Notice and Agenda of a Meeting of the Beaumont Basin Watermaster

Wednesday, June 1, 2016 at 10:00 a.m.

Meeting Location:

Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223
(951) 845-9581

Watermaster Members:

City of Banning
City of Beaumont
Beaumont Cherry Valley Water District
South Mesa Water Company
Yucaipa Valley Water District

I. Call to Order

II. Roll Call

City of Banning: Alternate: Arturo Vela

City of Beaumont: Dave Dillon (Alternate: Kyle Warsinski)

Beaumont Cherry Valley Water District: Eric Fraser (Alternate: Tony Lara)

South Mesa Water Company: George Jorritsma (Alternate: Dave Armstrong)

Yucaipa Valley Water District: Joseph Zoba (Alternate: Jennifer Ares)

III. Pledge of Allegiance

IV. Public Comments At this time, members of the public may address the Beaumont Basin Watermaster on matters within its jurisdiction; however, no action or discussion may take place on any item not on the agenda. To provide comments on specific agenda items, please complete a Request to Speak form and provide that form to the Secretary prior to the commencement of the meeting.

V. Consent Calendar

A. Meeting Minutes

1. Meeting Minutes for April 6, 2016

VI. Reports

A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering

B. Report from Legal Counsel - Keith McCullough, Alvarado Smith

VII. Discussion Items

A. Status Report on Water Level Monitoring throughout the Beaumont Basin [Memorandum No. 16-08, Page 9 of 91]

Recommendation: No recommendation.

B. Status Update on the Refinement of the Beaumont Basin Groundwater Flow Model [Memorandum No. 16-09, Page 17 of 91]

Recommendation: No recommendation.

C. Engineer's Opinion on the Application by the San Gorgonio Pass Water Agency (SGPWA) for a Groundwater Storage Agreement in the Beaumont Basin [Memorandum No. 16-10, Page 20 of 91]

Recommendation: For Information Purposes.

D. Consideration of the Proposed Budget for Fiscal Year 2016-2017 [Memorandum No. 16-11, Page 89 of 91]

Recommendation: No recommendation.

VIII. Topics for Future Meetings

A. Recycled Water Recharge Policy

IX. Comments from the Watermaster Committee Members

X. Announcements

A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, August 3, 2016 at 10:00 a.m.

XI. Adjournment

Consent Calendar

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Wednesday, April 6, 2016

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

I. Call to Order

Chairman Arturo Vela called the meeting to order at 10:00 a.m.

II. Roll Call

City of Banning	*Arturo Vela*	*Present*
City of Beaumont	*Kyle Warsinski*	*Present*
Beaumont Cherry Valley Water District	*Eric Fraser*	*Present*
South Mesa Water Company	*George Jorritsma*	*Present*
Yucaipa Valley Water District	*Joseph Zoba*	*Present*

Kyle Warsinski was present as the alternate representing the City of Beaumont in the absence of Member Dave Dillon. Arturo Vela was present as the alternate representing the City of Banning in the absence of Chairman Duane Burke. Thierry Montoya was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: Duane Burk, John Ohanian, Carl Kymla, Bill Dickson, Hannibal Blandon, and Tom Shalhoub.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

No public comment was received at this time.

V. Consent Calendar

A. Meeting Minutes

1. Meeting Minutes for February 3, 2016

Member Eric Fraser motioned to approve the consent calendar. The motion was seconded by Member George Jorritsma and passed 5-0.

VI. Reports

A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering

Engineer Hannibal Blandon set forth an application from the San Gorgonio Pass Water Agency for a storage account and advised that the intent was to introduce it at the following board meeting as a formal agenda item.

B. Report from Legal Counsel - Thierry Montoya, Alvarado Smith

Legal Counsel Thierry Montoya reported that draft declarations had been prepared for those Members seeking to add alternates to the Watermaster or confirm prior alternates that have not been specifically vetted by the Court, and that once returned, they would be filed with the Court.

VII. Discussion Items

A. Status Report on Water Level Monitoring throughout the Beaumont Basin [Memorandum No. 16-06, Page 6 of 16]

Recommendation: No recommendation.

Engineer Blandon gave a status report of the water level monitoring project, which included proposed monitoring agreements for new sites, discussion of water levels at sites being monitored, and troubleshooting of monitoring equipment issues. He noted that these issues would be addressed that afternoon.

B. Consideration of Task Order No. 11 – Recalibration of the northwest portion of the Beaumont Basin groundwater model to more accurately represent water levels in the area [Memorandum No. 16-07, Page 14 of 16]

Recommendation: That the Watermaster Committee approves Task Order No. 11 to conduct recalibration of the northwest portion of the Beaumont Basin for an amount not to exceed $10,850.

Tom Harder, hydrogeologist for the Watermaster, provided a background on the widening discrepancy between over time between groundwater storage levels estimated by a groundwater flow model and measured water levels in the Moreno 6 well. He recommended refining the model in that particular area, making it more accurate and representative for purposes of the annual report. After discussion, Member Fraser motioned to approve Task Order No. 11 for an amount not to exceed $10,850. The motion was seconded by Member Joseph Zoba and passed 5-0.

VIII. Topics for Future Meetings

A. Recycled Water Recharge Policy

There was no discussion in regard to a Recycled Water Recharge Policy.

IX. Comments from the Watermaster Committee Members

There were no comments from the Watermaster Committee Members.

X. Announcements

A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, June 1, 2016 at 10:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 10:20 a.m.

Attest:

_____
Eric Fraser, Secretary
Beaumont Basin Watermaster

Reports

Discussion Items

BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 16-08

Date: June 1, 2016

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin

Recommendation: No recommendation.

At the present time, there are 12 monitoring wells collecting water level information on an hourly basis at various locations throughout the basin. Monitoring equipment was installed at the Oak Valley Partners Singleton Ranch No. 5 well. In addition, there are two monitoring probes collecting barometric pressures at opposite ends of the Beaumont Basin. The location of active monitoring wells is depicted in the attached Figure No. 1.

One additional monitoring well, located in the Sunny-Cal Egg Ranch area, is being used to collect water level; however, a formal contract with the current property owners has not been established. It is anticipated that a separate well located in this property will be used for monitoring purposes in the future since the current well is too close to BCVWD Well No. 29.

No progress has been made with the installation of the monitoring well at the Icon Warehouse (a.k.a. the Downing Orchard well). We have made numerous attempts to contact the new management at the warehouse site, but have not been successful. We pass the information to legal counsel to contact Icon's legal counsel on this matter.

Negotiations continue with the County of Riverside Open Space Office for installation of a monitoring probe at the Railroad Tracks well. While we do not have a final contract, it is anticipated that we will be able to install a monitoring probe at this well.

Ultimately, it is anticipated that we will have a total of 18 operating monitoring sites throughout the basin. Figure No. 2 depicts water level data collected since the program began. In general, water levels continue to be unchanged throughout the basin; however, some changes have occurred at the following wells:

- ✓ Bonita Vista No. 2 Well has maintained its level since May 2015 as water level at this well has fluctuated within one foot (See Figure 2). Water levels for the last two months could not be downloaded because of the existence of a bee hive inside the well.

- ✓ Banning M-9 – The water level at this well has increased by nine (9) feet since October 2015 as illustrated in Figure 4.

- ✓ Noble Creek Observation Well 4S – A 27 feet declined has been recorded at this well since the end of May 2015 as depicted in Figure 5.

- ✓ Summit Cemetery – The water level at this well is highly influenced by the intermittent operations of a nearby local production well as observed in Figure 6. A general uptrend in water levels continues at this well as it has gained 6 feet since early July 2015.

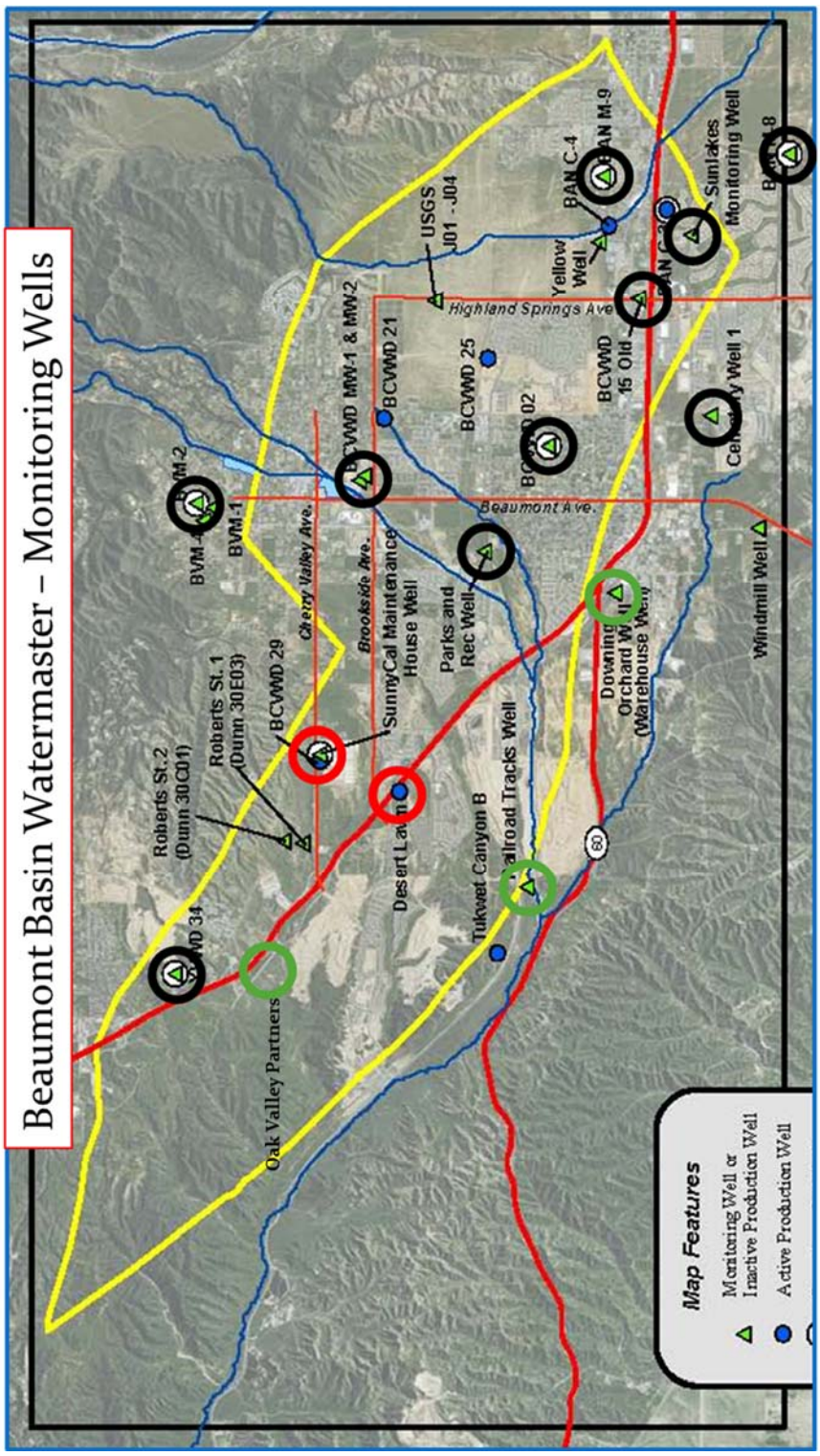
Troubleshooting Issues

The following malfunctioning issues were encountered during our January 25, 2016 field visit:

- ✓ Bonita Well No. 2 – Data was not collected from this well due to the presence of a bee hive inside the well.

- ✓ Banning Well M-9 – Barometer is now working again as probe was reset in early April 2016.

- ✓ Sun Lakes Well – We may need to install a new communications cable as we could not establish communication with the probe. The probe was pulled and a new one installed, but without success. Next step will be to replace the communications cable.



Wells with Monitoring Probes – Working
- Bonita Vista No. 2
- Noble Creek Observation 4D and 4S
- Noble Creek Park
- BCVWD No. 2
- BCVWD Old Well No. 15 (Banning)
- Summit Cemetery No. 1
- Sun Lakes Golf Course
- Banning M-8 and M-9
- YVWD Well No. 34

Wells under Contract Negotiation
- ICON Warehouse well
- Oak Valley Partners well
- Railroad Track well

Other Wells Under Consideratio
- Desert Lawn – Negotiations
- Sunny Cal Egg Ranch

