A local agency, city, county, or mutual water company that is not a member of the Authority may become a Non-Member Participating Party (and Activity Participant) at any time following the Effective Date, if the existing Activity Agreement Members unanimously approve the admission of the Non-Member Participating Party. Such admission will occur through execution of a MOU and action by the Board of Directors. Such MOU, as appropriate, will include terms, if necessary, to ensure that existing Activity Participants do not bear undue financial obligations, e.g., payment of an equal share of the costs previously paid and opportunity costs by Activity Participants under this Activity Agreement.

15.3. Documentation. The admission of any Activity Participant pursuant to this section shall be documented by that new Activity Agreement Member signing this Activity Agreement or that new Non-Member Participating Party entering into a MOU with the Authority, subject to this Activity Agreement. Upon admission of a new Activity Participant, the parties shall agree to the

participation percentage of such new Activity Participant, to be documented in the above-referenced amendment or MOU and Exhibit "B" to this Activity Agreement.

16. MISCELLANEOUS

16.1. California Environmental Quality Act. The physical, operational, and financial details of the Reservoir Expansion Project have been analyzed by the Authority as lead agency pursuant to the California Environmental Quality Act ("CEQA") in the Final Environmental Impact Statement/Final Environmental Impact Report ("EIR"). The Authority has not yet certified the EIR or approved the Reservoir Expansion Project, but plans to do so in the near future. The Authority plans to concurrently consider adoption of CEQA Findings of Fact, Mitigation Measures, a Mitigation Monitoring and Reporting Program, and a Statement of Overriding Considerations. The Authority and/or Activity Participants and other public agencies may be responsible agencies under CEQA for actions related to the Reservoir Expansion Project; however, the actions contemplated by this Activity Agreement have no potential for physical effects on the environment. Each potential improvement, project, and/or activity subject to this Activity Agreement or other related agreements, have been or will be fully evaluated in compliance with CEQA, as applicable. This Activity Agreement does not, and is not intended to, bind any party to a definite course of action or limit in any manner the discretion of the Authority and/or Activity Participants, or any other public agency, as applicable, in connection with consideration of agreements relating to the Reservoir Expansion Project, including without limitation, all required environmental review, all required public notice and proceedings, consideration of comments received, and the Authority's and/or Activity Participants' or other public agencies' evaluation of mitigation measures and alternatives including the "no project" alternative.

16.2. Amendments. This Agreement may be amended in writing by the Authority and the Activity Agreement Members, with approval from the Non-Member Participating Parties, if any.

16.3. Assignment; Binding on Successors. Except as otherwise provided in this Activity Agreement, the rights and duties of the Activity Participants may not be assigned or delegated without the written consent of the Authority and other Activity Participants. Any attempt to assign or delegate such rights or duties in contravention of this Activity Agreement shall be null and void. Any approved assignment or delegation shall be (1) consistent with the terms of any contracts, resolutions, indemnities, and other obligations of the Authority then in effect, and (2) limited to an

assignment to an existing Activity Participant. This Activity Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the Authority and the Activity Participants.

16.4. Counterparts. This Activity Agreement may be executed by the Authority and the Activity Agreement Members in separate counterparts, each of which when so executed and delivered shall be an original, but all such counterparts shall together constitute but one and the same instrument.

16.5. Choice of Law. This Activity Agreement shall be governed by the laws of the State of California.

16.6. Severability. If one or more clauses, sentences, paragraphs or provisions of this Activity Agreement shall be held to be unlawful, invalid or unenforceable, it is hereby agreed by the Activity Agreement Members and the Authority that the remainder of the Activity Agreement shall not be affected thereby.

16.7. Headings. The titles of sections of this Activity Agreement are for convenience only and no presumption or implication of the intent of the parties as to the construction of this Activity Agreement shall be drawn therefrom.

16.8. Reasonable Cooperation. Activity Participants will reasonably cooperate with each other and the Authority to perform the obligations under this Activity Agreement and to carry out the purpose and intent of this Activity Agreement.

