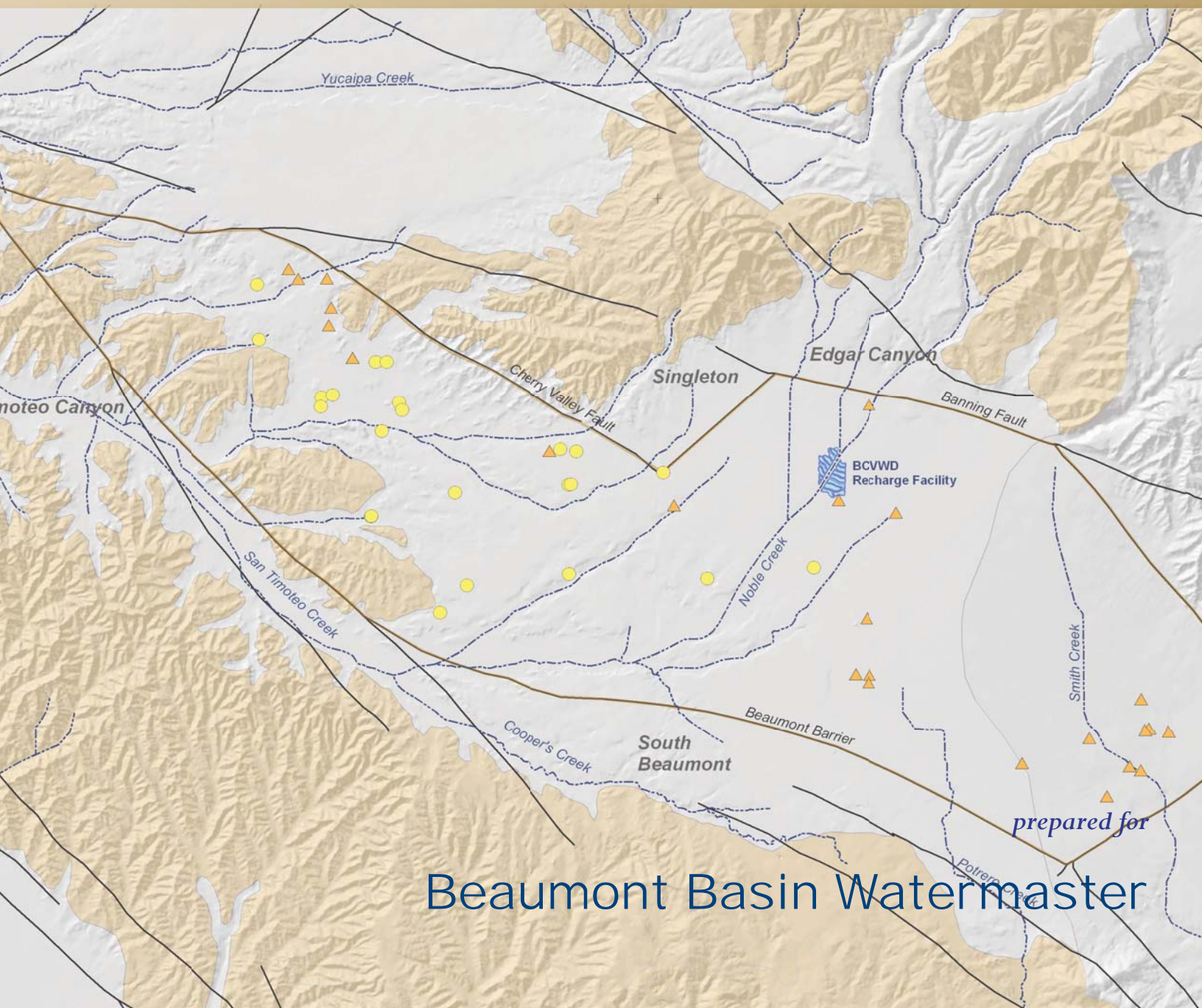


Fifth Annual Report of the Beaumont Basin Watermaster



Beaumont Basin Watermaster

March 2009



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Acronyms, Abbreviations, and Initialisms

acre-ft	acre-feet
acre-ft/yr	acre-feet per year
Banning	City of Banning
Basin	Beaumont Basin
BCVWD	Beaumont Cherry Valley Water District
Beaumont	City of Beaumont
du	Dwelling unit
IRWMP	Integrated Regional Water Management Program
Pass Agency	San Geronio Pass Water Agency
SMWC	South Mesa Water Company
STWMA	San Timoteo Watershed Management Authority
Watermaster	Beaumont Basin Watermaster
WEI	Wildermuth Environmental, Inc.
YVWD	Yucaipa Valley Water District



Section 1 – Overview of the Judgment and the Watermaster

1.1 Background

In January 2001, based on a common interest in the San Timoteo Watershed, the Beaumont Cherry Valley Water District (BCVWD), the City of Beaumont (Beaumont), the South Mesa Water Company (SMWC), and the Yucaipa Valley Water District (YVWD) formed the San Timoteo Watershed Management Authority (STWMA). Once formed, the STWMA began a watershed-wide, multi-phase effort to develop and implement a comprehensive San Timoteo Watershed Management Program (STWMP). Phase 1 of the STWMP included developing a description of the area's water resources, establishing goals to protect and enhance these resources, and affirming a management plan to accomplish said goals. This work is documented in the *San Timoteo Watershed Management Program, Phase 1 Report* (WEI 2002) and its successor, the updated and re-titled *Integrated Regional Water Management Program* (IRWMP) for the San Timoteo Watershed (WEI 2005). The goals established in Phase I include:

- Enhancing basin water supplies
- Protecting and enhancing water quality
- Optimizing the management of STWMA area groundwater basins
- Protecting riparian habitat in San Timoteo Creek and protecting/enhancing habitat in the STWMA area
- Equitably distributing the benefits and costs of developing the IRWMP for the San Timoteo Watershed

The Phase 1 report also identified the initiatives and program elements necessary to achieve these goals. Program Element 5 called for the STWMA members to establish a groundwater management entity for the Beaumont Basin, which encompasses approximately 26 square miles and has a safe yield of approximately 8,650 acre-feet (acre-ft), a total storage capacity of over a million acre-ft, and up to 200,000 acre-ft of storage capacity available for conjunctive use. Two groups, representing appropriator and overlying interests in the Basin, began negotiations in May 2002 to implement this program element.

A Stipulated Agreement was developed and submitted to the Court as a result of the negotiations. Honorable Judge Gary Tranbarger of the Superior Court of the State of California for the County of Riverside signed the Judgment, titled “*San Timoteo Watershed Management Authority, vs. City of Banning, et al.*” (Case No. RIC 389197), on February 4, 2004. Pursuant to the Judgment, the Court appointed a five-member Watermaster committee, consisting of representatives from each of the Appropriator entities: the City of Banning (Banning), Beaumont, the BCVWD, the YVWD, and the SMWC. The effective date of the Judgment for accounting purposes is July 1, 2003.

The Court gave the responsibility for the management of the Basin to the Watermaster by approving the Stipulated Agreement but retained continuing jurisdiction should there be any need in the future to resolve difficult questions among the Parties. A copy of the Judgment



and other important information regarding the Watermaster is available on the Watermaster's website www.beaumontwatermaster.org.

1.2 Watermaster Responsibilities

Watermaster, in carrying out its duties, is responsible for providing a legal and practical means to ensure that the waters of the Basin are put to maximum beneficial use by facilitating the conjunctive use of surface, ground, and supplemental waters, and by satisfying the requirements of water users that have rights in the Basin or that are dependent upon the Basin. The specific responsibilities of the Watermaster are summarized below.

Administer the Beaumont Basin Judgment. Watermaster operates under the Judgment and a formal set of Rules and Regulations (and any revisions thereto), which were adopted on June 8, 2004. Together, the Judgment and the Rules and Regulations establish the procedures by which Watermaster accounts for the water resources of the Basin. In order to fund its operations, Watermaster collects both administrative and replenishment assessments from the Parties to the Judgment.

Maintain and Improve Water Supply. Watermaster determines the amount of groundwater that each producer is entitled to pump annually without incurring a replenishment obligation. As needed, the Watermaster facilitates the acquisition and storage of replenishment water. In this reporting period, Watermaster was involved in discussions to acquire additional water supplies with numerous regional water management and state water contractors, including the San Geronio Pass Water Agency (Pass Agency).

Approve Producer Activities. Producer Parties must notify and obtain approval, as necessary, from Watermaster for activities, such as recharging or spreading water, transferring or exchanging water, storing local water, and storing or recovering supplemental water.

Develop Contracts for Beneficial Programs and Services. Watermaster is responsible for developing and entering into contracts for programs and services that are beneficial to the Basin on behalf of the Parties to the Judgment. This includes programs for conjunctively utilizing the Basin for the storage of supplemental water with other entities, such as the Department of Water Resources or the Pass Agency, and programs for the direct and/or indirect use of recycled water. In this reporting period, the Watermaster was involved in discussions with the Municipal Water District of Orange County and other entities regarding the storage of supplemental water in the Basin. The proceeds of such a program would be used to increase supplemental supplies and improve the supply reliability of the Parties.

Monitor and Understand the Basin. Watermaster collects data from producers, including production, water level, and water quality data, to expand its knowledge of how the Basin works in order to manage it more effectively. Watermaster has a program to install integrated data loggers (transducers) in wells throughout the Basin. These transducers record groundwater levels every fifteen minutes. These water level data—in addition to the groundwater level data collected by STWMA Project Committee 1, the USGS, and the Parties—are collected and included in a relational database that is used to assess groundwater level and storage conditions. Watermaster has a similar program in place for water quality.



Watermaster also conducts a biennial ground surface survey and InSAR investigation to determine if land subsidence is occurring. Each year, production, recharge, and storage data are compiled into an annual report of Watermaster activities. Additionally, an engineering report on the state of the Basin's water resources, including changes in groundwater elevation and quality, is produced biennially.

Maintain and Improve Water Quality. Watermaster coordinates and participates in local efforts to preserve and restore the quality of groundwater in the Basin. It assists and encourages regulatory agencies to enforce water quality regulations that affect the Basin and its surrounding resources. Watermaster supports the monitoring efforts of STWMA PC1 and utilizes the results of these efforts when reporting regional water quality conditions to the Parties in its Biennial Engineers Report.

Provide Cooperative Leadership. Watermaster helps develop and implement regional scale programs for the management of the Basin and its surrounding resources. For example, Watermaster initiated an investigation regarding salt management in the Beaumont Management Zone, which includes the Beaumont Basin, the Beaumont South Basin, the Singleton Basin, and Lower Edgar Canyon. This investigation has since been taken over by the STMWA and its report is pending.

1.3 Watermaster Address

For the purposes of conducting Watermaster business and maintaining records, Watermaster's official address remains as follows:

Office of the Watermaster Secretary
C/O Beaumont-Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

1.4 Watermaster Website

In February 2004, Watermaster established a website in an effort to communicate its activities to the Parties and the public. The website contains copies of the Judgment, the Rules and Regulations, meeting agendas, and meeting minutes. The website will continue to evolve and include additional relevant information as Watermaster continues to manage the Basin and administer the Judgment. The website address is www.beaumontwatermaster.org.

1.5 Mission Statement

Watermaster adopted the following mission statement in October 2004:

“Watermaster’s mission is to manage the yield of and storage within the Beaumont Basin to provide maximum benefit to the people dependent on it.”



Section 2 – Watermaster Activities

The Watermaster continued to administer and implement the Judgment during its fifth year of operation. Watermaster activities are discussed in more detail below by subject matter.

2.1 Watermaster Committee Representatives

The Committee Representatives, who are all employees or consultants of their nominating agencies, are as follows:

Banning, City of	James Earhart, Director of Public Works
Beaumont, City of	Deepak Moorjani, Director of Public Works
Beaumont-Cherry Valley Water District	Charles Butcher, General Manager
South Mesa Water Company	George Jorritsma, General Manager
Yucaipa Valley Water District	Joseph B. Zoba, General Manager

The Committee Officers, listed below, continued to serve Watermaster as in the previous year:

Chairman	George Jorritsma
Vice Chairman	Deepak Moorjani
Secretary	Charles Butcher
Treasurer	Joseph B. Zoba

Mr. J. Andrew Schlange continued to serve as the Chief of Watermaster Services, Mr. Joseph S. Aklufi continued to serve as Watermaster's Legal Counsel, and Mr. Mark J. Wildermuth of Wildermuth Environmental, Inc. (WEI) continued to serve as the Watermaster Engineer.

2.2 Active Party List

Under Part VII, Paragraph 1 of the Judgment, "the Watermaster shall maintain, at all times, a current list of Parties to whom notices are to be sent and their addresses for the purposes of service. The Watermaster shall also maintain a full current list of names and addresses of all Parties or their successors, as filed herein. Copies of such lists shall be available to any Person." These lists are commonly referred to as Watermaster's "Active Party List." A copy of the list is posted on the Watermaster website and has been included as Appendix A to this annual report. Under the Judgment, any Party that desires to be relieved of receiving notices regarding Watermaster activities can complete the Waiver of Notice and Designation of Address for Notice and Service portion of the form adopted by Watermaster. The Watermaster did not receive any Waiver of Notice requests during its fifth year of operation.