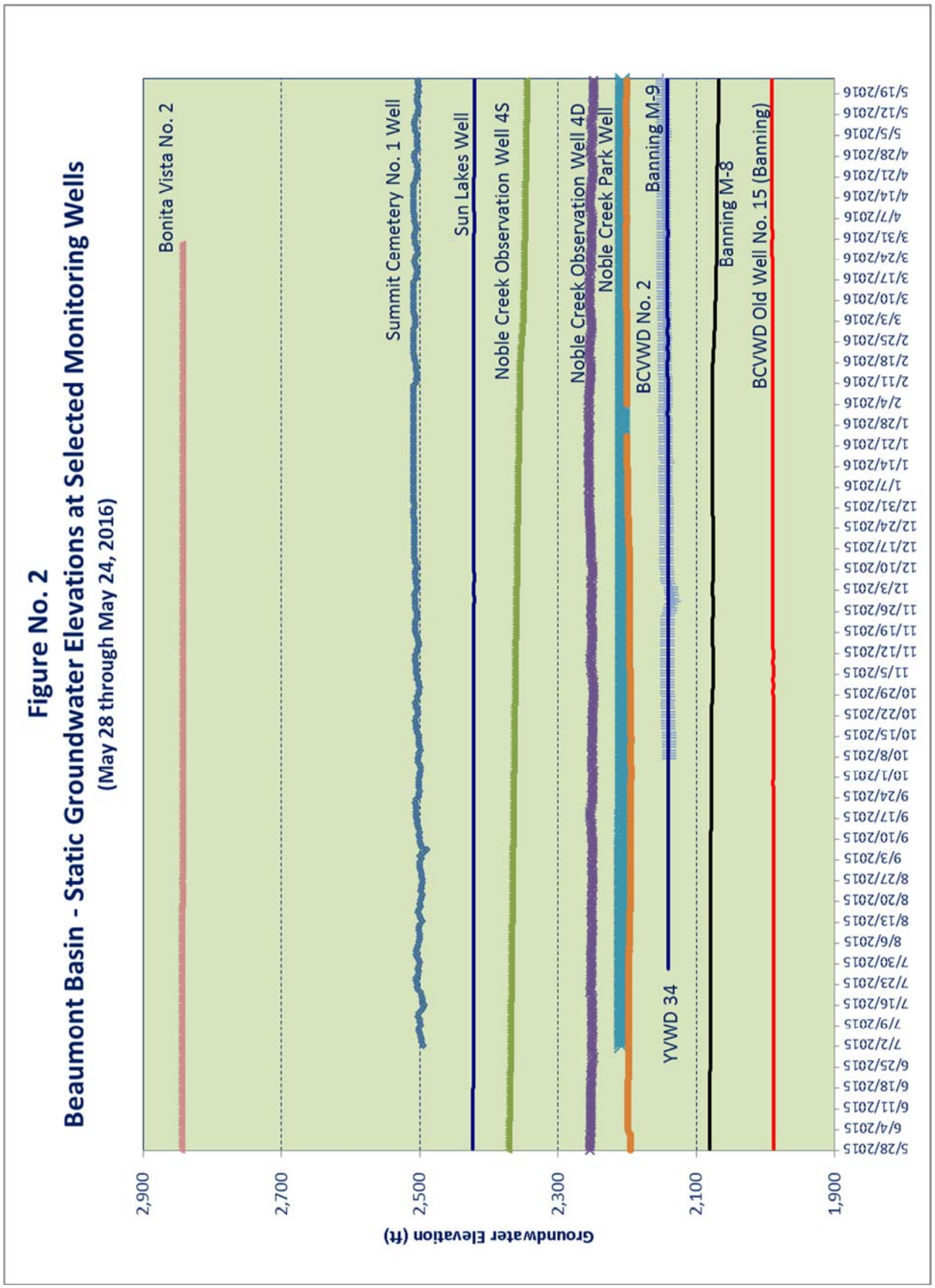


Figure No. 2
Beaumont Basin - Static Groundwater Elevations at Selected Monitoring Wells
(May 28 through May 24, 2016)
Groundwater Elevation (ft)
2,900
2,700
2,500
2,300
2,100
1,900
Bonita Vista No. 2
Summit Cemetery No. 1 Well
Sun Lakes Well
Noble Creek Observation Well 4S
Noble Creek Observation Well 4D
Noble Creek Park Well
BCVWD No. 2
Banning M-9
YVWD 34
Banning M-8
BCVWD Old Well No. 15 (Banning)
5/28/2015
6/4/2015
6/11/2015
6/18/2015
6/25/2015
7/2/2015
7/9/2015
7/16/2015
7/23/2015
7/30/2015
8/6/2015
8/13/2015
8/20/2015
8/27/2015
9/3/2015
9/10/2015
9/17/2015
9/24/2015
10/1/2015
10/8/2015
10/15/2015
10/22/2015
10/29/2015
11/5/2015
11/12/2015
11/19/2015
11/26/2015
12/3/2015
12/10/2015
12/17/2015
12/24/2015
12/31/2015
1/7/2016
1/14/2016
1/21/2016
1/28/2016
2/4/2016
2/11/2016
2/18/2016
2/25/2016
3/3/2016
3/10/2016
3/17/2016
3/24/2016
3/31/2016
4/7/2016
4/14/2016
4/21/2016
4/28/2016
5/5/2016
5/12/2016
5/19/2016

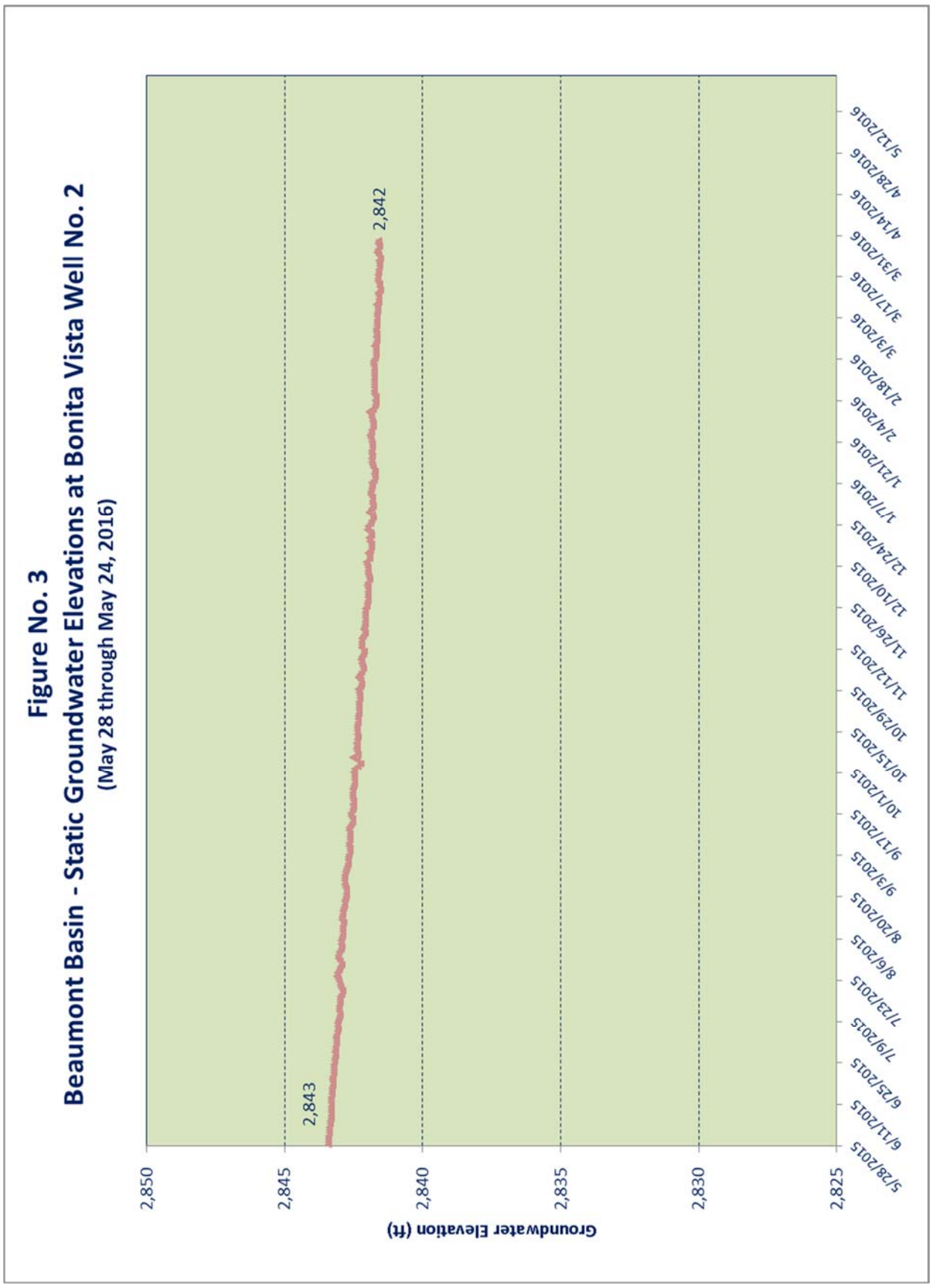


Figure No. 3
Beaumont Basin - Static Groundwater Elevations at Bonita Vista Well No. 2
(May 28 through May 24, 2016)
Groundwater Elevation (ft)
2,850
2,845
2,840
2,835
2,830
2,825
2,843
2,842
5/28/2015
6/11/2015
6/25/2015
7/9/2015
7/23/2015
8/6/2015
8/20/2015
9/3/2015
9/17/2015
10/1/2015
10/15/2015
10/29/2015
11/12/2015
11/26/2015
12/10/2015
12/24/2015
1/7/2016
1/21/2016
2/4/2016
2/18/2016
3/3/2016
3/17/2016
3/31/2016
4/14/2016
4/28/2016
5/12/2016

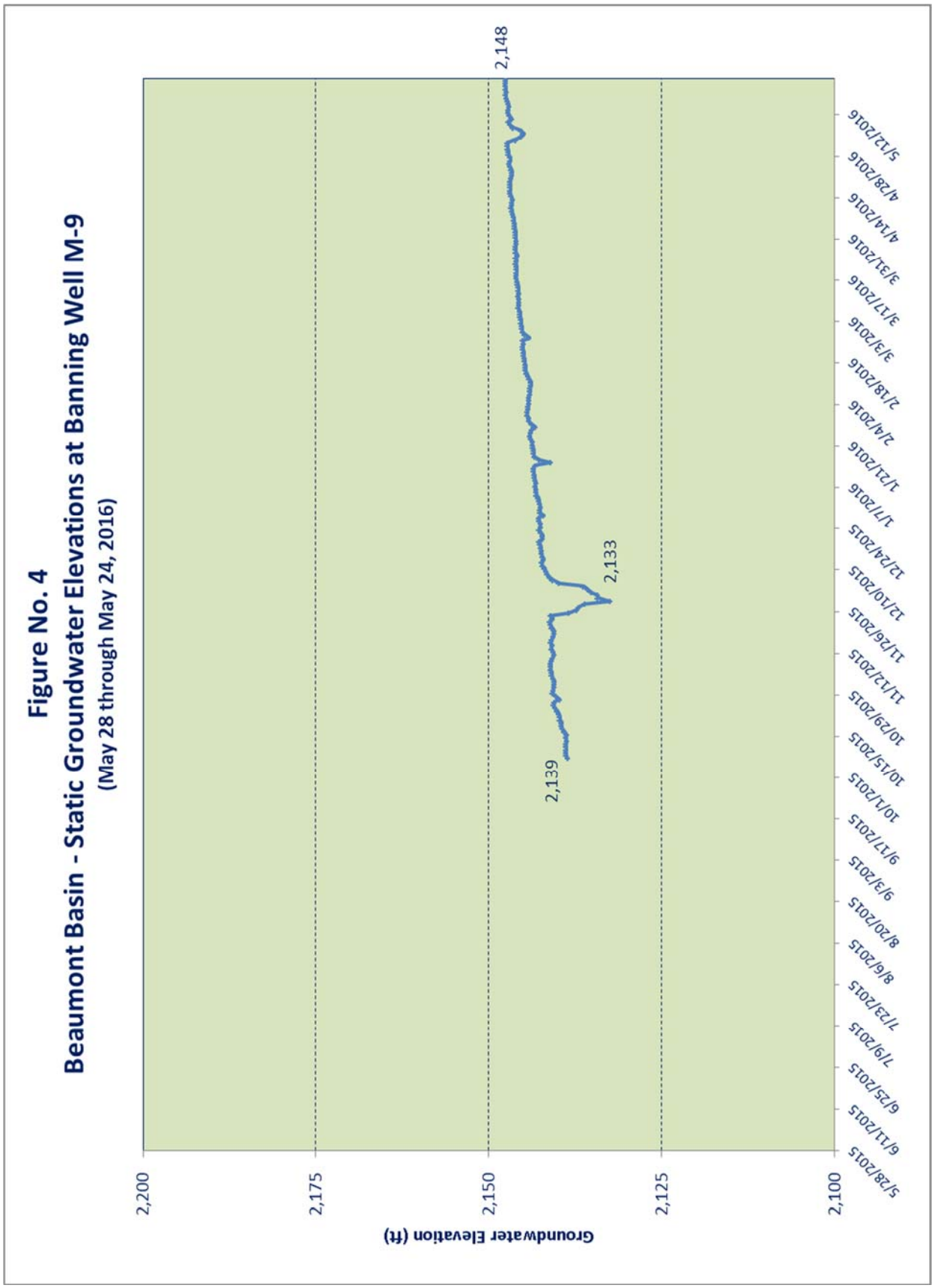


Figure No. 4
Beaumont Basin - Static Groundwater Elevations at Banning Well M-9
(May 28 through May 24, 2016)
Groundwater Elevation (ft)
2,200
2,175
2,150
2,125
2,100
2,148
2,133
2,139
5/28/2015
6/11/2015
6/25/2015
7/9/2015
7/23/2015
8/6/2015
8/20/2015
9/3/2015
9/17/2015
10/1/2015
10/15/2015
10/29/2015
11/12/2015
11/26/2015
12/10/2015
12/24/2015
1/7/2016
1/21/2016
2/4/2016
2/18/2016
3/3/2016
3/17/2016
3/31/2016
4/14/2016
4/28/2016
5/12/2016