IN WITNESS WHEREOF, the Members and the Authority have executed this Activity Agreement as of the date appearing next to their respective signature lines:

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

By: _____

Name: _____

Title: _____

Date: _____

ACTIVITY AGREEMENT MEMBERS

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Agency Name: _____

By: _____

Name: _____

Title: _____

Date: _____

EXHIBIT A

B.F. SISK DAM RAISE AND RESERVOIR EXPANSION PROJECT ACTIVITY AGREEMENT MEMBERS AND NON-MEMBER PARTICIPATING PARTIES

Agency Name	Participation Status (AA Member or Non-Member Participating Party)

EXHIBIT B

ALLOCATION OF EXPENSES AMONG ACTIVITY PARTICIPANTS

Activity Participants	Allocation (%)

San Benito County Water District
Agenda Transmittal

Agenda Item: 8

Meeting Date: March 30, 2022

Submitted By: Shawn Novack

Presented By: Shawn Novack

Agenda Title: Discuss and Consider Approval of Resolution to Submit a Grant Application to the Bureau of Reclamation for WaterSMART Small-Scale Water Efficiency Projects (Funding Opportunity No. R22AS0095)

Description:

The WRASBC would like to use the funding opportunity to support a Turf Removal Program for its' Member Agencies (City of Hollister, City of San Juan Bautista and Sunnyslope County WD).

A recent report from the Alliance for Water Efficiency compiled data across multiple turf replacement programs and found average water savings of 11-76 gallons/square foot annually after replacing turf

The Bureau of Reclamations WaterSMART Small-Scale Water Efficiency Projects grant opportunity is for small, on-the-ground projects that conserve, better manage or use water more efficiently in the West.

Outdoor water use is the largest portion of residential water use, especially in hotter inland areas and cities with larger lots. While lawns have value for recreation and aesthetics, replacing existing turf lawns with well-designed low-water landscapes that incorporate native and climate-appropriate shrubs, grasses, and trees, along with mulch varieties that replenish soil and retain water, can have many benefits.

We are requesting funding for a turf removal program to begin October 2022 (award commences) and estimate it will take a year to allocate the funds. End date would be October 2023.

The funding would be a 50/50 costs share. The total funding request is for $160,000.

Prior Committee or Board Action(s): Administration

Financial Impact: _____X_____Yes _____ No

Funding Source/ Recap: 50/50 Costs Share ($80K Bureau of Reclamation) ($80K WRASBC Reserves)

Material Included for Information/Consideration:

- Draft Resolution

Recommendation: Recommend Board approval of resolution to submit Grant Application to the Bureau of Reclamation for WaterSMART Small-Scale Water Efficiency Projects (Funding Opportunity No. R22AS0095).

Action Required: _____ Resolution ____X____Motion _____Review

Board Action

____Resolution No._____ Motion By_____ Second By_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Reagendized_____ Date_____ No Action Taken_____

RESOLUTION NO. 2022-09

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BENITO COUNTY WATER DISTRICT TO SUBMIT AN APPLICATION TO THE BUREAU OF RECLAMATION TO OBTAIN A GRANT UNDER THE WaterSMART SMALL-SCALE WATER EFFICIENCY PROJECTS (SWEP) TO FUND A TURF REMOVAL PROGRAM

WHEREAS, Through WaterSMART Small-Scale Water Efficiency Projects (SWEP), Reclamation provides financial assistance to water managers for projects that seek to conserve and use water more efficiently and accomplish other benefits that contribute to sustainability in the West; and

WHEREAS, California, including San Benito County, has been experiencing drought the last three year; and

WHEREAS, Outdoor water use is the largest portion of residential water use, especially in hotter inland areas and cities with larger lots. While lawns have value for recreation and aesthetics, replacing existing turf lawns with well-designed low-water landscapes that incorporate native and climate-appropriate shrubs, grasses, and trees, along with mulch varieties that replenish soil and retain water, can have many benefits; and

WHEREAS, the proposed replacement of turf to drought-tolerant landscape will result in significant residential water savings, thus supporting the District's water conservation goals; and

WHEREAS, the U.S. Department of the Interior- Bureau of Reclamation (funding agency) issued Funding Opportunity Announcement No. R22AS00195 for the "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022" which funding for small-scale water efficiency projects; and

WHEREAS, the San Benito County Water District desires to apply for the "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022".