2.3 Watermaster Meetings

The Beaumont Watermaster meets quarterly to transact Watermaster business. In addition to the formal Watermaster Committee meetings, four informal workshops were held in fiscal 2007/08, regarding the potential for cooperative efforts among the Parties and others for use



of the Basin. Informal meetings were held or attended by the Chief of Watermaster Services, members of the Watermaster Committee, the Watermaster Engineer, the Watermaster Legal Counsel, and others, including representatives from the Pass Agency and other potential users of the Basin's storage capacity.

Meetings of the Watermaster Committee were held on:

September 11, 2007

October 23, 2007

January 08, 2008

March 25, 2008

April 8, 2008

April 22, 2008

May 27, 2008

June 10, 2008

Copies of the agendas and approved minutes from each of the above meetings can be viewed or downloaded from the Watermaster website. And, pursuant to Resolution 2008-001, all public records of the Watermaster are open for inspection during office hours, provided that a written request to inspect said records has been submitted to the Chief of Watermaster Services.

2.4 Annual Administrative Budget, Assessments and Expenditures

Under Part VI, Paragraph 6(b) of the Judgment, Watermaster's annual report of operations shall include an accounting and audit of all assessments and expenditures. In fiscal 2007/08, the YVWD continued to serve as the Watermaster Treasurer. A copy of the fiscal 2007/08 audited financial statement has been included as Appendix B to this annual report. This Year End Report contains an itemized list of Watermaster's budget, assessments, and expenditures for fiscal 2007/08. An audit of Watermaster's assessments and expenditures is conducted annually. The letter received regarding the fiscal 2007/08 audit has been included as Appendix C to this report.

2.5 Resolutions

The Watermaster adopted the following resolutions during fiscal 2007/08:

- Resolution 2008-001, entitled *Resolution of the Beaumont Basin Watermaster Establishing a Public Records Act Policy*
- Resolution 2008-002, entitled *Resolution of the Beaumont Basin Watermaster to Adopt the Upper Santa Ana River Watershed Integrated Regional Water Management Plan*

Copies of the adopted resolutions have been included as Appendix D to this report and are available for download from the Watermaster website.



2.6 Rules and Regulations

The original Rules and Regulations of the Watermaster were adopted on June 8, 2004. The rules were adopted with an understanding that modifications would be considered as necessary. The rules have been amended twice; both amendments were made in fiscal 2005/06. No amendments were made to the Rules and Regulations during fiscal 2007/08. The Rules and Regulations are available on the Watermaster website.

2.7 Wells and Standards

The Well Policy that is currently in effect was adopted as Resolution 2004-04, *A Resolution of the Beaumont Basin Watermaster Adopting Minimum Standards for the Construction, Reconstruction, Abandonment and Destruction of Groundwater Extraction Wells*, on July 20, 2004. With Resolution 2004-04, the Watermaster Committee adopted existing Riverside County Ordinance No. 682.3 and expanded it by requiring the installation of a “sounding tube” to facilitate the measurement of water levels on all wells constructed in the Basin after July 20, 2004. No changes were made to the Beaumont Basin Well Policy during fiscal 2007/08.



Section 3 – Administration of the Judgment: Accounting for Production, Recharge, Transfers, and Storage

One of Watermaster's primary responsibilities is to account for the production, recharge, water transfer, and water storage activities of the Parties to the Judgment. The following sections detail the accounting of these activities for fiscal 2007/08.

3.1 Production

Watermaster is responsible for the tracking and accounting of groundwater production by all Appropriator and Overlying Producers named in the Judgment. Beaumont Basin Producers who pump less than 10 acre-ft per year, otherwise known as minimal producers, are exempt from the provisions of the Judgment unless otherwise ordered by the Court (Judgment Part III, Paragraph 4). Accordingly, Watermaster does not collect production information from minimal producers other than those participating in the Judgment. Figure 1 shows the locations of all wells that belong to the Appropriator and Overlying Parties of the Judgment.

3.1.1 Appropriator Production

There are five Appropriative Producers participating in the Judgment: Banning, Beaumont, the BCVWD, the SMWC, and the YVWD. As stated in the Judgment, an Appropriator's annual production right consists of:

- “the Appropriator's share of operating safe yield, plus
 - (1) any water acquired by an Appropriator from an Overlying Producer or other Appropriator pursuant to the Judgment,
 - (2) any water withdrawn from the Appropriator's storage account, and
 - (3) New Yield created by the Appropriator” (Part I, Paragraph 3B).

An Appropriator's annual production right represents the maximum quantity of water said Appropriator can produce from the Basin each year without incurring a replenishment obligation. It includes the Appropriator's share of the temporary surplus (Part I, Paragraph 3M), defined in the Judgment as “the amount of groundwater that can be pumped annually in excess of safe yield from a groundwater basin necessary to create enough additional storage capacity to prevent the waste of water” (Part I, Paragraph 3BB). The temporary surplus in the Basin is decreed to be 160,000 acre-ft and is allocated over the first ten years of the physical solution at 16,000 acre-ft per year (Exhibit C).

Table 1 shows the total monthly and total annual production, the share of operating safe yield, and the amount of unused water that is eligible for storage by each Appropriator for fiscal 2007/08. Note that pursuant to the Judgment (Part I, Paragraph 3B) and a separate agreement on file with the Watermaster, the BCVWD continued to pump water for Banning during fiscal 2007/08. The amount of water pumped and delivered to Banning is also accounted for in Table 1. During fiscal 2007/08, Appropriators pumped a total of 16,587 acre-ft of water. This accounts for about 85% of the total production from the Basin.



3.1.2 Overlying Production

Producers who pump groundwater for overlying uses and are Parties to the Judgment are defined as Overlying Producers. Overlying Producers are assigned a share of the Basin's safe yield and may not use more than five times their share of the safe yield in any five-year period (Part II, Paragraph 1A).

During fiscal 2005/06, the Watermaster engineer reported that several Overlying Producers' wells were not metered or that their meters may not have been working properly. The Watermaster engineer recommended using a water duty method that is routinely used to estimate production in the absence of metered production. The water duty method estimates each Overlying Party's production based on the type of use (indoor, outdoor, and industrial). Watermaster accepted the water duty method and the subsequent production estimates made in fiscal 2005/06, subject to the receipt of more accurate information from the affected Overlying Producers.

As of July 1, 2008, only 6 of the 17 Overlying Producers who are Parties to the Judgment meter and report their monthly groundwater production. During fiscal 2007/08, an updated water duty method was developed by the Watermaster Engineer and used to estimate production for Overlying Producers with un-metered wells. The updated method was also used to update production estimates for each un-metered Overlying Producer in each Watermaster accounting year, dating back to fiscal 2003/04. A detailed description of the updated water duty method has been included as Appendix E to this report. Appendix E also contains revisions made to prior years' reported production for Overlying Producers, including revisions to reported production based on more accurate information received from producers in fiscal 2007/08.

Table 2 shows a summary of annual production, the share of operating safe yield, the five-year production right, and the amount of unused water during the last five year period of accounting for each Overlying Producer. During fiscal 2007/08, Overlying Producers pumped an estimated 2,828 acre-ft of water. This accounts for about 15% of total production from the Basin.

3.2 Five-Year Production Summary

Table 3 shows the annual production summary for each Party since the inception of the Watermaster. The production values reported in Table 3 account for any updates made to prior years' reported production, as discussed in the preceding section. During the five years since the adjudication of the Basin, a total of 83,845 acre-ft of water has been pumped. Of this, 66,873 acre-ft was pumped by Appropriators, and 16,972 acre-ft was pumped by Overlying Producers. The minimum production during the five-year period was 14,927 acre-ft in fiscal 2004/05, and the maximum production was 19,415 acre-ft in fiscal 2007/08. The average across all five years is 16,769 acre-ft.

Beginning in fiscal 2008/09, any water allocated as part of the safe yield to Overlying Producers during the prior five years that remains unused will be reallocated to the Appropriators. The unused water will be reallocated based on each Appropriator's percent



share of the operating safe yield, as shown in Exhibit C of the Judgment, and will have no impact on the legal water right held by the Overlying Parties in subsequent years. The precise accounting rules that describe how this allocation will be achieved were finalized at the September 9, 2008 Watermaster Committee meeting. The first quantities of water reallocated to the Appropriator Parties under this provision of the Judgment will occur on February 4, 2009.

3.3 Recharge

Pursuant to Section 5 of the Watermaster Rules and Regulations, all groundwater recharge activities in the Basin shall be subject to the approval of the Watermaster. At this time, the only Appropriator recharging supplemental water into the Basin is the BCVWD. During fiscal 2007/08, the BCVWD recharged a total of 3,248 acre-ft of State Water Project water, purchased from the Pass Agency. Figure 1 shows the location of the BCVWD recharge facility.

Although the City of Beaumont continues to recharge local waters to the Basin, no demonstrations of the amount of said recharge were provided to the Watermaster during fiscal 2007/08. In fiscal 2008/09, Watermaster will develop rules and regulations regarding the methods required to quantify and credit new local water recharge and new returns from use. Both of these recharge components are included as water supply sources in the Appropriators' Urban Water Management Plans and in Watermaster's annual report of water demands and supplies.

3.4 Water Transfers

Pursuant to Section 7.3 of the Watermaster Rules and Regulations, any Appropriator may transfer all or any portion of its Production Right or Operating Yield that is surplus to its needs to another Appropriator. On January 8, 2008, the SMWC and the BCVWD entered into a long-term water transfer agreement that allows the BCVWD the option to purchase from the SMWC all or any portion of water that is not pumped or designated for storage, termed as "available water." This agreement is effective through February 4, 2014. A copy of the transfer agreement has been included as Appendix E to this report. The first transfer, per the terms of the agreement, was contracted in January 2008; at which time, the BCVWD purchased 2,500 acre-ft of available water from the SMWC.

3.5 Storage Accounting

Pursuant to Section 6.7 of the Watermaster Rules and Regulations, Watermaster shall calculate additions, extractions, and losses of all water stored, and any losses of water supplies or Safe Yield that result from such water stored, and keep and maintain an annual accounting thereof for public record.

The first applications and agreements to store unused appropriator production rights were approved in fiscal 2005/06. During that year, Watermaster approved applications and agreements to store unused rights from the first two years of operations for Banning, the



BCVWD, the SMWC, and the YVWD. The City of Beaumont applied for an account with the Watermaster in fiscal 2006/07. The application was approved in fiscal 2007/08 at the Watermaster's September 11, 2007 meeting. To date, the total amount of storage authorized by Watermaster is 157,000 acre-ft.

Table 4 is a reconciliation of each Appropriator's storage account from fiscal 2003/04 through fiscal 2007/08. The groundwater pumping, supplemental water recharge, local water recharge, and transfer activities discussed in the preceding sections of this report are included in the storage accounting contained in Table 4. At the beginning of fiscal 2007/08, the total volume of water in all storage accounts was 20,176 acre-ft. As of July 1, 2008, the volume of water in all storage accounts was 22,837 acre-ft. No Appropriator or Overlying Party incurred a replenishment obligation in fiscal 2007/08.

3.6 Change in Groundwater Levels in the Beaumont Basin

Figure 2 shows the change in groundwater levels observed at 12 wells in the Basin since the Beaumont Basin physical solution was implemented. Figure 3 shows the locations of these wells. During the five years since the adjudication, groundwater levels have declined an average of about 23 feet across the Basin. Water level declines in the western end of the basin averaged about 17 feet while declines in the eastern end of the basin averaged about 30 feet. The greatest groundwater level decline was observed at BCVWD Well 02, which has declined about 60 feet since the fall of 2003; this decline is localized to this well and there are some technical challenges with groundwater level at this well.



Section 4 – References

Superior Court of the State of California for the County of Riverside. (2004). *Judgment Pursuant to Stipulation Adjudicating Groundwater Rights in the Beaumont Basin*. Gary Tranbarger, Judge of the Superior Court. Case No. RIC 389197, February 4, 2004.

Wildermuth Environmental, Inc. (2002). *San Timoteo Watershed Management Program, Final Phase 1 Report*.

Wildermuth Environmental, Inc. (2005). *Integrated Regional Water Management Program for the San Timoteo Watershed*.



