

WATER MANAGEMENT PLAN

FINAL – FEDERAL REGISTER COPY

San Benito County Water District

July 29, 2009

San Benito County Water District

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List of Attachments

Attachment A: Cover sheets from the following four reports: (Attach E-2002 WMP)

1. A Report on the Feasibility of Water Supply Development, San Felipe Division, Central Valley Project, California, US Department of the Interior, Bureau of Reclamation, March 1964.
2. Final Environmental Statement, Vol. I (FES 76-15), San Felipe Division, Central Valley Project, California, Bureau of Reclamation, Department of the Interior, March 8, 1976.
3. Draft Environmental Impact Report, Loan Application – Distribution Systems Act Public Law 130, Formation of Zone 6 – Benefit Area, San Benito County, San Felipe Project, Creegan & D'Angelo – McCandless, A Joint Venture, Consulting Engineers, June 1977.
4. Draft Environmental Assessment, Central Valley Project Long-Term Water Service Contract Renewals For San Felipe Division.

Attachment B: SBCWD Soils Map

*Attachment C: SBCWD Water User's Handbook (Rules & Regulations)
(Attach B-2002 WMP)*

Attachment D: SBCWD Sample Water Bills

Attachment E: SBCWD Water Short Resolutions Nos. 2008-04 & -06

Attachment F: Final Groundwater Report for Water Year 2007

Attachment G: 2004 Groundwater Management Report Update (will mail copy)

Attachment H: SBCWD Water Transfer Policies (Resolutions 2007-07 & -12)

Attachment I: SBCWD 2007 Rates & Charges

Attachment J: Notices of SBCWD Education Programs & Services for Customers

Attachment K: SBCWD Agricultural Water Order Form

Attachment L: Water Waste Ordinances for Sunnyslope County Water District, the City of Hollister, and the County of San Benito (Attach I-2002 WMP)

Attachment M: WRA Public Information Materials

Attachment N: Billing Documents from the City of Hollister, City of San Juan Bautista, & Sunnyslope County Water District (need from SJB)

Section 1: Description of the District

District Name: San Benito County Water District

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A. History

The San Benito County Water District's CVP Contractor Service Area (District) is identified as Zone 6. The San Benito County Water District's boundary is co-terminus with the San Benito County boundary and encompasses approximately 1,396 square miles. Zone 6 is in the northern part of San Benito County, at the terminus of the CVP San Felipe Division. Zone 6 encompasses the County's two incorporated cities, Hollister and San Juan Bautista. Figure 1 – Location Map, indicates the location of San Benito County within the state of California. Figure 2 – Location of Zone 6, indicates the location of Zone 6 within San Benito County. Figure 3 – Project Benefit Area Map, shows a closer view of Zone 6 (the benefit area of the CVP San Felipe Division) as well as the Calaveras fault line and some major streams in the area. For a detailed history and other information see:

A Report on the Feasibility of Water Supply Development, San Felipe Division, Central Valley Project, California, United States Department of the Interior, Bureau of Reclamation, March 1964.

Final Environmental Statement, Volume I (FES 76-15), San Felipe Division, Central Valley Project, California, Bureau of Reclamation, Department of the Interior, March 8, 1976.

Draft Environmental Impact Report, Loan Application – Distribution Systems Act Public Law 130, Formation of Zone 6 – Benefit Area, San Benito County, San Felipe Project, Creegan & D'Angelo – McCandless, A Joint Venture, Consulting Engineers, June 1977.

Draft Environmental Assessment, Central Valley Project Long-Term Water Service Contract Renewals for San Felipe Division.

1. *Date district formed:* 1977 *Date of first Reclamation contract:* April 15, 1978
Original size (acres): 47,360 acres *Current year (last complete calendar year):* 2007



Figure 1. Location Map of San Benito County in California.

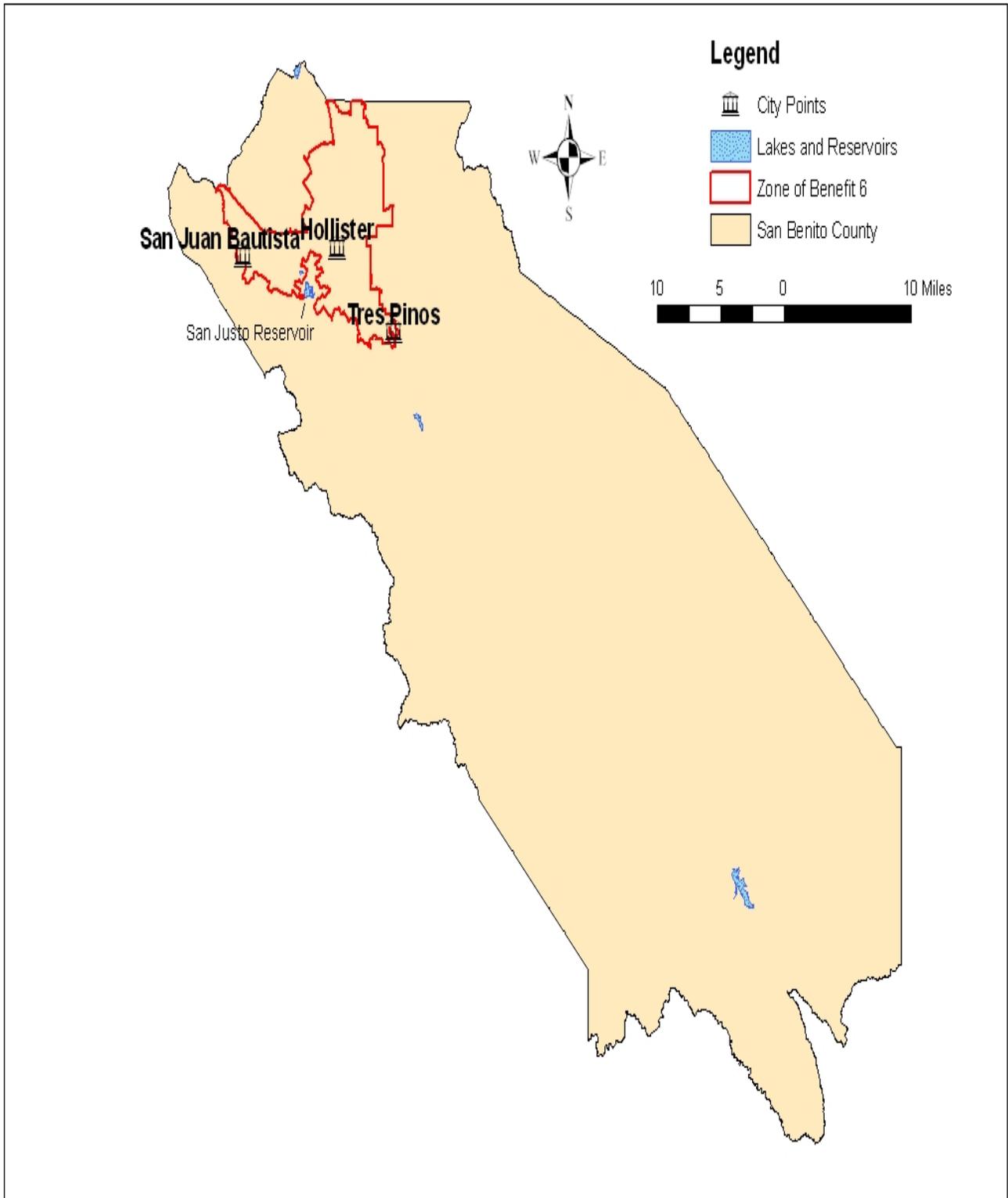


Figure 2. Location of Zone 6 within San Benito County.

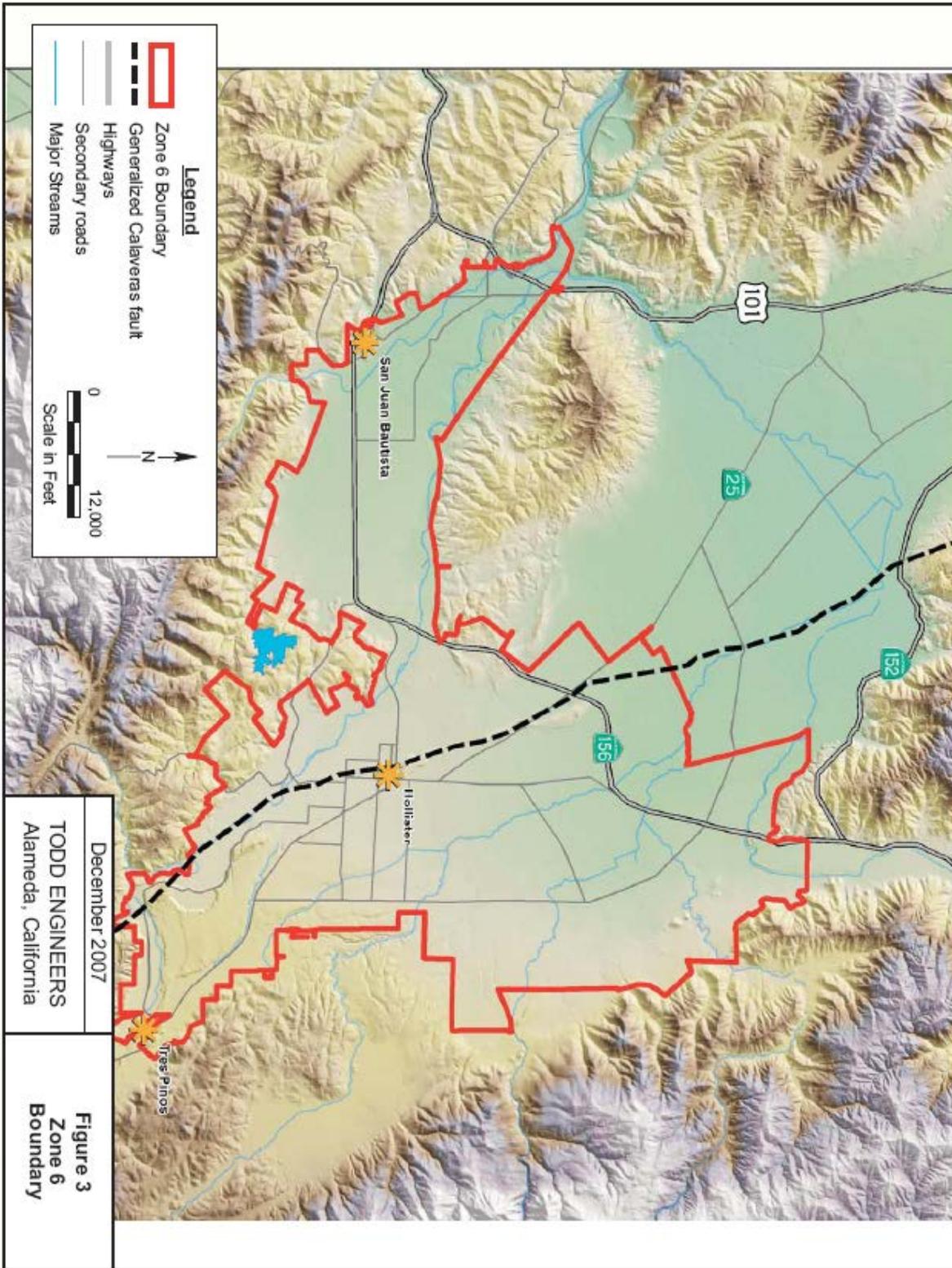


Figure 3. Project Benefit Area Map.

2. *Current size, population, and irrigated acres*

	2007
<i>Size (acres)</i>	47,360
<i>Population served</i>	56,300
<i>Irrigated acres</i>	36,184

3. *Water supplies received in current year*

<i>Water Source</i>	<i>AF</i>
<i>Federal urban water</i>	3,715
<i>Federal agricultural water</i>	16,776
<i>State water</i>	N/A
<i>Other Wholesaler (define)</i>	N/A
<i>Local surface water</i>	0
<i>Upslope drain water</i>	N/A
<i>District ground water</i>	N/A
<i>Transferred water</i>	50
<i>Recycled water</i>	N/A
<i>Other (percolated CVP water)</i>	306
Total	20,847

4. *Annual entitlement under each right and/or contract*

	<i>AF</i>	<i>Source</i>	<i>Contract #</i>	<i>Contract Restrictions</i>
<i>USBR Urban AF/Y</i>	8,250	USBR	8-07-20-W0130	USBR allocation/past year use/historic use
<i>USBR Agriculture AF/Y</i>	35,550	USBR	8-07-20-W0130	USBR allocation
<i>Other AF/Y</i>	N/A	N/A	N/A	N/A
<i>Other AF/Y</i>	N/A	N/A	N/A	N/A

5. *Anticipated land-use changes*

None of the General Plans (San Benito County, City of Hollister, or City of San Juan Bautista) have been updated as of calendar year 2007. The land-use has not changed drastically since the 2002 Water Management Plan update. The major agricultural land-use change is several hundred acres of pasture or grazing land and permanent crops, such as trees that have been converted to row crops.