NOW, THEREFORE, BE IT RESOLVED:

1) The District Manager of the San Benito County Water District is hereby authorized and directed to make application and submit a proposal to the funding agency to obtain a "WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2022" grant in an amount up to $80,000, to support a Turf Removal Program.

2) The District Manager of the San Benito County Water District, or designee, is hereby authorized to enter into an agreement, and any amendments thereto, with the funding agency to receive a 2022 Small-Scale Water Efficiency grant in an amount up to $80,000.

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 March 2022, by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSTAIN: DIRECTORS:

ABSENT: DIRECTORS:

_____

Joseph Tonascia
President

ATTEST: _____

Sara Singleton
Assistant Manager

Agenda

Item

9

ACWA 2022 Spring Conference & Exhibition

May 3 - 5, 2022 | Sacramento, CA

PRELIMINARY AGENDA

ACWA JPIA - MONDAY, MAY 2

8:30 - 10:00 AM
- ACWA JPIA Program Committee

10:15 - 11:15 AM
- ACWA JPIA Executive Committee

1:30 - 4:00 PM
- ACWA JPIA Board of Directors

4:00 - 5:00 PM
- ACWA JPIA Town Hall

5:00 - 6:00 PM
- ACWA JPIA Reception

TUESDAY, MAY 3

8:00 AM - 9:45 AM
- Agriculture Committee

8:00 AM - 6:00 PM
- Registration

8:30 AM - Noon
- ACWA JPIA Seminars

10:00 - 11:45 AM
- Groundwater Committee
- Energy Committee

11:00 AM - Noon
- Outreach Task Force

Noon - 2:00 PM
- Committee Lunch Break

1:00 - 2:45 PM
- Legal Affairs Committee
- Local Government Committee
- Finance Committee
- Water Management Committee

1:00 - 3:00 PM
- ACWA JPIA: Sexual Harassment Prevention for Board Members & Managers (AB 1825)

3:00 - 4:45 PM
- Communications Committee
- Federal Affairs Committee
- Membership Committee
- Water Quality Committee

5:00 - 6:30 PM
- Welcome Reception in the Exhibit Hall

WEDNESDAY, MAY 4

7:30 AM - 5 PM
- Registration

8:00 - 9:45 AM
- Opening Breakfast *(Ticket Required)*

8:30 AM - 6:00 PM
- Connect in the Exhibit Hall

10:00 - 11:00 AM
- Attorneys Program
- Finance Program
- Region Forum
- Statewide Forum
- Water Industry Trends Program

11:15 AM - 12:15 PM
- Roundtable Talks

12:30 PM - 1:30 PM
- Networking Lunch in the Exhibit Hall *(Ticket Required)*

1:45 - 2:45 PM
- Attorney Program
- Communications Committee Program
- Finance Program
- Statewide Forum

3:00 - 3:30 PM
- Ice Cream Break in the Exhibit Hall

3:30 - 4:45 PM
- Regions 1-10 Membership Meetings

5:00 - 6:00 PM
- ACWA Reception in the Exhibit Hall

6:00 - 7:00 PM
- Women in Water Hosted Reception

THURSDAY, MAY 5

7:30 AM - 2:00 PM
- Registration

8:00 AM - 9:15 AM
- Exhibitor Demonstrations
- Networking Continental Breakfast in the Exhibit Hall *(Ticket Required)*