Table 1
Appropriator Producer Summary of Production for Fiscal Year 2007/08
(acre-ft)

Well Name	Water Production Reported by Appropriator Producers ¹												Total Production	Share of Operating Safe Yield	Water Eligible for Storage
	July	August	September	October	November	December	January	February	March	April	May	June			
Banning, City of															
Well C2-A	86.2	87.9	58.6	20.3	0.4	2.2	0.2	0.4	42.0	83.7	39.5	2.6	424.0		
Well C3	80.6	74.3	47.8	100.2	59.0	11.4	42.4	16.4	88.9	69.6	62.9	105.0	758.5		
Well C4	100.8	98.7	106.3	99.9	17.5	2.1	5.0	13.6	1.6	10.6	42.3	88.3	586.7		
Well M3	115.2	113.9	104.1	64.8	108.9	52.0	66.6	69.7	84.9	67.6	100.6	101.9	1,050.2		
Well M9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Production from BCVWD ²	43.0	56.0	55.0	62.0	63.0	65.0	64.0	59.0	62.0	59.0	60.0	57.0	705.0		
Subtotal	425.8	430.8	371.8	347.2	248.8	132.7	178.2	159.1	279.4	290.5	305.3	354.8	3,524.4	5,029	1,504.6
Beaumont-Cherry Valley Water District															
Well 1	134.9	179.8	212.5	128.5	101.6	55.9	53.7	17.0	40.6	78.3	102.5	111.7	1,217.0		
Well 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well 3	154.1	205.6	270.5	176.5	55.4	0.0	41.6	26.6	69.0	117.7	117.6	161.2	1,395.8		
Well 16	68.4	103.8	117.6	14.7	1.5	12.6	8.6	25.7	18.2	24.1	27.4	71.9	494.5		
Well 21	215.5	306.3	392.5	285.0	205.2	126.2	197.9	154.5	212.6	216.0	212.4	204.6	2,728.7		
Well 22	125.4	161.7	197.8	92.3	59.3	23.5	2.4	49.8	83.2	94.0	111.8	133.1	1,134.3		
Well 23	272.4	419.4	523.9	314.2	257.5	84.6	51.1	3.1	142.7	200.2	260.7	277.9	2,807.7		
Well 24	130.1	274.6	360.7	282.1	166.6	88.9	143.3	121.3	140.4	207.9	214.5	226.1	2,356.5		
Production for Banning ²	-43.0	-56.0	-55.0	-62.0	-63.0	-65.0	-64.0	-59.0	-62.0	-59.0	-60.0	-57.0	-705.0		
Subtotal	1,057.8	1,595.2	2,020.5	1,231.3	784.1	326.7	434.6	339.0	644.7	879.2	986.9	1,129.5	11,429.5	6,802	0.0
South Mesa Water Company															
3rd No. 4 Well	82.1	76.6	60.1	58.7	55.3	16.1	19.3	26.1	34.3	38.1	59.3	50.9	576.9		
Subtotal	82.1	76.6	60.1	58.7	55.3	16.1	19.3	26.1	34.3	38.1	59.3	50.9	576.9	1,996	1,419.1
Yucaipa Valley Water District															
Well 35	39.0	28.0	5.5	8.3	0.5	0.7	0.6	0.2	0.0	0.0	0.0	0.0	82.8		
Well 48	232.4	183.3	126.7	132.5	47.4	19.4	16.9	4.6	1.8	18.5	58.2	122.1	963.9		
Subtotal	271.4	211.3	132.2	140.8	47.9	20.1	17.5	4.8	1.8	18.5	58.2	122.1	1,046.6	2,173	1,126.4
Total Production	1,837	2,314	2,585	1,778	1,136	496	650	529	960	1,226	1,410	1,657	16,577	16,000	4,050

1 -- All values are rounded and subject to revision based on receipt of more accurate information

2 -- Pursuant to Part I, Paragraph 3 B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster).

Table 2
Overlying Producer Summary of Production for Fiscal Year 2007/08
(acre-ft)

Well Name	Metered ²	Water Production by Overlying Producers ¹												Total Production	Overlying Water Right	Five-Year Production Right	Five-Year Total Production	Unused Overlying Allocation
		July	August	September	October	November	December	January	February	March	April	May	June					
Beckman, Walter M.	Yes	0.5	0.9	2.2	1.5	1.0	0.3	0.2	0.3	0.4	1.4	0.7	1.7	11.1	75.0	375.0	77.9	297.1
California Oak Valley Golf and Resort LLC																		
Oak Valley #1	Yes	0.0	0.0	26.0	41.0	58.0	20.0	8.0	15.0	45.0	87.0	52.0	96.0	448.0				
OVGC Comfort Stn	Yes	89.0	109.0	90.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	330.0				
Subtotal		89.0	109.0	116.0	83.0	58.0	20.0	8.0	15.0	45.0	87.0	52.0	96.0	778.0	950.0	4,750.0	4,247.3	502.7
Merlin Properties	No													1.6	550.0	2,750.0	8.0	2,742.0
Oak Valley Partners, LP ³																		
Singleton Ranch #5	No													300.0				
Singleton Ranch #7	Yes	0.6	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.8				
Irrigation Stokes	No													10.0				
Subtotal														311.8	1,806.0	9,030.0	2,001.3	7,028.7
Plantation on the Lake LLC	Yes	44.4	39.1	45.6	30.9	2.2	28.8	15.8	18.2	17.7	23.5	30.7	35.4	332.3	581.0	2,905.0	1,665.4	1,239.6
Rancho Calimesa Mobile Home Park	No													69.3	150.0	750.0	343.5	406.5
Roman Catholic Bishop of San Bernardino	No													0.7	154.0	770.0	172.8	597.2
Sharondale Mesa Owners Association																		
Well No.1	Yes	15.0	26.8	12.4	2.9	13.2	4.3	0.2	5.7	5.2	9.8	17.6	0.0	113.0				
Well No.2	Yes	6.0	0.0	7.0	14.0	0.0	0.0	3.0	0.0	4.0	3.0	0.0	21.0	58.0				
Subtotal		21.0	26.8	19.4	16.9	13.2	4.3	3.2	5.7	9.2	12.8	17.6	21.0	171.0	200.0	1,000.0	883.6	116.4
So Calif Section of the PGA of America																		
Well A	Yes	0.4	1.2	3.0	3.0	0.7	1.2	1.0	1.4	2.1	1.6	2.0	1.9	19.3				
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Well D	Yes	163.0	149.0	133.0	98.9	72.7	33.0	19.1	21.4	78.8	91.0	134.1	128.8	1,122.9				
Subtotal		163.4	150.2	136.0	101.8	73.4	34.2	20.1	22.8	80.9	92.6	136.1	130.6	1,142.1	2,200.0	11,000.0	7,061.2	3,938.8
Stearns, Leonard M. and Dorothy D.	No													1.1	200.0	1,000.0	5.5	994.5
Sunny-Cal Egg and Poultry Company	No													2.7	1,439.5	7,197.5	800.5	6,397.0
Sunny-Cal North - Manheim, Manheim & Berman	No													2.3	300.0	1,500.0	17.3	1,482.7
Nikodinov, Nick	No													0.7	20.0	100.0	2.2	97.9
McAmis, Ronald L.	No													0.6	5.0	25.0	1.7	23.4
Aldama, Nicolas and Amalia	No													0.8	7.0	35.0	2.4	32.6
Gutierrez, Hector and Luis and Sebastian Monroy	No													1.4	10.0	50.0	4.1	45.9
Darmont, Boris and Miriam	No													0.4	2.5	12.5	1.1	11.5
														2,827.9	8,650.0	43,250.0	17,295.5	25,954.5

1 -- All values rounded and subject to revision based on receipt of more accurate information
2 -- Total production is estimated for Overlayers with un-metered wells. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations.
3 -- Production values for Singleton Ranch #5 and Irrigation Stokes wells are estimated by Oak Valley Partners

Table 3
Five-Year Production Summary for all Beaumont Basin Parties -- Fiscal Years 2003/04 through 2007/08
(acre-ft)

	Annual Production					Total Production
	2003/04	2004/05	2005/06	2006/07	2007/08	
Appropriator Parties						
Banning, City of	3,951.2	2,420.3	1,767.8	2,046.1	3,524.4	13,709.9
Beaumont-Cherry Valley Water District	6,204.3	6,386.0	7,624.9	10,455.5	11,429.5	42,100.2
South Mesa Water Company	419.8	558.0	632.4	691.4	576.9	2,878.6
Yucaipa Valley Water District	2,005.1	1,284.5	1,529.7	2,308.7	1,046.6	8,174.5
Subtotal	12,580.4	10,648.8	11,554.8	15,501.7	16,577.4	66,863.2
Overlying Parties						
Beckman, Walter M. ¹	22.0	21.3	14.2	9.3	11.1	77.9
California Oak Valley Golf and Resort LLC	1,227.4	635.0	839.0	767.9	778.0	4,247.3
Merlin Properties ²	1.6	1.6	1.6	1.6	1.6	8.0
Oak Valley Partners, LP	502.7	399.8	475.7	311.2	311.8	2,001.3
Plantation on the Lake LLC	321.4	312.7	326.8	372.2	332.3	1,665.4
Rancho Calimesa Mobile Home Park ²	68.3	68.3	68.3	69.3	69.3	343.5
Roman Catholic Bishop of San Bernardino ²	59.2	56.0	56.2	0.7	0.7	172.8
Sharondale Mesa Owners Association	169.1	162.8	185.8	194.8	171.0	883.6
So Calif Section of the Professional Golfer's Association of America	1,401.0	1,369.0	1,385.0	1,764.1	1,142.1	7,061.2
Stearns, Leonard M. and Dorothy D. ²	1.1	1.1	1.1	1.1	1.1	5.5
Sunny-Cal Egg and Poultry Company ²	405.0	387.6	2.5	2.7	2.7	800.5
Sunny-Cal North - Manheim, Manheim & Berman ²	--	--	12.6	2.4	2.3	17.3
Nikodinov, Nick ²	--	--	0.7	0.8	0.7	2.2
McAmis, Ronald L. ²	--	--	0.5	0.6	0.6	1.7
Aldama, Nicolas and Amalia ²	--	--	0.8	0.9	0.8	2.4
Gutierrez, Hector, Luis Gutierrez and Sebastian Monroy ²	--	--	1.3	1.4	1.4	4.1
Darmont, Boris and Miriam ²	--	--	0.4	0.4	0.4	1.1
Subtotal	4,178.9	3,415.2	3,372.3	3,501.3	2,827.9	17,295.5
Total	16,759.3	14,064.0	14,927.2	19,002.9	19,405.3	84,158.7

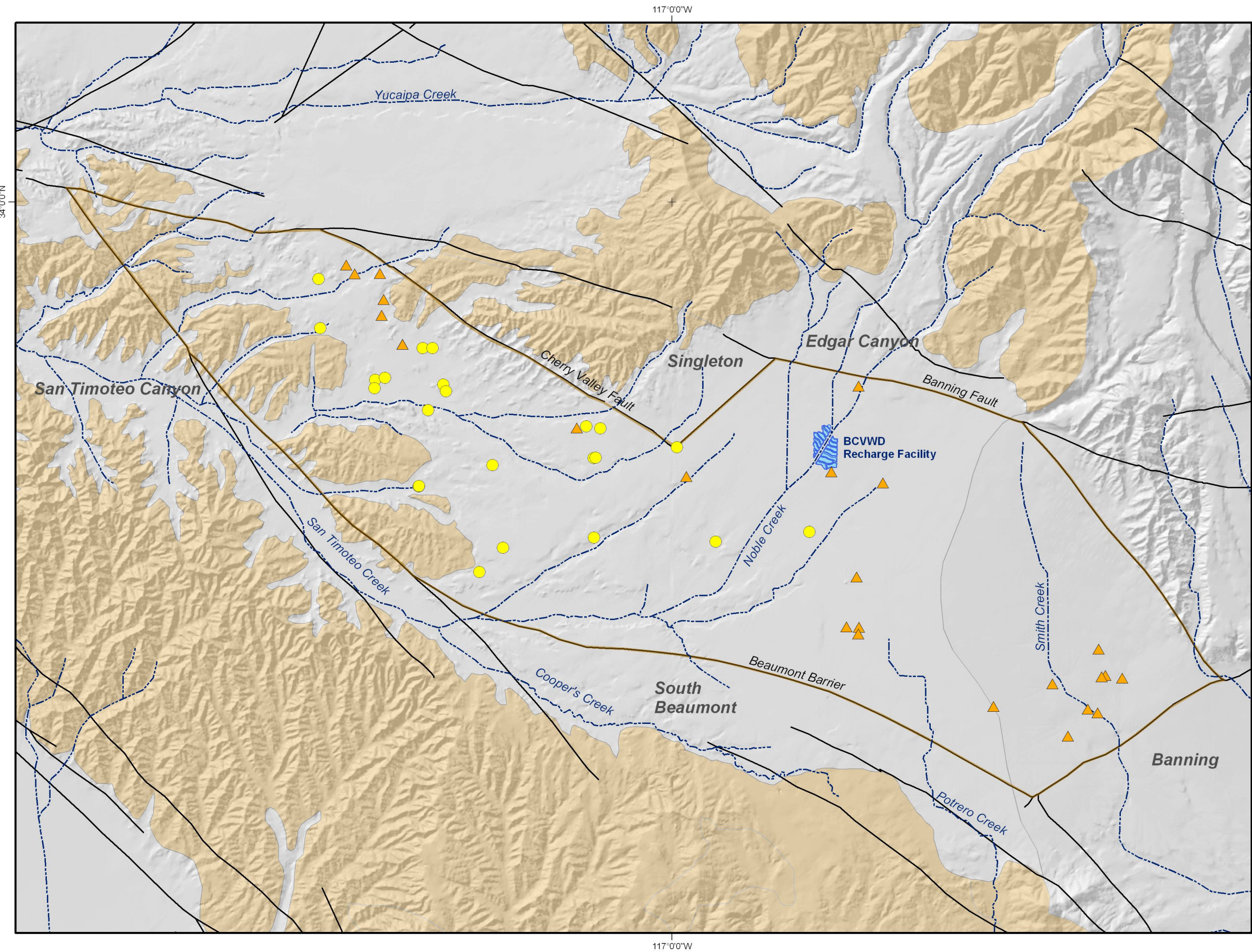
1 -- Production estimated in 03/04, 04/05, and part of 05/06. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations.

2 -- Production estimated in all years. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations.