A building moratorium has been in place for several years in certain areas of San Benito County. This has prevented many land-use changes. However this moratorium is anticipated to be lifted in April 2008, when construction of a wastewater treatment plant is planned to be complete. Once this moratorium is gone, it is anticipated that approximately 6,000 acres of agricultural land will be available to be developed into residential and other urban land uses.

The following are available through the Internet or upon request:

San Benito County General Plan – last updated in 2002. Available upon request.

City of Hollister General Plan – last updated in 2005. Available at www.hollister.ca.gov.

City of San Juan Bautista General Plan – last updated in 1998. Partially available at www.san-juan-bautista.ca.us.

6. *Cropping patterns (Agric only)*

List of current crops (crops with 5% or less of total acreage can be combined in the ‘Other’ category.)

<i>Original Plan</i>		<i>Previous Plan</i>		<i>Current Plan</i>	
<i>Crop Name</i>	<i>Acres</i>	<i>Crop Name</i>	<i>Acres</i>	<i>Crop Name</i>	<i>Acres</i>
Grapes, wine	3,079	Same as Original	Same	Grapes, wine	3,788
Lettuce (all)	11,944			Lettuce (all)	11,311
Peppers (bell)	1,799			Peppers (bell)	1,696
Tree crops (excl. walnuts)	2,619			Tree crops (excl. walnuts)	2,187
Walnuts	1,915			Walnuts	1,905
				Spinach	3,898
				Onions, dry bulb	1,742
Misc. field crops	4,705			Misc. field crops	1,405
Misc. veg. & row crops	3,103			Misc. veg. & row crops	4,787
<i>Other (<5%)</i>	8,169	<i>Other (<5%)</i>		<i>Other (<5%)</i>	7,152
<i>Total</i>	37,333	<i>Total</i>		<i>Total</i>	39,871

(See Appendix C for list of crop names)

7. *Major irrigation methods (by acreage) (Agric only)*

The San Benito County Water District currently has no formal collection manner for irrigation system information. The District has sent out surveys to its customers to obtain this information, however the rate of return on these surveys was so low that no representative information was collected.

The District has also attempted to work with the County Agricultural Commissioner’s Office to obtain this type of information, however their office does not track this information either.

Currently the District is investigating new water billing systems. The proposed new system will be able to track and generate reports based on the number of acres being irrigated and the type of irrigation, amongst many other features. The District hopes to have this new system in operation sometime in calendar year 2008.

<i>Original Plan</i>		<i>Previous Plan</i>		<i>Current Plan</i>	
<i>Irrigation Method</i>	<i>Acres (est.)</i>	<i>Irrigation Method</i>	<i>Acres</i>	<i>Irrigation Method</i>	<i>Acres</i>
Drip Tape/Line	9,425	Same as original	Same	Drip Tape/Line	12,664
Micro Sprinklers	2,170			Micro Sprinklers	2,895
Furrow	235			Furrow	362
Sprinklers	15,000			Sprinklers	20,263
<i>Other</i>		<i>Other</i>		<i>Other</i>	
<i>Total</i>	26,830	<i>Total</i>		<i>Total</i>	36,184

(See Appendix C for list of irrigation system types)

B. Location and Facilities

Figure 4 is a facilities map of SBCWD; it shows city points, water lines, meter directions, RTUs, parcels and structures. Figure 5 is a map of District Groundwater facilities including streams, percolation sites for CVP and local surface water, wastewater treatment plants, sub-basins and city boundaries. Figure 6 illustrates the District’s monitoring network including wells, and water quality monitoring locations

Zone 6 overlaps a portion of San Benito County Water District Zone 3, which is the benefit area for groundwater, recharged from the operation of Hernandez and Paicines Reservoirs. The District operates and maintains the Hollister Conduit, San Juan Lateral and San Justo Reservoir, which are San Felipe Division Facilities, as well as the San Felipe Distribution System.

1. Incoming measurement methods and locations

<i>Incoming Locations</i>	<i>Type of Measurement Device</i>	<i>Accuracy</i>
Bifurcation	Ultrasonic flow meter	+/- 2%

2. Current year Agricultural Conveyance System

<i>Miles Unlined - Canal</i>	<i>Miles Lined - Canal</i>	<i>Miles Piped</i>	<i>Miles - Other</i>
0	0	158	0

3 Current year Urban Distribution System

<i>Miles AC Pipe</i>	<i>Miles Steel Pipe</i>	<i>Miles Cast Iron Pipe</i>	<i>Miles - Other</i>
Same as AG	0	0	0

4. Storage facilities

San Justo Reservoir’s capacity is 12,000 AF. Many challenges are associated with the operation of San Justo Reservoir. San Justo is a federal facility that the District uses as a part of its distribution system. There are three challenges the District faces with San Justo Reservoir. The first is the loss of water through seepage at this facility; it is estimated that 10% of the water stored in San Justo is lost due to seepage. This leads to the second challenge, a monetary one; the District pays for water that crosses Bifurcation, which is prior to entering the reservoir. As such, this is essentially water the District pays for without ever being able to use. The third challenge at the reservoir is the structural limitations

placed on it by the USBR; these limitations make it impossible for the District to operate San Justo at full capacity. At this time the maximum storage San Justo can hold is approximately 9,000 acre-feet, which is a loss of almost 25%.

For location of San Justo Reservoir, please refer to Figure 2.

5. *Description of the agricultural spill recovery system*

There is no spill in this enclosed system.

6. *Agricultural delivery system operation*

San Benito County Water District utilizes a modified demand system requiring twenty-four hours advance notice from major agricultural and urban customers. (See BMP B6)

7. *Restrictions on water source(s)*

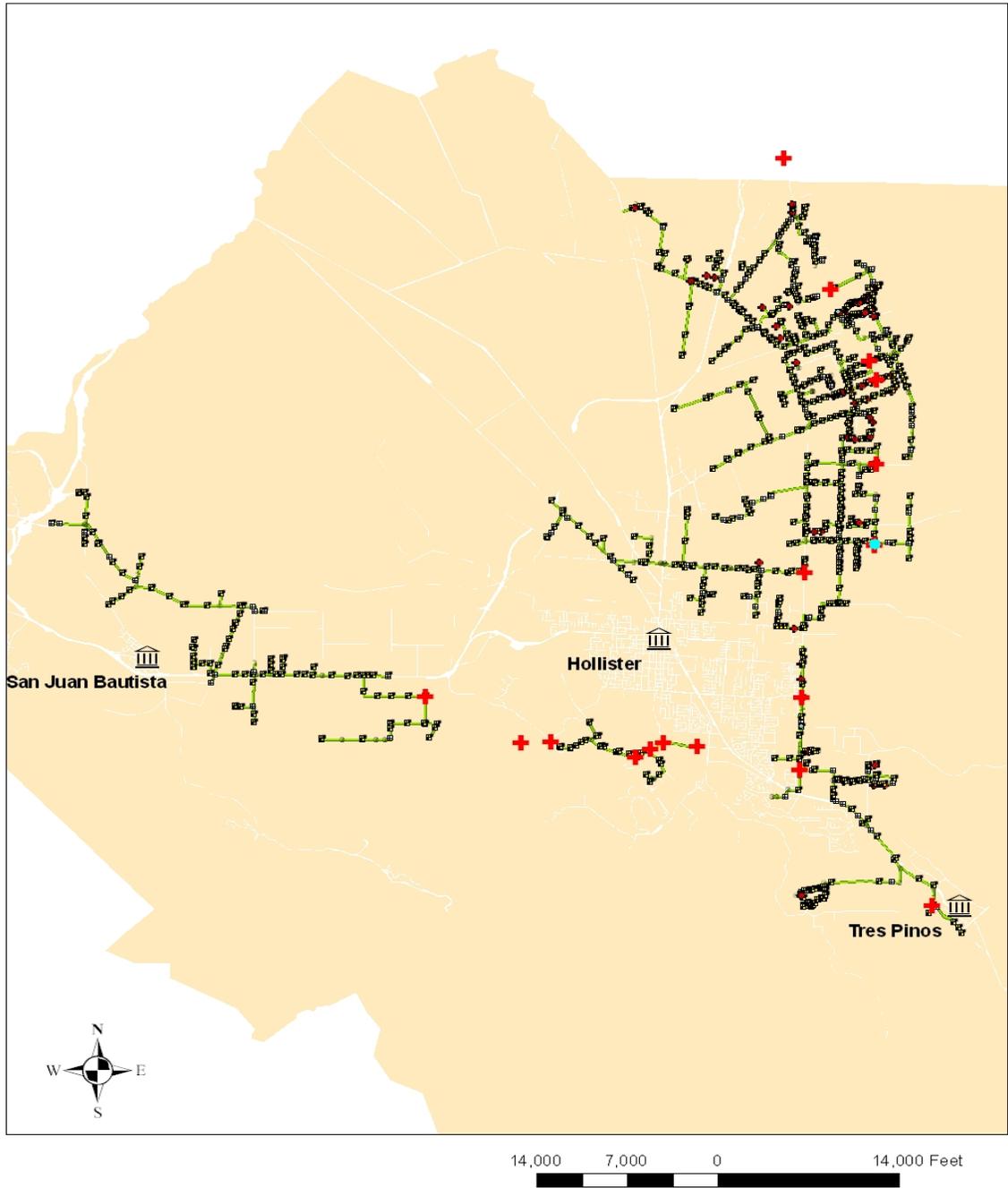
<i>Source</i>	<i>Restriction</i>	<i>Cause of Restriction</i>	<i>Effect on District Operations</i>
CVP	Water Management Plan.	Federal Law/Department of Interior Rules & Regulations	Increased administrative cost and staffing.
CVP	Operations subject to provisions of P.L 102-575.	Federal Law	Increased administrative and water costs. Long term average water supplies reduced 20-25% due to CVPIA implementation and water costs increased 15-20%.
CVP	Lack of emergency storage in Reach 1 of Pacheco Conduit.	USBR standards	SBCWD must be able to terminate delivery at anytime. Under some operating conditions this requires terminating deliveries within 10 minutes & shutting off all customers on the Hollister Conduit within 60 minutes. Increased operating cost & economic risk for consumers.

<i>Source</i>	<i>Restriction</i>	<i>Cause of Restriction</i>	<i>Effect on District Operations</i>
CVP	Lack of emergency storage in Reach 1 of the Hollister Conduit	USBR standards	Startup or restoration of delivery of water from Reach 1 of the Pacheco Conduit requires shutting off most customers on Reach 1 of the Hollister Conduit &/or restoring service at night. Increased operating cost, consumer costs, & inconvenience.
CVP	Limited and highly variable CVP contract water allocations	Federal Law and Department of Interior discretionary actions and CVPIA and ESA regulatory actions against the CVP.	San Felipe water is subject to ongoing and increasing shortages and high variability of CVP allocations. Increased administrative and operating costs and decreased revenue. Cumulative impact of CVPIA and ESA action on SFD ag contract water supplies are approximately 35-40%.
CVP	San Luis Reservoir "low point"	CVP water allocation and operating decisions	SBCWD faces extreme water quality problems and potential loss of service from San Luis Reservoir every summer. District must reserve storage in San Justo Reservoir to assure deliveries during late summer, which can further limit SBCWD customer water allocations. Increased administrative and operating cost and potential decreases in revenue.
CVP	Gross water measurement errors in USBR meter operated by DWR	Inadequate USBR oversight of DWR metering of deliveries to SBCWD	SBCWD is unable to conduct system audits and account for and manage limited CVP water supplies with any certainty.

<i>Source</i>	<i>Restriction</i>	<i>Cause of Restriction</i>	<i>Effect on District Operations</i>
CVP	Elimination of “Joint Use” storage allocation in San Justo Reservoir.	USBR action(s) responding to actual conditions at San Justo Reservoir	Reduced operational flexibility and reliability due to loss of 2,855 +/- acre-feet of storage capacity.
CVP	Monitoring requirements at San Justo Reservoir for water levels above elevation of 485 feet.	Increased seepage and potential dam and/or area slope stability risks.	Reduced operational flexibility and reliability and/or increased OMR&R costs.
CVP	Provision of security at San Justo Reservoir	Federal law and Regulations	Increased operating and maintenance costs.

8. *Proposed changes or additions to facilities and operations for the next 5 years.*

There are no proposed changes for the next 5-years.



Legend	
	City Points
	Waterline
	Meter Direction
	RTUs
	Parcel
Structures	
	AIR RELEASE
	BLOW OFF
	CAP
	HYDRANT
	BUTTERFLY
	METER

**San Benito County Water District
San Felipe Distribution Infrastructure**

Figure 4. San Benito County Water District Facilities Map.