8:00 AM - Noon
- Connect in the Exhibit Hall

8:30 - 10:45 AM
- Ethics Training (AB 1234) - *Limited Seating*

9:30 - 11:00 AM
- Attorneys Program
- **NEW!** Innovation Program
- Region Forum
- Statewide Forum
- Water Industry Trends Program

11:15 - 11:45 AM
- Prize Drawings in the Exhibit Hall

Noon - 2:00 PM
- General Session Luncheon *(Ticket Required)*

2:15 - 3:15 PM
- Attorneys Program
- Finance Program
- Town Hall
- Water Industry Trends Program

3:30 - 4:30 PM
- Energy Committee Program
- Federal Forum
- Region Forum
- Water Industry Trends Program

4:45 PM
- Closing Reception

Last modified: February 16, 2022

Registration required to attend any part of ACWA's Spring Conference & Exhibition, including Tuesday May 3 Committee Meetings. See www.acwa.com for health & safety attendance requirements.

QUESTIONS?
Email us at events@acwa.com

Registration Cancellation Deadline: April 22, 2022 4:30 p.m. (PT)
All conference programs are subject to change without notice.

Agenda

Item

10

ACWA 2022 Spring Conference & Exhibition

May 3 - 5, 2022 | Sacramento, CA

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Last modified: February 16, 2022

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All conference programs are subject to change without notice.

ACWA 2022 Spring Conference & Exhibition

May 3 – 5, 2022 | Sacramento, CA

REGISTRATION, MEALS AND HOTEL PRICING SHEET

REGISTER ONLINE

Register online by **April 22, 2022** at **www.acwa.com** to take advantage of the advance pricing.

REGISTER ON SOMEONE'S BEHALF

Select from a list of people affiliated with your company in your account. If the registrant is not listed, you will need to create a Portal profile for the registrant before registering.

GROUP SAVINGS! Register 5 individuals from the same organization, receive a 6th registration free!*
(Subject to terms and conditions. Contact Teresa Taylor at TeresaT@acwa.com for more information) before registering.*

REGISTRATION OPTIONS *Advantage pricing applies to ACWA public agency members, associates & affiliates.* *Standard pricing applies to non-members of ACWA.*	ADVANCE DEADLINE: 4/22/22		ONSITE	
	ADVANTAGE	STANDARD	ADVANTAGE	STANDARD
Full Conference Registration & Meals Package Includes access to all conference programs, meal functions, exhibit hall and access to On-Demand Conference Recordings after the live conference.	$775	N/A	N/A	N/A
Full Conference Registration Only (meals sold separately) On-Demand Conference Recordings NOT included but may be purchased separately.	$620	$930	$650	$975
Tuesday Committee Meetings Only (complimentary - must register to attend)	$0	$0	$0	$0
One-Day Conference Registration (meals sold separately) **Wednesday, May 4:** Includes access to Welcome Reception in the Exhibit Hall on Tuesday night and access to the Exhibit Hall and all conference programs on Wednesday only **Thursday, May 5:** Includes access to the Exhibit Hall, all conference programs and the Closing Reception on Thursday only.	$370	$555	$390	$585
Guest Conference Registration (meals sold separately) Guest registration is not available to anyone with a professional reason to attend.	$75	$75	$75	$75
VIRTUAL OPTION: On-Demand Conference Recordings Only Includes on-demand access to all recorded sessions after the live conference.	$220	$330	$220	$330

MEAL FUNCTIONS	ADVANCE	ONSITE
Wednesday Opening Breakfast – May 4	$50	$55
Wednesday Networking Luncheon – May 4	$50	$55
Thursday Continental Breakfast in Exhibit Hall – May 5	$40	$45
Thursday Luncheon – May 5	$55	$60

HOTEL INFORMATION

You must be registered for the ACWA conference in order to receive hotel reservation information and conference special room rate. **Conference special rate is available February 22 – April 11**, based on availability.