Table 4
Reconciliation of Appropriator Production and Storage Accounts -- Fiscal Years 2003/04 through 2007/08
(acre-ft)

Fiscal Year	Storage Account Balance at Beginning of Fiscal Year	Operating Yield	Groundwater Production for Fiscal Year	Additions to Storage Account						Ending Account Balance	Authorized Storage Account as of June 30, 2008
				Under Production ¹	Transfers Among Appropriators	Supplemental Water		Local Recharge	Total Additions to Storage Account		
						SWP Water Recharge	Recycled Water Recharge				
Beaumont Cherry Valley Water District											
2003/04	0	6,802	6,204	598	0	0	0	0	598	598	
2004/05	598	6,802	6,386	416	0	0	0	0	416	1,014	
2005/06	1,014	6,802	7,625	-823	0	0	0	0	-823	191	
2006/07 ²	191	6,802	10,455	-3,653	1,500	6,462	0	0	4,309	4,499	
2007/08 ³	4,499	6,802	11,429	-4,627	2,500	3,248	0	0	1,121	5,620	70,000
City of Banning											
2003/04	0	5,029	3,951	1,078	0	0	0	0	1,078	1,078	
2004/05	1,078	5,029	2,420	2,609	0	0	0	0	2,609	3,686	
2005/06	3,686	5,029	1,768	3,261	0	0	0	0	3,261	6,948	
2006/07 ²	6,948	5,029	2,046	2,983	1,500	0	0	0	4,483	11,431	
2007/08	11,431	5,029	3,524	1,505	0	0	0	0	1,505	12,935	40,000
City of Beaumont											
2003/04	0	0	0	0	0	0	0	0	0	0	
2004/05	0	0	0	0	0	0	0	0	0	0	
2005/06	0	0	0	0	0	0	0	0	0	0	
2006/07	0	0	0	0	0	0	0	0	0	0	
2007/08	0	0	0	0	0	0	0	0	0	0	22,000
South Mesa Water Company											
2003/04	0	1,996	420	1,576	0	0	0	0	1,576	1,576	
2004/05	1,576	1,996	558	1,438	0	0	0	0	1,438	3,014	
2005/06	3,014	1,996	632	1,364	0	0	0	0	1,364	4,378	
2006/07 ²	4,378	1,996	691	1,305	-3,000	0	0	0	-1,695	2,682	
2007/08 ³	2,682	1,996	577	1,419	-2,500	0	0	0	-1,081	1,601	20,000
Yucaipa Valley Water District											
2003/04	0	2,173	2,005	168	0	0	0	0	168	168	
2004/05	168	2,173	1,284	889	0	0	0	0	889	1,056	
2005/06	1,056	2,173	1,530	643	0	0	0	0	643	1,700	
2006/07	1,700	2,173	2,309	-136	0	0	0	0	-136	1,564	
2007/08	1,564	2,173	1,047	1,126	0	0	0	0	1,126	2,691	5,000
Totals											
2003/04	0	16,000	12,580	3,420	0	0	0	0	3,420	3,420	
2004/05	3,420	16,000	10,649	5,351	0	0	0	0	5,351	8,771	
2005/06	8,771	16,000	11,555	4,445	0	0	0	0	4,445	13,216	
2006/07	13,216	16,000	15,502	498	0	6,462	0	0	6,960	20,176	
2007/08	20,176	16,000	16,577	-577	0	3,248	0	0	2,671	22,847	157,000

1 -- negative values of under production indicate that the appropriator pumped more than its share of the operating yield.
2 -- water in SMWC storage account was sold to Banning and BCVWD. Transfer agreement on file with the Watermaster
3 -- water in SMWC storage account was sold to BCVWD. Transfer agreement on file with the Watermaster



Main Map Features

- ▲ Appropriator Party Wells
- Overlying Party Wells
- Beaumont Basin Adjudicated Boundary

Other Features

- ~ Rivers and Streams
- Faults

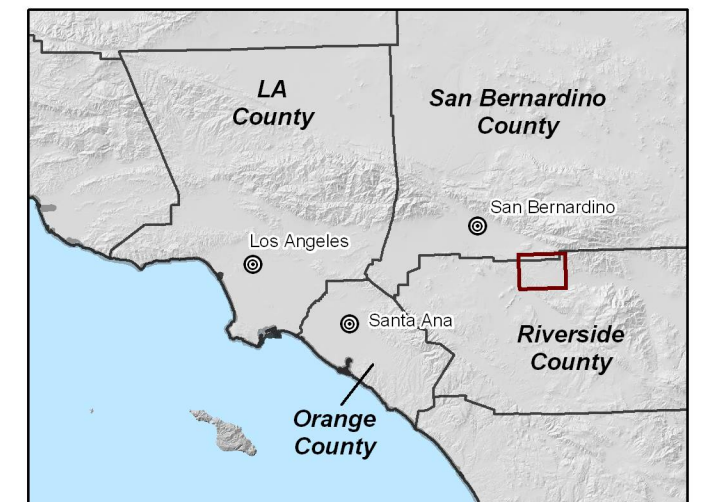
Geology

Unconsolidated Sediments

- Quaternary Alluvium

Semi-Consolidated Sediments & Consolidated Bedrock

- Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

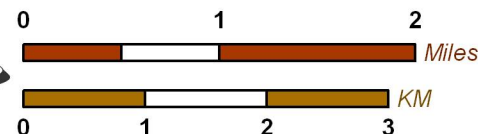


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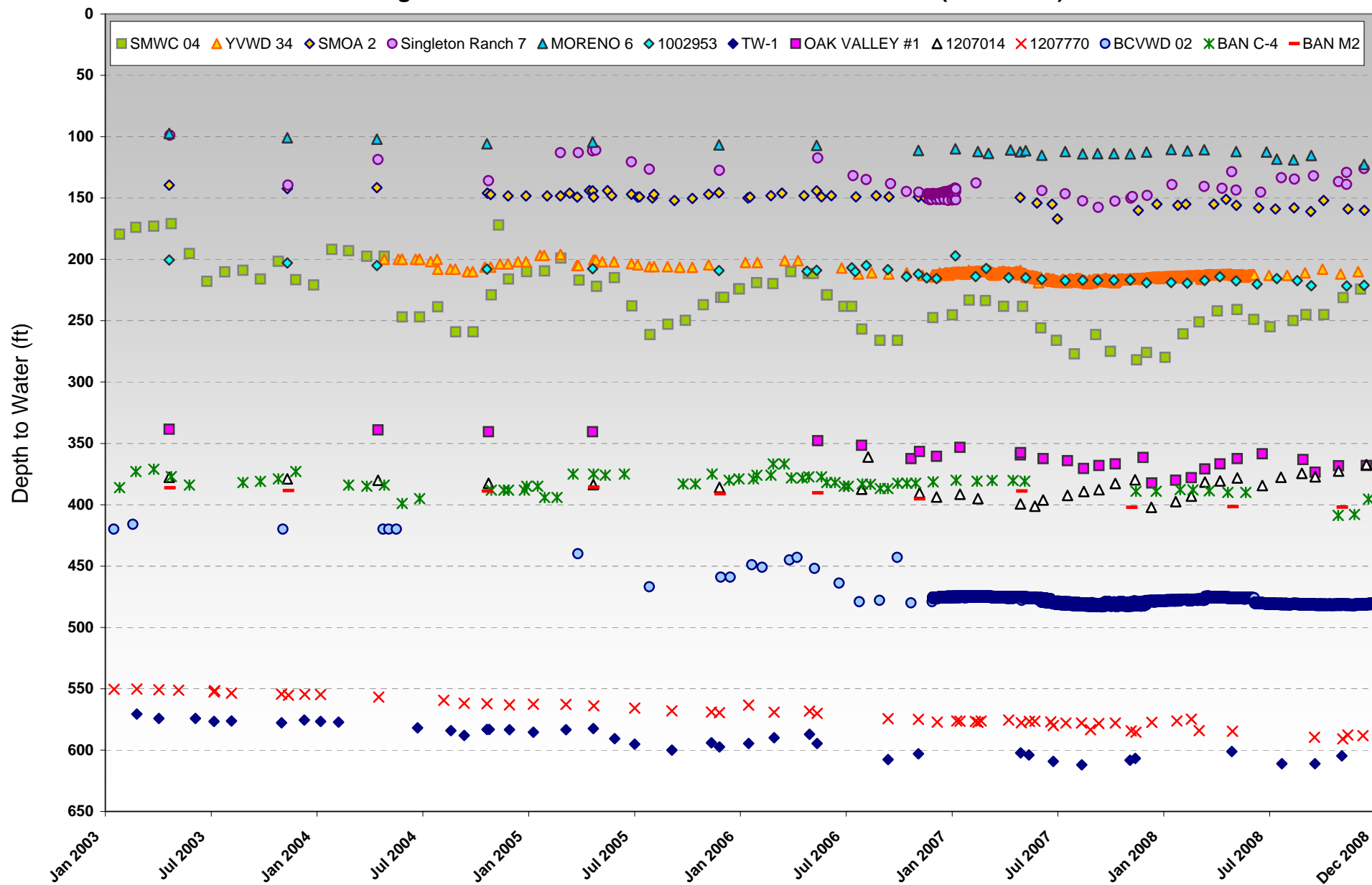


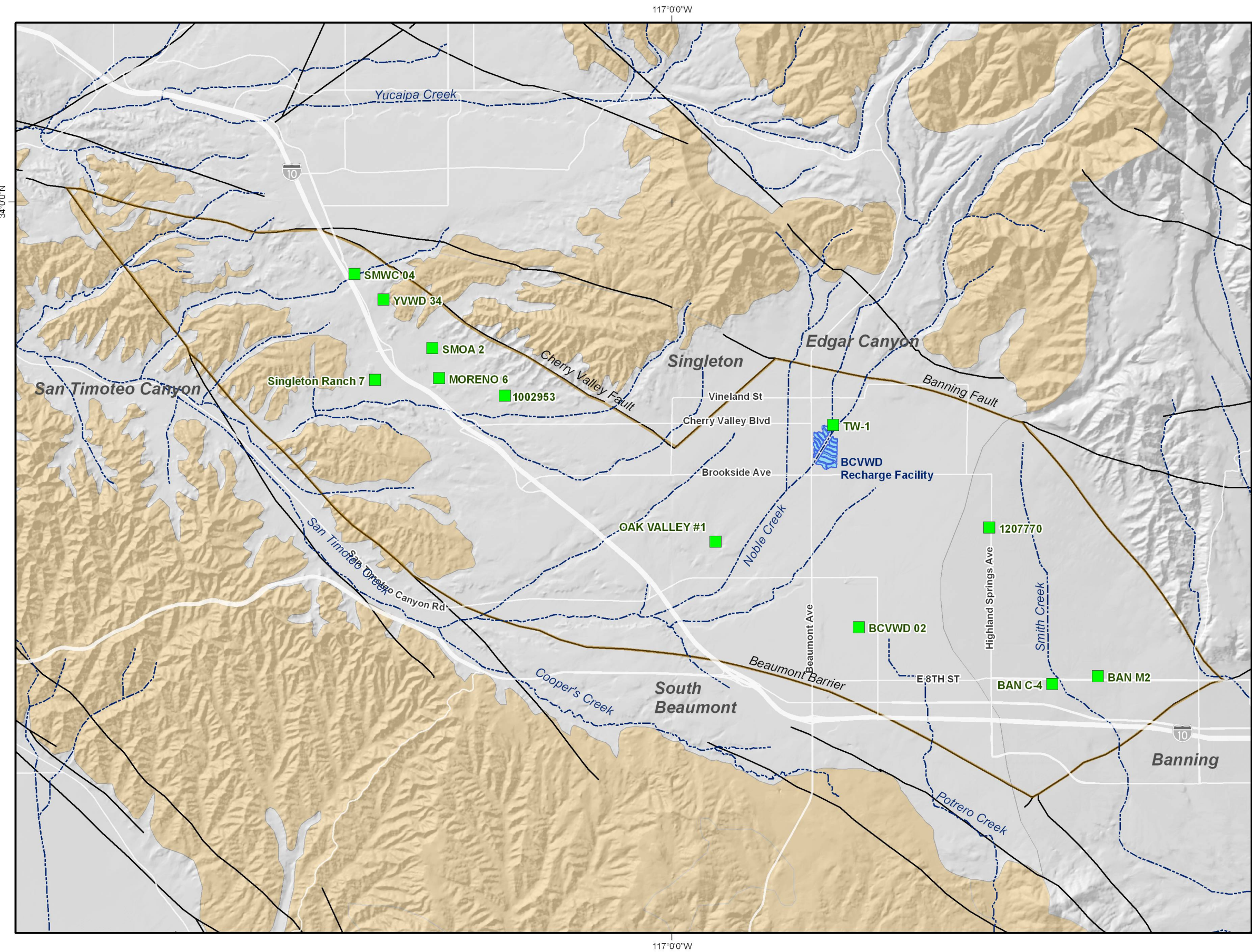
Beaumont Basin Watermaster
Fifth Annual Report -- FY 2007/08

**Location Map of Wells
in the Beaumont Basin**

Figure 1

Figure 2
Change in Groundwater Levels in the Beaumont Basin (2003-2008)





- Main Map Features**
- Appropriator Party Wells
 - Beaumont Basin Adjudicated Boundary
- Other Features**
- Rivers and Streams
 - Faults
- Geology**
- Unconsolidated Sediments*
- Quaternary Alluvium
- Semi-Consolidated Sediments & Consolidated Bedrock*
- Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks

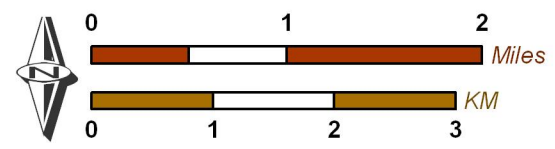


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Location Map of Wells used for the Water Level Change Analysis