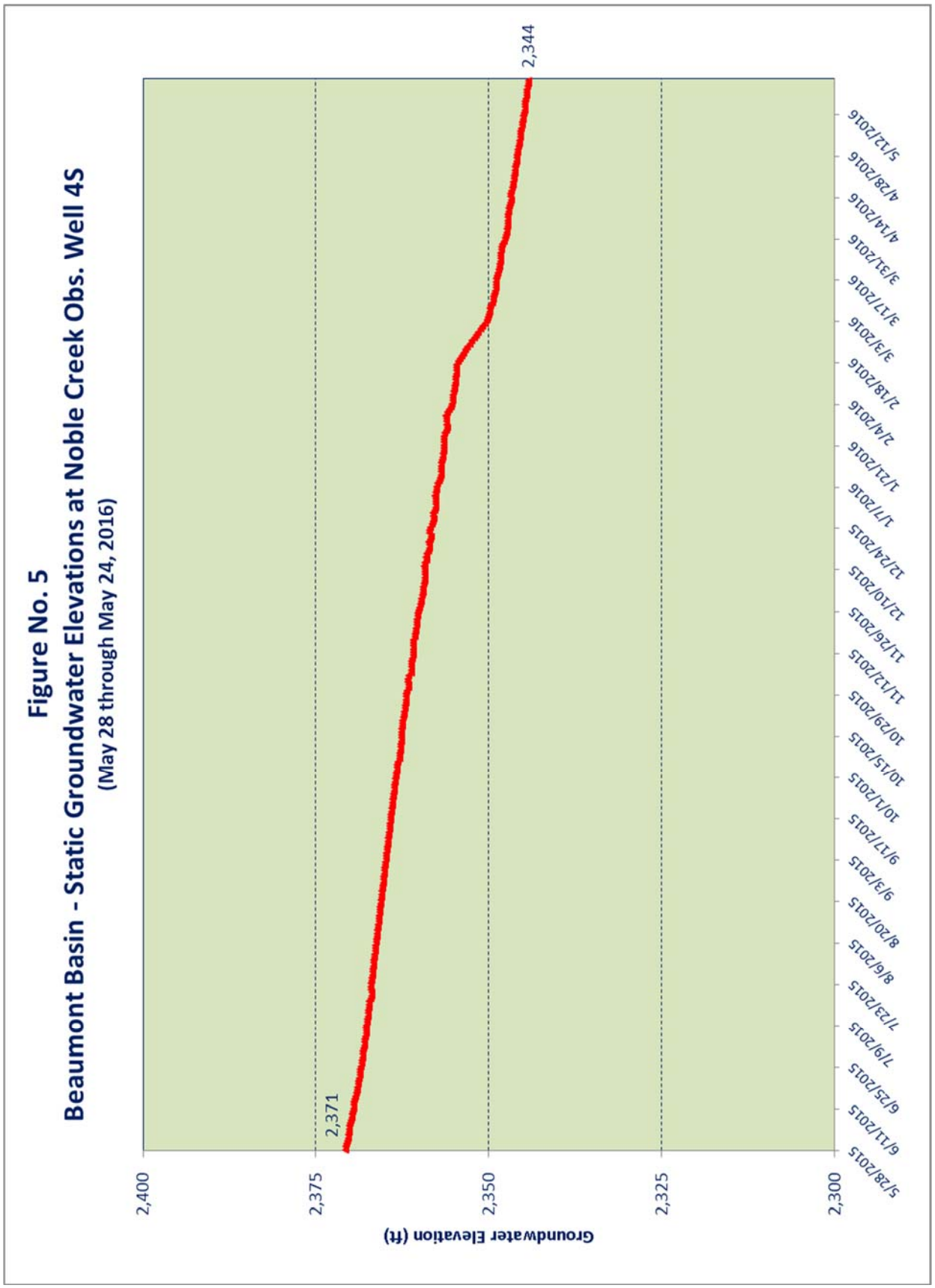
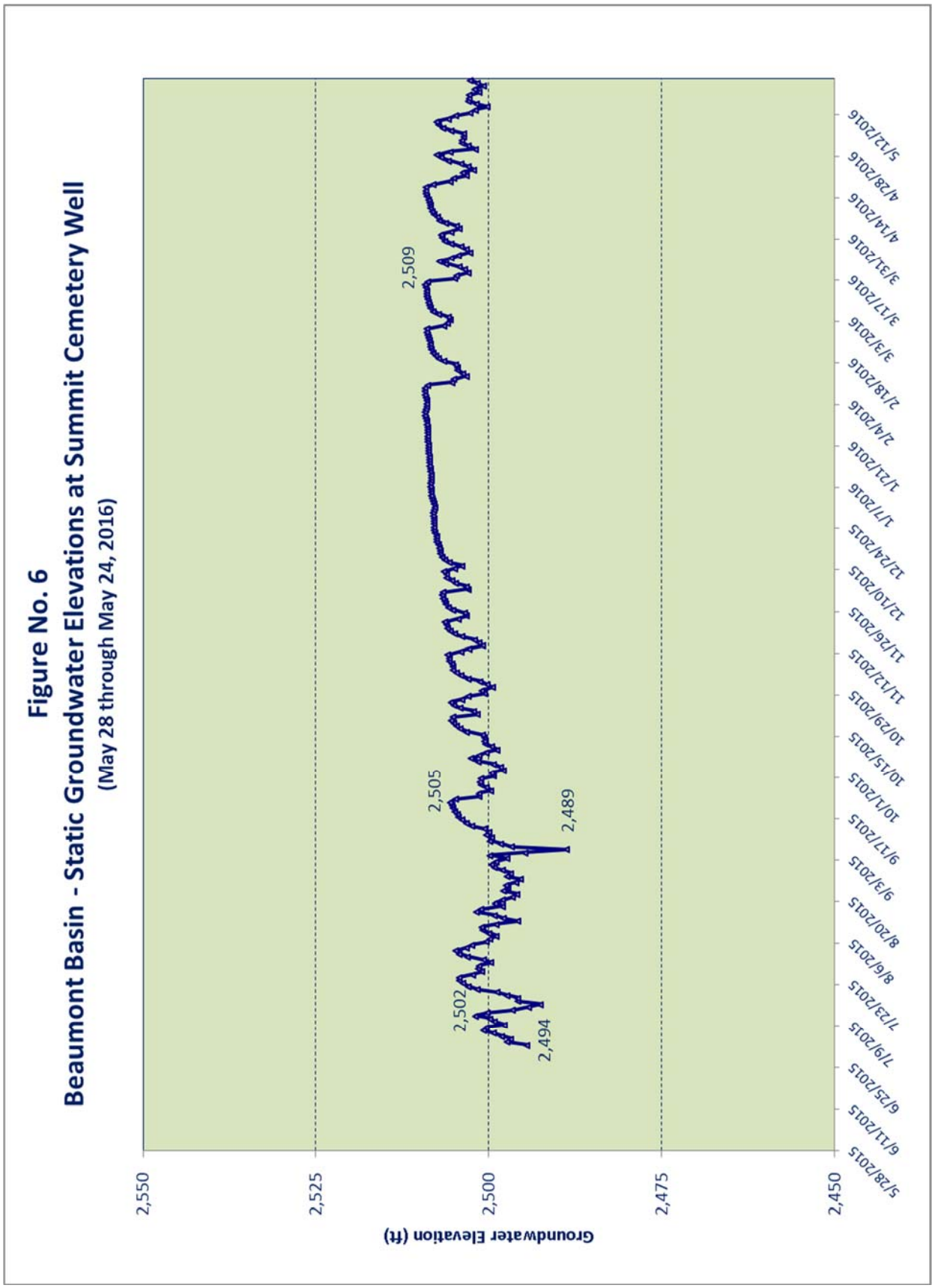


Figure No. 5
Beaumont Basin - Static Groundwater Elevations at Noble Creek Obs. Well 4S
(May 28 through May 24, 2016)
2,344
2,371
2,400
2,375
2,350
2,325
2,300
Groundwater Elevation (ft)
5/28/2015
6/11/2015
6/25/2015
7/9/2015
7/23/2015
8/6/2015
8/20/2015
9/3/2015
9/17/2015
10/1/2015
10/15/2015
10/29/2015
11/12/2015
11/26/2015
12/10/2015
12/24/2015
1/7/2016
1/21/2016
2/4/2016
2/18/2016
3/3/2016
3/17/2016
3/31/2016
4/14/2016
4/28/2016
5/12/2016

Figure No. 6
Beaumont Basin - Static Groundwater Elevations at Summit Cemetery Well
(May 28 through May 24, 2016)



BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 16-09

Date: June 1, 2016

From: Hannibal Blandon, ALDA Inc.

Subject: Status Update on the Refinement of the Beaumont Basin Groundwater Flow Model

Recommendation: No recommendation.

At the April Board meeting, the Watermaster Committee authorized ALDA Inc., in association with Thomas Harder and Company, to conduct a refinement of the groundwater model in the northwest portion of the Beaumont Basin.

The effort to refine the model in that area has been completed and is documented in the attached technical memorandum.

The updated model will be used to determine the change in storage that took place in 2015 and the resulting operating safe yield. As a result of this additional work, production of the annual report will be delay until the August 2016 regular Board meeting.

Technical Memorandum

To: Mr. Hannibal Blandon
Alda Engineering

From: Thomas Harder, P.G., CH.G.
Thomas Harder & Co.

Date: 25-May-16

Re: Status Update on the Refinement of the Beaumont Basin Groundwater Flow Model

The purpose of this Technical Memorandum is to provide an update on the status of calibration refinements for the groundwater flow model of the Beaumont Basin. The model was originally developed and calibrated through 2012 for the purpose of reevaluating the Safe Yield of the Beaumont Basin[1]. Per direction from the Watermaster Board, the model is being updated annually and used to estimate groundwater storage changes for the annual report. Since 2012, model-generated groundwater levels in the northwest portion of the model (specifically well Moreno 6) had begun to deviate from measured groundwater levels (see Figure 1). As a result, annual estimates of change in groundwater storage since 2012 were deviating from actual conditions in this portion of the model. Model refinement was necessary so that storage change estimates would be more representative in this area.

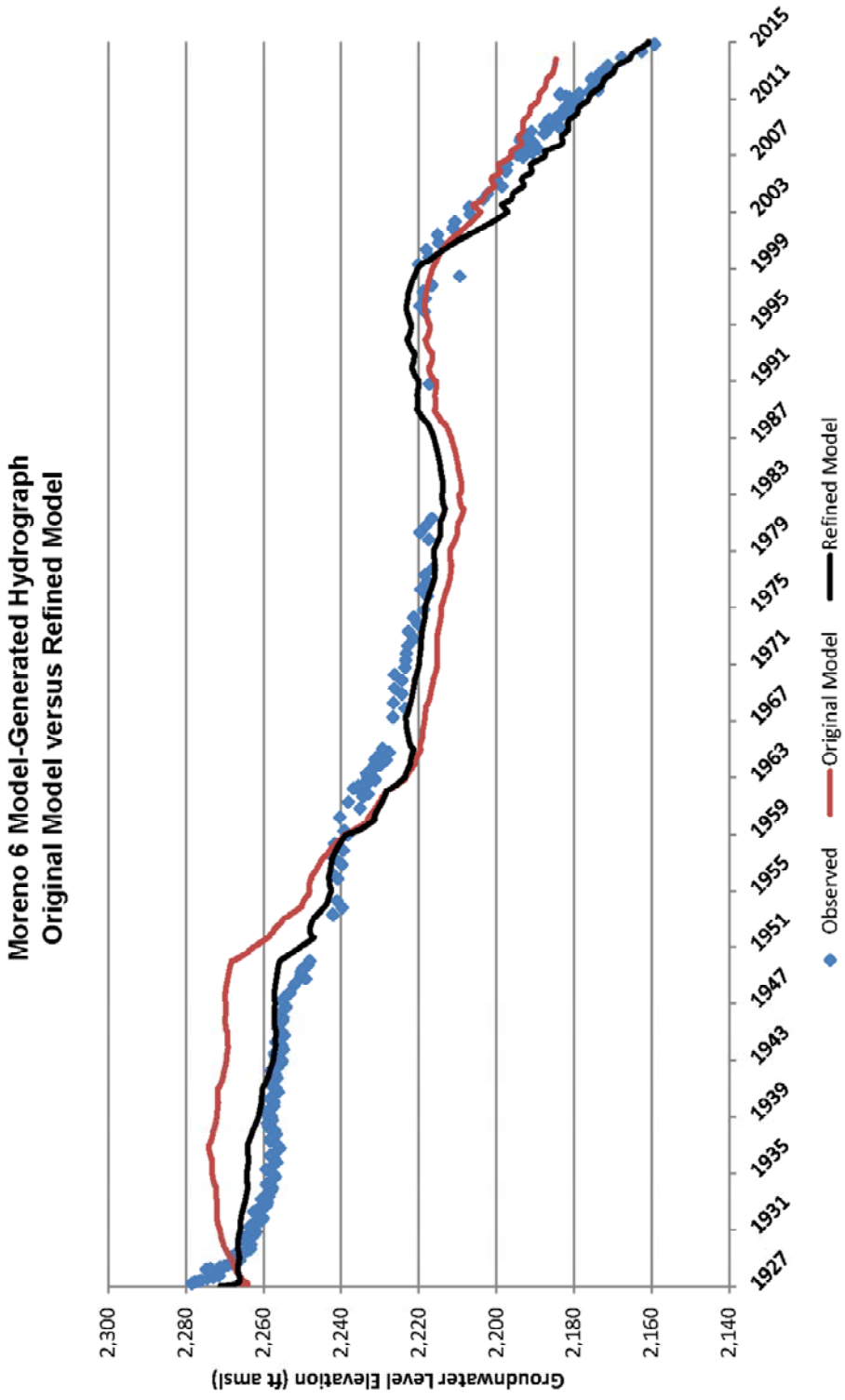
In order to improve the calibration in the northwest portion of the model, Thomas Harder & Company (TH&Co) made adjustments to the shallow aquifer thickness, aquifer parameters, and boundary conditions specific to the area west of the westernmost Beaumont Plains fault. The effects of these localized changes on model calibration are seen on Figure 1. As shown, model-generated groundwater levels at well Moreno 6 are now better calibrated to measured groundwater levels.

TH&Co is currently in the process of using the updated and refined model to estimate the change in groundwater storage for 2015 as part of the 2015 Annual Report.

[1] TH&Co, 2015. 2013 Reevaluation of the Beaumont Basin Safe Yield. Prepared for the Beaumont Basin Watermaster. Dated April 3, 2015.

Thomas Harder & Co.
1260 N. Hancock St., Suite 109
Anaheim, California 92807
(714) 779-3875

Figure 1



Alda, Inc.

25-May-16

Thomas Harder & Co.
Groundwater Consulting

BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 16-10

Date: June 1, 2016

From: Hannibal Blandon, ALDA Inc.

Subject: Engineer's Opinion on the Application by the San Gorgonio Pass Water Agency (SGPWA) for a Groundwater Storage Agreement in the Beaumont Basin

Recommendation: For Information Purposes

At the April Board meeting, copies of SGPWA's application for a groundwater storage agreement in the Beaumont Basin were distributed to members of the Watermaster Committee for their review. Members were informed that this application will be brought for discussion at the regular Board meeting on June 1st, 2016. A copy of the application is attached.

In their application, SGPWA is requesting to store up to 10,000 ac-ft of water in the Beaumont Basin through artificial recharge of water from State Water Project and/or other supplemental water of equal or better quality. The proposed recharge facilities are located in the southwest corner of Brookside Avenue and Beaumont Avenue.

ALDA Inc., in association with Thomas Harder & Company, have conducted an initial review of the documents provided by SGPWA, and would like to offer the following comments for your consideration. Please note that our initial comments are based on our current knowledge of the basin only as no additional calculations or modeling runs have been conducted.