HOTEL & ROOM RATES

Hyatt Regency Sacramento, 1209 L St, Sacramento
Single/Double $219 per night*

Sheraton Grand Sacramento, 1230 J St, Sacramento
Single/Double $217 per night*

* Subject to applicable state/local taxes & fees

HEALTH & SAFETY

Please review ACWA's Health & Safety Information and prepare the required Covid vaccination/negative test documentation and mask before arrival.

IMPORTANT DATES

The conference hotel room block opens on February 22.

Deadline for group rate is April 11, 2022

For those **registering for conference prior to February 22**, information on how to reserve your hotel room will be provided via e-mail on February 22.

For those registering for conference from **February 22 to April 11**, your **confirmation e-mail** will include the information on how to reserve your hotel room and an opportunity to receive a conference special hotel rate.

QUESTIONS? Contact events@acwa.com

Conference terms and conditions available at acwa.com in the event section.

ACWA
Association of California Water Agencies

ACWA 2022 Spring Conference & Exhibition

May 3 - 5, 2022 | Sacramento, CA

IN-PERSON REGISTRATION TERMS & CONDITIONS

ONLINE REGISTRATION & CANCELLATION DEADLINE IS **APRIL 22, 2022 AT 4:30 PM (PT)**

WHO IS ELIGIBLE FOR "ACWA ADVANTAGE" PRICING?

ACWA Advantage pricing is available to the following registrants:

- An officer or director of an ACWA member agency.
- A person directly employed by an ACWA public agency member, affiliate or associate organization. This does not include independent contractors, service providers, or third-party vendors.
- Any ACWA board member whose fee is paid for by member agency.
- Any state or federal administrative or legislative personnel in elected, appointed or staff positions.
- Staff of ACWA/JPIA and Water Education Foundation.
- Any individual or honorary life member of ACWA.

MEMBERSHIP INFORMATION – *Become a Member & Save on ACWA Events*

If you are interested in learning more about becoming an Associate, contact ACWA Events at Events@acwa.com. For public agency membership, please contact Katie Dahl at KatieD@acwa.com.

ONE-DAY REGISTRATION

By choosing a Wednesday only registration, you are entitled to attend the Welcome Reception on Tuesday evening and all programs on Wednesday.

CANCELLATIONS & CHANGES

All registration changes and cancellations must be made in writing by the event registration deadline. Valid cancellation requests will receive a refund of any registration fees paid minus a $75 processing charge. For payments originally made by credit card, refunds can be issued back onto the credit card within 60 days. Otherwise, a refund will be issued by check. No refunds or registration changes will be granted after the registration deadline. Submit request in writing to Teresa Taylor at TeresaT@acwa.com.

SUBSTITUTIONS

Event registrations are transferable from one participant to another within the same organization. Please submit your request in writing before the event registration deadline to Teresa Taylor at TeresaT@acwa.com. Include the original registrant's name, the new person's name, title and email address with your request. After the registration deadline, substitutions will be handled on-site. Only one substitution is permitted per original registrant. The individual submitting the substitution request is responsible for all financial obligations (including any balance due) associated with the original registration. There is no fee to transfer an eligible registration.

GROUP DISCOUNT

For every 5 paid individual "Full Conference Only" registrations from the same organization, a 6th complimentary "Full Conference Only" registration will be received. Meals are sold separately. The complimentary registration must be for an individual from the same organization and is subject to applicable registration fees for any subsequent cancellations. Contact Teresa Taylor at TeresaT@acwa.com for details. Registrations using discount or complimentary codes are not eligible.

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SPECIAL REQUESTS & ACCOMMODATIONS

Special requests and dietary restrictions must be submitted in writing to Teresa Taylor at TeresaT@acwa.com. Participants are encouraged to submit special requests as soon as possible. If you have a disability that requires an accommodation, please contact Teresa Taylor at TeresaT@acwa.com or call toll free at (888) 666-2292 to discuss your needs.

REFUNDS

Except as otherwise provided in this document, all payments and fees are nonrefundable after the registration deadline.