Figure 3

Appendix A

Active Party List

**Active &
Interested Party
List**

Jim Earhart
Public Works Director/Assistant City
Manager
City of Banning
Post Office Box 998
Banning, CA 92220

Mr. Chuck Butcher
General Manager
Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

Mr. Joseph Zoba
General Manager
Yucaipa Valley Water District
Post Office Box 730
Yucaipa, CA 92399

Mr. George Jorritsma
General Manager
South Mesa Mutual Water Company
Post Office Box 458
Calimesa, CA 92320

Mr. J. Andrew Schlange
General Manager
San Timoteo Watershed Management
Authority
4 Crown Court
Rancho Mirage, CA 92270

Mr. Dave Dillon
Mr. Dee Moorjani
Urban Logic Consultants
43517 Ridge Park Drive, Suite 200
Temecula, CA 92590

Mr. Gil Granito, Esq.
Redwine and Sherrill
1950 Market Street
Riverside, Ca 9250

Mr. James Krueger
Plantation on the Lake
PO Box 1960,
Newport Beach, CA 92658-8932
jimk@mrc1.com

Mr. Robert Hawkins, Esq.
110 Newport Center Dr., Ste. 200
Newport Beach, CA 92660

Ira Pace
Sharondale Mesa Owners Association
9525 Sharon Way
Calimesa, CA 92320
rbnjp@msn.com

Mr. Ron Sullivan
California Oak Valley Golf & Resort LLC
27710 Jefferson Ave #301
Temecula, CA 92590

Mark Knorrington
Oak Valley Partners LP
Post Office Box 645
Calimesa, CA 92320

Mr. Paul Singarella, Esq.
Latham & Watkins, LLP
650 Town Center Drive, 20th Floor
Costa Mesa, CA 92626-1925

Mr. Roger Billings
So Cal Professional Golfers Association of
America
36211 Champions Drive
Calimesa, CA 92320

Mr. Greg Wilkinson, Esq.
Best, Best & Krieger
3750 University Avenue, Suite 400
Riverside, CA 92501

Mr. Steve Anderson, Esq.
Manheim, Manheim & Berman and Sunny
Cal Egg and Poultry Company
Best, Best & Krieger
3750 University Avenue, Suite 400
Riverside, CA 92501

Mr. Walter M. Beckman
38201 Cherry Valley Boulevard
Cherry Valley, CA 92223

Mr. Fred Reidman and Mr. Richard
Reidman
Merlin Properties, LLC
6475 East Pacific Coast Highway, No. 399
Long Beach, CA 90803
riedman@gte.net

Mr. Leonard Stearns
Post Office Box 141
Calimesa, CA 92320

Mr. Randy Van Gelder
San Bernardino Valley Municipal Water
District
1350 South "E" Street
San Bernardino, CA 92412-5906

Mr. Robert Reiter
San Bernardino Valley Municipal Water
District
1350 South E Street
San Bernardino, CA 92412-5906

Mr. Jeff Davis
General Manager
San Gorgonio Pass Water Agency
1210 Beaumont, Avenue
Beaumont, CA 92223

Mr. Mark J. Wildermuth
Chairman
Wildermuth Environmental, Inc.
23692 Birtcher Drive
Lake Forest, CA 92630-1790

Ms. Maria Mendoza
Wildermuth Environmental, Inc.
23692 Birtcher Drive
Lake Forest, CA 92630-1790

Mr. Joe Aklufi, Esq.
Aklufi and Wysocki
3403 Tenth Street, Suite 610
Riverside, CA 92501

Ms. Barbara Voigt
Director
San Gorgonio Pass Water Agency
1210 Beaumont Ave
Beaumont, CA 92223

Mr. Dick Larsen
Director
San Gorgonio Pass Water Agency
1210 Beaumont Ave
Beaumont, CA 92223

Mr. Ray Morris
Board President
San Gorgonio Pass Water Agency
1210 Beaumont Ave
Beaumont, CA 92223

Mr. Ray Lewis
Director
San Gorgonio Pass Water Agency
1210 Beaumont Ave
Beaumont, CA 92223

Ms. Patsy Reeley
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Cherry Valley, CA 92223

Ms. Luwana Ryan
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Robert C. Newman
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Anthony Lara
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bcvwdos@hotmail.com

Blanca Marin
Executive Assistant
Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223
Blanca.marin@bcvwd.org

Appendix B

FY 2007/08 Budget and Expenses

BEAUMONT BASIN WATERMASTER

Auditors' Report And Financial Statements

*For the Year Ended
June 30, 2008*

SIEBERT BOTKIN HICKEY & ASSOCIATES, LLP
Certified Public Accountants

Beaumont Basin Watermaster

Statement of Net Assets

As of June 30, 2008

ASSETS

CURRENT ASSETS

Cash and Cash Equivalents	\$ 43,632
Total Assets	<u>\$ 43,632</u>

LIABILITIES and NET ASSETS

NET ASSETS

Unrestricted	<u>\$ 43,632</u>
--------------	------------------

See Auditors' Report

The Notes to Financial Statements Are An Integral Part of This Statement

Beaumont Basin Watermaster

Statement of Activities

For the Year Ended June 30, 2008

REVENUES

Member Agency Contributions	
City of Beaumont	\$ 76,142
Beaumont Cherry Valley Water District	76,142
Yucaipa Valley Water District	58,875
City of Banning	76,142
South Mesa Water Company	39,500
Interest Revenue	10
Total Revenues	<u>326,811</u>

EXPENSES

Administrative Expenses	
Chief of Watermaster Services	51,000
Meetings and Miscellaneous	5,000
Acquisition and Computation of Production Data/Annual Report	17,290
General Engineering	25,345
Groundwater Level Water Monitoring Program	25,000
Update of Water Demand and Supply Projections	10,000
Legal and Professional	18,300
Special Project Expenses	
Conjunctive Use Marketing	10,000
Salt Mitigation Fee Implementation	30,000
Regional Resource Optimization Scoping Work	100,000
San Timoteo Watershed Management Authority PC1 Group B	64,300
Total Expenses	<u>356,235</u>
Change in Net Assets	(29,424)
Unrestricted Net Assets, Beginning of Year	73,056
Unrestricted Net Assets, End of Year	<u>\$ 43,632</u>

See Auditors' Report

The Notes to Financial Statements Are An Integral Part of This Statement

Beaumont Basin Watermaster

Statement of Cash Flows

For the Year Ended June 30, 2008

Cash Flows From Operating Activities:

Cash Received from Members	\$ 361,801
Cash Paid to Vendors for Services and Supplies	(400,686)
Net Cash Used By Operations	<u>(38,885)</u>

Cash Flows From Investing Activities:

Interest Earned on Operating Funds	<u>10</u>
Net Cash Provided by Investing Activities	<u>10</u>

Net Increase (Decrease) in Cash	(38,875)
Cash and Cash Equivalents at Beginning of Year	<u>82,507</u>
Cash and Cash Equivalents at End of Year	<u><u>\$ 43,632</u></u>

See Auditors' Report

The Notes to Financial Statements Are An Integral Part of This Statement

Beaumont Basin Watermaster

Notes to Financial Statements

For the Year Ended June 30, 2008

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

Description of Operations:

The Beaumont Basin Watermaster is the entity charged with administering adjudicated water rights and managing groundwater resources within the Beaumont Groundwater Basin. It was created on February 4, 2004 by a Judgment entered in the Superior Court of the State of California for the County of Riverside (Case No. RIC 389197). Pursuant to the Judgment, the Watermaster Committee is comprised of representatives from the City of Banning, the City of Beaumont, the Beaumont-Cherry Valley Water District, the South Mesa Mutual Water Company, and the Yucaipa Valley Water District.

The Watermaster's area of jurisdiction, which is also known as the adjudicated boundary, overlies a portion of the Santa Ana River Watershed. San Timoteo Creek, which is a tributary to the Santa Ana River, is one of the major surface streams traversing the area as well as portions of Little San Geronio Creek and Noble Creek.

Basis of Presentation:

The Beaumont Basin Watermaster's financial statements have been prepared in accordance with Accounting Principles Generally Accepted in the United States of America (GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles.

The Watermaster is considered a single activity special-purpose government. A single proprietary fund is used to report all of the Watermaster's financial activities.

Financial reporting is based upon all Governmental Accounting Standards Board (GASB) pronouncements, as well as the Financial Accounting Standards Board Statements and Interpretations, Accounting Principles Board Opinions, and Accounting Research Bulletins that were issued on or before November 30, 1989 that do not conflict with or contradict GASB pronouncements. FASB pronouncements issued after November 30, 1989 are not followed in the preparation of the accompanying financial statements.

Basis of Accounting:

The Beaumont Basin Watermaster uses the accrual method of accounting for financial statement reporting purposes. Under the accrual method revenues are recognized when they are earned, and expenses are recognized when they are incurred.

Reporting Entity:

The Watermaster has defined its reporting entity in accordance with GASB Statement No. 14, "The Financial Reporting Entity," which provides guidance for determining which governmental activities, organizations, and functions should be included in its reporting entity. The Watermaster's reporting entity includes all significant operation and revenue sources for which the Watermaster Committee exercises oversight responsibility as determined under the criteria established by the National Council on Governmental Accounting Statement No. 3, as adopted by FASB. Oversight responsibility is determined on the basis of selection of the governing board, designation of management, ability to significantly influence operations, accountability for fiscal matters, and the scope of public service.

Income Taxes

The Watermaster is exempt from federal income and state franchise taxes.

Cash and Cash Equivalents:

For purposes of the statement of cash flows, cash equivalents includes time deposits, certificates of deposit, and all highly liquid debt instruments with original maturities of three months or less. The Watermaster maintains bank accounts at financial institutions located within the State of California.

Beaumont Basin Watermaster

Notes to Financial Statements

For the Year Ended June 30, 2008

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued):

Net Assets/Fund Equity

The financial statements are presented using the net asset method. Net assets are categorized as invested capital assets (net of related debt), restricted and unrestricted. The Watermaster reports only unrestricted net assets.

- Unrestricted Net Assets – This category represents net assets of the Watermaster not restricted for any project or other purpose.

NOTE 2 – CASH AND INVESTMENTS:

California law requires banks and savings and loan institutions to pledge government securities with a market value of 110% of the Watermaster's cash on deposits or first trust deed mortgage notes with a value of 150% of the deposit as collateral for all public agency deposits. Under California law this collateral remains with the institution but is held in the Watermaster's name and places the Watermaster ahead of general creditors of the institution.

The Watermaster's cash balances of \$43,632 at June 30, 2008 are held in FDIC insured demand deposit accounts.

The Watermaster's Investment Policy and the California Government Code allow the District to invest in a variety of investment types, provided the credit ratings of the issuers are acceptable to the Watermaster Committee. The following also identifies certain provisions of the Watermaster's Investment Policy and California Government Code that address interest rate risk, credit risk, and concentration of credit risk.

Authorized Investment Type	Maximum Maturity	Minimum Credit Quality	Maximum Percentage of Portfolio	Maximum Investment In One Issuer
U.S. Treasury Obligation	5 years	N/A	100%	No Limit
U.S. Agency Securities	5 years	N/A	100%	No Limit
Bankers Acceptances	180 days	N/A	40%	30%
Commercial Paper	270 days	A-I	25%	10%
Negotiable Certificates of Deposit	5 years	N/A	30%	No Limit
Repurchase Agreements	1 year	N/A	100%	No Limit
Reverse Repurchase Agreements	92 days	N/A	20%	No Limit
Demand Deposits	N/A	Highest Category	20%	10%
Medium Term Notes	5 years	A	30%	No Limit
Money Market Mutual Funds	N/A	Highest Category	20%	10%
Asset-Backed Securities	5 years	AA	20%	No Limit
State of California Obligations	5 years	N/A	100%	No Limit
Local Agency Investment Fund	N/A	N/A	\$40 million account	No Limit

Interest Rate Risk, Credit Risk, and Concentration of Credit Risk

Interest rate risk is the risk that changes in market rates will adversely affect the fair value of an investment. Generally, the longer the maturity the more sensitive the investment is to market fluctuations. Credit risk is measured by nationally recognized statistical agencies such as Standard & Poor's. Credit risk is simply the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. Concentration of credit risk measures the extent to which the Watermaster's investments are invested in a single issuer. Since the Watermaster's does not have investments and the cash balances are fully insured, the Watermaster is not exposed to interest rate risk, credit risk, or concentration of credit risk.

Appendix C

FY 2007/08 Audit Letter



***Siebert Botkin Hickey
& Associates, LLP***

**Watermaster Committee
Beaumont Basin Watermaster
Yucaipa, CA 92399**

Independent Auditors' Report

We have audited the accompanying basic financial statements of the Beaumont Basin Watermaster, as of and for the year ended June 30, 2008. These financial statements are the responsibility of the management of Beaumont Basin Watermaster. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Beaumont Basin Watermaster, as of June 30, 2008, and the changes in financial position and cash flows for the year then ended in conformity with accounting principles generally accepted in the United States of America.

The Beaumont Basin Watermaster has not presented the management's discussion and analysis that accounting principles generally accepted in the United States of America require to supplement, although not to be a part of, the basic financial statements.