C. Topography and Soils

1. Topography of the district and its impact on water operations and management

The District's area range from valley bottom to hills and low mountains with elevations up to 3500-ft. The topography of the area limits farming to a very small portion of the actual area. Most of the farming operations are located in the Hollister and San Juan Valleys. The majority of the remaining areas are too steep or do not have adequate water sources to farm. Several areas in the region are experiencing an extremely high groundwater table, which inhibits the type of crops that can be grown in those areas. For more information refer to references cited under subsection A. History.

2. District soil associations (Agric only)

SOILS OF THE TERRACES, ALLUVIAL FANS, AND FLOOD PLAINS

<i>Soil Association</i>	<i>Estimated Acres</i>	<i>Effect on Water Operations and Management</i>
Sorrento-Yolo-Mocho	N/A	Well-drained, medium textured soil.
Clear Lake-Pacheco-Willows	N/A	Poorly drained, fine to medium textured soil.
Edenvale-Conejo	N/A	Somewhat poorly drained, fine and moderately fine-textured soils.
Panoche-Los Banos-Panhill	N/A	Well-drained, medium & moderately fine-textured soils.
Rincon-Antich-Cropley	N/A	Well drained to moderately well-drained, medium to fine textured soils.

SOILS OF THE UPLANDS

<i>Soil Association</i>	<i>Estimated Acres</i>	<i>Effect on Water Operations and Management</i>
Diablo-Soper	N/A	Well-drained, fine & moderately coarse textured soil.
San Benito-Gazos-Linne	N/A	Well-drained & somewhat excessively drained, moderately fine textured soil.

See Attachment B, District Soils Map

THERE ARE OTHER SOIL ASSOCIATIONS, HOWEVER THEY ARE NOT WITHIN ZONE 6.

The above information was obtained from the Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/> accessed [March 10, 2008].

3. Agricultural limitations resulting from soil problems (Agric only)

Soil Problem	Estimated Acres	Effect on Water Operations and Management
Boron	5,700	Boron is an ongoing issue. Boron is in the groundwater; supplement with increased allotment of surface water.
Salinity	34,752	No way for accumulated salts to leave the basin. Levels are high enough to constrain municipal & irrigation use; groundwater TDS ranges from 264-3,544 mg/l.

D. Climate

1. General climate of the district service area

The service area and adjacent watershed have a moderate mid-California coastal climate. The major rainfall and runoff occurs during the winter months with little to no rainfall or runoff during the summer months. Rainfall comprises nearly 100 percent of the precipitation, although snow does occur at times on higher peaks of the Coast Range adjacent to the service area. Historical yearly precipitation is 13.85 inches. This information was collected by the Western Regional Climate Center from July 1, 1948 through June 30, 2007. Historical yearly evapotranspiration is 46.7 inches, according to California Irrigation Management Information System (CIMIS) records.

The climatic conditions of the project service area provide a growing season for a great variety of crops. The growing season ranges from 225 to 300 days, depending on location in the service area. Winter temperatures occasionally fall below freezing. Summer temperatures of over 100 degrees can occur, however, daily highs are usually in the 80's.

	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Annual</i>
<i>Avg Precip</i>	2.69	2.80	2.20	0.89	0.35	0.06	0.04	0.06	0.31	0.65	1.71	2.08	13.85
<i>Avg Temp.</i>	49.2	51.9	54.3	57.3	61.0	64.6	67.0	67.4	66.6	62.2	54.3	48.8	58.7
<i>Max. Temp.</i>	60.3	62.9	66.0	70.3	74.0	78.3	80.8	81.3	80.9	76.7	66.8	60.2	71.5
<i>Min. Temp</i>	38.0	40.9	42.6	44.3	47.9	50.9	53.1	53.5	52.2	47.6	41.7	37.3	45.8
<i>Eto*</i>	1.49	1.91	3.37	4.74	5.42	6.02	6.25	5.86	4.52	3.55	2.01	1.54	46.66

Weather station ID: Western Regional Climate Center – Hollister 2 (COOP 044025)

Data period: Year 1948 to Year 2007

Average wind velocity: 8.1 MPH (Salinas Airport, www.WRCC.edu (1996-2006))

Average annual frost-free days: 260

*Eto numbers are from CIMIS website. This data reflects the average of the 2 CIMIS stations in San Benito County (#s 126 & 143). The period of time is January-December 2007.

2. Impact of microclimates on water management within the district

There are several smaller microclimates throughout the District area. This makes reporting average data such as crop ET and cultural practices challenging, as the data is considerably varied and averaging it makes for less comprehensive data. San Juan Bautista is the largest microclimate in the District area; they tend to have cooler air, lower temperatures, afternoon winds, and a more temperate climate. A CIMIS station for this area was installed in 1999; there have been assorted difficulties with this station. Data from it tends to be sporadic and sometimes unreliable. In 2007, the San Benito County Water District increased its 2007-2008 CIMIS station budget to spend more time working with this station as well as the owners of the land where the station is located. Once an employee is dedicated to this task, the goal will be to keep this station running properly and consequently collecting better data from it.

E. Natural and Cultural Resources

1. Natural resource areas within the service area

According to an Environmental Impact Report put together by the USBR in September of 1996, there are various natural resources in the County, including fresh emergent wetlands, mixed chaparral, and annual grasslands. However all these areas are outside of Zone 6, which is the service area .

<i>Name</i>	<i>Estimated Acres</i>	<i>Description</i>
N/A	N/A	N/A

2. Description of district management of these resources in the past or present

Not applicable.

3. Provide the name of the recreational and/or cultural resources area

Name	Estimated Acres	Description
San Justo Reservoir	-	Off-storage capacity; boating, fishing, mountain biking, windsurfing
Pinnacles National Monument	24,000 (not in Zone 6)	Hiking trails; home to various spring wildflowers & wildlife.
Mission San Juan Bautista	-	Cultural Resource
State Historical Site – San Juan Bautista	-	Example of Spanish-Mexican Gold Rush period.

San Justo Reservoir is located 3 miles southwest of Hollister. This reservoir was completed in January 1986 as an off-storage facility; its capacity is 12,000 acre-feet. Currently the Bureau of Reclamation has restricted capacity at San Justo to approximately 9,000 acre-feet. San Justo provides recreational activity in the form of boating, fishing, mountain biking, and windsurfing. Another recreational area in San Benito County is the Pinnacles National Monument. This is a day-use only park; it provides over 30 miles of hiking trails. The monument encompasses an area of 24,000 acres, home to a variety of spring wildflowers and wildlife.

Cultural Resources include the Mission San Juan Bautista, located in the city of San Juan Bautista as well as a State Historical site that is an example of the Spanish-Mexican Gold Rush period.

F. Operating Rules and Regulations

1. Operating rules and regulations

See Attachment C, San Benito County Water District Water Users Handbook

2. Agricultural water allocation policy

See Attachment C, Regulations Section (R-1) pages 1-4.

Summary -

San Felipe Water is supplemental to local groundwater. Only a portion of Zone 6 has access to San Felipe Water through the surface water distribution system. Each parcel served from the distribution system has a per acre entitlement to contract for water:

- 1.2 Acre-feet per acre for Agricultural land with less than 1.5mg/l of Boron & for Urban land (M&I Users).
- 2.0 Acre-feet per acre for Agricultural land with 1.5 mg/l or more of Boron in the groundwater.

3. Official and actual lead times necessary for water orders and shut-off (Agric only)

See Attachment C; Section 2 Page 1-3 & Section 3, Page 2.

Summary –

Water orders are to be placed through the District office Monday – Friday from 8:30 a.m. – 12:30 p.m. at least twenty-four hours in advance. Water is not to be turned on until the order is approved by the District, to date water order requirements are not rigidly enforced. With the water short year anticipated in 2008, these requirements may need to be enforced more rigidly. As the District is a completely piped and pressurized system, there is no actual lead time that is required to turn water on. Water is always available at the turnouts. A problem that can be encountered when water is not scheduled is low pressure for some users.

When the system needs to be shutdown for repairs, water users are notified approximately 10-days in advance of the shutdown. During emergency shutdowns, prior notice is often impossible. When emergency shutdowns do occur, District staff contacts the water users it will affect.

4. Policies regarding surface and subsurface drainage from farms (Agric only)

See Attachment C; Section 6 Page 1 & Regulations Section Page 6.

Summary -

The District's rules and regulations require water users to "take reasonable steps to re-use or control tailwater." It is desired that tailwater be prohibited from leaving the parcel to which San Felipe water is delivered. If damage to property of the District or neighboring farms occurs, the District may discontinue water service to that property if steps are not taken to alleviate the situation.

The District has no policy regarding subsurface drainage.

5. Policies on water transfers by the district and its customers

See Attachment C; Regulations Section Page 4-5 & Attachment H 2007 District Water Transfer Policies.

Summary –

SBCWD will only consider contractor transfers after all customer requests for water have been met. The District's rules and regulation provide for customer transfers under certain conditions and subject to the District's Board of Directors approval regarding impact on the system and the geographic area. The District encourages and facilitates the customer water market that transfers create.

G. Water Measurement, Pricing, and Billing

Agricultural Customers

1. Number of farms: 684
2. Number of delivery points (turnouts and connections): 740 (Blue valves)
3. Number of delivery points serving more than one farm: 1
4. Number of measured delivery points (meters and measurement devices): 1,373 (wells & blue valves)
5. Percentage of delivered water that was measured at a delivery point: 100%
6. Delivery point measurement device table (Agric only)

Measurement Type	Number	Accuracy (+/-percentage)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
Orifices	0				
Propeller meter	740	+/- 3%	30	N/A	As needed
Weirs	0				
Flumes	0				
Venturi	0				
Metered gates	0				
Other (hour meters)	633	N/A	180	N/A	As needed
Total	1,373				

A meter exchange program was started in 2001 where 4", 6", 8", 10", and 12" meters are switched out, calibrated, and maintained. This program has a yearly budget of \$50,000 plus hours allotted for in-house labor.

Urban Customers (including retail customers of San Benito County WD's wholesale customers)

1. Total number of connections: 938 (SBCWD); 5,373 (SSCWD)
2. Total number of metered connections: 390 (SBCWD); 5,373 (SSCWD)
3. Total number of connections not billed by quantity: 548 (SBCWD); All (SSCWD)
4. Percentage of water that was measured at delivery point: 58% (SBCWD)
5. Percentage of delivered water that was billed by quantity: 42% (SBCWD); 100% (SSCWD)

6. Measurement device table (SBCWD only)

Meter Size & Type	Number		Accuracy (+/- percentage)	Reading Frequency (Days)		Calibration Frequency (Months)	Maintenance Frequency (Months)
	Wells	BV		Wells	BV		
5/8-3/4"	28	0	N/A	ann. est.		N/A	as needed
1"	132	0	N/A	ann. est.		N/A	as needed
1 1/2"	253	0	N/A	ann. est.		N/A	as needed
2"	135	99	3% (valves)	ann. est.	60	N/A	as needed
3"	20	6	3% (valves)	ann. est.	30-60	N/A	as needed
4"	22	157	3% (valves)	ann. est.	30-60	N/A	as needed
6"	25	21	3% (valves)	ann. est.	30	N/A	as needed
8"	21	5	3% (valves)	ann. est.	30	N/A	as needed
10"	5	9	3% (valves)	ann. est.	30	N/A	as needed
Compound	0	0					
Turbo	0	0					
Other (defined)	0	0					
Total	641	297					

A meter exchange program was started in 2001 where 4", 6", 8", 10", and 12" meters are switched out, calibrated, and maintained. This program has a yearly budget of \$50,000 plus hours allotted for in-house labor.

Sunnyslope County Water District

Meter Size and Type	Number	Accuracy (+/-percentage)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
5/8-3/4"					
1"					
1 1/2"					
2"					
3"					
4"					
6"					
8"					
10"					
Compound					
Turbo					
Other (define)					
Total					

Agriculture and Urban Customers

1. Current year agriculture and/or urban water charges - including rate structures and billing frequency

See Attachment I San Benito County Water District Proposed Zone 6 Rates & Charges for 2007.

- AGRICULTURAL - 2007 - \$85.00 per AF and a standby/availability charge of \$6.00 per acre, per year. Power charges are based on the cost of pumping, transmission, and distribution power associated with delivery of water to customers. The charges range from \$18.40-\$65.75 per acre-foot.
- NON-AGRICULTURAL (MUNICIPAL & INDUSTRIAL) - 2007 - \$160.00 per AF and a standby/availability charge of \$6.00 per acre, per year. Power charges are based on the cost of pumping, transmission, and distribution power associated with delivery of water to customers. The charges range from \$18.40-\$65.75 per acre-foot.

All agricultural and non-agricultural customers are billed on a monthly basis. Small parcel customers, who are customers with parcels that are less than 10-acres are billed on a bi-monthly basis. They are billed a flat-rate of \$27.00 every 2-months for a maximum usage of 2 AF per year. If these customers use more than 2 AF per year, they are billed at the applicable agricultural or non-agricultural rate.