1.- Beaumont Basin Watermaster Resolution No. 2005-01 establishes principles of groundwater storage in the Beaumont Basin by Non-Appropriators. The application by SGPWA addresses each of the four sections outlined in the resolution.

2.- Currently, there are storage agreements with all Appropriators totaling 260,000 ac-ft. In addition, there is a storage agreement with Morongo Band of Mission Indians, a Non-Appropriator, for 20,000 ac-ft. for an overall total of 280,000 ac-ft. in storage agreements. The request by SGPWA to store up to 10,000 ac-ft. in the basin, if approved, will increase the total storage agreements by 3.57 percent to 290,000 ac-ft.

3.- According to the application, the SGPWA will like to construct the spreading facility and take advantage of additional water available through the State Water Project in wet years. The application indicates that the sole purpose of the storage account would be to temporarily store water purchase by SGPWA until it is purchased by

(transferred to) a local retail agency that has a storage account in the Beaumont Basin. Having this water available in SGPWA's account will increase the reliability of supply in the Beaumont Basin as Appropriators could meet their replenishment obligations by buying water from SGPWA through a paper transfer of storage.

4.- In the near term (10-12 years), SGPWA plans to store a maximum of 7,500 ac-ft/yr based on 80 percent plus allocation from the State and additional Article 21 water available in that year and/or additional water that SGPWA could obtain by purchase, transfer or exchange. Ultimately, SGPWA would like to store up to 13,000 ac-ft based on the 20 cfs capacity of its connection.

5.- The storage of imported water in the central portion of the basin could have a positive impact on local water levels; however, storage losses could potentially increase in the long term.

6.- Water quality of the State Water Project is equal to or better than the local groundwater quality in the basin, as documented in the application.

A representative from the SGPWA will be present at the meeting to address any questions that members of the Watermaster Committee may have.

San Gorgonio Pass Water Agency
A California State Water Project Contractor
1210 Beaumont Avenue • Beaumont, CA 92223
Phone (951) 845-2577 • Fax (951) 845-0281

March 14, 2016

Mr. Hanibal Blandon
Alda Engineering
5928 Vineyard Avenue
Rancho Cucamonga, CA 91701

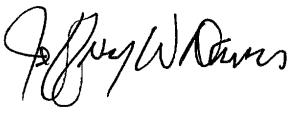
Dear Mr. Blandon:

Enclosed please find six copies of an application for a Beaumont Basin Watermaster storage account on behalf of the San Gorgonio Pass Water Agency. The application itself carries the "DRAFT" designation because we could not find a copy of the application on the Watermaster web site that did not include this.

The Agency has endeavored to provide as complete an application as possible. For the wells in the vicinity, we endeavored to garner as much water level and water quality data as was available from all well owners. We have provided six copies of the application package—one for each member of the Watermaster Board and one for yourself. If you require additional copies, please let me know.

I would be happy to answer any questions regarding this application from yourself or the Watermaster Board. Please place this item on the agenda for the next available Watermaster meeting.

Very truly yours,



BEAUMONT BASIN WATERMASTER

APPLICATION
FOR
GROUNDWATER STORAGE AGREEMENT

1.- APPLICANT INFORMATION

Name of Applicant: San Gorgonio Pass Water Agency

Address for Notice: 1210 Beaumont Ave, Beaumont 92223

Contact Name: Jeff Davis

Title: General Manager

Telephone: 951-845-2577

Fax: 951-845-0281

E-mail Address: jdavis@sgpwa.com

Date of Application: _____

For Staff Use Only		
Date Requested:		
Date Approved:		
Amount Requested:		ac-ft
Amount Approved:		ac-ft
Agreement No.		
Yes [ ] - No [ ]	Analysis and Written Summary Fee Collected	

2.- PROJECT DESCRIPTION – Provide a general description of the groundwater storage project sought under this application including potential impacts and benefits. (Use additional pages if necessary).

See attached

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- N1356.1

3.– AMOUNT REQUESTED: 10,600 acre feet.

4.- PURPOSE OF STORAGE

[ ] Stabilize or reduce future water cost / assessments

[✓] Facilitate utilization of other available sources of supply

[ ] Facilitate replenishment under certain well sites

[ ] Preserve pumping right for a changed future potential use

[ ] Other, explain _____

_____

5.- METHOD OF PLACEMENT IN STORAGE

[✓] Artificial Recharge

[ ] Transfer of Water from One Storage Account to Another Storage Account (If checked, proceed to No. 16 below)

6.- SOURCE OF WATER FOR RECHARGE

[✓] State Water Project [ ] Colorado River

[ ] Captured Storm Water [ ] Recycled Water

[✓] Other, explain Other supplemental water equal or better in quality than SWP water.

Has any portion of the water proposed for storage been characterized as reclaimed water, production from the Beaumont Basin, production from another basin, or in any way claimed as part of a water right or entitlement of any other person or entity? Yes [ ] – No [✓] If YES, please explain in detail.

_____

_____

_____

_____

_____

_____

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- N1356.1

7.- RECHARGE SOURCE WATER QUALITY – Provide a copy of the latest full Title 22 drinking water analysis report documenting the quality of water to be stored as **Attachment A** to this Application. See attached.

8.- METHOD OF RECHARGE

[✓] Surface Spreading Basin(s)

[ ] Injection Well(s)

9.- METHOD OF CONVEYANCE FROM SOURCE TO RECHARGE FACILITY

[ ] Open Unlined Channel

[ ] Open Lined Channel

[✓] Pipeline

10.- LOCATION VICINITY MAP – Include as an **Attachment B** to this Application a project location map at a scale of 1-inch = 2,000 ft or larger. Map shall include, as a minimum, the following, where applicable: See attached.

- ✓ Proposed recharge facilities
- ✓ Existing production, monitoring, and abandoned wells within one mile of project site
- ✓ Existing or proposed raw water conveyance facilities
- ✓ Existing creeks and other water features

11.- CURRENT GROUNDWATER LEVELS – Provide quantitative 5-yr history of static (non-pumping) groundwater levels in the vicinity of proposed storage location. Include groundwater level hydrographs for two or more existing wells located down-gradient of recharge site and within a one-mile radius of proposed storage site. Attach responses as **Attachment C** to this Application. See attached.

12.- CURRENT GROUNDWATER QUALITY – Provide quantitative description of current groundwater quality conditions in the vicinity of proposed storage location including water quality trends for TDS and Nitrate over the last five years. Include copies of the most recent drinking water quality reports for two or more existing wells located down-gradient of recharge site and within a one-mile radius of proposed storage site. Attach responses as **Attachment D** to this Application. See attached.

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- N1356.1

13.- WATER QUANTITY – Provide an estimate of the quantity of water to be stored on an annual basis including estimates for maximum and minimum annual amounts. (Provide attachments to this Application as **Attachment E** for full response as necessary)

See attached.

14.- IMPACTS TO OTHERS – Describe in detail any potential positive/negative impacts to any party to the Stipulated Judgment or any person, entity or property located within or outside the Beaumont Basin that may result from the implementation of this project. (Provide attachments to this Application as **Attachment F** for full response as necessary)

See attached.

15.- ENVIRONMENTAL REVIEW – Indicate whether the proposed water storage operation is subject to review under the California Environmental Quality Act? If so, describe the means of CEQA compliance and attach environmental review documentation and any responsive written review as **Attachment G** to this Application. If not, identify the basis for non-application and/or exemption.

See attached resolution and CD.

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- NI356.1

16.–TRANSFERS OF WATER FROM ONE STORAGE ACCOUNT TO ANOTHER

From: See attached.

To: _____

17. – CRITERIA ESTABLISHED BY WATERMASTER RESOLUTION 2005-01 – If the Applicant is not an Appropriator pursuant to Exhibit C of the 2004 Stipulated Judgment in Riverside Superior Court Case No. RIC 389197 that created Watermaster, provide a complete, narrative response to each of the criteria identified in Section 2 Preferred Groundwater Storage and Section 3 Types of Groundwater Storage Programs of Watermaster Resolution No. 2005-01, which can be found on the website: www.beaumontbasinwatermaster.org under the tab "Documents & Publications" (Provide attachments to this Application as **Attachment H** for full response as necessary)

See attached.

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- N1356.1

18. LIST OF ATTACHMENTS

Required Attachments

A.- Complete Title 22 Drinking Water Analysis (Per Section 7)

B.- Vicinity Map – Minimum Scale: 1"=2,000 ft (Per Section 10)

C.- 5-year history of static water levels in the vicinity of project recharge facilities (Per Section 11)

D.- Current groundwater quality in the vicinity of project recharge facilities (Per Section 12)

E.- Annual estimates of water to be recharged (Per Section 13)

F.- Description of positive or negative impacts resulting from project implementation (Per Section 14)

G.- Environmental Review Documentation (Per Section 15)

Additional Attachments (as Applicable and/or Necessary)

H.- Watermaster Resolution No. 2005-01 Supporting Documentation (Per Section 17)

I.- _____

J.- _____

K.- _____

L.- _____

M.- _____

N.- _____

THIS APPLICATION IS SUBJECT TO REVIEW AND FURTHER CONSIDERATION BY WATERMASTER; APPLICANT IS SOLELY RESPONSIBLE TO PROVIDE WATERMASTER WITH COMPREHENSIVE INFORMATION

3553398.1 -- N1356.1

Beaumont Basin Watermaster

Application for Groundwater Storage Agreement

San Gorgonio Pass Water Agency

Supplemental Information

2. PROJECT DESCRIPTION

The San Gorgonio Pass Water Agency's Beaumont Avenue Recharge Facility is a planned conjunctive use facility located at the southwest corner of Beaumont Avenue and Brookside Avenue in Beaumont. The planned facility consists of five recharge ponds, an approximately 8000 foot long pipeline, and a 20-cfs connection to the East Branch Extension.

The Agency is constructing the facility in order to be able to take advantage of the additional water available through the State Water Project in wet years. Its planned operation would be for the Agency to purchase water in wet years that would or could not be purchased by local retail agencies, or that is purchased by a retail water agency that does not have access to a recharge facility. For water that is purchased by others, it would go directly into their storage account. For any water purchased by the Agency, whether it is Table A water, Article 21 water, or any other type of water, it would be placed into the Agency's proposed storage account, to be later purchased in situ by a local retail water agency that has its own storage account. In this case, purchase of the water from the Agency would be a transfer of the water from the Agency's storage account to the retail water agency's storage account.

The Agency does not own or operate any extraction facilities, so the Agency would not extract any of the water from its storage account. The sole purpose of the storage account would be to temporarily store water purchased by the Agency until it is purchased by (transferred to) a local retail water agency that has a storage account in the Beaumont Basin.

The Agency foresees no negative impacts on the Beaumont Basin or any member of the Watermaster through the construction and operation of this facility. Rather, it increases the ability of Watermaster and its members to bring supplemental water into the basin. With the completion of Phase 2 of the East Branch Extension, the Agency will have 64 cfs of capacity to import water to the region. At the present time only 20 cfs can be removed from the pipeline for beneficial use as groundwater recharge. Thus, additional connected capacity is required in order to take advantage of the additional carrying capacity being constructed in Phase 2 of the East Branch Extension.

3. AMOUNT REQUESTED

At this time, the Agency is only requesting 10,000 AF for its storage account. If at some point in the future it would be beneficial to the region to increase this volume, the Agency would at that time apply to the Watermaster to increase the volume of the storage account.

The Agency feels that 10,000 should be sufficient for the immediate future, as it is expected that any water purchased by the Agency for its storage account would be purchased very shortly thereafter by a member of the Watermaster. Thus, water is not expected to stay in the account for long.

4. PURPOSE OF STORAGE

The overall purpose of the storage is to augment the total storage in the basin. A secondary purpose is to facilitate utilization of other available sources of supply, such as Article 21 water or other water sources that the Agency may import to the region.

5. METHOD OF PLACEMENT IN STORAGE

See Application

6. SOURCE OF WATER FOR RECHARGE

See Application

7. RECHARGE SOURCE WATER QUALITY

Even though the water will not be used for potable purposes, attached is a Title 22 water quality analysis on water from Silverwood Lake, which is the source of the water that will be recharged in this proposed facility (it is also the source for all water delivered by the Agency to Watermaster members). The data is for 2004 through 2013 and is derived from the Metropolitan Water District of Southern California.

The data indicate that the source water is equal to or better than ambient basin water quality.

8. METHOD OF RECHARGE

See Application

9. METHOD OF CONVEYANCE FROM SOURCE TO RECHARGE FACILITY

See Application.

10. LOCATION VICINITY MAP

See attached map.

11. CURRENT GROUNDWATER LEVELS

See attached Excel spread sheet, which includes all available groundwater level data for the six selected wells from 2009 through 2014.

12. CURRENT GROUNDWATER QUALITY

See attached Excel spread sheet, which includes nitrate and TDS data available from the six selected wells from 2009 through 2015.

13. WATER QUANTITY (Attachment E)

The volume of water recharged in any year could vary from zero (in some years) to as much as 13,000 acre-feet (well in the future). The 13,000 acre-feet comes from the capacity of the connection (20 cfs). This could only happen in the future when our capacity in EBX has increased and when we have procured additional sources of water.

In the near term (the next 10-12 years), the most that we would expect to recharge would be 7,500 acre-feet per year. This would only occur in a year when we get 100% allocation from the state and there is additional Article 21 water available in that year. Or, alternatively, it could occur in a year when we get a high SWP allocation (80% or higher), plus Article 21 water, plus additional water that we would obtain in the future by purchase, transfer, or exchange.

It is likely that most of this water will go directly into storage accounts of Watermaster members who would purchase the water from the Agency. Any water available to the region that is not purchased by retail water districts would be purchased by the Agency and placed into the Agency's storage account, from where it would be transferred to a Watermaster member upon purchase.

14. IMPACTS TO OTHERS (Attachment F)

The impacts to others would only be positive. Storing more water in the ground than could otherwise be placed there will raise groundwater elevations, helping to preserve the basin and reducing pumping costs to appropriators and overliers alike. It is anticipated that most or all water in the account will be transferred to an account of a Watermaster member within a short time.