SIEBERT BOTKIN HICKEY & ASSOCIATES, LLP

February 20, 2009

Appendix D

FY 2007/08 Resolutions

RESOLUTION 2008-001

RESOLUTION OF THE BEAUMONT BASIN WATERMASTER ESTABLISHING A PUBLIC RECORDS ACT POLICY

Section 1: Public Access

Public records are open to inspection at all times during regular office hours. The office hours of the Watermaster are from 9:00 a.m. to 4:00 p.m., Monday through Friday, except state and federal holidays.

Section 2: Request in Writing

Request to inspect public records should be directed to:

J. Andrew Schlange
Chief of Watermaster Services
Beaumont Basin Watermaster
C/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

Section 3: Response to Request

Within 10 calendar days from the receipt of a written request for public records, the Watermaster's contact person or his designee will respond to the requester by letter, stating whether the Watermaster will comply with the request. In unusual circumstances, the time limit prescribed may be extended by up to 10 additional business days by written notice from the Watermaster setting forth the reasons for the extension and the date upon which a determination is expected to be mailed.

"Unusual Circumstances" means (a) the need to search for and collect the records from other offices; or (b) the request seeks voluminous records or (c) the need to consult with another agency having a substantial interest in the subject matter of the request.

If the Watermaster decides that certain information will not be disclosed, written notification will be provided to the requester stating the reasons for the decision, accompanied by the name and title of the person making the decision. The Watermaster shall justify withholding any record by showing that the record in question is exempt under an express provision of the California Public Records Act, or that, under the facts of a particular case, the public interest served by not making the record public clearly outweighs the public interest served by disclosure of the record.

Section 4: Copy Charge

Copies of any specifically-described and identified public record not exempt from disclosure will be made for a charge of 25 cents per page, 11" x 14" or smaller, black and

white. Larger documents (e.g. maps) and color documents will be reproduced at actual cost.

Recordings of public meetings, whether by tape or compact disk recording, are made only for the convenience of the Secretary in preparing the Official Minutes of the meetings. Such recordings are not maintained and are disposed of as soon as the minutes have been approved. The Watermaster does not have an in-house capability of reproducing such recordings. As a courtesy, the Watermaster will arrange for the preparation of a duplicate recording, at the actual cost thereof. A written request for a duplicate recording shall be accompanied by a fee of \$25.00 to cover the costs incurred in producing the duplicate recording. All such requests and payment must be received within three business days of the meeting to ensure that the recording will still be available for reproduction. It is highly recommended and the public is encouraged to bring their own sound recording equipment to public meetings of the Watermaster. In order to ensure a quality sound recording, the Watermaster will assist any member of the public in situating the recorder to ensure a quality recording.

Section 5: Limits on Disclosure

Under the California Public Records Act, there are various categories of records that the Watermaster is not required to disclose, including:

- a) Raw draft documents;
- b) Records relating to pending litigation;
- c) Records comprised of personnel, medical or similar files;
- d) Records containing an individual's Social Security number, driver's license number or home telephone number;
- e) Records protected by the attorney-client privilege.

Section 6: Destruction of Public Records

Certain records of the Watermaster are maintained indefinitely, and others are maintained for a limited period of time and then are destroyed.

- a. Records Which Shall Be Retained Indefinitely:
 - 1) Records affecting title to real property;
 - 2) Court records;
 - 3) The minutes, ordinances and resolutions of the Watermaster.
- b. **Records Which May Be Destroyed:** Subject to the provisions of Subsection c below, the following records may be destroyed, as follows:
 - 1) **After a minimum of 2 years:** basic time and earnings cards, wage rate tables and work time schedules, agendas, meetings folders and packets, general correspondence, press releases and outdated policies and procedures.
 - 2) **After a minimum of 3 years:** personnel records and files, job descriptions.

- 3) **After a minimum of 4 years:** payroll records, income tax withholding records, federal unemployment tax records, and FICA contributions records.
 - 4) **After a minimum of 5 years:** budget preparation files, expired service and construction contracts, claims against the Watermaster, expired leases.
 - 5) **After a minimum of 6 years:** audit reports
 - 6) **After a minimum of 8 years:** Statements of Economic Interest.
- c. **Destruction Procedures:** After the minimum period of time has passed, records may be destroyed in accordance with one of the following two methods:
- 1) Method No 1 – destruction without making copy: the Chief of Watermaster Services may, with the written consent of the Watermaster's Legal Counsel, destroy any authorized Watermaster record, document; instrument, book or paper without making a copy thereof, after the same is no longer required.
 - 2) Method No 2 – destruction after making a copy: the Chief of Watermaster Services may, without the written consent of the Watermaster's Legal Counsel, cause to be destroyed any and all of the records, documents, instruments, books and papers authorized hereunder if a copy thereof is made and stored electronically and capable of being reproduced accurately and legibly, is accessible for public reference as the original record was, and a true copy of the record is maintained on a compact disk or other medium and kept in a safe and separate place for security purposes. For purposes of this policy, every reproduction of a document therefore shall be deemed an original record.

MOVE, PASSED AND ADOPTED this 8th day of January, 2008

By C.J. Butcher
C.J. Butcher, Secretary to the Watermaster

RESOLUTION NO. 2008-002

**RESOLUTION OF THE BEAUMONT BASIN WATERMASTER TO ADOPT THE
UPPER SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER
MANAGEMENT PLAN**

WHEREAS, most of the Appropriator Parties to the Beaumont 2004 Stipulated Agreement are members of a Technical Advisory Group established for the purpose of preparing an Integrated Regional Water Management Plan (Plan) for the upper Santa Ana River watershed;

WHEREAS, the Technical Advisory Group guided the preparation of the Plan and prepared a public draft of the Plan;

WHEREAS, the San Bernardino Valley Municipal Water District is a member of Technical Advisory Group and supported and participated in preparation of the Plan;

WHEREAS, the San Bernardino Valley Municipal Water District Advisory Commission on Water Policy held a public meeting to receive public comments on the Plan;

WHEREAS; the Technical Advisory Group has addressed public comments and prepared a final Plan; and

WHEREAS; the Technical Advisory Group recommends the adoption of the plan.

NOW, THEREFORE, BE IT RESOLVED BY THE BEAUMONT BASIN WATERMASTER that the Beaumont Basin Watermaster does hereby support and adopt the Upper Santa Ana River Watershed Integrated Regional Water Management Plan.

ADOPTED this 8th day of January, 2008

BEAUMONT BASIN WATERMASTER

By: 

George Jorritsma
Chairman

ATTEST:



Charles Butcher
Secretary

Appendix E

Un-metered Overlying Party Production Estimates

Appendix E – Production Estimation Methods for Un-metered Overlying Producers

Introduction

During fiscal 2005/06, the Watermaster engineer reported that several of the Overlying Producer's wells were not metered or that their meters may not have been working properly. The Watermaster engineer recommended using a water duty method that is routinely used to estimate production in the absence of metered production. Watermaster accepted the water duty method and the subsequent production estimates that were made in fiscal 2005/06. This appendix details the updated water duty method used to estimate production for the following un-metered Overlying Parties, dating back to fiscal 2003/04:

- Merlin Properties
- Rancho Calimesa Mobile Home Park
- Roman Catholic Bishop of San Bernardino County
- Leonard M. and Dorothy D. Stearns
- Sunny-Cal Egg and Poultry Company
- Manheim, Manheim, and Berman
- Nick Nikodinov
- Ronald L. McAmis
- Nicolas and Amalia Aldama
- Hector Gutierrez, Luis Gutierrez, and Sebastian Monroy
- Boris and Miriam Darmont

Water Duty Method

With the water duty method, the groundwater production of a producer is estimated by estimating the water use volume for each of said producer's water use activities. In the Beaumont Basin, Overlying Producers pump water for indoor, outdoor, and agricultural uses. Information about the water use activities of each producer was obtained during field investigations conducted in 2006 and 2008 and through the examination of annual springtime air photos of the Beaumont Basin. The methods used to estimate groundwater pumping for each water use activity is outlined below.

Indoor Water Use

Indoor water use is estimated based on the number of dwelling units (du) on each producer's property.

For a recent study of the impacts of septic system use in the Cherry Valley area, Wildermuth Environmental, Inc. analyzed water sales data in the Beaumont Cherry Valley Water District's service area for the 2000 to 2005 period. In the study, indoor water use for single family dwellings was estimated to be 0.35 acre-ft/du/yr (WEI, 2007).

Accordingly, the indoor water use of each Overlying Producer was calculated by multiplying the number of dwelling units on each Overlying Producer's property by 0.35 acre-ft. This is



an update to the indoor water use component of the water duty method developed in fiscal 2005/06, which applied an indoor water use component of 0.30 acre-ft/du/yr.

Outdoor Water Use

Outdoor water use is estimated based on the acreage of irrigated landscape on each producer's property. The volume of water pumped for irrigation use is estimated using the Crop Water Requirements approach. This approach uses local climate parameters and crop type to determine the amount of water required by a landscape such that:

$$ET_o \times K_c = ET_c$$

Where,

ET_o = Reference Evapotranspiration: A climate specific parameter based on locally measured meteorological data such as wind speed, humidity, and solar radiation. ET_o represents the evapotranspiration of a standardized vegetated surface under localized conditions.

K_c = Crop Coefficient: A coefficient used to convert reference evapotranspiration into an estimate of evapotranspiration, based on the type of crop irrigated.

ET_c = Crop Water Requirement: The amount of water required for irrigating a specific type of crop under known climate conditions.

Reference Evapotranspiration (ET_o) data were obtained from the California Irrigation Management Information System (CIMIS). Monthly ET_o measured at CIMIS Station UC Riverside #44 was used as an approximation of the climate in the Beaumont Basin. Field investigations indicated that all irrigation activity was for standard grass landscapes. To estimate the crop water requirements of these standard grass landscapes, a mid-range crop coefficient ($K_c = 0.70$) for warm season grasses was applied (University of Arizona Cooperative Extension, 2000).

The final factor in determining outdoor water use is irrigation efficiency. It is assumed that the efficiency with which an irrigation system delivers water to a landscape is imperfect (less than 100% efficient). For this analysis, an irrigation efficiency of 70% was applied such that (Department of Water Resources, 2008):

$$\text{Outdoor Water Use} = \frac{ET_c}{0.70}$$

Agricultural Water Use

The only known agricultural water use by un-metered Overlying Producers is for the operations of the former Sunny-Cal Egg and Poultry Company. Water pumped by Sunny-Cal was used for the water consumption of chickens and for washing ranch facilities.

According to the National Research Council Subcommittee on Poultry Nutrition (1994), for hens kept at 21 degrees Celsius, approximately 40 to 80 gallons of water are required per 1,000 birds to meet daily nutritional requirements. For this water duty method, a value in the middle of this range was applied to estimate the daily pumping necessary to meet the nutritional requirements of the chickens at Sunny-Cal. Thus, the volume of water pumped was calculated as follows:



$$\text{Daily Consumptive Water Use} = \frac{\text{Total \# Chickens}}{1,000} \times 60 \text{ gal / day}$$

The volume of water needed to wash the chicken ranch facilities is unknown. Because the Sunny-Cal was able to store wash water onsite after use, for this water duty method, it was assumed that the groundwater pumped for washing is sufficient enough to satisfy the irrigation needs of the property. Accordingly, the groundwater pumped to meet this water use was estimated based on the Crop Water Requirements approach described above.

Applying the Water Duty Method to Un-metered Overlying Producers

To apply the water duty method to each Overlying Producer, it was necessary to obtain the following information about each property:

- Number of dwelling units
- Total area of irrigated land

Initial field investigations were performed in fiscal 2005/06 when the first version of the water duty method was used to estimate the production of Overlying Producers. The information obtained in the 2005/06 investigations was verified and/or updated with information obtained from the fiscal 2007/08 field investigation and through the use of annual springtime aerial photographs from Spring 2004 through Spring 2008. The aerial photography allowed for an accurate accounting of the number of dwelling units on large properties. The aerial photographs were also used to delineate and calculate the acreage of irrigated land on each property.

A worksheet that details the estimated indoor, outdoor, and industrial water use of each Overlying Producer is provided in Exhibits E-1 through E-11. Because the water duty method was used to update Overlyer production estimations in all previous Watermaster accounting years (FY 2003/04 through FY 2006/07), amended annual production tables are provided in Tables E1 through E4.

References

- Department of Water Resources. (2008). *Draft White Paper: Evapotranspiration Adjustment Factor*. Available at <http://www.owue.water.ca.gov/docs/etWhitePaper.pdf>
- National Research Council Subcommittee on Poultry Nutrition. (1994). *Nutrient requirements of Poultry*. (9th revised ed.). Washington, D.C.: National Academy Press. Available at www.nap.edu/catalog.php?record_id=2114
- University of Arizona Cooperative Extension. (2000). *Converting Reference Evapotranspiration into Turf Water Use*. Turf Irrigation Management Series No. 2. Retrieved from <http://ag.arizona.edu/pubs/water/az1195.pdf>
- Wildermuth Environmental, Inc. (2007). *Water Quality Impacts from On-Site Waste Disposal Systems in the Cherry Valley Community of Interest*.