2. Annual charges collected from customers (current year data) – SBCWD only

<i>Charges (\$ unit)</i>	<i>Charge units (\$/af), (\$/ acre), (\$/hcf), (\$/customer) etc.</i>	<i>Units billed during year (af, acres, hcf, customer) etc.</i>	<i>\$ collected (\$ times units)</i>
Fixed Charges			
Small Parcel – Ag	\$27/customer/bimonthly	283	\$45,846
Small Parcel – M&I (domestic)	\$27/customer/bimonthly	216	\$34,992
Small line size well (domestic)	\$21.50/customer/year	548	\$11,782
Volumetric charges			
<i>Charges (\$ unit)</i>	<i>Charge units (\$/af), (\$/ acre), (\$/hcf), (\$/customer) etc.</i>	<i>Units billed during year (af, acres, hcf, customer) etc.</i>	<i>\$ collected (\$ times units)</i>
Blue Valve – AG	\$85/AF (392 customers)	16,776.2 AF	\$1,425,977.00
Blue Valve – M&I	\$160/AF (34 customers)	3,640.9 AF	\$582,544.00
Blue Valve – AG – full cost	\$240/AF (4 customers)	79.1 AF	\$18,984.00
M&I Wells	\$21.50/AF (42 customers)	7,479.4 AF	\$160,807.10
Ag Wells	\$1.50/AF (188 customers)	14,374.9 AF	\$21,562.35

3. *Water-use data accounting procedures*

See Attachment D, District Sample Water Bills

The District's water-use data accounting procedures are contained in the SBCWD Accounting Policies and Procedures Manual. The customers' records are kept on the District's accounting software database for a five-year period and are readily available for review by the customer.

H. Water Shortage Allocation Policies

1. *Current year water shortage policies or shortage response plan - specifying how reduced water supplies are allocated*

See Attachment E, Resolutions 2008-04 & -06.

The District does not have a formal Water Shortage Plan. In 2008, the District passed resolutions asking for voluntary conservation by Municipal and Industrial users as well as small parcel customers. Another resolution was passed establishing an over-use charge for agricultural users. This over-use charge is based on the current market price of transferring water into the District.

2. *Current year policies that address wasteful use of water and enforcement methods*

See Attachment C, Appendix A Page 1

The District requests that recipients of water delivered by the District be put to reasonable beneficial use. The water user shall take all reasonable action necessary to prevent the waste and unnecessary use of the water.

Should it be brought to the attention of the District that a water user was using water in a wasteful manner, District staff would address the situation with a letter or phone call as deemed necessary. If the situation was not resolved, District personnel could visit the site and work with the user on putting the water to reasonable beneficial use. If the situation still can not be remedied, District reserves the right to discontinue water service to this user until the situation is remedied.

Sunnyslope County Water District, City of Hollister, and San Benito County have water shortage policies as well as ordinances that prohibit water waste. (Ordinance # 755 – COH; Ordinance # 45 – SSCWD; Resolution 92-82 San Benito County) The City of San Juan Bautista does not have ordinances that prohibit water waste at this time.

Section 2: Inventory of Water Resources

A. Surface Water Supply

1. *Acre-foot amounts of surface water delivered to the district by each of the district sources*
See Water Inventory Tables, Table 1

2. *Amount of water delivered to the district by each of the district sources for the last 10 years*
See Water Inventory Tables, Table 8. Please note in Table 8 – data for 1998 – 2001 is reported as Federal Ag water only, this is not accurate, the amount reported for each year is actually the total amount of water delivered for Ag and Non-Ag, however the records do not reflect the breakdown.

B. Ground Water Supply

1. *Acre-foot amounts of ground water pumped and delivered by the district*
See Water Inventory Tables, Table 2

The District does not pump groundwater supplies into its distribution system to deliver to customers. Customers pump their own groundwater and are billed in a fashion that is based on the size and location of their operation. In the guidelines listed in the Water Inventory Tables, groundwater values were asked for on a monthly basis – the District reads groundwater usage three times per year and bills customers twice per year. Annual groundwater pumped for 2007 (including both Agriculture and Municipal & Industrial) was 22,176 acre-feet.

2. *Ground water basin(s) that underlies the service area*

<i>Name</i>	<i>Size (Square Mile)</i>	<i>Usable Capacity (AF)</i>	<i>Safe Yield (AF/Y)</i>
Basin Number 3-3; Gilroy-Hollister Valley	350	500,000 (within the first 200 feet of ground surface) 2004 GWM Update- Appendix B-1 pg.3.	40,000 – 50,000 AF/Y (1998 GMP)

3. *Map of district-operated wells and managed ground water recharge areas*
See Figure 5, District Map of Groundwater Facilities
The SBCWD uses natural stream channels for recharge, and has no wells.

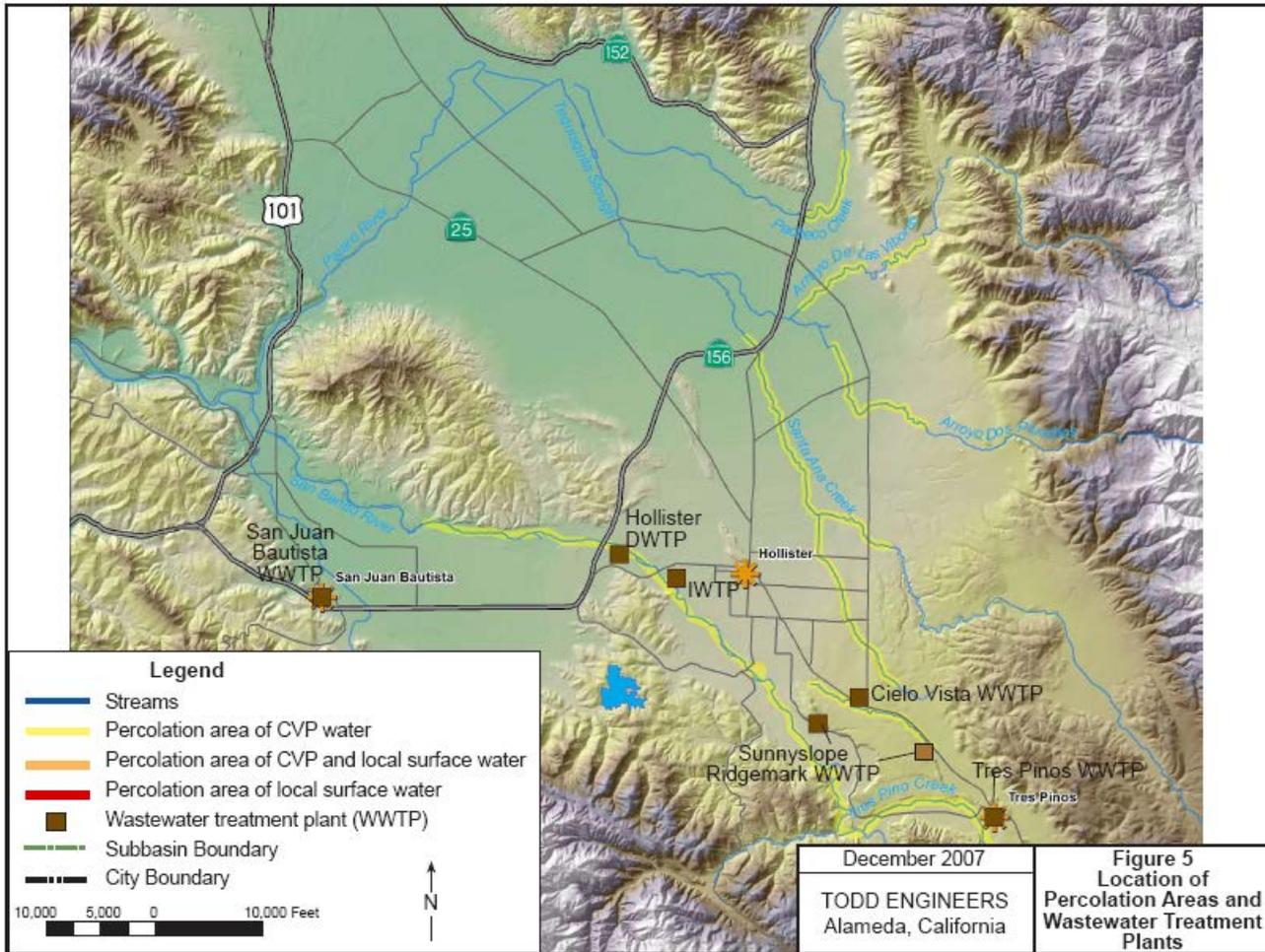


Figure 5. District Map of Groundwater Facilities. (Courtesy Todd Engineers for 2007 SBCWD Groundwater Report.)

4. Description of conjunctive use of surface and ground water

Since the early 1990s, the importation and use of CVP water has corrected the groundwater overdraft and returned groundwater levels to near historic highs. San Felipe water is higher in quality than the local groundwater; this has prompted growers to use more CVP water and less groundwater, further increasing the District’s groundwater levels. The 2004 Groundwater Management Plan update revisits the idea of Groundwater/Surface Water blending. The idea behind this blending project is that “Blending high quality imported or local surface water with local groundwater to adjust the TDS of the applied water is one way to achieve overall water quality suitable for agricultural or M&I supply.” (Attachment G – 2004 Groundwater Management Plan Update – Appendix B-1, pg. 58) There are both major issues and benefits associated with this type of project. The biggest issue in the agricultural community is the resistance that this project has met amongst the agricultural users receiving only imported water. The major issue for M&I users would be locating the facilities so that groundwater is not filtered unnecessarily.

Currently there isn’t a great deal of groundwater storage capacity available. The District is experiencing higher than normal groundwater levels due to increased usage of San Felipe water. The focus now is more on lowering groundwater levels rather than raising them. If a directive is made to encourage the

use of groundwater in conjunction with CVP water, additional storage may be made available. Nevertheless significant in-lieu recharge occurs each year and groundwater pumping represents about 55% of total water use in an average year.

Collected runoff and rainfall are released to percolate back into the groundwater supply; remaining CVP water is also released to local creeks and the San Benito River to percolate back into the groundwater supply. The following table lists the recharge sites that were used during 2007. There are more sites in the District that are not listed in this table, as they were inactive last year. Due to high groundwater levels, the District has stopped percolating in the northern portion of Zone 6 and in the San Juan Valley. This data can be found in Attachment F, page 17. San Benito County Water District does not recharge groundwater with wells.

<i>Recharge Sites</i>	<i>Percolation Releases (AF)</i>
Tres Pinos Creek	88
San Benito River	216
Total	304

5. *Ground Water Management Plan*

See Attachment F, 2007 Final Groundwater Report for Water Year 2007 & Attachment G, Groundwater Management Plan Update for the San Benito County Portion of the Gilroy-Hollister Groundwater Basin – May 2004.

6. *Ground Water Banking Plan*

The District did not participate in any water banking activities in 2007.

C. Other Water Supplies

1. *“Other” water used as part of the water supply*

See Water Inventory Tables, Table 1. Other water refers to percolated water and transferred water for 2007.

D. Source Water Quality Monitoring Practices

1. *Surface water and/or ground water quality problems, and how the quality problems limit the use of that source or affect customer use decisions*

According to the 2007 Final Groundwater Report for Water Year 2007, “Water quality is a critical component of groundwater supply in the basin. The quality of the groundwater affects its uses, the productivity of agriculture, and the extent of treatment needed for drinking water. Overall the basin’s water quality can be characterized as highly mineralized and of marginal water quality. However, the basin’s water quality varies spatially across the basin as a result of the localized effects of an array of natural and anthropogenic factors.”

The poor quality of the local groundwater has led many growers to rely heavily on imported San Felipe water. This heavy use of imported water has contributed to the high levels of groundwater in the county.

With the recent changes in quantity of imported groundwater, growers will need to re-evaluate the crops they are growing as well the ratio of groundwater they use to imported water.

In 2004, the District received an AB 303 Groundwater Management Assistance Act grant. A comprehensive water quality-monitoring plan was developed with the assistance of this grant. Todd Engineers performs an update of the Water Quality Database on an annual basis alongside the Annual Groundwater Update. This information can be found in Attachment F, pages 35-52. Figure 6 shows locations of various monitoring wells for different groundwater monitoring programs.