Basin losses due to use of this proposed facility are anticipated to be minimal or nonexistent.

During the EIR we analyzed potential damage to any homes that might be constructed on adjacent land in the future and found that this would not occur.

15. ENVIRONMENTAL REVIEW (Attachment G)

See attached EIR on CD, certified by the Agency Board of Directors on October 21, 2013. Also attached is Agency Resolution 2013-13, certifying the EIR.

RESOLUTION NO. 2013-13

A RESOLUTION OF THE SAN GORGONIO PASS WATER AGENCY CERTIFYING THE DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE BEAUMONT AVENUE RECHARGE FACILITY AND PIPELINE PROJECT; ADOPTING ENVIRONMENTAL FINDINGS PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT; ADOPTING A MITIGATION MONITORING AND REPORTING PROGRAM; ADOPTING A STATEMENT OF PROJECT BENEFITS; AND APPROVING THE BEAUMONT AVENUE RECHARGE FACILITY AND PIPELINE PROJECT

WHEREAS, the San Gorgonio Pass Water Agency (the "Agency" or "SGPWA") is a state water contractor, that was formed with the purpose of importing water from the State Water Project ("SWP") into the San Gorgonio Pass area in 1961, the Agency's service area encompasses approximately 228 square miles and includes the Cities of Beaumont, Calimesa, and Banning, as well as the unincorporated areas of Cherry Valley, Cabazon, Poppet Flat, Banning Bench, and San Timoteo and Live Oak Canyons; and

WHEREAS, the most heavily developed portion of the Agency's service area, the Beaumont Basin, is currently experiencing an overdraft condition; and

WHEREAS, In 2003, Phase I of SWP's East Branch Extension ("EBX") was completed, bringing raw SWP water into SGPWA's service area; however, the capacity of Phase I allows for a maximum of approximately 12,000 acre feet per year ("AFY") of the Agency's existing SWP supply contract Table A amount (17,300 AFY); and

WHEREAS, In response to these conditions, the Agency proposes to construct a groundwater recharge facility on a vacant, undeveloped property in the City of Beaumont, California, to increase recharge capabilities with the delivery SWP water, as well as other supplemental water sources via a proposed pipeline and service connection facility and to enable the Agency to replenish the groundwater basin and provide water supply for the ongoing and projected needs of the Agency's service area (the "Project").

WHEREAS, pursuant to section 21067 of the Public Resources Code, and section 15367 of the State CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et seq.), the Agency is the lead agency for the Project; and

WHEREAS, the Agency solicited comments, including details about the scope and content of the environmental information, as well as potential feasible mitigation measures, from responsible agencies, trustee agencies, and the public, in a Notice of Preparation ("NOP") for the EIR for the Project, which was issued on November 13, 2012 and circulated for a period of 30 days pursuant to State CEQA Guidelines sections 15082, subdivision (a) and 15375; and

WHEREAS, the Agency's Statement of Project Benefits is attached hereto as Exhibit "B"; and

WHEREAS, the Agency's Mitigation Monitoring and Reporting Program setting forth the mitigation measures to which the Agency shall bind itself in connection with the Project is attached hereto as Exhibit "C"; and

WHEREAS, the EIR reflects the independent judgment of the Agency and is fully adequate for purposes of making decisions on the merits of the Project; and

WHEREAS, the Agency has not received any comments or other information constituting substantial new information requiring recirculation of the EIR pursuant to Public Resources Code section 21092.1 and State CEQA Guidelines section 15088.5; and

WHEREAS, on October 21, 2013 the Agency conducted a duly noticed public meeting at which the Project was considered, at which time all persons wishing to testify were heard, and the Project was fully considered; and

WHEREAS, all other legal prerequisites to the adoption of this Resolution have occurred.

THE BOARD OF DIRECTORS OF THE SAN GORGONIO PASS WATER AGENCY DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1 – Consideration of EIR. The Agency finds that it has reviewed and considered the EIR (including the comment letters, responses to comments, and errata) in evaluating the Project's potential impacts; that the EIR has been completed in full compliance with CEQA, the State CEQA Guidelines, and the Agency's local procedures for implementing CEQA; and that the EIR reflects the independent judgment and analysis of the Agency.

SECTION 2 - Recirculation. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby finds that no evidence of new significant impacts or any other "significant new information" as defined by State CEQA Guidelines section 15088.5 has been received by the Agency after circulation of the Draft EIR which would require recirculation.

SECTION 3 – CEQA Findings. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby adopts the written CEQA Findings attached hereto as Exhibit "A" to this Resolution.

SECTION 4 – Project Benefits. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby adopts the Statement of Project Benefits attached as Exhibit "B" to this Resolution.

SECTION 5 – Certification of EIR. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby certifies the EIR and finds that the implementation of the Project will not have any significant and unavoidable environmental effects. All potentially significant environmental impacts have been analyzed

in the EIR and will be mitigated to a level of less than significant. Additionally, the Board finds that a range of reasonable and potentially feasible alternatives to the Project were fully analyzed in the EIR, but are rejected in favor of the Project.

SECTION 6 - MMRP. Pursuant to Public Resources Code section 21081.6, the Agency adopts the Mitigation Monitoring and Reporting Plan attached as Exhibit "C" to this Resolution. In the event of any inconsistencies between the mitigation measures as set forth in the EIR or the CEQA Findings in Exhibit A and the Mitigation Monitoring and Reporting Plan, the Mitigation Monitoring and Reporting Plan shall control.

SECTION 7 – Project Approval. Based on the entire record before the Agency, all written and oral evidence presented, the CEQA Findings, the Statement of Project Benefits, and Mitigation Monitoring Reporting Plan, and all other evidence, the Agency hereby approves the Beaumont Avenue Recharge Facility and Pipeline Project.

SECTION 8 – Custodian of Record. The documents and materials that constitute the record of proceedings on which this Resolution has been based are located at the San Gorgonio Pass Water Agency, 1210 Beaumont Ave., Beaumont, CA 92223. The custodian for these records is Jeff Davis, General Manager. This information is provided in compliance with Public Resources Code section 21081.6.

SECTION 9 – Notice of Determination. Agency staff shall cause a Notice of Determination to be filed and posted with the Clerk of the County of Riverside and the State Clearinghouse within five (5) working days of Project approval.

ADOPTED AND APPROVED this 21st day of October, 2013.

President, Board of Directors
San Gorgonio Pass Water Agency

ATTEST:

Secretary, Board of Directors
San Gorgonio Pass Water Agency

APPROVED AS TO FORM:

General Counsel
San Gorgonio Pass Water Agency

55397.00016\8289065.4

16. TRANSFERS OF WATER FROM ONE STORAGE ACCOUNT TO ANOTHER

We anticipate that virtually all of the water that will be placed in this storage account will be transferred to storage accounts of Watermaster members via purchase of the water from the Agency.

17. CRITERIA ESTABLISHED BY WATERMASTER RESOLUTION 2005-01

Watermaster Resolution 2005-01 establishes principles of groundwater storage in the Beaumont Basin by non-Appropriators. The Agency is a non-Appropriator.

Section 2 of this resolution identifies groundwater storage projects that are given a preference. The following addresses each of the various types of storage and how the Agency's proposed project relates to that type of storage.

a. Increase the reliability of water supplies. The Agency's proposed project will increase the reliability of water supplies by both providing additional storage capacity in the Basin and by providing additional connected capacity to the State Water Project. More water would be able to be stored in wet years, thus increasing the reliability of available supplies.
b. Reduce the cost of enhancing the reliability of water supplies. The Agency's proposed facility will be funded up front with general fund revenues, to be reimbursed later (80% of costs) with developer fees. The cost of the project is not borne by water ratepayers, but by new growth and by general fund tax revenues that will be spent on this project as opposed to other expenditures that do not enhance reliability. Thus, the overall cost of enhancing reliability will be reduced for water ratepayers.
c. Is proposed by, or is conducted for the benefit of, ratepayers. This project is proposed by the Agency and will benefit any purveyor that has a storage account in the Beaumont Basin, along with the ratepayers of those purveyors. While proposed as a project that benefits the entire region, it would have the benefit of benefitting ratepayers as the region would get additional storage and enhanced reliability without the use of ratepayer funds.
d. Financially benefit ratepayers. The Agency's proposed project does not directly benefit water ratepayers but indirectly benefits them as additional storage would be made available using funds that are not from water rates.
e. Will not injure existing Overlying and Appropriative Water Rights. The proposed project would not injure any party as it does not draw water out of the basin but enables any local water purveyor to add to storage in the basin. All appropriators and overliers should benefit from additional storage and from more reliability.
f. Will not waste water. The proposed project is intended to prevent wasting water by enabling any party in the region, including any retail water purveyor or the Agency, to import all available water in wet years so that no State Water Project water gets left in Northern California to potentially be wasted in a future year.
g. Will generate revenue to purchase rights to additional Supplemental Water and/or construct facilities for direct delivery of Supplemental Water or the percolation of Supplemental Water into the Beaumont Basin. The intent of the project is to enable the region to store more water, not necessarily to generate revenues.
h. Will not impair future opportunities to store water in the Beaumont Basin. There is no reason that the proposed project would impair future opportunities to store water in the Beaumont Basin. If constructed, it would not prohibit any entity from constructing additional storage facilities, if needed. Studies indicate that it will not impact the ability of BCVWD to store water at its facility adjacent to the proposed site.

Section 3 of the resolution addresses types of storage projects, and states that the Watermaster will consider two types of storage programs:

- Projects which propose to rent Groundwater Storage Capacity in the Beaumont Basin—revenue generated thereby shall be used to fund capital facilities; and
- Projects which proposed the sale of Temporary Surplus—revenue generated thereby shall be used to purchase the rights to additional Supplemental Water supplies.

Agency staff has discussed this with Watermaster staff and it is not immediately clear to either what this section of the resolution is referring to. Agency staff has tried to determine if any other entity has addressed this issue in any previous application or related to construction of any facility, and has been unable to find a record of this.

Agency staff would be pleased to discuss this issue with the Watermaster so that this may be fully addressed as part of this application.

Attachment A

Year	Units	Minimum Reporting Limit	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average
Aluminum	ug/L	10	102	111	178	41	43	26	57	125	38	32	75
Antimony	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	0.5	2.5	2.1	1.9	2.6	3.7	4.0	2.8	1.6	2.1	2.9	2.6
Barium	ug/L	5	34	37	28	36	39	34	30	26	30	36	33
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.1	0.0	0.4	0.9	0.0	0.0	0.0	0	0	0	0	0.1
Chromium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium-6	ug/L	0.03	0.1	0.1	0.1	0.2	0.6	0.4	0.24	0.06	0.1	0.18	0.2
Copper	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	50	75	119	ND	ND	ND	ND	ND	88	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lithium	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	ug/L	5	14	17	19	22	18	24	16	16	24	24	19
Mercury	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	2	ND	ND	ND	ND	3.0	2.5	ND	ND	ND	ND	ND
Nickel	ug/L	2	ND	2.5	2.0	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Strontium	ug/L	20	201	219	163	223	294	248	194	151	186	258	214
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	1	5.0	4.2	3.2	4.5	7.2	6.7	4.4	3	3.3	4.8	4.6
Zinc	ug/L	20	ND	ND	21.5	ND	ND	ND	ND	ND	ND	ND	ND
Average Annual values													

	GROSS ALPHA	GROSS BETA	RADIUM226	RADIUM228	COMBINED RADIUM	STRONTIUM90	TRITIUM	TOTAL URANIUM	RADON222
Minimum Reporting Limit	**3**	**4**	**1**	**1**	**1**	**2**	**1000**	**1**	**100**
Year Sampled									
2011	ND	4.4	ND	ND	ND	ND	ND	1	ND
2008	3.5	4.2	ND	ND	ND	ND	ND	2.7	ND
2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
Units - picoCuries per liter (pCi/L)									
Average annual values									

SITELOC	SAMPLE_DATE	Perchlorate	MBAS	Asbestos	Cyanide	Odor
Minimum Reporting Limit		**2**	**0.05**	**0.2**	**0.01**	**1**
Units		**ug/L**	**mg/L**	**mF/l**	**mg/L**	
SILVERWOOD LAKE	April-05	ND	ND		ND	12
SILVERWOOD LAKE	June-05		ND			
SILVERWOOD LAKE	July-05	ND				
SILVERWOOD LAKE	October-05			ND		
SILVERWOOD LAKE	October-05	ND				
SILVERWOOD LAKE	January-06	ND				
SILVERWOOD LAKE	April-06	ND	ND		ND	12
SILVERWOOD LAKE	July-06	ND				
SILVERWOOD LAKE	October-06	ND		ND		
SILVERWOOD LAKE	January-07	ND				
SILVERWOOD LAKE	April-07	ND	ND		ND	14
SILVERWOOD LAKE	July-07	ND				
SILVERWOOD LAKE	October-07	ND		ND		
SILVERWOOD LAKE	January-08	ND				
SILVERWOOD LAKE	April-08	ND	ND		ND	12
SILVERWOOD LAKE	July-08	ND				
SILVERWOOD LAKE	October-08	ND		ND		
SILVERWOOD LAKE	January-09	ND				
SILVERWOOD LAKE	April-09	ND	0.05	ND	ND	8
SILVERWOOD LAKE	July-09	ND				
SILVERWOOD LAKE	October-09	ND				
SILVERWOOD LAKE	January-10	ND				
SILVERWOOD LAKE	April-10	ND	ND		ND	14
SILVERWOOD LAKE	July-10	ND				
SILVERWOOD LAKE	January-11	ND				
SILVERWOOD LAKE	April-11	ND	ND		ND	12
SILVERWOOD LAKE	July-11	ND				
SILVERWOOD LAKE	January-12	ND				
SILVERWOOD LAKE	April-12	ND	ND		ND	12
SILVERWOOD LAKE	July-12	ND				
SILVERWOOD LAKE	October-12	ND				
SILVERWOOD LAKE	January-13	ND				
SILVERWOOD LAKE	April-13	ND	ND		ND	12
SILVERWOOD LAKE	July-13	ND			ND	
SILVERWOOD LAKE	October-13	ND				
AVERAGE		**ND**	**ND**	**ND**	**ND**	**12**