MEAL TICKETS

After registration deadline, meal tickets are not eligible for exchange, refund or credit.

NONATTENDANCE

Registrants who fail to attend the event, in part or in whole, are not eligible for a refund or credit and will be billed for any balance due.

GUEST REGISTRATION

Guest registration is available to a spouse, companion or guest of an ACWA event registrant. Guest registration is not available to ACWA members (public agencies) or "Friends of ACWA" (affiliates, associates or individuals). Guest registration is also not available to anyone with a professional reason to attend for purposes of learning or business. The guest registration includes admission to the Exhibit Hall, the opening reception and the ability to purchase meal tickets and attend meal functions. Guest registrants are not eligible for cash or prize drawings.

CONSENT

Registration and attendance at, or participation in, this event constitutes an agreement by the registrant to ACWA's use and distribution (both now and in the future) of the registrant's name, title, organization and mailing address as well as the registrant's image or voice in photographs, videotapes, electronic reproductions and audiotapes.

TRAVEL RESTRICTIONS

If due to Coronavirus (COVID-19) or related variant travel restrictions are imposed in the region, state, or country from which you are traveling from that prevents your in-person attendance, your pre-paid registration fees may be applied toward your registration for ACWA's 2022 Fall Conference & Exhibition. Your cancellation notice must be received forty-eight (48) hours prior to the start of ACWA 2022 Spring Conference & Exhibition, and sent in writing to Events@acwa.com. Notices of cancellation sent to any other recipient will not be valid or deemed accepted by ACWA. Transfer of registration valid for the individual registrant only and no substitutions allowed.

CANCELLATION DUE TO HEALTH RESTRICTIONS

If you are unable to attend ACWA 2022 Spring Conference & Exhibition in-person due to a positive COVID-19 test result or symptoms, your pre-paid registration fees may be applied toward your registration for ACWA's 2022 Fall Conference & Exhibition. Your cancellation notice must be received forty-eight (48) hours prior to the start of ACWA 2022 Spring Conference & Exhibition, and sent in writing to Events@acwa.com. Notices of cancellation sent to any other recipient will not be valid or deemed accepted by ACWA. Transfer of registration valid for the individual registrant only and no substitutions allowed.

Your notice of cancellation of registration does not otherwise affect or alter your hotel and travel arrangements, and you remain solely responsible for the costs of your hotel and travel reservations, including any applicable cancellation charges.

ACWA is not liable for any incurred expenses related to cancellation.

CANCELLATION OF EVENT

ACWA will adhere to all local and state regulatory health and safety guidelines. In the event that ACWA must cancel the in-person event in Sacramento due to environmental or regulatory requirements, fire, strikes, weather or other uncontrollable circumstances before the opening date, all pre-registrations will be refunded.

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CURRENT HEALTH & SAFETY MANDATES (AS OF 2/23/22)

In accordance with the State of California and the California Department of Public Health, all attendees will be required to comply with the following:

1. Show a driver's license or other photo ID (such as a passport, military ID, student ID)
2. Provide proof of full COVID-19 vaccination (with final dose at least 14 days prior to event). Proof of vaccination can be a physical vaccination card, a photo on your phone of your vaccination card, or a digital vaccination record. All California residents may request a digital vaccination record at MyVaccineRecord.cdph.ca.gov . Booster not required
3. OR a negative COVID-19 test result* (PCR test taken within 48 hours of event; OR Rapid Antigen Test taken within 24 hours of event)
4. Venue staff and attendees are not required to wear a mask if they are fully vaccinated.
5. If unvaccinated, please wear a mask inside the venue at all times. Acceptable masks are surgical, cloth, or (K) N95. Gaiters, bandanas, face shields or masks with an exhalation valve will not be acceptable. Prolonged periods of mask removal are not permitted for eating or drinking. Masks must be worn between bites and sips.
6. ACWA's 2022 Spring Conference & Exhibition is considered a 'Mega Event' under California Department of Health guidelines. ACWA is expecting over 1000 attendees indoors; therefore, a vaccination check or negative Covid test is required to attend.