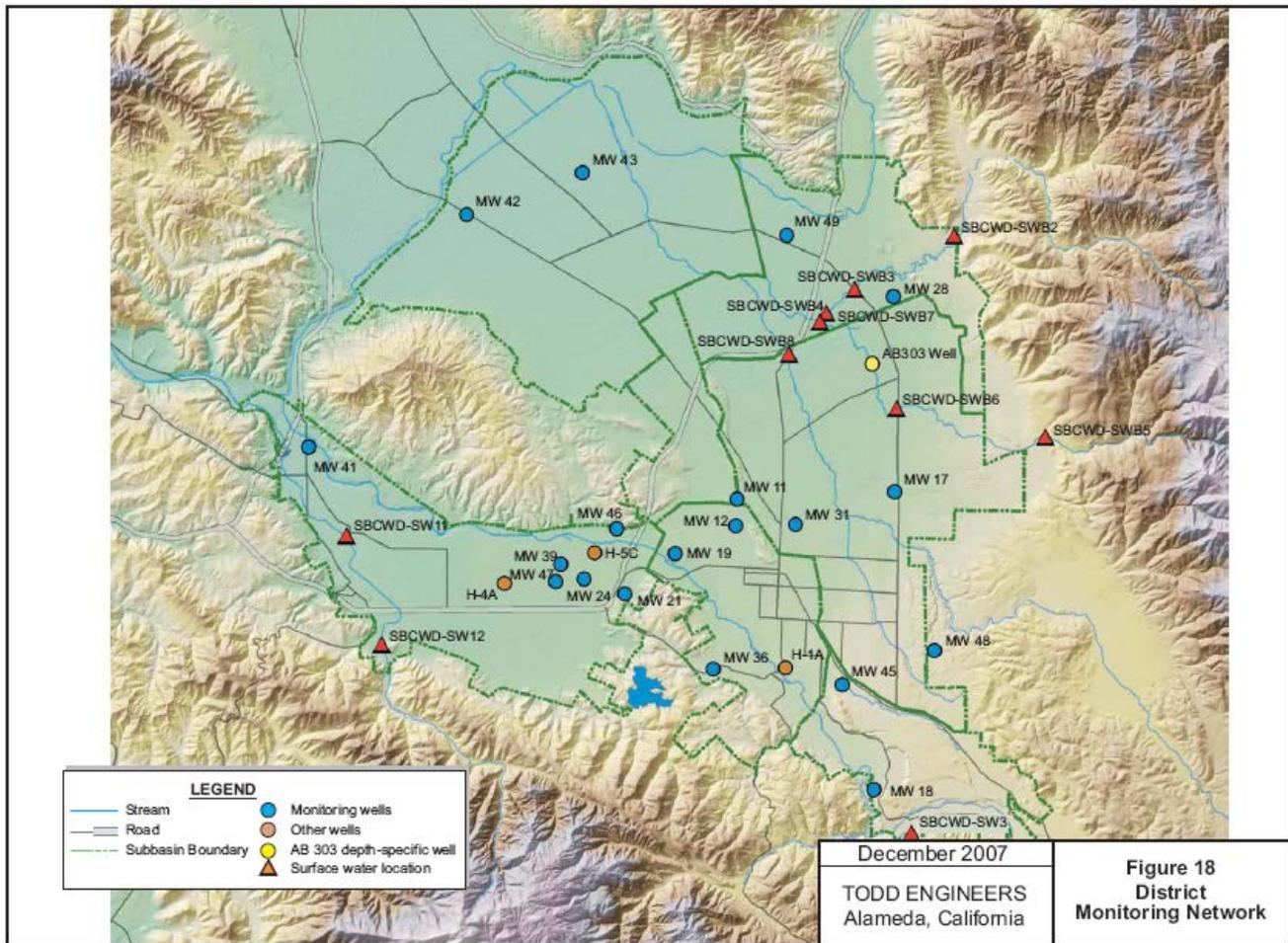


Figure 6. District Monitoring Network (Source: Todd Engineers 2007 Groundwater Report)

The Central Coast Regional Water Quality Board has an Ag-Waiver/Non-Point Source Monitoring Program that county farmers may participate in to be in accordance with the agricultural waiver stipulations set forth in 2004. This program is designed to define baseline water quality in surface waters and develop a program to monitor surface water quality. Central Coast Water Quality Preservation, Inc., an agency independent of the Board runs this program. Farmers may sign up as a part of this cooperative or do the monitoring themselves. For more information, visit www.ccwqp.org. The District is in no way affiliated with this program, but does have information available for interested farmers.

A water softener program was initiated in May of 2007. This program is focused on replacing older, less efficient water softener models (pre-1999) with new, more efficient models. There is also a rebate available for water customers willing to demolish their pre-1999 water softener without replacing it. Since area groundwater is high in TDS, many residents purchase a water softener to combat this problem. Inefficient, older water softeners compound the problem because very little of the salts and chlorides are removed at the treatment plant from the discharging of salty brine water after a water softener regenerates and drains into the sewer systems. In turn, these salts are reintroduced back into the groundwater at high concentration levels. In addition to the rebate program, an Outreach Program was designed to educate customers on the problems with salt and chloride generated by water softeners. If a customer is identified through a Home Water survey, the WRA technician offers to test the water hardness at their home and to adjust the settings appropriately.

2. *Potable Water Quality (Urban only)*

The District does not have an Annual Water Quality report, but all testing is available to the public upon request.

The District is a wholesale urban water supplier and does not deliver any potable water. Monthly and quarterly testing are done on the imported San Felipe Water. The San Felipe water delivered to the Lessalt Plant, which treats the water prior to delivering it to M&I customers, conducts its own water quality monitoring.

3. *Agricultural water quality concerns:* Yes X No _____
(Describe)

Imported San Felipe water tends to be of high quality for agricultural purposes. Most of the agricultural water quality concerns relate to local groundwater. According to the 2007 Final Groundwater Report for Water Year 2007, the key constituents of concern are Total Dissolved Solids (TDS), nitrates and chlorides. Other concerns include boron, manganese, and iron. These are not region wide concerns; different areas of the county have differing degrees of these problems and others with groundwater quality. For more detailed information on these concerns, refer to the Groundwater Quality section of the Final Groundwater Report for Water Year 2007 (Attachment F).

4. *Description of the agricultural water quality testing program and the role of each participant, including the district, in the program*

The District performs agricultural water quality testing on both groundwater and surface water. For surface water quality testing, District staff collects samples on a monthly basis from 3 different locations. These samples are delivered to a local lab for Total Coliform testing. This sampling has been in place since the e-coli episode San Benito County experienced in 2006. These results are available to growers who are required to have this information available for the new Food Safety Standards.

5. Current water quality monitoring programs for surface water by source (Agric only)

Imported CVP Water

<i>Analyses Performed</i>	<i>Frequency Range</i>	<i>Concentration Range</i>	<i>Median</i>	<i>Average</i>
Electrical Conductivity (EC)	Quarterly	430-600 mho/cm	460 mho/cm	508 mho/cm
TDS	Quarterly	230-320 mg/l	250 mg/l	238 mg/l
Hardness (CaCO3)	Quarterly	95-140 mg/l	100 mg/l	115.5 mg/l
Nitrate (NO3)	Quarterly	ND – 3.0 mg/l	ND mg/l	0.8 mg/l

Groundwater

<i>Analyses Performed</i>	<i>Frequency Range</i>	<i>Concentration Range</i>	<i>Median</i>	<i>Average</i>
Electrical Conductivity (EC)	Biannually	593-4300 µmho/cm	1769 µmho/cm	2016 µmho/cm
TDS	Biannually	264-2824 mg/l	1024 mg/l	1169 mg/l
Hardness (CaCO3)	Biannually	124-2245 mg/l	568 mg/l	658 mg/l
Nitrate (NO3)	Biannually	1-635 mg/l	23 mg/l	81 mg/l
Boron***	Intermittent	0.3-6.3 mg/l		1.3 mg/l

***There is not a lot of testing for boron currently. This is an ongoing issue that will be addressed more intently in the future.

6. Current year total dissolve solid range for surface water and ground water (Agric only)

Surface water: 260-350 ppm Ground water: 264-2,824 ppm

E. Water Uses Within the District

1. Agricultural

See Water Inventory Tables, Table 5 - Crop Water Needs

2. Types of irrigation systems used for each crop in current year

<i>Crop name</i>	<i>Total Acres</i>	<i>Basin - acres</i>	<i>Furrow - acres</i>	<i>Sprinkler - acres</i>	<i>Low Volume - acres</i>	<i>Multiple methods -ac</i>
Grapes, wine	3,788		X		X	X
Lettuce (all)	11,311			X	X	X
Peppers (bell)	1,696			X	X	X
Tree crops (excl. walnuts)	2,187			X	X	X
Walnuts	1,905			X	X	X
Spinach	3,898		X	X	X	X
Onions, dry bulb	1,742			X	X	X
Misc. field crops	1,405		X			
Misc. veg. & row crops	4,787		X	X	X	X
Other (<5%)	7,152		X	X	X	X
<i>Total</i>	39,871					

Neither the District nor the County has information recorded as such. The ‘x’ represents the type of irrigation system used for each crop type listed. In the future as the District updates its customer records, this type of information may be collected and recorded in the databanks.

3. Urban use by customer type in current year (use separate tables for San Benito County WD, Hollister, San Benito and Sunnyside)

San Benito County Water District:

The District is a wholesale urban water supplier, it supplies water on a wholesale basis to Sunnyslope County Water District and the City of Hollister. It does not have retail urban customer connections in the form of multi or single family. The non-agricultural water the District does supply is to customers such as golf courses, schools, landscape only meters, etc. The District does serve the rural community of Stonegate, however, this water is sold to Stonegate as wholesale and they treat it and sell it to their homeowners. The number of connections below has been broken down into Blue Valve (imported water) and well customers.

<i>Customer Type</i>	<i>Number of Connections</i>		<i>2007 Use (AF)</i>	
	Blue Valve	Well	Blue Valve	Well
<i>Single-family</i>	0	0	0	0
<i>Multi-family</i>	0	0	0	0
<i>Commercial</i>	3	7	956.3	1037.5
<i>Industrial</i>	1	3	24.6	525
<i>Institutional</i>	0	6	0	116.7
<i>Landscape irrigation</i>	291	0	944.8	0
<i>Wholesale</i>	2	13	1789.7	5403.3
<i>Recycled</i>				
<i>Other (domestic & landscape well only)</i>	0	548	0	417.6
<i>Other (specify)</i>				
<i>Other (specify)</i>				
<i>Unaccounted for</i>				
Total	297	577	3,715	7,500

Sunnyslope County Water District:

<i>Customer Type</i>	<i>Number of Connections</i>	<i>2007 Use (AF)</i>
<i>Single-family</i>	5,005	
<i>Multi-family</i>	199	
<i>Commercial</i>	96	
<i>Industrial</i>	0	
<i>Institutional</i>	20	
<i>Landscape irrigation</i>	53	
<i>Wholesale</i>	0	
<i>Recycled</i>	0	
<i>Other (specify)</i>	0	
<i>Other (specify)</i>	0	
<i>Other (specify)</i>	0	
<i>Unaccounted for</i>	0	
Total	5,373	

*Data is not broken down between Industrial and Landscape Irrigation. This is the total used between all M&I users.

City of Hollister:

<i>Customer Type</i>	<i>Number of Connections</i>	<i>2007 Use (AF)</i>
<i>Single-family</i>		
<i>Multi-family</i>		
<i>Commercial</i>		
<i>Industrial</i>		
<i>Institutional</i>		
<i>Landscape irrigation</i>		
<i>Wholesale</i>		
<i>Recycled</i>		
<i>Other (specify)</i>		
<i>Other (specify)</i>		
<i>Other (specify)</i>		
<i>Unaccounted for</i>		
Total		

*Data is not broken down between Industrial and Landscape Irrigation. This is the total used between all M&I users.

4. *Urban Wastewater Collection/Treatment Systems serving the service area – current year*

The principal municipal water service providers in the area (City of Hollister, Sunnyslope County Water District, and the City of San Juan Bautista) operate wastewater treatment plants. There are six wastewater treatment plants in San Benito County, including Cielo Vista, which is a residential treatment plant and percolates less than 25 AFY to a leach field. All the plants dispose of treated effluent by percolation. This wastewater disposal recharges the groundwater. The annual amounts of effluent discharged are presented in the following table. This information can be found in Appendix D of the 2007 Final Groundwater Report for Water Year 2007 (page D-3). The total amount of groundwater recharge from wastewater was approximately 3,107 AF (not including Tres Pinos or Cielo Vista). There was not any quantifiable discharge to ocean/saline sink.

<i>Treatment Plant</i>	<i>Treatment Level (1, 2, 3)</i>	<i>2007 AF</i>	<i>Disposal to</i>
Hollister – domestic WTP	2	1,228	Percolation ponds
Hollister – industrial WTP	2	1,740	Percolation ponds
Ridgemark (op by SSCWD)	2	139	Percolation ponds
Tres Pinos	2	19	Percolation ponds
San Juan Bautista	2	N/A	Small tributary of San Juan Creek
Cielo Vista		<25	Leach field
	Total	3,151	
Total discharged to ocean	Saline sink	0	

5. *Ground water recharge / management / banking in current year (Table 6)*

<i>Recharge Area</i>	<i>Method of Recharge</i>	<i>(AF)</i>	<i>Method of Retrieval</i>
Tres Pinos Creek	River releases (percolation)	88	Groundwater Pumping
San Benito River	River releases (percolation)	216	Groundwater Pumping
	Total	304	

6. *Transfers and exchanges into or out of the service area in current year (Table 6)*

<i>From Whom</i>	<i>To Whom</i>	<i>(AF)</i>	<i>Use</i>
Del Puerto Water District	SBCWD (customer transfer)	50	Customer purchased water from outside the District.