Volatile Organic Compounds	2004-2013
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromodichloromethane	ND
Bromoform	ND
Bromomethane (Methyl bromide)	ND
sec-Butylbenzene	ND
n-Butylbenzene	ND
tert-Butylbenzene	ND
Carbon Tetrachloride	ND
Chlorobenzene or monochlorobenzene	ND
Chlorodibromomethane*	ND
Chloroethane	ND
Chloroform	ND
Chloromethane or methyl chloride	ND
2-Chlorotoluene or o-Chlorotoluene	ND
4-Chlorotoluene or p-Chlorotoluene	ND
Dibromomethane	ND
1,2-Dichlorobenzene (o)	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene (p)	ND
1,2-Dichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
Dichlorodifluoromethane (FREON 12)	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND
1,3-Dichloropropene (or 1,3-Dichloropropylene)	ND
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND
ETBE (Ethyl tertiary butyl ether)	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
p-Isopropyltoluene	ND
MEK (or 2-BUTANONE)	ND
Methylene Chloride	ND
MTBE	ND
Naphthalene	ND
Nitrobenzene	ND

n-Propylbenzene	ND
Styrene	ND
TAME (Tertiary amyl methyl ether)	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND
Trichloroethene (or trichloroethylene)	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (FREON 113)	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
Vinyl Chloride	ND
Xylenes (single isomer or sum of isomers)	ND
m,p-xylene	ND
o-xylene	ND
Organochlorine Pesticides	
Alachlor	ND
Aldrin	ND
Chlordane	ND
Chlorothanlonil	ND
Dieldrin	ND
Endrin	ND
Heptachlor	ND
Heptachlor Epoxide	ND
Hexachlorobenzene	ND
Hexachlorocyclopentadiene	ND
Lindane	ND
Methoxychlor	ND
Polychlorinated Biphenyls	ND
Propachlor	ND
Toxaphene	ND
Fumigants	
Ethylene dibromide (EDB)	ND
Dibromochloropropane (DBCP) (1,2-dibromo-3-chloropropane)	ND
Organochlorine Herbicides	

Bentazon	ND
2,4-D	ND
Dalapon	ND
Dicamba	ND
Dinoseb	ND
Pentachlorophenol	ND
Picloram	ND
Silvex	ND
Carbamate Pesticides	
Diuron	ND
Aldicarb	ND
Aldicarb sulfone	ND
Aldicarb sulfoxide	ND
Baygon (aka Propoxur)	ND
Carbofuran	ND
Carbaryl	ND
3-hydroxycarbofuran	ND
Methomyl	ND
Oxamyl (Vydate)	ND
Miscellaneous	
Diquat	ND
Endothall	ND
Glyphosate	ND
2,3,7,8-TCDD Dioxin	ND
Nitrogen/Phosphorus Pesticides	
Atrazine	ND
Bromacil	ND
Butachlor	ND
Diazinon	ND
Dimethoate	ND
Malathion	ND
Metolachlor	ND
Metribuzin	ND
Molinate	ND
Prometryn	ND
Simazine	ND
Thiobencarb	ND

	GROSS ALPHA	GROSS BETA	RADIUM226	RADIUM228	COMBINED RADIUM	STRONTIUM90	TRITIUM	TOTAL URANIUM	RADON222
Minimum Reporting Limit	**3**	**4**	**1**	**1**	**1**	**2**	**1000**	**1**	**100**
Year Sampled									
2011	ND	4.4	ND	ND	ND	ND	ND	1	ND
2008	3.5	4.2	ND	ND	ND	ND	ND	2.7	ND
2005	ND	ND	ND	ND	ND	ND	ND	ND	ND

Units - picoCuries per liter (pCi/L)
Average annual values

SITELOC	SAMPLE_DATE	Perchlorate	MBAS	Asbestos	Cyanide	Odor
Minimum Reporting Limit		**2**	**0.05**	**0.2**	**0.01**	**1**
Units		**ug/L**	**mg/L**	**mF/l**	**mg/L**	
SILVERWOOD LAKE	April-05	ND	ND		ND	12
SILVERWOOD LAKE	June-05		ND			
SILVERWOOD LAKE	July-05	ND				
SILVERWOOD LAKE	October-05			ND		
SILVERWOOD LAKE	October-05	ND				
SILVERWOOD LAKE	January-06	ND				
SILVERWOOD LAKE	April-06	ND	ND		ND	12
SILVERWOOD LAKE	July-06	ND				
SILVERWOOD LAKE	October-06	ND		ND		
SILVERWOOD LAKE	January-07	ND				
SILVERWOOD LAKE	April-07	ND	ND		ND	14
SILVERWOOD LAKE	July-07	ND				
SILVERWOOD LAKE	October-07	ND		ND		
SILVERWOOD LAKE	January-08	ND				
SILVERWOOD LAKE	April-08	ND	ND		ND	12
SILVERWOOD LAKE	July-08	ND				
SILVERWOOD LAKE	October-08	ND		ND		
SILVERWOOD LAKE	January-09	ND				
SILVERWOOD LAKE	April-09	ND	0.05	ND	ND	8
SILVERWOOD LAKE	July-09	ND				
SILVERWOOD LAKE	October-09	ND				
SILVERWOOD LAKE	January-10	ND				
SILVERWOOD LAKE	April-10	ND	ND		ND	14
SILVERWOOD LAKE	July-10	ND				
SILVERWOOD LAKE	January-11	ND				
SILVERWOOD LAKE	April-11	ND	ND		ND	12
SILVERWOOD LAKE	July-11	ND				
SILVERWOOD LAKE	January-12	ND				
SILVERWOOD LAKE	April-12	ND	ND		ND	12
SILVERWOOD LAKE	July-12	ND				
SILVERWOOD LAKE	October-12	ND				
SILVERWOOD LAKE	January-13	ND				
SILVERWOOD LAKE	April-13	ND	ND		ND	12
SILVERWOOD LAKE	July-13	ND			ND	
SILVERWOOD LAKE	October-13	ND				
AVERAGE		**ND**	**ND**	**ND**	**ND**	**12**

Volatile Organic Compounds	2004-2013
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromodichloromethane	ND
Bromoform	ND
Bromomethane (Methyl bromide)	ND
sec-Butylbenzene	ND
n-Butylbenzene	ND
tert-Butylbenzene	ND
Carbon Tetrachloride	ND
Chlorobenzene or monochlorobenzene	ND
Chlorodibromomethane*	ND
Chloroethane	ND
Chloroform	ND
Chloromethane or methyl chloride	ND
2-Chlorotoluene or o-Chlorotoluene	ND
4-Chlorotoluene or p-Chlorotoluene	ND
Dibromomethane	ND
1,2-Dichlorobenzene (o)	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene (p)	ND
1,2-Dichloroethane	ND
1,1-Dichloroethane	ND
1,1-Dichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
Dichlorodifluoromethane (FREON 12)	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND
1,3-Dichloropropene (or 1,3-Dichloropropylene)	ND
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND
ETBE (Ethyl tertiary butyl ether)	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
p-Isopropyltoluene	ND
MEK (or 2-BUTANONE)	ND
Methylene Chloride	ND
MTBE	ND
Naphthalene	ND
Nitrobenzene	ND

n-Propylbenzene	ND
Styrene	ND
TAME (Tertiary amyl methyl ether)	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND
Trichloroethene (or trichloroethylene)	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (FREON 113)	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
Vinyl Chloride	ND
Xylenes (single isomer or sum of isomers)	ND
m,p-xylene	ND
o-xylene	ND
Organochlorine Pesticides	
Alachlor	ND
Aldrin	ND
Chlordane	ND
Chlorothanlonil	ND
Dieldrin	ND
Endrin	ND
Heptachlor	ND
Heptachlor Epoxide	ND
Hexachlorobenzene	ND
Hexachlorocyclopentadiene	ND
Lindane	ND
Methoxychlor	ND
Polychlorinated Biphenyls	ND
Propachlor	ND
Toxaphene	ND
Fumigants	
Ethylene dibromide (EDB)	ND
Dibromochloropropane (DBCP) (1,2-dibromo-3-chloropropane)	ND
Organochlorine Herbicides	

Bentazon	ND
2,4-D	ND
Dalapon	ND
Dicamba	ND
Dinoseb	ND
Pentachlorophenol	ND
Picloram	ND
Silvex	ND
Carbamate Pesticides	
Diuron	ND
Aldicarb	ND
Aldicarb sulfone	ND
Aldicarb sulfoxide	ND
Baygon (aka Propoxur)	ND
Carbofuran	ND
Carbaryl	ND
3-hydroxycarbofuran	ND
Methomyl	ND
Oxamyl (Vydate)	ND
Miscellaneous	
Diquat	ND
Endothall	ND
Glyphosate	ND
2,3,7,8-TCDD Dioxin	ND
Nitrogen/Phosphorus Pesticides	
Atrazine	ND
Bromacil	ND
Butachlor	ND
Diazinon	ND
Dimethoate	ND
Malathion	ND
Metolachlor	ND
Metribuzin	ND
Molinate	ND
Prometryn	ND
Simazine	ND
Thiobencarb	ND

Year	Units	Minimum Reporting Limit	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average
Aluminum	ug/L	10	102	111	178	41	43	26	57	125	38	32	**75**
Antimony	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Arsenic	ug/L	0.5	2.5	2.1	1.9	2.6	3.7	4.0	2.8	1.6	2.1	2.9	**2.6**
Barium	ug/L	5	34	37	28	36	39	34	30	26	30	36	**33**
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Cadmium	ug/L	0.1	0.0	0.4	0.9	0.0	0.0	0.0	0	0	0	0	**0.1**
Chromium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Chromium-6	ug/L	0.03	0.1	0.1	0.1	0.2	0.6	0.4	0.24	0.06	0.1	0.18	**0.2**
Copper	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Iron	ug/L	50	75	119	ND	ND	ND	ND	ND	88	ND	ND	**ND**
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Lithium	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Manganese	ug/L	5	14	17	19	22	18	24	16	16	24	24	**19**
Mercury	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Molybdenum	ug/L	2	ND	ND	ND	ND	3.0	2.5	ND	ND	ND	ND	**ND**
Nickel	ug/L	2	ND	2.5	2.0	ND	ND	ND	ND	ND	ND	ND	**ND**
Selenium	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Silver	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Strontium	ug/L	20	201	219	163	223	294	248	194	151	186	258	**214**
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**ND**
Vanadium	ug/L	1	5.0	4.2	3.2	4.5	7.2	6.7	4.4	3	3.3	4.8	**4.6**
Zinc	ug/L	20	ND	ND	21.5	ND	ND	ND	ND	ND	ND	ND	**ND**

Average Annual values

LOCATION	REPORT_DATE	BICARBONATE	BORON	BROMIDE	CALCIUM	CARBONATE	CHLORIDE	COLOR	FLUORIDE	FREE_CO2
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SILVERWOOD LAKE	Dec-13	95		0.33	22	0	100		0.1	2.1
SILVERWOOD LAKE	Nov-13	89		0.35	19	0	107		0.1	1.4
SILVERWOOD LAKE	Oct-13	93		0.3	19	0	92	10	0.1	0.7
SILVERWOOD LAKE	Sep-13	85		0.21	20	6	68		0.1	0.2
SILVERWOOD LAKE	Aug-13	84		0.2	23	10	66		0.1	0.2
SILVERWOOD LAKE	Jul-13	100		0.23	25	4	73	7	0.1	0.5
SILVERWOOD LAKE	Jun-13	105		0.23	27	2	71		0.1	0.6
SILVERWOOD LAKE	May-13	111		0.22	28	0	68		0.1	0.8
SILVERWOOD LAKE	Apr-13	110		0.23	28	0	75	12	0.1	0.9
SILVERWOOD LAKE	Mar-13	102		0.22	28	0	77		0.1	1.2
SILVERWOOD LAKE	Feb-13	93		0.27	23	0	84		0	1.1
SILVERWOOD LAKE	Jan-13	90		0.3	18	0	91	7	0	1.8
SILVERWOOD LAKE	Dec-12	90		0.3	17	0	94		0	1.5
SILVERWOOD LAKE	Nov-12	92		0.37	17	0	110		0	1.5
SILVERWOOD LAKE	Oct-12	81		0.25	15	0	76	7	0	1.5
SILVERWOOD LAKE	Sep-12	79		0.16	16	0	56		0.1	1.4
SILVERWOOD LAKE	Aug-12	88		0.16	18	0	55		0	1.1
SILVERWOOD LAKE	Jul-12	95		0.2	22	0	64	7	0	0.9
SILVERWOOD LAKE	Jun-12	96		0.2	22	0	66		0	0.8
SILVERWOOD LAKE	May-12	102		0.22	26	1	72		0.1	0.7
SILVERWOOD LAKE	Apr-12	94		0.25	21	0	80	8	0	0.7
SILVERWOOD LAKE	Mar-12	95		0.26	21	0	86		0	0.9
SILVERWOOD LAKE	Feb-12	90		0.19	19	0	62		0	0.7
SILVERWOOD LAKE	Jan-12	78		0.11	17	0	37	7	0	2.1
SILVERWOOD LAKE	Dec-11	73		0.08	15	0	25		0	1.1
SILVERWOOD LAKE	Nov-11	79		0.07	14	0	23		0	1.5
SILVERWOOD LAKE	Oct-11	73		0.08	14	0	26	7	0	1.4
SILVERWOOD LAKE	Sep-11	70		0.1	14	0	33		0	1.3
SILVERWOOD LAKE	Aug-11	57		0.07	13	0	26		0	1.1