Exhibit E1
Estimated Pumping by Merlin Properties -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	48	3	1.05	0.11	0.53	1.58
2004/05	48	3	1.05	0.11	0.50	1.55
2005/06	48	3	1.05	0.11	0.50	1.55
2006/07	48	3	1.05	0.11	0.55	1.60
2007/08	48	3	1.05	0.11	0.54	1.59
Total			5.25		2.63	7.88

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	3	1.05
FY 2004/05	3	1.05
FY 2005/06	3	1.05
FY 2006/07	3	1.05
FY 2007/08	3	1.05

Irrigated Area (Acres)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.37
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.35
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.35
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.39
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.38

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Exhibit E2
Estimated Pumping by Rancho Calimesa -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	29	195	68.25	0	0.00	68.25
2004/05	29	195	68.25	0	0.00	68.25
2005/06	29	195	68.25	0	0.00	68.25
2006/07	29	198	69.30	0	0.00	69.30
2007/08	29	198	69.30	0	0.00	69.30
Total			343.35		0.00	343.35

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	195	68.25
FY 2004/05	195	68.25
FY 2005/06	195	68.25
FY 2006/07	198	69.3
FY 2007/08	198	69.3

Irrigated Area (Acres)	
FY 2003/04	0
FY 2004/05	0
FY 2005/06	0
FY 2006/07	0
FY 2007/08	0

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.00
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.00
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.00

Irr Efficiency 0.7

Outdoor Water Use	(Acre Feet)
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.00
FY 2006/07	0.00
FY 2007/08	0.00

Exhibit E3
Estimated Pumping by the Roman Catholic Bishop – FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	34	2	0.70	12.1	58.48	59.18
2004/05	34	2	0.70	12.1	55.31	56.01
2005/06	34	2	0.70	12.1	55.46	56.16
2006/07	34	2	0.70	0	0.00	0.70
2007/08	34	2	0.70	0	0.00	0.70
Total			3.50		169.26	172.76

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	2	0.7
FY 2004/05	2	0.7
FY 2005/06	2	0.7
FY 2006/07	2	0.7
FY 2007/08	2	0.7

Irrigated Area (Acres)	
FY 2003/04	12.1
FY 2004/05	12.1
FY 2005/06	12.1
FY 2006/07	0
FY 2007/08	0

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	40.94
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	38.72
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	38.82
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.00
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.00

Irr Efficiency 0.7

Outdoor Water Use	(Acre Feet)
FY 2003/04	58.48
FY 2004/05	55.31
FY 2005/06	55.46
FY 2006/07	0.00
FY 2007/08	0.00

Exhibit E4
Estimated Pumping by Leonard and Dorothy Stearns -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	91	3	1.05	0	0.00	1.05
2004/05	91	3	1.05	0	0.00	1.05
2005/06	91	3	1.05	0	0.00	1.05
2006/07	91	3	1.05	0	0.00	1.05
2007/08	91	3	1.05	0	0.00	1.05
Total			5.25		0.00	5.25

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	3	1.05
FY 2004/05	3	1.05
FY 2005/06	3	1.05
FY 2006/07	3	1.05
FY 2007/08	3	1.05

Irrigated Area (Acres)	
FY 2003/04	0
FY 2004/05	0
FY 2005/06	0
FY 2006/07	0
FY 2007/08	0

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.00
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.00
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.00

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)	
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.00
FY 2006/07	0.00
FY 2007/08	0.00

Exhibit E5
Estimated Pumping by Sunny-Cal Egg and Poultry Company -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Number of Chickens	Chicken Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	200	10	3.50	1,200,000	81	66.40	320.9	405.03
2004/05	200	10	3.50	1,200,000	81	66.40	303.5	387.64
2005/06	185	2	0.70	0	0	0.40	1.83	2.53
2006/07	185	2	0.70	0	0	0.40	2.01	2.71
2007/08	185	2	0.70	0	0	0.40	1.96	2.66
Total			9.10				630	800.6

Indoor Water Use 0.35 af/du/year

Chicken Water use 6 gal/100 chickens

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	10	3.5
FY 2004/05	10	3.5
FY 2005/06	2	0.7
FY 2006/07	2	0.7
FY 2007/08	2	0.7

Chicken Water Use	Chickens	Water Use
FY 2003/04	1200000	80.6
FY 2004/05	1200000	80.6
FY 2005/06	0	0
FY 2006/07	0	0
FY 2007/08	0	0

Irrigated Area (Acres)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	224.65
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	212.48
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	1.28
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	1.41
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	1.37

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)	Irrigation Requirement
FY 2003/04	320.93
FY 2004/05	303.54
FY 2005/06	1.83
FY 2006/07	2.01
FY 2007/08	1.96

Exhibit E6
Estimated Pumping by Manheim, Manheim, and Berman -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0.00	0.00
2004/05	0	0	0.00	0	0.00	0.00
2005/06	122	2	0.70	2.6	11.92	12.62
2006/07	122	1	0.35	0.4	2.01	2.36
2007/08	122	1	0.35	0.4	1.96	2.31
Total			1.40		15.89	17.29

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	2	0.7
FY 2006/07	1	0.35
FY 2007/08	1	0.35

Irrigated Area (Acres)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	8.34
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	1.41
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	1.37

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Exhibit E7
Estimated Pumping by Nikodinov -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0	0.00
2004/05	0	0	0.00	0	0	0.00
2005/06	10	1	0.35	0.08	0.37	0.72
2006/07	10	1	0.35	0.08	0.40	0.75
2007/08	10	1	0.35	0.08	0.39	0.74
Total			1.05		1.16	2.21

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	1	0.35
FY 2006/07	1	0.35
FY 2007/08	1	0.35

Irrigated Area (Acres)	
FY 2003/04	0
FY 2004/05	0
FY 2005/06	0.08
FY 2006/07	0.08
FY 2007/08	0.08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.26
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.28
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.27

Irr Efficiency 0.7

Outdoor Water Use	(Acre Feet)
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.37
FY 2006/07	0.40
FY 2007/08	0.39

Exhibit E8
Estimated Pumping by McAmis -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0	0.00
2004/05	0	0	0.00	0	0	0.00
2005/06	0.9	1	0.35	0.04	0.18	0.53
2006/07	0.9	1	0.35	0.04	0.20	0.55
2007/08	0.9	1	0.35	0.04	0.20	0.55
Total			1.05		0.58	1.63

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	1	0.35
FY 2006/07	1	0.35
FY 2007/08	1	0.35

Irrigated Area (Acres)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.13
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.14
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.14

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Exhibit E9
Estimated Pumping by Aldama -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0	0.00
2004/05	0	0	0.00	0	0	0.00
2005/06	1.4	1	0.35	0.1	0.46	0.81
2006/07	1.4	1	0.35	0.1	0.50	0.85
2007/08	1.4	1	0.35	0.1	0.49	0.84
Total			1.05		1.45	2.50

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	1	0.35
FY 2006/07	1	0.35
FY 2007/08	1	0.35

Irrigated Area (Acres)
FY 2003/04
FY 2004/05
FY 2005/06
FY 2006/07
FY 2007/08

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.32
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.35
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.34

Irr Efficiency 0.7

Outdoor Water Use	(Acre Feet)
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.46
FY 2006/07	0.50
FY 2007/08	0.49

Exhibit E10
Estimated Pumping by Gutierrez -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0	0.00
2004/05	0	0	0.00	0	0	0.00
2005/06	2	2	0.70	0.14	0.64	1.34
2006/07	2	2	0.70	0.14	0.71	1.41
2007/08	2	2	0.70	0.14	0.69	1.39
Total			2.10		2.03	4.13

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	2	0.7
FY 2006/07	2	0.7
FY 2007/08	2	0.7

Irrigated Area (Acres)	
FY 2003/04	0
FY 2004/05	0
FY 2005/06	0.14
FY 2006/07	0.14
FY 2007/08	0.14

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.45
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.49
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.48

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)	
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.64
FY 2006/07	0.71
FY 2007/08	0.69

Exhibit E11
Estimated Pumping by Darmont -- FY 2003/04 through FY 2007/08

Year	Parcel Size (acres)	Dwelling Units	Indoor Water Use (acre-ft)	Irrigated Area (acres)	Outdoor Water Use (acre-ft)	Total Use (acre-ft)
2003/04	0	0	0.00	0	0	0.00
2004/05	0	0	0.00	0	0	0.00
2005/06	0.5	1	0.35	0	0.00	0.35
2006/07	0.5	1	0.35	0	0.00	0.35
2007/08	0.5	1	0.35	0	0.00	0.35
Total			1.05		0.00	1.05

Indoor
Water Use 0.35 af/du/year

Dwelling Units	#DU	Indoor Water Use
FY 2003/04	0	0
FY 2004/05	0	0
FY 2005/06	1	0.35
FY 2006/07	1	0.35
FY 2007/08	1	0.35

Irrigated Area (Acres)	
FY 2003/04	0
FY 2004/05	0
FY 2005/06	0
FY 2006/07	0
FY 2007/08	0

Crop Coefficient (Warm Season Bermuda Grass)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

ET(o)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)
FY 2003/04	7.05	7.46	5.54	4.08	2.23	2.07	2.49	2.76	4.81	5.9	7.1	6.5	57.99
FY 2004/05	7.55	6.81	5.83	3.39	2.44	2.3	2.02	2.21	3.93	5.41	6.47	6.49	54.85
FY 2005/06	7.28	6.68	5.32	3.65	2.84	2.15	2.92	3.35	3.42	4.26	6.02	7.16	55.05
FY 2006/07	7.74	7.2	5.7	3.95	3.14	2.94	3.28	2.91	5.02	5.04	6.47	7.16	60.55
FY 2007/08	7.57	7.09	5.44	4.34	2.81	2.24	1.69	2.31	5.3	6.04	6.28	7.59	58.7

ETc	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total (in/yr)	Irrigation Requirement (acre-ft/yr)
FY 2003/04	4.9	5.2	3.9	2.9	1.6	1.4	1.7	1.9	3.4	4.1	5	4.6	40.6	0.00
FY 2004/05	5.3	4.8	4.1	2.4	1.7	1.6	1.4	1.5	2.8	3.8	4.5	4.5	38.4	0.00
FY 2005/06	5.1	4.7	3.7	2.6	2	1.5	2	2.3	2.4	3	4.2	5	38.5	0.00
FY 2006/07	5.4	5	4	2.8	2.2	2.1	2.3	2	3.5	3.5	4.5	5	42.3	0.00
FY 2007/08	5.3	5	3.8	3	2	1.6	1.2	1.6	3.7	4.2	4.4	5.3	41.1	0.00

Irr Efficiency 0.7

Outdoor Water Use (Acre Feet)	
FY 2003/04	0.00
FY 2004/05	0.00
FY 2005/06	0.00
FY 2006/07	0.00
FY 2007/08	0.00

Table E1
Overlying Producer Summary of Production for Fiscal Year 2003/04 (Amended)
(acre-ft)

Well Name	Metered ²	Water Production by Overlying Producer (acre-ft) ¹												Total ² Production	Overlying Water Right	Unused FY 2003/04 Allocation
		July	August	September	October	November	December	January	February	March	April	May	June			
Beckman, Walter M.	No													22.0	75.0	53.0
California Oak Valley Golf and Resort LLC																
Oak Valley #1	No															
OVGC Comfort Stn	No															
Subtotal														1,227.4	950.0	-277.4
Merlin Properties	No													1.6	550.0	548.4
Oak Valley Partners, LP ³																
Haskell Ranch-Main	N/A													49.3		
Singleton Ranch #5	No													300.0		
Singleton Ranch #7	Yes													143.4		
Irrigation Stokes	No													10.0		
Subtotal														502.7	1,806.0	1,303.3
Plantation on the Lake LLC	Yes	26.8	38.0	38.1	31.6	25.5	18.7	18.3	21.7	13.2	24.1	30.3	35.1	321.4	581.0	259.6
Rancho Calimesa Mobile Home Park	No													68.3	150.0	81.7
Roman Catholic Bishop of San Bernardino														59.2	154.0	94.8
Sharondale Mesa Owners Association																
Well No.1	Yes	24.2	20.9	27.3	15.6	5.1	5.5	5.0	3.4	5.9	7.4	10.0	14.4	144.5		
Well No.2	Yes	0.0		0.0			5.7				1.7	12.0	5.2	24.7		
Subtotal		24.2	20.9	27.3	15.6	5.1	11.2	5.0	3.4	5.9	9.1	22.0	19.6	169.1	200.0	30.9
So Calif Section of the PGA of America																
Well A	Yes	35.8	38.6	25.8	6.0	7.7	4.6	6.4	0.7	35.9	25.6	43.1	45.3	275.3		
Well B	No															
Well C	Yes													31.5		
Well D	Yes	174.7	158.8	133.7	115.3	43.8	34.3	36.5	14.1	56.4	64.9	113.7	148.0	1,094.2		
Subtotal		210.5	197.4	159.5	121.3	51.4	38.9	42.9	14.8	92.3	90.5	156.8	193.3	1,401.0	2,200.0	799.0
Stearns, Leonard M. and Dorothy D.	No													1.1	200.0	198.9
Sunny-Cal Egg and Poultry Company														405.0	1,784.0	1,379.0
Total														4,178.9	8,650	4,471

1 -- All values rounded and subject to revision based on receipt of more accurate information
2 -- Total production is estimated for Overlyers with un-metered wells. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations
3 -- Production values are estimated by Oak Valley Partners
4 -- Provided copies of state filing with annual calendar year estimates only - SCPGA Well B destroyed and capped

Table E2
Overlying Producer Summary of Production for Fiscal Year 2004/05 (Amended)
(acre-ft)