7. *Trades, wheeling, wet/dry year exchanges or other transactions in current year (Table 6)*

No water was traded, wheeled, or exchanged in 2007.

<i>From Whom</i>	<i>To Whom</i>	<i>Year</i>	<i>(AF)</i>	<i>Use</i>
N/A	N/A	2007	N/A	N/A

8. *Other uses of water in current year*

<i>Other Uses</i>	<i>AF</i>
Rescheduled Water (moved in from 2006 Water Year)	1,000

F. Irrigation Drainage from the Service area (Table 7) (Ag only)

Districts included in the drainage problem area, as identified in "A Management Plan for Agricultural Subsurface Drainage and Related Problems on the Westside San Joaquin Valley (September 1990)," should also complete Section 3 D.

Irrigation practices and groundwater management practices are such that with minor exceptions no surface or subsurface drainage waters leave Zone 6. Depending on ground water levels in San Juan Valley, there are conditions where the lower portion of the San Benito River is a gaining reach and as such, is discharging to the Pajaro River.

1. *Surface and subsurface drain / return flows in current year*

As it is the policy of the District to not have any runoff or tailwater, a great deal of effort is not spent on drainage. However some landowners have tile drains in the San Juan Valley. These drain into local streams that eventually run into the Pajaro River. This District monitors these drains on a quarterly basis.

<i>Drain Identification</i>	<i>(AF)</i>	<i>Types of Uses</i>
1	0.62	Farming operation, used to combat high grdwtr.
2	0.42	Farming operation, used to combat high grdwtr.
3	0	Farming operation, used to combat high grdwtr.
4	0.44	Farming operation, used to combat high grdwtr.
5	0	Farming operation, used to combat high grdwtr.
6	1.08	Farming operation, used to combat high grdwtr.
7	0	Farming operation, used to combat high grdwtr.
8	0.66	Farming operation, used to combat high grdwtr.
9	1.72	Farming operation, used to combat high grdwtr.
10	0.07	Farming operation, used to combat high grdwtr.
11	0.24	Farming operation, used to combat high grdwtr.
12	0.33	Farming operation, used to combat high grdwtr.
13	0.07	Farming operation, used to combat high grdwtr.
Total	5.65	

2. *Description of the Drainage water quality testing program and the role of each participant in the program*

While there is not a drainage water quality-testing program per say, the District does test surface water twice per year (normally) and groundwater quality is tested quarterly. The surface water tests are performed in seasonal creeks and can only be performed when the creeks are running. During dry years, the streams might not run at all and consequently are not tested. Groundwater testing is performed quarterly at numerous designated wells. For information on these tests refer to Section 2 - D.5.

3. *Drainage Water (surface and subsurface) Quality Testing Program*

<i>Analyses Performed</i>	<i>Concentration Range</i>	<i>Frequency Range</i>	<i>Average</i>
N/A	N/A	N/A	N/A

4. *Usage limitation resulting from drainage water quality*

<i>Constituent</i>	<i>Usage Limitation</i>
High groundwater levels	Loss of several hundred acres of orchards in San Juan Valley
High groundwater TDS	Loss of several hundred acres of orchards in San Juan Valley

High groundwater and/or high groundwater TDS has resulted in the loss of several hundred acres of orchards in the San Juan Valley. The level of salts in the groundwater severely limits the ways in which the water can be used/recycled/reused. Efforts are being made to counteract these problems and make better use of the groundwater.

G. Water Accounting (Inventory)

The District has listed the information that it has access to in the Water Inventory Tables 1-8.

1. Water Supplies Quantified

- a. *Surface water supplies, imported and originating within the service area, by month (Table 1)*
- b. *Ground water extracted by the district, by month (Table 2)*
- c. *Effective precipitation by crop (Table 5)*
- d. *Estimated annual ground water extracted by non-district parties (Table 2)*
- e. *Recycled urban wastewater, by month (Table 3)*
- f. *Other supplies, by month (Table 1)*

2. Water Used Quantified

- a. *Agric. conveyance losses, including seepage, evaporation, and operational spills in canal systems (Agric. Table 4) or*
- b. *Urban leaks, breaks and flushing/fire uses in piped systems (Urban Table 4)*
- c. *Consumptive use by riparian vegetation or environmental use (Table 6)*
- d. *Applied irrigation water - crop ET, water used for leaching / cultural practices (e.g., frost protection, soil reclamation, etc.) (Table 5)*
- e. *Urban water use (Table 6)*
- f. *Ground water recharge (Table 6)*
- g. *Water exchanges and transfers (Table 6)*
- h. *Estimated deep percolation within the service area (Agric. Table 6)*
- i. *Flows to perched water table or saline sink (Agric. Table 7)*
- j. *Irrigation spill or drain water leaving the District (Agric. Table 6)*
- k. *Other*

3. Overall Water Inventory

- a. *Table 6*

According to Table 6, the total water entering the district is 20,848AF. After subtracting for any groundwater recharge, seepage, evaporation, etc. the total available water for agricultural sales was 19,994 AF; the total amount of water recorded for sales was 17,165 AF. There is a 14.2% difference between available water and actual water sold.

**Section 3:
BMPs
for
Agricultural Contractors**

A. Critical Agricultural BMPs

1. *Measure the volume of water delivered by the district to each turnout with devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 6 percent*

Number of turnouts that are unmeasured or do not meet the standards listed above: 0 – this is a complete BMP.

Number of measurement devices installed last year: N/A

Number of measurement devices installed this year: N/A

Number of measurement devices to be installed next year: N/A

<i>Types of Measurement Devices Being Installed</i>	<i>Accuracy</i>	<i>Total Installed During Current Year</i>
N/A	N/A	N/A

2. *Designate a water conservation coordinator to develop and implement the Plan and develop progress reports*

Name: Jeff Cattaneo **Title:** District Manager/Engineer

Address: P.O. Box 899, Hollister, CA 95024-0899

Telephone: 831-637-8218 **Fax:** 831-637-7267 **E-mail:** jcattaneo@sbcwd.com

3. *Provide or support the availability of water management services to water users*
See Attachment J, Notices of District Education Programs and Services Available to Customers.

a. *On-Farm Evaluations*

- 1) *On farm irrigation and drainage system evaluations using a mobile lab type assessment*

	<i>Total in district</i>	<i># surveyed last year</i>	<i># surveyed in current year</i>	<i># projected for next year</i>	<i># projected 2nd yr in future</i>
<i>Irrigated acres</i>	36,184	Not tracked	Not tracked	N/A	N/A
<i>Number of farms</i>	684	13	10	15	15

2) *Timely field and crop-specific water delivery information to the water user*
The SBCWD has implemented a GIS based parcel and water use data program that will be expanded to include crop specific data and irrigation system data. The District would like to collect improved data on what types of irrigation systems are being used for what crops and how water use correlates to these practices. If the District is better informed, they can help their users be better informed.

b. *Real-time and normal irrigation scheduling and crop ET information*

The San Benito County Water District helps maintain two CIMIS stations, one is on-site at the District office, the other is on a golf course in San Juan Bautista. If customers need assistance obtaining information from these stations, they can call the District and receive it.

c. Surface, ground, and drainage water quantity and quality data provided to water users
 SBCWD tests San Felipe water for selected constituents: total coliform, pH, electrical conductivity, apparent color, and odor threshold at 60° Celsius, laboratory turbidity, and source temperature. The District has also developed and implemented a water quality monitoring program for groundwater and surface water under a contract with the State of California, Water Resources Control Board. All information collected is available to the public upon request.

d. Agricultural water management educational programs and materials for farmers, staff, and the public

<i>Program</i>	<i>Co-Funders (If Any)</i>	<i>Yearly Targets</i>
CIMIS	DWR	Irrigation scheduling assistance.
Workshops	USBR	Irrigation scheduling, crop management assistance.
School Presentations	N/A	Water Education
Earth Day	N/A	Public Awareness
County Fair – District booth	N/A	Public Awareness

4. Pricing structure - based at least in part on quantity delivered

All water is billed by quantity. Power charges are based on location and quantity of water.

5. Evaluate the need for changes in policies of the institutions to which the district is subject

None identified.

6. Evaluate and improve efficiencies of district pumps

The District’s pumps are 20 years old. Their maintenance includes: monthly leak checks, lubrication of bearings, and motor checkups. A major maintenance schedule includes rebuilding a specific number of pumps and motors annually, so that the period between major maintenance is not more than 10 years.

B. Exemptible BMPs for Agricultural Contractors

1. Facilitate alternative land use

<i>Drainage Characteristic</i>	<i>Acreage</i>	<i>Potential Alternate Use</i>
<i>High water table (<5 feet)</i>	Several hundred acres of orchards in San Juan Valley	May need to change type of crop
<i>Poor drainage</i>	**	May need to change type of crop
<i>Heavy Soils</i>	**	May need to change type of crop
<i>High Salinity</i>	Several hundred acres of orchards in San Juan Valley	May need to change type of crop
<i>Poor productivity</i>	**	May need to change type of crop

**While the above-mentioned characteristics can be problematic in this area, they haven’t, as of yet, put any acreage out of production. They can tend to reduce yield or productivity and they may influence the growers’ decision of what types of crops they will grow.

2. *Facilitate use of available recycled urban wastewater that otherwise would not be used beneficially, meets all health and safety criteria, and does not cause harm to crops or soils*

Recycled urban wastewater is not directly used for irrigation purposes. All urban wastewater, less evaporation, is used for groundwater recharge. Due to groundwater quantity and quality management problems created by concentrated discharge of urban wastewater, SBCWD and the wastewater dischargers have undertaken a multi-year effort to update the Groundwater Management Plan and develop a set of programs and projects to manage current and future quantity and quality problems. This effort will specifically address urban wastewater reuse.

3. *Facilitate the financing of capital improvements for on-farm irrigation systems*

The District has received a \$3 million low interest loan from the State of California. This money is to be used to make smaller low-interest loans to county farmers. Farmers are to use the money to purchase new high efficiency irrigation equipment.

4. *Incentive pricing*

The District provides a 1.2 AF/ac maximum supply, which is not sufficient to sustain most crops. The District has a transfer program that allows farmers to transfer water from parcel to parcel, regardless of ownership, but dependent upon location in the District. The District offers to provide water-bank water to farmers at actual cost. Pricing has a minimum tier of the supplemental minimum amount, a transfer tier with price set by the seller, and a top tier of water-bank plus transportation cost. A water transfer program is in place for customers to use if they are short or long on water. An over-use charge or penalty fee has also been established for those users who go over their allocation amounts.

5. *a) Line or pipe ditches and canals*

Complete – District is completely piped, there are no on-farm ditches or canals.

- b) Regulatory reservoirs*

Complete – District is completely piped.

6. *Increase flexibility in water ordering by, and delivery to, water users*

See Attachment K – District Agricultural Water Order form

Maximum flexibility is available with the exception of about two weeks per year. Flexibility constraints include the USBR delivery system and some District facilities. Economics will dictate if and when the USBR delivery system is expanded, if full contractual amounts are available, and if District customers are willing or able to pay for these expansions.

7. *Construct and operate district spill and tailwater recovery systems*

No operational spills – District is completely piped.

8. *Optimize conjunctive use of surface and ground water*

Since the development of the CVP San Felipe Project, groundwater overdraft has been corrected and groundwater levels are now near historic highs. Based on this corrective action, conjunctive use is now a possibility. Some growers already use CVP water and groundwater conjunctively. It has been suggested by the District's Groundwater Management Plan that blended CVP and groundwater be made readily available to the District's users. Given that the mission of the District is to optimize the water supplies available, in order to preserve the wealth and maintain the well being of the community, having

available a conjunctive use of surface and groundwater that meets consumer quality requirements, is high on the list of priorities.

9. Automate canal structures

Complete – District is completely piped and automated.

10. Facilitate or promote water customer pump testing and evaluation

See Attachment J, Notices of District Education Programs and Services Available to Customers

The on-farm irrigation evaluations offered by the District include the option of pump efficiency testing.