* COVID-19 Tests Accepted

PCR or negative antigen test (rapid test) results will be accepted, as long as they are in writing and from a medical professional or laboratory.

Negative results from a home test that are accessed through a CDC-approved mobile app will also be accepted, as long as the name on the results documentation matches the name on your photo ID. Below are some acceptable tests that can be used:

- Cue COVID-19 Test for Home and Over the Counter Use
- Lucira Check It COVID-19 All-In-One Test Kit
- Abbott BinaxNOW COVID-19 Ag Card Home Test plus NAVICA app

ASSUMPTION OF RISK, ACKNOWLEDGEMENT AND WAIVER

By registering to attend this Event and participating in Events held by Association of California Water Agencies (ACWA), you hereby acknowledge, understand and agree that:

- ACWA adheres to applicable federal, state and local Coronavirus (COVID-19) guidelines and regulations and may implement a number of health precautions for the protection of its in-person attendees, including requirement of face masks, social distancing measures, and sanitizing and disinfection measures. However, the Center for Disease Control and the World Health Organization have classified COVID-19 and its strains as a highly contagious and dangerous disease. ACWA cannot eliminate the risk of you being exposed to or contracting COVID-19;

- You are fully aware that your physical appearance at the Event Locations(s) and participation in the Event or any Event related activities carries with it certain inherent risks related to infectious diseases or viruses including but not limited to COVID-19 transmission ("Inherent Risks") that cannot be eliminated regardless of the care taken to avoid such risks. Inherent Risks may include, but are not limited to, (1) the risk of coming into close contact with individuals or objects that may be carrying COVID-19; (2) the risk of transmitting or contracting COVID-19, directly or indirectly, to or from other individuals; and (3) injuries and complications ranging in severity from minor to catastrophic, including death, resulting directly or indirectly from COVID-19 or the treatment thereof;

- You further understand that the CDC has determined that certain risk factors, such as advanced age (65 or older), and certain underlying medical conditions, including kidney disease, COPD, immunocompromised state, obesity, heart conditions, sickle cell disease, diabetes, asthma, cerebrovascular disease, cystic fibrosis, hypertension, liver disease, pregnancy, pulmonary fibrosis, and smoking, increase the risk for severe illness from COVID-19 and its strains;

- You acknowledge that the risks of COVID-19 or its strains are not fully understood, and that contact with, or transmission of, COVID-19 may result in risks including but not limited to loss, personal injury, sickness, death, damage, and expense, the exact nature of which are not currently ascertainable, and all of which are to be considered Inherent Risks;

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- You understand and accept that there is Inherent Risk from a failure of other participants not following proper COVID-19 protocols, such as maintaining proper social distancing and hygiene measures, and that the COVID-19 precautionary measures being employed by ACWA as designed and implemented in accordance with applicable regulations may be insufficient to prevent the transmission or contraction of COVID-19 and suffering any related injuries;

- You hereby voluntarily, knowingly and freely accept and assume all such Inherent Risks related to illness and infectious diseases, such as COVID-19 or similar viruses, even if arising from the negligence or fault of the Released Parties (as defined below);

- You acknowledge and assume full responsibility for risks inherent in any type of physical activity, including the activities at the Event location(s). These risks include property damage, serious bodily injury, and/or death, including any injury, harm and loss caused by the negligence, fault or conduct of any kind on the part of the Released Parties;

- You will not attend the Event in person if you experience symptoms that of fever, fatigue, difficulty in breathing, or dry cough or exhibiting any other symptoms relating to COVID - 19 or similar virus at any time during the 14 days immediately prior to the commencement date of the Event;

- You will not attend the Event in person if you or any member(s) of your household is diagnosed to be infected with COVID-19 or similar virus at any time during the 14 days immediately prior to the commencement date of the Event;

- Your attendance and participation in the Event is completely voluntary, and that you are attending and participating in the Event of your own free will and volition. It is your responsibility to ascertain any health conditions you may have that may make it inadvisable for you to participate in the Event or any Event related activity.