SILVERWOOD LAKE	Jul-11	57		0.08	13	0	28	7	0	1.5
SILVERWOOD LAKE	Jun-11	59		0.07	13	0	24		0	1.1
SILVERWOOD LAKE	May-11	63		0.06	14	0	27		0	1.2
SILVERWOOD LAKE	Apr-11	67		0.1	16	0	32	12	0	1.2
SILVERWOOD LAKE	Mar-11	67		0.08	16	0	31		0	0.6
SILVERWOOD LAKE	Feb-11	66		0.1	15	0	38		0	2.5
SILVERWOOD LAKE	Jan-11	76		0.2	16	0	65	15	0	1.6
SILVERWOOD LAKE	Dec-10	87		0.22	18	0	78		0	1.1
SILVERWOOD LAKE	Nov-10	89		0.28	18	0	91	8	0	1.7
SILVERWOOD LAKE	Oct-10	83	0.1	0.26	17	0	83		0	1
SILVERWOOD LAKE	Sep-10	82		0.15	17	0	51		0	1
SILVERWOOD LAKE	Aug-10	90		0.17	20	0	59		0	0.9
SILVERWOOD LAKE	Jul-10	90		0.19	21	0	62	11	0.1	1.1
SILVERWOOD LAKE	Jun-10	88		0.14	22	0	51		0.1	1.6
SILVERWOOD LAKE	May-10	88		0.15	23	0	49		0.1	2.3
SILVERWOOD LAKE	Apr-10	85		0.18	22	0	51	6	0.1	1.6
SILVERWOOD LAKE	Mar-10	83		0.19	21	0	54		0.1	1.4
SILVERWOOD LAKE	Feb-10	82		0.22	21	0	64		0.1	1
SILVERWOOD LAKE	Jan-10	82		0.24	20	0	69	7	0.1	1.4
SILVERWOOD LAKE	Dec-09	83		0.26	21	0	74		0.1	1.9
SILVERWOOD LAKE	Nov-09	93		0.32	21	0	92		0.1	1.2
SILVERWOOD LAKE	Oct-09	83	0.11	0.28	17	0	87	7	0.1	1.2
SILVERWOOD LAKE	Sep-09	81		0.23	17	0	75		0.1	1.2
SILVERWOOD LAKE	Aug-09	94		0.21	22	1	66		0.1	0.6
SILVERWOOD LAKE	Jul-09	105		0.28	26	0	91	8	0.1	1
SILVERWOOD LAKE	Jun-09	101		0.27	27	0	74		0.2	1.3
SILVERWOOD LAKE	May-09	99		0.27	27	0	75		0.1	0.9
SILVERWOOD LAKE	Apr-09	98	0.16	0.26	26	1	72	6	0.2	0.3
SILVERWOOD LAKE	Mar-09	99		0.26	26	0	72		0.1	1.5
SILVERWOOD LAKE	Feb-09	100		0.28	26	0	78		0.2	3.5
SILVERWOOD LAKE	Jan-09	100		0.26	26	0	77	5	0.1	2.2
SILVERWOOD LAKE	Dec-08	100		0.28	25	0	78		0.1	1.7
SILVERWOOD LAKE	Nov-08	99		0.26	24	0	78		0.1	1.5
SILVERWOOD LAKE	Oct-08	99	0.15	0.24	25	0	75	10	0.1	1.1

SILVERWOOD LAKE	Sep-08	96		0.22	24	2	72		0.1		0.7
SILVERWOOD LAKE	Aug-08	102		0.24	24	0	76		0.1		1.3
SILVERWOOD LAKE	Jul-08	110	0.17	0.26	25	0	79	7	0.1		0.8
SILVERWOOD LAKE	Jun-08	105		0.24	26	0	76		0.1		1
SILVERWOOD LAKE	May-08	105		0.22	26	0	71	13	0.1		0.8
SILVERWOOD LAKE	Apr-08	100	0.19	0.22	27	0	68		0.1		1
SILVERWOOD LAKE	Mar-08	95		0.25	25	0	73		0.1		1.3
SILVERWOOD LAKE	Feb-08	85		0.22	22	0	66		0.1		1.7
SILVERWOOD LAKE	Jan-08	89	0.12	0.27	22	0	78	10	0.13		1.2
SILVERWOOD LAKE	Dec-07	93		0.29	24	0	82		0.13		1.5
SILVERWOOD LAKE	Nov-07	93		0.31	22	0	87		0.12		1.6
SILVERWOOD LAKE	Oct-07	88	0.11	0.33	20	0	92	9	0.1		1.4
SILVERWOOD LAKE	Sep-07	83		0.22	18	0	65		0		0.7
SILVERWOOD LAKE	Aug-07	89		0.16	20	0	50		0.1		1.3
SILVERWOOD LAKE	Jul-07	100	0.15	0.21	23	0	66	5	0.1		1.2
SILVERWOOD LAKE	Jun-07	100		0.2	22	0	63		0		0.8
SILVERWOOD LAKE	May-07	96		0.18	22	0	59		0.1		1.1
SILVERWOOD LAKE	Apr-07	99	0.19	0.21	23	0	70	13	0.1		1.8
SILVERWOOD LAKE	Mar-07	98		0.27	22	0	86		0.11		2
SILVERWOOD LAKE	Feb-07	94		0.31	21	0	95		0		1.4
SILVERWOOD LAKE	Jan-07	93	0.14	0.22	20	0	67	13	0		1.1
SILVERWOOD LAKE	Dec-06	79		0.12	15	0	38		0		1.5
SILVERWOOD LAKE	Nov-06	83		0.1	15	0	31		0		6.9
SILVERWOOD LAKE	Oct-06	81	0.09	0.12	15	0	38	7	0		4
SILVERWOOD LAKE	Sep-06	78		0.14	15	0	42		0		
SILVERWOOD LAKE	Aug-06	72		0.13	15	0	41		0		1.1
SILVERWOOD LAKE	Jul-06	62	0.1	0.1	13	0	32	12	0		2.1
SILVERWOOD LAKE	Jun-06	60		0.07	13	0	25		0.12		1.9
SILVERWOOD LAKE	May-06	61		0.08	14	0	29		0		1.6
SILVERWOOD LAKE	Apr-06	66	0.15	0.1	16	0	37	15	0		1.2
SILVERWOOD LAKE	Mar-06	67		0.13	17	0	44		0		1.4
SILVERWOOD LAKE	Feb-06	68		0.18	16	0	60		0		1.2
SILVERWOOD LAKE	Jan-06	90	0.14	0.28	19	0	88	15	0		2.2
SILVERWOOD LAKE	Dec-05	87		0.2	17	0	63		0		1.4

SILVERWOOD LAKE	Nov-05	88		0.17	16	0	55		0			1.6
SILVERWOOD LAKE	Oct-05	88	0.12	0.15	18	0	54	12	0			1.1
SILVERWOOD LAKE	Sep-05	85		0.14	17	0	44		0			1.4
SILVERWOOD LAKE	Aug-05	76		0.11	17	0	37		0			1.1
SILVERWOOD LAKE	Jul-05	73	0.14	0.12	17	0	43	13	0			1.4
SILVERWOOD LAKE	Jun-05	90		0.17	21	0	61		0			1.7
SILVERWOOD LAKE	May-05	86		0.12	21	0	49		0			2.2
SILVERWOOD LAKE	Apr-05	102	0.22	0.14	25	0	56	29	0.1			1.9
SILVERWOOD LAKE	Mar-05	98		0.15	23	0	55		0.1			1.6
SILVERWOOD LAKE	Feb-05	92		0.23	21	0	71		0.11			1.6
SILVERWOOD LAKE	Jan-05	96	0.15	0.22	21	0	69	28	0.12			1.5
SILVERWOOD LAKE	Dec-04	95		0.25	22	0	76		0.12			1.5
SILVERWOOD LAKE	Nov-04	93		0.25	20	0	75	12	0.12			1.9
SILVERWOOD LAKE	Oct-04	92	0.12	0.21	19	0	64		0.1			1.2
SILVERWOOD LAKE	Sep-04	87		0.17	17	0	55		0.1			1.4
SILVERWOOD LAKE	Aug-04	93		0.19	19	0	59	12	0			1.3
SILVERWOOD LAKE	Jul-04	100	0.16	0.21	21	0	67		0			1.2
SILVERWOOD LAKE	Jun-04	99		0.21	22	0	67		0			1
SILVERWOOD LAKE	May-04	93		0.14	21	0	50	13	0			1.2
SILVERWOOD LAKE	Apr-04	93	0.18	0.12	22	0	46		0			1.7
SILVERWOOD LAKE	Mar-04	96		0.18	22	0	59		0			1.7
SILVERWOOD LAKE	Feb-04	96		0.29	22	0	90	12	0.1			1.7
SILVERWOOD LAKE	Jan-04	98	0.15	0.31	21	0	95		0			1.6
Average		**88**	**0.14**	**0.20**	**20**	**0.23**	**64**	**11**	**0.05**			**1.39**

MAGNESIUM	NITRATE	PHENOL_ALKALINITY_AS_CACO3	POTASSIUM	SILICA	SODIUM	SPECIFIC CONDUCTANCE	SULFATE	TFR_180C (Total Filterable Residue)	TOC (Total Organic Carbon)	TEMPERATURE
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µmho/cm	mg/L	mg/L	mg/L	°C
11	1.6	0	2.8	8.6	69	579	39	306	2.53	14
13	0.6	0	3.1	8.4	70	576	33	301	2.63	16
12	0.2	0	3	9.4	63	515	29	283	2.9	20
11	0.4	5	2.5	12.7	52	463	34	253	3.04	24
11	0.2	8	2.6	13.6	53	474	42	268	3.55	23
12	1.3	3	2.7	11.6	58	521	50	293	3.36	23
12	2.2	2	2.6	9.8	57	524	52	291	3.58	20
12	3.5	0	2.6	10.1	56	522	55	297	3.64	17
12	4.4	0	2.8	12	58	562	56	308	3.6	13
12	4.7	0	2.9	12.5	59	542	53	287	3.7	11
12	3.7	0	2.9	13.6	60	506	38	287	3.04	10
13	2.6	0	3	11.2	61	516	29	270	2.46	9
13	1.5	0	3	10.5	61	515	25	280	2.46	14
14	0.7	0	3.3	11.4	67	569	27	302	2.44	18
11	0.4	0	2.5	10	49	434	19	230	2.62	23
10	0.7	0	2.2	11.1	39	342	19	203	2.7	24
10	1.3	0	2.4	11.8	40	368	30	218	3.02	24
11	2.1	0	2.5	13.2	48	456	39	256	3.14	22
11	2.2	0	2.6	11.5	51	482	43	264	3.34	20
11	3.1	1	2.6	11.1	56	519	48	291	3.68	17
12	2.2	0	2.9	9.8	56	498	37	269	3.08	12
13	2.4	0	3.1	9.8	60	529	38	281	3.1	10
11	2.3	0	2.5	10	45	404	33	231	2.98	9
9	2.4	0	1.9	11	31	316	26	180	2.68	9
7	1.9	0	1.5	10.1	23	240	18	138	2.45	11
8	1.3	0	1.5	12.6	21	238	14	140	2.66	19
7	1.1	0	1.6	12	23	241	15	138	2.72	23
8	1.3	0	1.8	11.5	27	266	19	157	2.82	24
6	1.7	0	1.7	11.8	22	228	18	138	2.98	25

6	2	0	1.7	10.5	23		243	22	139	2.76		24
6	0.9	0	1.8	9.4	22		215	17	128	3.37		18
7	1.5	0	2.1	9.3	25		254	26	150	4.14		16
8	2.6	0	1.9	9.9	28		287	31	170	3.98		13
8	2.3		2.1	10.8	27		275	26		4.2		10
8	3.2		2.5	12.7	29		290	25		4.22		10
10	2.9		2.6	12.3	45		403	23		2.92		9
12	2.3		2.8	11.2	55		470	25		2.46		12
13	1.6		3	11.9	60		510	24		2.53		18
12	0.6		2.6	10.2	55		472	22		2.51		22
10	0.8		2.3	10.5	38		358	23		3.04		23
12	2.1		2.4	13.2	45		415	35		3.26		24
11	2.5		2.6	12.1	49		449	40		3.72		22
9	2.7		2.3	11.4	45		420	45		3.47		18
9	3.6		2.5	11.9	46		420	46		3.75		16
8	4		2.2	11.4	44		392	35		2.44		11
8	3.6		2.2	12.3	45		404	32		2.6		10
8	3.3		2.3	11.3	51		424	33		2.46		9
9	3.3		2.4	11	55		465	33		1.95		10
10	2.9		2.5	11.7	56		478	35		2.22		12
12	2		2.9	10.8	65		531	35		2.38		17
12	0.9		2.8	9.7	59		496	25		2.53		19
11	0.6		2.7	10.8	53		438	25		2.78		23
12	1.8		2.7	13.8	50		464	37		3.58		24
13	2.7		3.1	12	69		583	55		3.45		22
9	2.4		2.4	6.9	62		540	52		2.76		17
9	2.4		2.5	6.1	64		533	48		2.64		14
8	2.6		2.3	6.2	61		505	45		2.35		12
9	2.5		2.3	8.1	60		498	43		2.48		13
9	3.5		2.3	10.6	63		527	46		2.04		9
8	3.2		2.4	10.6	64		526	46		2.13		9
9	3		2.4	10.6	63		530	48		2.09		15
10	2.5		2.5	12.1	63		508	47		2.34		17
10	2		2.6	15	57		511	43		2.62		21

11	1.6		2.8	15.1	55	497	40		3.01		24
12	2.9		3	14.9	55	519	42		2.96		24
12	3.1		3	14	58	519	41		2.96		23
11	3.4		2.8	11.4	57	525	45		3.18		18
11	4.2		2.8	11.6	56	527	49		3.53		17
10	5.6		2.8	12.6	57	507	48		3.12		14
9	4.9		2.5	12.4	58	501	43		2.24		10
8	4.6		2.4	13.7	52	454	36		2.63		8
8	4		2.5	12.4	60	499	39		1.88		9
9	3.7		2.7	12.5	61	516	37		1.56		14
10	2.8		2.5	11.6	63	533	33		2.07		17
11	1.6		3	11.2	61	515	28		2.29		20
10	1.3		2.5	13.3	45	395	23		2.72		25
9	2.2		2.4	12.6	39	358	27		2.66		24
11	2.1		2.7	14.2	50	460	35		2.75		23
12	2		2.6	12	50	446	35		2.98		21
12	3.4		2.3	12.4	46	447	39		3.48		17
12	4.4		2.9	14.9	53	497	45		4.28		15
14	4.4		3.2	14.5	58	539	44		3.96		11
15	4		3.4	14.9	62	560	39		3.51		8
12	3.5		2.7	13	48	450	34		2.76		10
9	2.7		2.1	12.6	30	306	22		2.63		13
9	2.1		1.8	12.6	27	275	18		2.46		18
9	1.4		2	12.4	31	308	21		2.74		21
9	1.6		2.2	12.4	33	322	23		2.86		25
9	1.5		2.1	11.9	32	313	24		3.12		24
7	1.5		1.9	11.2	26	260	20		3.3		25
6	1.3		3.3	10.7	22	231	17		3.26		22
7	1.9		2.2	7.7	27	267	30		3.61		16
8	2.8		1.8	8.9	31	309	34		7.95		13
9	3.5		2.2	10.2	36	349	37		5.49		10
10	3.6		2.7	9.4	41	386	30		3.76		11
13	3.4		3.3	12.1	59	517	33		5.77		11
11	2.8		4	11.4	45	417	25		3.82		13