C. Provide a 3-Year Budget for Implementing BMPs

1. Amount anticipated to be spent during 2008.

<i>BMP #</i>	<i>BMP Name</i>	<i>Anticipated Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A1	Measurement	COMPLETE	0
2	Conservation staff	ON-GOING	0
3	On-farm evaluations / water delivery info	\$40,000	0
	Irrigation Scheduling	INCLUDED	0
	Water quality	INCLUDED	0
	Agricultural Education Program	\$10,000	0
4	Quantity pricing	COMPLETED	0
5	Policy changes	NONE IDENTIFIED	0
6	Contractor's pumps	\$50,000	0
B1	Alternative land use	N/A	0
2	Urban recycled water use	\$10,000	0
3	Financing of on-farm improvements	\$25,000	0
4	Incentive pricing	COMPLETE	0
5	Line or pipe canals/install reservoirs	N/A	0
6	Increase delivery flexibility	N/A	0
7	District spill/tailwater recovery systems	N/A	0
8	Optimize conjunctive use	\$200,000	0
9	Automate canal structures	N/A	0
10	Customer pump testing	INCL IN ON-FARM EVALS	0
	<i>Total</i>	\$335,000	0

2. Projected budget summary for 2009.

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
<i>A1</i>	<i>Measurement</i>	COMPLETE	0
<i>2</i>	<i>Conservation staff</i>	ON-GOING	0
<i>3</i>	<i>On-farm evaluations / water delivery info</i>	\$40,000	0
	<i>Irrigation Scheduling</i>	INCLUDED	0
	<i>Water quality</i>	INCLUDED	0
	<i>Agricultural Education Program</i>	\$10,000	0
<i>4</i>	<i>Quantity pricing</i>	COMPLETED	0
<i>5</i>	<i>Policy changes</i>	NONE IDENTIFIED	0
<i>6</i>	<i>Contractor's pumps</i>	\$50,000	0
<i>B1</i>	<i>Alternative land use</i>	N/A	0
<i>2</i>	<i>Urban recycled water use</i>	\$10,000	0
<i>3</i>	<i>Financing of on-farm improvements</i>	\$25,000	0
<i>4</i>	<i>Incentive pricing</i>	COMPLETE	0
<i>5</i>	<i>Line or pipe canals/install reservoirs</i>	N/A	0
<i>6</i>	<i>Increase delivery flexibility</i>	N/A	0
<i>7</i>	<i>District spill/tailwater recovery systems</i>	N/A	0
<i>8</i>	<i>Optimize conjunctive use</i>	\$200,000	0
<i>9</i>	<i>Automate canal structures</i>	N/A	0
<i>10</i>	<i>Customer pump testing</i>	INCL IN ON-FARM EVALS	0
	<i>Total</i>	\$335,000	0

3. Projected budget summary for 2010.

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
<i>A1</i>	<i>Measurement</i>	COMPLETE	0
<i>2</i>	<i>Conservation staff</i>	ON-GOING	0
<i>3</i>	<i>On-farm evaluations / water delivery info</i>	\$40,000	0
	<i>Irrigation Scheduling</i>	INCLUDED	0
	<i>Water quality</i>	INCLUDED	0
	<i>Agricultural Education Program</i>	\$10,000	0
<i>4</i>	<i>Quantity pricing</i>	COMPLETED	0
<i>5</i>	<i>Policy changes</i>	NONE IDENTIFIED	0
<i>6</i>	<i>Contractor's pumps</i>	\$50,000	0
<i>B1</i>	<i>Alternative land use</i>	N/A	0
<i>2</i>	<i>Urban recycled water use</i>	\$10,000	0
<i>3</i>	<i>Financing of on-farm improvements</i>	\$25,000	0
<i>4</i>	<i>Incentive pricing</i>	COMPLETE	0
<i>5</i>	<i>Line or pipe canals/install reservoirs</i>	N/A	0
<i>6</i>	<i>Increase delivery flexibility</i>	N/A	0
<i>7</i>	<i>District spill/tailwater recovery systems</i>	N/A	0
<i>8</i>	<i>Optimize conjunctive use</i>	\$200,000	0
<i>9</i>	<i>Automate canal structures</i>	N/A	0
<i>10</i>	<i>Customer pump testing</i>	INCL IN ON-FARM EVALS	0
	<i>Total</i>	\$335,000	0

Section 4: BMPs for Urban Contractors

The District, as a founding member of the Water Resources Association of San Benito County (WRA) and by its adoption of the Hollister Area Urban Water Management Plan 2000, is committed to implementing urban water conservation Best Management Practices (BMPs) as set forth by the California Urban Water Conservation Council (CUWCC) including the landscape BMP's required to meet DWR and USBR criteria.

1. Water Survey Programs for Single-Family and Multi-Family Residential Customers

Program description –

The WRA contacted, through bill stuffers, messages on bills and/or postcards, all single-family & multi-family residential customers in both Sunnyslope County Water District & City of Hollister water service areas during January – December 2007. Newspaper advertising was used throughout the year to inform local residents of this free service.

The Water Survey Program offers free home water surveys for the purpose of water conservation. The Program goal is to provide 200 single-family residential surveys & 50 multi-family surveys on an annual basis. Surveys include the following elements:

- Instruct customers in meter reading and detecting leaks at meter.
- Check for leaks at toilet & where appropriate, provide new toilet flappers and/or make minor adjustments to flush & refill mechanisms.
- Check toilet flush volumes &, when appropriate, recommend a ULFT replacement with a \$75.00 rebate, or the quarterly free toilet giveaways.
- Check showerhead & aerator flow rates; provide and install low-flow models as necessary, at no cost to the customer.
- Check irrigation system for overall functioning of timer, valves, and sprinkler heads.
- Prepare an irrigation schedule based on the output of the system & the seasonal evapotranspiration rate in San Benito County.
- Provide customer with evaluation results, water saving recommendations, and general water conservation literature.

Enter the number of surveys conducted in passed years and the projected number for future years.

Numbers beyond 2010 are simple speculation as the WRA has not projected this far into the future at this time.

<i>Residential type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
SF accts -		360	329	200	200	200	200	200
MF units -		217	2	50	50	50	50	50

2. Residential Plumbing Retrofit

Program description –

The Residential Plumbing Retrofit program gives away kits that contain high-quality, 2.5 GPM or less showerheads, 2.0 GPM bath faucet aerators, and garden hose nozzles. The goal of this program is to distribute 215 single-family units and 75 multi-family units in the SSCWD area and 260 single-family and 45 multi-family units in the City of Hollister area per year during the years of 1999-2009. These retrofit kits are given away at specific giveaway events as well as during residential surveys. WRA staff offers to install these devices during a residential survey. WRA personnel track the location, type, and number of retrofits completed, devices distributed, and program costs.

Enter the number of showerheads distributed in the past and the projected number for future years
Numbers are not available beyond 2009 as the WRA has not projected this far into the future at this time.

<i>Residential type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
SF accts -	475	544	580	475	475	?	?	?
MF units -	162	0	120	120	120	?	?	?

The extremely hard groundwater provided to local residents for household use causes showerheads to clog quickly, leading to a high showerhead turnover rate.

3. *System Water Audits, Leak Detection, and Repair*

Program description –

The San Benito County Water District audits its system on an annual basis. Losses are estimated from San Justo Reservoir using elevation and storage with some additional added in to account for surge valve releases, which is only a few acre-feet per year. The system losses for 2007 were 942 AF. Losses through the turnouts vs. deliveries are not done currently due to meter inaccuracy. A rule of thumb for losses has always been 10% of San Justo volume of 10,000 AF per year + or – rainfall and return pumps.

The City of Hollister and Sunnyslope County Water District both have leak detection equipment, but a dedicated leak detection program has not been implemented. The City of Hollister and Sunnyslope County Water District programs consist of completing an annual pre-screening system audit to determine the need for a full-scale system audit. The pre-screening system audit shall be performed as follows:

- 1) Determine metered sales.
- 2) Determine other system verifiable uses.
- 3) Determine total supply into system.
- 4) Divide metered sales plus other verifiable uses by total supply into the system. If this quantity is less than 0.9, a full-scale system audit is indicated.

Enter the AF of water purchased and lost in the past and the projected amount in future years

San Benito County Water District

Estimates for 2008 through 2012 are just estimates. These delivery numbers are based on 40% of District’s total CVP allocation. Losses or unaccounted for water are based at 4% as the maximum allowable loss.

San Benito CWD	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
<i>Total Water AF</i>	26,242	20,848	17,520	17,520	17,520	17,520	17,520
<i>Unaccounted for AF</i>	978	942	700	700	700	700	700
<i>% UAW</i>	3.7%	4.5%	4%	4%	4%	4%	4%

Sunnyslope CWD	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
<i>Total Water AF</i>	2946	3042	-	-	-	-	-
<i>Unaccounted for AF</i>	19	0	-	-	-	-	-
<i>% UAW</i>	0.64%	0%	-	-	-	-	-

City of Hollister	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
<i>Total Water AF</i>	3908.61	Not done	-	-	-	-	-
<i>Unaccounted for AF</i>	21.51	-	-	-	-	-	-
<i>% UAW</i>	0.55%	-	-	-	-	-	-

When “Unaccounted For Water” exceeds 10%, the City of Hollister and Sunnyslope will complete distribution system audits using methodology consistent with that described in AWWA’s Water Audit and Leak Detection Guidebook.

4. Metering with Commodity Rates for all New Connections and Retrofit of Existing Connections

(NOT EXEMPTIBLE)

Program description –

Install meters at new connections before those connections receive water.

All accounts are metered for San Benito County Water District, Sunnyslope County Water District and the City of Hollister as of 2000. All connections are billed at commodity rates. The City of Hollister and the Sunnyslope County Water District have an inclining block rate structure. San Benito County Water District has a flat per unit rate.

Number of unmetered connections: 0

Number of connections not billed by quantity: 0

5. Large Landscape Conservation Programs and Incentives

Program description –

The WRA provides a program for non-residential customers with large landscaped areas. This program is offered free of charge to all commercial, industrial and institutional customers within San Benito County, Cities of Hollister and San Juan Bautista and Sunnyslope’s service areas.

Through this program, a licensed, outside contractor is hired to go out to the participant, meet with them, determine what can help them reduce their water use, perform the audit and prepare a written report followed up by a meeting if necessary. WRA staff often accompanies the contractor on the initial and final meetings.

In the upcoming Fiscal Year, WRA has budgeted for more training for large landscape customers, be these gardening services and their employees or individual owners who maintain the landscapes themselves. The WRA would like to offer incentives in the future to upgrade irrigation systems or methods of scheduling. Currently landscape water budgets are not required or enforced.

Enter the number of landscape budgets/audits in passed years & the projected number for future years
Please note, WRA does not differentiate between Dedicated meters and mixed use meters for the number of audits done. The numbers reported for the future are for either meter type.

San Benito County

<i>irrigation type</i>	<i>yr target</i>	2006	2007	2008	2009	2010	2011	2012
Dedicated meters -	0	0	1	1	1	?	?	?
Mixed use meters -	0							

Sunnyslope County Water District

<i>irrigation type</i>	<i>yr target</i>	2006	2007	2008	2009	2010	2011	2012
Dedicated meters -	0	1	0	1	1	?	?	?
Mixed use meters -	0							

City of Hollister

<i>irrigation type</i>	<i>yr target</i>	2006	2007	2008	2009	2010	2011	2012
Dedicated meters -	3	3	3	1	1	?	?	?
Mixed use meters -	0							

City of San Juan Bautista

<i>irrigation type</i>	<i>yr target</i>	2006	2007	2008	2009	2010	2011	2012
Dedicated meters -	0	0	0	0	0	0	0	0
Mixed use meters -	0	1	0					

6. *High-Efficiency Washing Machine Rebate Programs*

Program description –

Since December 2002, a \$100 rebate for Energy Star-labeled washing machines has been in place. Water customers of the City of Hollister, City of San Juan Bautista, Sunnyslope County Water District, and Stonegate Estates (San Benito County Water District- San Felipe Division water) are eligible. These rebates are made available using budgeted funds from the WRA and a Bureau of Reclamation cost-share grant (Field Services) that was used in FY 03/04. Rebate recipients also receive a Free Home Water Checkup at the time of the installation inspection.

Advertising is done for this program through articles in the WRA newsletter. These articles highlight the benefits of horizontal axis washing machines; this newsletter is available to City of Hollister and SSCWD water and sewer customers as well as San Juan Bautista residents. Advertisements for the rebates are published in the local newspapers and on the WRA website. Water customers of the City of Hollister and SSCWD were also sent either a bill stuffer or mailer advertising High Efficiency washing machine rebates.

New clothes washing machine standards in California take place in 2010. All clothes washers sold must be: 6.0 gallons of water/cubic foot of space.

Enter the number of rebates paid in passed years & the projected number for future years

San Benito County (Stonegate Estates)

\$ rebate	2006	2007	2008	2009	2010	2011	2012
\$100	2	0	5	5	?	?	?

City of Hollister

\$ rebate	2006	2007	2008	2009	2010	2011	2012
\$100	116	128	100	100	?	?	?

Sunnyslope County Water District

\$ rebate	2006	2007	2008	2009	2010	2011	2012
\$100	136	110	110	110	?	?	?

City of San Juan Bautista

\$ rebate	2006	2007	2008	2009	2010	2011	2012
\$100	5	2	10	10	?	?	?