All Terms & Conditions are subject to change.

ACWA & SACRAMENTO ARE PREPARED FOR YOU

ACWA and the SAFE Credit Union Convention Center in Sacramento are committed to the health and safety of our members, guests, employees, and community by providing a safe meeting destination.

Please check ACWA website for current health & safety mandates.

Current Health & Safety Mandates (as of 2/23/22):

- Show a driver's license or other photo ID before entering the venue.
- Provide proof of full Covid vaccination *(with final dose at least 14 days prior to event date)*. Booster not required.
- OR a negative Covid test result* *(PCR test taken within 48 hours of event, OR Rapid Antigen Test taken within 24 hours of event)*
- Venue staff and attendees are not required to wear a mask if they are fully vaccinated.
- If unvaccinated, please wear a mask inside the venue at all times.
- ACWA's 2022 Spring Conference & Exhibition is considered a 'Mega Event' under California Department of Health guidelines. ACWA is expecting over 1000 attendees indoors; therefore, a vaccination check or negative Covid test is required to attend.

*** COVID-19 Tests Accepted**

PCR or negative antigen test (rapid test) results will be accepted, as long as they are in writing and from a medical professional or laboratory.

Negative results from a home test that are accessed through a CDC-approved mobile app will also be accepted, as long as the name on the results documentation matches the name on your photo ID.

See www.ACWA.com for some acceptable tests that may be used.

LET'S ALL DO OUR PART

ACWA will be following local and California Department of Public Health guidelines for meeting and catering planning, along with duty of care industry recommendations including:

- Controlled distribution of registration badges and materials
- Plexi-guard dividers at registration, concierge and general session counters
- Social-distance floor markers
- Masks available at Registration counters
- Wide aisles and booth spacing in Exhibit Hall
- Meeting room seating capacities with seats spaced 1ft apart. 6-8 ft. between tables. Standing along meeting room walls will be prohibited.
- Recommended health & hygiene signage
- Catering will include plated and banquet served food, individual servings and containers. Masked and gloved servers.
- Acknowledge and accommodate different levels of comfort

The SAFE Credit Union Convention Center has received the **GBAC STAR Facility Accreditation**, which ensures the Convention Center is implementing the industry's highest standards for meeting and cleaning disinfection including:

- Cleaning frequency with special attention provided to high-touch areas (door handles/push plates, elevators, handrails, windowsills, etc.)
- Use of color coordinated microfiber cloths to eliminate cross contamination in high-touch areas
- Use of electrostatic/disinfectant sprayers
- Enhanced air handling filtration system
- Hand sanitizer dispensers strategically placed throughout the building in high traffic areas
- State, local, and CDPH recommended health & hygiene reminders/signage throughout the facility to remind guests and employees of mask requirements, proper handwashing, and respiratory etiquette
- Guest Services staff will be monitoring meeting rooms and Exhibit Hall offering friendly reminders for adherence to mask requirements and meeting room seating capacity. Standing along meeting room walls will be prohibited.

Attendees can do their part including:

- Respect and follow venue health & safety guidelines
- Properly cover mouth and nose with a mask *(if applicable)*
- Wear a mask at all times inside venue, excluding active eating or drinking *(if applicable)*
- Wash hands often or use hand sanitizer that contains at least 60% alcohol
- Self-monitor for signs & symptoms of COVID-19
- Stay home if you are feeling sick
- Contact ACWA at events@acwa.com if experiencing symptoms of COVID-19 within 10 days after participating in ACWA's 2022 Spring Conference & Exhibition
- Acknowledge and accommodate different levels of comfort
- Be patient with registration and food service, which may take a bit longer.

Thank you for your patience!

Agenda

Item

11

No materials