Well Name	Metered ²	Water Production by Overlying Producer (acre-ft) ¹												Total Production	Overlying Water Right	Unused FY 2004/05 Allocation
		July	August	September	October	November	December	January	February	March	April	May	June			
Beckman, Walter M.	No													21.3	75.0	53.7
California Oak Valley Golf and Resort LLC ⁴																
Oak Valley #1	No							164.6		6.1			150.2			
OVGC Comfort Stn	No								18.7				82.2			
Subtotal														635.0	950.0	315.0
Merlin Properties	No													1.6	550.0	548.4
Oak Valley Partners, LP ⁵																
Singleton Ranch #5	No													300.0		
Singleton Ranch #7	Yes													89.8		
Irrigation Stokes	No													10.0		
Subtotal														399.8	1,806.0	1,406.2
Plantation on the Lake LLC	Yes	35.9	41.4	40.7	37.8	21.8	20.5	23.0	11.9	8.3	16.8	20.2	34.3	312.7	581.0	268.3
Rancho Calimesa Mobile Home Park	No													68.3	150.0	81.7
Roman Catholic Bishop of San Bernardino														56.0	154.0	98.0
Sharondale Mesa Owners Association																
Well No.1	Yes	19.4	12.0	9.2	8.0	8.5	7.9	5.2	5.9	2.5	8.8	9.2	13.3	109.9		
Well No.2	Yes	7.7	9.6	6.5	4.2	0.0	0.0	0.0	0.0	4.3	5.2	7.2	8.1	52.9		
Subtotal		27.1	21.6	15.8	12.3	8.5	7.9	5.2	5.9	6.8	13.9	16.4	21.4	162.8	200.0	37.2
So Calif Section of the PGA of America																
Well A	Yes													196.3		
Well B	No															
Well C	Yes													62.4		
Well D	Yes													1,110.3		
Subtotal														1,369.0	2,200.0	831.0
Stearns, Leonard M. and Dorothy D.	No													1.1	200.0	198.9
Sunny-Cal Egg and Poultry Company	No													387.6	1,784.0	1,396.4
Total														3,415.2	8,650.0	5,234.8

1 -- All values rounded and subject to revision based on receipt of more accurate information
2 -- Total production is estimated for Overlayers with un-metered wells. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations
3 -- Production is estimated for July through November. Well metered in December 2005. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations
4 -- Production estimated from partially reported values
5 -- Production values for Singleton Ranch #5 and #7 and Irrigation Stokes wells are estimated by Oak Valley Partners
6 -- Provided copies of state filing with annual calendar year estimates only - SCPGA Well B destroyed and capped

Table E3
Overlying Producer Summary of Production for Fiscal Year 2005/06 (Amended)
(acre-ft)

Well Name	Metered ²	Water Production by Overlying Producer (acre-ft) ¹												Total ² Production	Overlying Water Right	Unused FY 2005/06 Allocation
		July	August	September	October	November	December	January	February	March	April	May	June			
Beckman, Walter M. ³	Yes					10.0		0.7	0.3	0.6	0.1	0.4	2.0	14.2	75.0	60.8
California Oak Valley Golf and Resort LLC																
Oak Valley #1	Yes	92.9		29.1	122.6	81.1		73.3	32.0	34.0	0.0	44.6	166.1	741.6		
OVGC Comfort Stn	Yes	39.3		13.1	27.4	0.0	0.0	0.0	0.0	0.1	0.0	6.1	11.4	97.4		
Subtotal		132.2	0.0	42.2	150.0	81.1	0.0	73.3	32.0	34.1	0.0	50.7	177.5	839.0	950.0	111.0
Merlin Properties	No													1.6	550.0	548.4
Oak Valley Partners, LP ⁴																
Singleton Ranch #5	No													300.0		
Singleton Ranch #7	Yes	0.0	0.0	0.5	7.3	13.1	11.5	7.6	9.7	14.0	24.4	28.0	49.6	165.7		
Irrigation Stokes	No													10.0		
Subtotal														475.7	1,806.0	1,330.3
Plantation on the Lake LLC	Yes	35.3	35.9	42.9	32.6	25.4	23.7	27.6	21.6	20.7	12.0	20.4	28.8	326.8	581.0	254.2
Rancho Calimesa Mobile Home Park	No													68.3	150.0	81.7
Roman Catholic Bishop of San Bernardino														56.2	154.0	97.8
Sharondale Mesa Owners Association																
Well No.1	Yes	7.0	12.8	13.9	9.6	4.4	5.8	5.1	6.6	2.1	4.3	8.7	14.2	94.5		
Well No.2	Yes	16.0	12.6	7.2	6.8	9.6	5.7	4.8	3.4	4.0	4.7	7.7	9.0	91.3		
Subtotal		23.0	25.5	21.1	16.3	14.0	11.5	9.9	10.1	6.1	9.0	16.3	23.2	185.8	200.0	14.2
So Calif Section of the PGA of America																
Well A	Yes	29.9	31.9	34.3	12.6	8.2	8.1	8.4	5.7	3.1	14.3	0.6	2.9	160.0		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	124.1	127.7	114.5	67.9	79.4	75.7	75.6	15.0	10.0	147.1	169.9	218.2	1,225.0		
Subtotal		154.1	159.6	148.7	80.4	87.5	83.8	83.9	20.7	13.1	161.5	170.5	221.1	1,385.0	2,200.0	815.0
Stearns, Leonard M. and Dorothy D.														1.1	200.0	198.9
Sunny-Cal Egg and Poultry Company														2.5	1,439.5	1,437.0
Sunny-Cal North - Manheim, Manheim & Berman														12.6	300.0	287.4
Nikodinov, Nick														0.7	20.0	19.3
McAmis, Ronald L.														0.5	5.0	4.6
Aldama, Nicolas and Amalia														0.8	7.0	6.3
Gutierrez, Hector, Luis Gutierrez and Sebastian Monroy														1.3	10.0	8.7
Darmont, Boris and Miriam														0.4	2.5	2.2
Total														3,372.3	8,650.0	5,277.7

1 -- All values rounded and subject to revision based on receipt of more accurate information
2 -- Total production is estimated for Overlyers with un-metered wells. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations
3 -- Production is estimated for July through November. Well metered in December 2005. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations
4 -- Production values for Singleton Ranch #5 and Irrigation Stokes wells are estimated by Oak Valley Partners

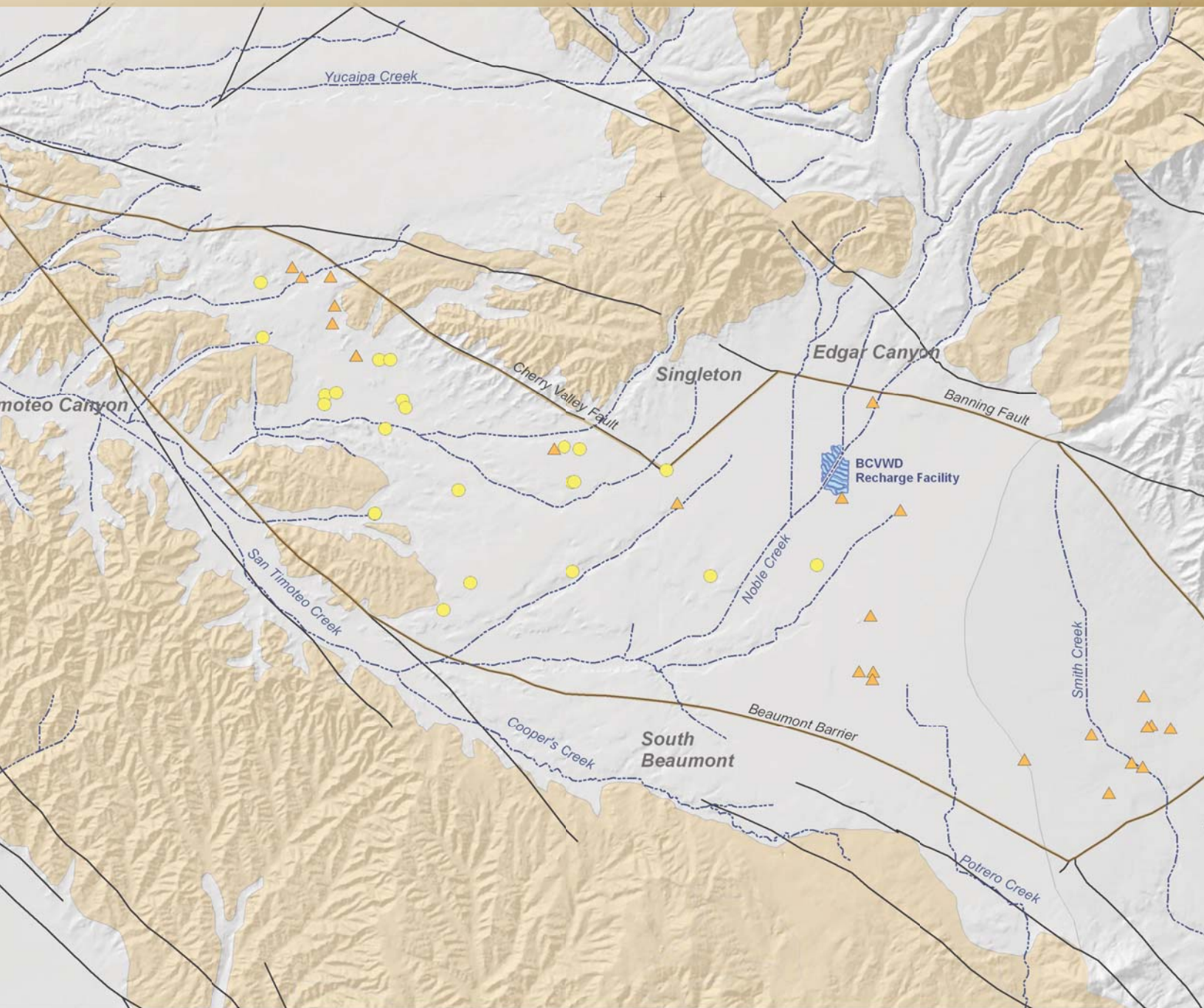
Table E4
Overlying Producer Summary of Production for Fiscal Year 2006/07 (Ammended)
(acre-ft)

Well Name	Metered ²	Water Production by Overlying Producer (acre-ft) ¹												Total Production	Overlying Water Right	Unused FY 2006/07 Allocation
		July	August	September	October	November	December	January	February	March	April	May	June			
Beckman, Walter M.	Yes	1.9	2.0	1.5	0.7	1.1	0.2	0.3	0.2	0.2	0.3	0.4	0.5	9.3	75.0	65.7
California Oak Valley Golf and Resort LLC																
Oak Valley #1	Yes	33.4	53.6	16.1	0.0	0.5	0.0	0.0	0.0	0.0	20.1	16.6	0.0	140.3		
OVGC Comfort Stn	Yes	90.9	47.1	84.4	43.0	66.8	28.1	35.6	20.7	46.6	21.9	56.7	85.8	627.6		
Subtotal		124.3	100.7	100.5	43.0	67.3	28.1	35.6	20.7	46.6	42.0	73.3	85.8	767.9	950.0	182.1
Merlin Properties	No													1.6	550.0	548.4
Oak Valley Partners, LP ³																
Singleton Ranch #5	No													300.0		
Singleton Ranch #7	Yes	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	1.2		
Irrigation Stokes	No													10.0		
Subtotal														311.2	1,806.0	1,494.8
Plantation on the Lake LLC	Yes	39.7	41.5	40.8	35.5	32.0	29.5	21.6	21.1	16.9	31.7	23.7	38.1	372.2	581.0	208.8
Rancho Calimesa Mobile Home Park	No													69.3	150.0	80.7
Roman Catholic Bishop of San Bernardino														0.7	154.0	153.3
Sharondale Mesa Owners Association																
Well No.1	Yes	5.5	11.6	12.6	10.2	9.1	7.0	5.1	7.3	12.4	13.7	2.9	14.2	111.5		
Well No.2	Yes	22.4	13.1	10.7	7.0	3.5	1.4	1.9	0.0	0.0	0.0	17.8	5.6	83.3		
Subtotal		27.9	24.7	23.3	17.3	12.6	8.4	6.9	7.3	12.4	13.7	20.7	19.8	194.8	200.0	5.2
So Calif Section of the PGA of America																
Well A	Yes	2.7	3.1	6.7	7.0	19.5	92.2	17.1	79.5	60.0	75.0	52.5	51.4	466.7		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	196.3	164.7	212.9	92.1	29.1	81.9	79.5	37.0	95.8	106.5	112.1	89.5	1,297.4		
Subtotal		199.0	167.8	219.6	99.1	48.6	174.1	96.6	116.5	155.8	181.5	164.6	140.9	1,764.1	2,200.0	435.9
Stearns, Leonard M. and Dorothy D.														1.1	200.0	198.9
Sunny-Cal Egg and Poultry Company														2.7	1,439.5	1,436.8
Sunny-Cal North - Manheim, Manheim & Berman														2.4	300.0	297.6
Nikodinov, Nick														0.8	20.0	19.3
McAmis, Ronald L.														0.6	5.0	4.4
Aldama, Nicolas and Amalia														0.9	7.0	6.1
Gutierrez, Hector and Luis and Sebastian Monroy														1.4	10.0	8.6
Darmont, Boris and Miriam														0.4	2.5	2.2
Total														3,501.3	8,650.0	5,148.7

1 -- All values rounded and subject to revision based on receipt of more accurate information
2 -- Total production is estimated for Overlayers with un-metered wells. Please see Appendix E of this report for a detailed demonstration of the water duty method used to make production estimations.
3 -- Production values for Singleton Ranch #5 and Irrigation Stokes wells are estimated by Oak Valley Partners



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