7. *Public Information Programs (See Attachment G for samples)*

Program description –

The Hollister and San Juan Bautista-area public information efforts include a focused marketing campaign to promote the incentives provided by the participating agencies. This includes the water survey/audit (BMP1), the residential fixture retrofit effort (BMP 2), the High Efficiency Clothes Washer rebate (BMP 6a), the ULFT rebate program and the quarterly free toilet give away (BMP 14), and the Potential BMP (PBMP 6) Water Softener Replacement/Removal Rebate (\$150-\$300).

The WRA ran ads in the local newspapers once a week for the month of November. These advertised the new Water Softener replacement program. The WRA publishes bi-annual newsletters as well; the newsletters contain information regarding programs and events that are available to county residents. These newsletters are available at the offices of San Benito County Water District, Sunnyslope County Water District and the Cities of Hollister and San Juan Bautista.

In addition, general water efficiency at home is promoted through items and literature displayed and handed out at booths set-up at local events. A more complete list includes the following outreach methods:

- Providing speakers to community groups and the media. Shawn Novack, the Water Conservation Program Manager, has been the speaker at all functions.
- Paid and public service advertising and bill inserts/postcards to disseminate water conservation information.
- Programs to coordinate with other government agencies, industry groups, public interest groups, and the media on water resource issues.
- In 2006 the WRA held its first annual Water Awareness Day in May. This is an annual event that takes place in downtown Hollister. Booths are set-up by local professionals. Information is handed out on water efficient landscaping, irrigation, as well as free programs offered by the WRA.

Free literature available at the WRA and retailers' offices include:

- Sunset's "How to Water Your Garden",
- "Water-Wise Gardening for California",
- "Salt Pollution",
- Brochures on irrigation controllers,
- "25 Water-Saving Tips" and
- A list of local resources for water-efficient landscaping.

8. *School Education Programs (See attachment M for samples)*

Program description –

WRA staff works with school districts and private schools in the water suppliers' service area to provide instructional assistance, educational materials, and classroom presentations that identify urban, agricultural, and environmental issues and conditions in the local watershed. Education materials meet the State education framework requirements and grade-appropriate materials are distributed to grade levels K-3, 4-6, 7-8, and high school.

Every year in March the Irrigation Engineer or the Water Conservation Program Manager gives a water education presentation at the San Benito County "Ag in the Classroom Day". The Water Conservation Program Manager also puts on a field day for 5th graders in the area when invited. This day focuses on the Water Cycle, where their water comes from and water resource protection. Field trips to the Lessalt Plant and the San Justo Reservoir are also available.

California Water Awareness Campaign materials are distributed to 4th and 5th grade teachers, 4th – 6th grade teachers are sent a letter with an order form offering the following materials at no charge:

- the Kids water conservation and water quality series by Project WET,
- the Water Education Foundation's "California Water Story",
- the "No-Know Game", and
- the California Water Map.

The Water Education Foundation and Project WET advertise all as appropriate for grades 4-6.

9. *Conservation Programs for CII Accounts*

Program description –

The WRA is working with SSCWD and COH to identify CII customers by standard industrial classification (SIC) codes. SSCWD and COH are working on updating lists to provide to the WRA so these records can be current.

The WRA periodically receives lists of CII users according to use. WRA staff contacts those on the list that are classified as high water users. They are offered audits and made aware of various replacement programs available.

Audits of high-traffic commercial businesses such as restaurants, bars and gas stations in Hollister and San Juan Bautista can show things such as inefficient toilets and dishwashers. Business owners are notified of the toilet replacement program as well as the water-efficient dishwashers and pre-rinse sprayers that are available.

Enter the number of surveys conducted in passed years & the projected number for future years

The WRA has only done two “surveys” in this classification since 2004. The HAUWMP states that, “... the City of Hollister and Sunnyslope will directly contact (via letter, telephone or personal visit) the designated customers.....These water audits will be conducted by independent contractors with experience in the specific industry or commercial/industrial sector surveyed.” The WRA does not do this service unless it is requested. The WRA does host a booth at Spotlight on Hollister every May to assist businesses with retrofitting or water saving ideas.

San Benito County Water District

<i>Customer type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
Comm. accts -		N/A						
Indust. accts -		N/A						
Instit. accts -		N/A						

City of Hollister

<i>Customer type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
Comm. accts -								
Indust. accts -								
Instit. accts -								

Sunnyslope County Water District

<i>Customer type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
Comm. accts -		0	0					
Indust. accts -		0	0					
Instit. accts -		0	0					

City of San Juan Bautista

<i>Customer type</i>	<i>yr target</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>
Comm. accts -								
Indust. accts -								
Instit. accts -								

10. Wholesale Agency Assistance Programs

Program description –

The San Benito County Water District (wholesaler) contributes to the regional effort through financial support of the Water Conservation Program. The San Benito County Water District, the City of Hollister, Sunnyslope County Water District, and the City of San Juan Bautista are the agency members of the Water Resources Association of San Benito County. The Water Conservation Program is funded by the WRA budget. The WRA is governed by a Board of Directors made up of members of the Board or Council of each agency. Staff-level management is by staff at each utility.

The District provides financial support in the form of providing yearly budget and staff to support cooperative pilot programs and countywide public information and school education programs with the retail water agencies.

The San Benito County Water District provides technical support as well by paying a percentage of the Water Conservation Program Manager's salary. The Water Conservation Program Manager, Shawn Novack, administers the Water Conservation budget of the regional WRA; he also organizes the programs for BMP implementation, and assists with reporting to the CUWCC on progress. In addition, the San Benito County Water District offers Engineering Technical support, upon request from local retailers or the Water Conservation Program Manager.

The District provides conservation-related technical support and information to all retail agencies for which they serve as a wholesale supplier. This support includes:

1. Retail agencies and BMP implementation reporting requirements. The City of Hollister is currently the only signatory of the CUWCC Memorandum within the WRA. They are required to report on BMP implementation progress every other year. The first report was submitted in December 2002.
2. The technical, programmatic, strategic, or other pertinent issues and developments associated with water conservation activities in each of the following areas:
 - a. ULFT replacement, residential retrofits,
 - b. CII surveys,
 - c. residential and large turf irrigation, and
 - d. conservation-related rates and pricing.
3. Have the necessary staff or equivalent resources available to respond to retail agencies' technical and programmatic questions involving Reclamation's BMPs and their associated reporting requirements.

The San Benito County Water District supplies space and some technical assistance with toilet recycling efforts related to the ULFT replacement programs (rebates and Free Toilets). The District also supplies warehouse space for toilets and retrofit items and equipment in addition to transportation.

The District assists with program management. When mutually agreeable and beneficial, the District may operate all or any part of the conservation-related activities that a given retailer is obligated to implement under the BMP's cost-effectiveness test. The District, operating under a Reclamation contract, recognizes and accepts the obligation to fully satisfy the requirements of the Reclamation water conservation requirements.

11. Conservation Pricing

Program description –

San Benito County Water District bills its customers at a volumetric rate with an over use charge when allocations are exceeded. The over-use charge was put in place in 2009.

The City of Hollister changed its rates to an inclining block structure in January 2009. The City plans on doing another "rate analysis" in September of 2010, if warranted they will institute a rate change in October 2011.

The Sunnyslope County Water District also has an inclining block rate structure. They are currently conducting a rate study, it is anticipated there will be a public hearing in July or August of 2009.

The City of San Juan Bautista has a flat rate plus a low additional per-unit charge.

See billing documents, Attachment N, enclosed.

The subcontractors provide sewer service, not the wholesaler. SBCWD has no plans to discuss sewer service. If a good faith effort is needed, the District will make one in the form of a letter and informational support.

12. Conservation Coordinator

Name: Jeff Cattaneo

Title: Water District Manager/Engineer

Address: 30 Mansfield Rd. P.O. Box 899, Hollister, CA 95024-0899

Telephone: 831.637.8218

E-mail: jcattaneo@sbcwd.com

13. Water Waste Prohibition

Program description –

Enactment and enforcement of a water waste ordinance prohibiting gutter flooding, single-pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains, for retailers where Ordinances have been enacted (City of Hollister & Sunnyslope County Water District). SBCWD has regulations for water waste regarding tailwater for the agricultural customers. These can be found in Attachment C, Water Users Handbook – Section 6, page 1.

It is up to the retailers to determine what residents are violating the water waste ordinances. Often times this is handled by concerned citizens contacting the proper authorities. None of the retailers cite water waste violators. Instead, they are offered a Free Home Water Checkup and sprinkler assistance from the WRA. Four letters were sent out in 2007; concerned citizens reported all of these “violations”.

Please refer to Attachment L, Water Waste Ordinances for the City of Hollister and Sunnyslope County Water District.

14. Residential ULFT Replacement Programs

Program description –

There are two Toilet Replacement Programs that are offered to customers of the City of Hollister, Sunnyslope County Water District and the City of San Juan Bautista. Both programs are offered to customers who own toilets older than 1992. Approximately every quarter of the calendar year, the WRA holds a Toilet Giveaway at the District’s maintenance yard. In addition, there is a rebate program where a customer can purchase their own toilet and receive up to \$75 to offset their cost of replacement. Each program requires the customer to return their old toilet to the WRA offices for age verification and recycling purposes.

Enter the number of toilets replaced in passed years and the projected number for future years.

San Benito County Water District

Residential type	yr target	2006	2007	2008	2009	2010	2011	2012
SF accts -		0	6	0	0	0	0	0
MF units -		0	0	0	0	0	0	0

City of Hollister

Residential type	yr target	2006	2007	2008	2009	2010	2011	2012
SF accts -		149	201	225	225	?	?	?
MF units -		6	23	30	30	?	?	?

City of San Juan Bautista

Residential type	yr target	2006	2007	2008	2009	2010	2011	2012
SF accts -		23	13	25	25	?	?	?
MF units -		0	1	5	5	?	?	?

Sunnyslope County Water District

Residential type	yr target	2006	2007	2008	2009	2010	2011	2012
SF accts -		155	236	225	225	?	?	?
MF units -		51	11	30	30	?	?	?

Provide a 3-Year Budget for Expenditures and Staff Effort for BMPs

Actual Current Year Expenditures

Year	<u>2008</u>		Actual Expenditures	Staff Hours
BMP #	BMP Name		(not including staff hours)	
1	Residential Water Audits		\$23,000	780
2	Residential Retrofit		\$7,200	780
3	System Water Audit and Leak Detection		Not WC budget	
4	Metering w/Commodity Rates		\$0	0
5	Landscape Water Audits		\$6,000	40
6	Washing Machine Rebates		\$25,000	500
7	Public Information		\$28,750	60
8	School Education Program		\$4,000	40
9	CII Conservation Programs		\$3,000	40
10	Wholesale Agency Programs(\$ also for BMP 12	\$93,200		1800
11	Conservation Pricing		\$0	0
12	Conservation Coordinator		See BMP 10	0
13	Water Waste Prohibition		\$5,000	0?
14	ULFT Program(\$ also for BMP 9)		\$52,000	260
			Total \$247,250	0

Projected Budget for Next Year (increased by 5%)

Year	<u>2009</u>		Actual Expenditures	
BMP #	BMP Name		(not including staff hours)	Staff Hours
1	Residential Water Audits		\$24,150	780
2	Residential Retrofit		\$7,560	780
3	System Water Audit and Leak Detection	Not WC budget		
4	Metering w/Commodity Rates		\$0	0
5	Landscape Water Audits		\$6,300	40
6	Washing Machine Rebates		\$26,250	500
7	Public Information		\$30,188	60
8	School Education Program		\$4,200	40
9	CII Conservation Programs		\$3,150	40
10	Wholesale Agency Programs(\$ also for BMP 12	\$97,860		1800
11	Conservation Pricing		\$0	0
12	Conservation Coordinator	See BMP 10		0
13	Water Waste Prohibition		\$5,250	0?
14	ULFT Program(\$ also for BMP 9)		\$54,600	260
			Total	\$259,613

Projected Budget for 3rd Year (increased by 5%)

Year	<u>2010</u>		Actual Expenditures	
BMP #	BMP Name		(not including staff hours)	Staff Hours
1	Residential Water Audits		\$25,358	780
2	Residential Retrofit		\$7,938	780
3	System Water Audit and Leak Detection	Not WC budget		
4	Metering w/Commodity Rates		\$0	0
5	Landscape Water Audits		\$6,615	40
6	Washing Machine Rebates		\$27,563	500
7	Public Information		\$31,697	60
8	School Education Program		\$4,410	40
9	CII Conservation Programs		\$3,308	40
10	Wholesale Agency Programs(\$ also for BMP 12	\$102,753		1800
11	Conservation Pricing		\$0	0
12	Conservation Coordinator	See BMP 10		0
13	Water Waste Prohibition		\$5,513	0?
14	ULFT Program(\$ also for BMP 9)		\$57,330	260
			Total	\$272,594