10.5	2		2.4	11.4	39	375	22		2.77		17
11	1.4		2.5	11.5	39	375	24		4.73		21
10	1.9		2.3	13.6	33	338	26		3.31		23
9	2.2		2.1	13.1	30	319	26		3.5		27
9	2.8		2.4	13.7	34	341	30		3.88		25
12	3.2		2.8	11.8	47	449	43		4.24		21
11.5	4		2.5	11	42	424	49		4.86		17
13.5	5.8		3.1	13.8	46	476	54		5.94		14
12.5	6.3		3.3	15.5	44	447	43		6.18		12
12	5.6		3.2	13.8	50	470	33		4.42		9
12	5.4		3	13.2	50	473	34		4.25		10
11.5	3.6		3	11.8	58	489	34		2.92		12
11	2.8		2.8	11	54	463	29		3.04		16
10.5	1.7		2.5	11.8	48	423	26		2.9		22
10	1.5		2.3	13	40	374	22		3.12		24
11.5	2.1		2.6	14.4	46	412	29		3.3		24
13	2.8		2.8	14.5	50	477	38		3.75		24
13.5	2.7		3.1	13.5	50	469	39		3.64		21
12	3.2		2.4	12.3	40	403	39		3.95		19
12	4.6		2.6	14	38	401	41		5.11		17
13	4.4		2.6	14.5	45	449	38		5.09		10
14.5	4.6		3.5	14.1	62	553	42		4.07		9
14	2.6		3.4	10.7	64	554	37		3.31		9
10	**2.60**	**0.58**	**2.6**	**11.7**	**48**	**435**	**34**	**235**	**3.24**		**17**

TOTAL_ALKALINITY_AS_CACO3	TOTAL_DISS_SOLIDS	TOTAL_HARDNESS_AS_CACO3	TURBIDITY	PH
mg/L	mg/L	mg/L	NTU	
78	302	104	0.56	7.88
73	299	100	0.75	8.02
76	274	98	1.1	8.37
80	249	99	1.1	8.88
85	264	106	2.1	8.99
88	288	116	0.88	8.57
90	288	117	0.62	8.46
91	291	118	0.73	8.36
90	303	120	0.65	8.3
84	300	120	0.72	8.17
76	284	108	0.63	8.15
74	274	102	1	7.93
74	270	98	0.78	7.99
75	296	102	0.82	8.01
66	223	84	1.1	7.95
65	194	78	1.1	7.98
72	213	89	1.1	8.13
78	249	101	1.1	8.25
79	257	105	0.92	8.28
86	282	111	1.3	8.38
77	268	104	1.1	8.35
78	281	110	0.88	8.25
74	230	97	0.97	8.31
64	174	81	0.82	7.79
60	138	67	1.3	8.04
65	135	67	1.6	7.95
60	136	66	1.4	7.94
57	151	69	1.7	7.95
47	129	57	3.4	7.95

47	135	57	4.8	7.8
48	124	53	2.4	7.95
52	143	63	3.6	7.96
55	163	69	2	7.98
55	157	68	1.9	8.25
54	166	67	5.8	7.64
62	215	83	2.8	7.89
71	248	94	0.84	8.13
73	267	98	1.6	7.93
68	244	92	1.1	8.13
67	193	82	0.86	8.14
74	234	94	1.4	8.22
74	245	98	1.9	8.13
72	232	93	2.6	7.95
72	235	93	1.6	7.81
70	220	86	1.2	7.95
68	220	84	1.9	8
67	235	87	2.4	8.12
67	244	89	0.81	7.99
68	255	90	0.76	7.87
76	287	100	0.74	8.12
68	255	91	1	8.05
66	235	91	0.83	8.05
79	254	103	1.6	8.46
86	324	117	1	8.24
83	287	106	1.6	8.12
81	284	104	1.4	8.24
82	273	102	1.6	8.71
81	272	100	1.02	8.05
82	289	102	0.44	7.68
82	287	100	0.79	7.88
82	289	106	0.73	7.99
81	289	104	0.71	8.05
81	279	106	1.2	8.19

83	272	108	2	8.41
84	281	110	1	8.13
90	290	112	1.2	8.36
86	285	112	1.1	8.24
86	284	116	0.83	8.34
82	281	110	0.79	8.21
78	275	100	1.4	8.09
70	248	90	2.9	7.93
73	271	92	3.6	8.09
76	278	98	1	8.02
76	278	100	1	7.98
72	272	97	0.95	8.02
68	220	86	1	8.29
73	207	88	1.5	8.05
82	254	106	2.6	8.14
82	249	103	1.1	8.34
79	244	107	1.3	8.16
81	275	112	1	7.95
80	295	114	1.7	7.9
77	301	112	1.2	8.06
76	247	100	0.7	8.13
65	171	78	1.1	7.95
68	158	75	0.97	7.3
66	170	76	0.95	7.53
64	177	82	1.9	
59	173	74	1.8	8.02
51	144	64	3.8	7.7
49	128	56	4.8	7.71
50	149	67	1.4	7.8
54	173	75	1.2	7.97
55	193	80	2.2	7.91
56	207	82	2.8	7.98
74	276	101	26	7.84
71	223	88	0.97	8.02

72	202	83	1.1	7.97	
72	205	90	1.2	8.12	
70	191	84	1.6	8.01	
62	174	80	2.6	8.04	
60	189	80	3.3	7.94	
74	247	102	4.7	7.95	
71	233	100	2.5	7.81	
84	268	118	4.6	7.95	
80	252	109	5.2	8	
75	255	102	6.2	7.98	
79	256	102	12	8.04	
78	268	102	1.5	8.01	
76	252	95	5.3	7.92	
75	229	91	0.86	8.09	
71	204	84	1.2	8.01	
76	230	95	2.3	8.07	
82	259	106	3.3	8.14	
81	260	111	1.3	8.22	
76	226	102	2.1	8.12	
76	227	104	7.1	7.97	
79	247	108	6.5	7.98	
79	301	115	2.1	7.97	
80	297	110	4.2	8.02	
73	**238**	**94**	**2.10**	**8.07**	

Attachment B

1. BCVWD Well #22. Located on Oak Valley Parkway just east of 960.
   Past 5 year water quality available
   Marginal water level data.
   1 mile southeast of parcel.

2. BCVP&RD Irrigation well. Located at 390 W. Oak Valley Parkway
   No water quality available.
   Very good water level data
   .6-.7 mile southwest of parcel.

3. Oak Valley Golf Course abandoned wellsite.
   No water quality available.
   Marginal water level data.
   1 mile southwest of parcel.

4. BCVWD Well #24. Located on Brookside Ave. just east of Union St.
   Past 5 year water quality available
   Marginal water level data.
   1.3-1.4 mile west of parcel.

5. Michael Joesph well. Located at 11020 Union St.
   No water quality available
   Marginal water level data
   1.3-1.4 mile west of parcel.

6. Michelle Delph well. Located at 11133 Union St.
   No water quality available.
   Very good water level data.
   1.4-1.5 mile west of parcel.


#6
#5
#4
Brookside Ave
Brookside Ave
Brookside Ave
Brookside Ave
Beaumont Ave
Beaumont Ave
Oak View Dr
Oak View Dr
Oak Valley Park
10
Oak Valley Golf Club
Noble Creek Park
Oak Valley Pkwy
Oak Valley Pkwy
Oak Valley Pkwy
Christopher Columbus Transcontinental Hwy
Noble Creek
Little San Gorgonio Creek
Beaumont Ave
#1
#3
#2
Edit in Google Map Maker
Report a probl

Attachment C

Historical Water Level Data

			Water Levels															
			Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Spring 2015	Fall 2015
1	BCVWD Well #22	East of 960 Oak Valley Parkway	1 mile SE of parcel												
2	BCVP&RD Irrigation Well	390 W. Oak Valley Parkway	0.6 miles SW of parcel	407.9	410.8	412.5	414.3	414	414.2	412.3	412.2	411			
3	Oak Valley Golf Course Abandoned Well		1 mile SW of parcel												
4	BCVWD Well #24	Brookside Avenue east of Union St.	1.3 miles W of parcel												
5	Michael Joseph Well	11020 Union Street	1.3 miles W of parcel						435.3	439.3	438.8	437	437.8	440.1	
6	Michelle Delph Well	11133 Union Street	1.4 miles W of parcel	403.7	409.2	405.6	423	408.3	410.2	407.3	412.1	416	415.1	422	
	Note: Results are in depth to water surface, in feet														

Attachment D

Historical Water Quality Data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1						TDS						Nitrates				
2																
3				2009	2010	2011	2012	2013	2014	2009	2010	2011	2012	2013	2014	2015
4	BCVWD Well #22	East of 960 Oak Valley Parkway	1 mile SE of parcel		200			210		2.9	3.1		3.4	5.1	3.4	3.7
5																
6	BCVP&RD Irrigation Well	390 W. Oak Valley Parkway	0.6 miles SW of parcel													
7																
8	Oak Valley Golf Course Abandoned Well		1 mile SW of parcel													
9																
10	BCVWD Well #24	Brookside Avenue east of Union St.	1.3 miles W of parcel							4.5	5.3		6.4	7	6.4	6.4
11																
12	Michael Joseph Well	11020 Union Street	1.3 miles W of parcel													
13																
14	Michelle Delph Well	11133 Union Street	1.4 miles W of parcel						200						8.2	

Attachment E

13. WATER QUANTITY (Attachment E)

The volume of water recharged in any year could vary from zero (in some years) to as much as 13,000 acre-feet (well in the future). The 13,000 acre-feet comes from the capacity of the connection (20 cfs). This could only happen in the future when our capacity in EBX has increased and when we have procured additional sources of water.

In the near term (the next 10-12 years), the most that we would expect to recharge would be 7,500 acre-feet per year. This would only occur in a year when we get 100% allocation from the state and there is additional Article 21 water available in that year. Or, alternatively, it could occur in a year when we get a high SWP allocation (80% or higher), plus Article 21 water, plus additional water that we would obtain in the future by purchase, transfer, or exchange.

It is likely that most of this water will go directly into storage accounts of Watermaster members who would purchase the water from the Agency. Any water available to the region that is not purchased by retail water districts would be purchased by the Agency and placed into the Agency's storage account, from where it would be transferred to a Watermaster member upon purchase.

Attachment F

14. IMPACTS TO OTHERS (Attachment F)

The impacts to others would only be positive. Storing more water in the ground than could otherwise be placed there will raise groundwater elevations, helping to preserve the basin and reducing pumping costs to appropriators and overliers alike. It is anticipated that most or all water in the account will be transferred to an account of a Watermaster member within a short time.

Basin losses due to use of this proposed facility are anticipated to be minimal or nonexistent.

During the EIR we analyzed potential damage to any homes that might be constructed on adjacent land in the future and found that this would not occur.

Attachment G

15. ENVIRONMENTAL REVIEW (Attachment G)

See attached EIR on CD, certified by the Agency Board of Directors on October 21, 2013. Also attached is Agency Resolution 2013-13, certifying the EIR.

RESOLUTION NO. 2013-13

A RESOLUTION OF THE SAN GORGONIO PASS WATER AGENCY CERTIFYING THE DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE BEAUMONT AVENUE RECHARGE FACILITY AND PIPELINE PROJECT; ADOPTING ENVIRONMENTAL FINDINGS PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT; ADOPTING A MITIGATION MONITORING AND REPORTING PROGRAM; ADOPTING A STATEMENT OF PROJECT BENEFITS; AND APPROVING THE BEAUMONT AVENUE RECHARGE FACILITY AND PIPELINE PROJECT

WHEREAS, the San Gorgonio Pass Water Agency (the "Agency" or "SGPWA") is a state water contractor, that was formed with the purpose of importing water from the State Water Project ("SWP") into the San Gorgonio Pass area in 1961, the Agency's service area encompasses approximately 228 square miles and includes the Cities of Beaumont, Calimesa, and Banning, as well as the unincorporated areas of Cherry Valley, Cabazon, Poppet Flat, Banning Bench, and San Timoteo and Live Oak Canyons; and

WHEREAS, the most heavily developed portion of the Agency's service area, the Beaumont Basin, is currently experiencing an overdraft condition; and

WHEREAS, In 2003, Phase I of SWP's East Branch Extension ("EBX") was completed, bringing raw SWP water into SGPWA's service area; however, the capacity of Phase I allows for a maximum of approximately 12,000 acre feet per year ("AFY") of the Agency's existing SWP supply contract Table A amount (17,300 AFY); and

WHEREAS, In response to these conditions, the Agency proposes to construct a groundwater recharge facility on a vacant, undeveloped property in the City of Beaumont, California, to increase recharge capabilities with the delivery SWP water, as well as other supplemental water sources via a proposed pipeline and service connection facility and to enable the Agency to replenish the groundwater basin and provide water supply for the ongoing and projected needs of the Agency's service area (the "Project").

WHEREAS, pursuant to section 21067 of the Public Resources Code, and section 15367 of the State CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et seq.), the Agency is the lead agency for the Project; and

WHEREAS, the Agency solicited comments, including details about the scope and content of the environmental information, as well as potential feasible mitigation measures, from responsible agencies, trustee agencies, and the public, in a Notice of Preparation ("NOP") for the EIR for the Project, which was issued on November 13, 2012 and circulated for a period of 30 days pursuant to State CEQA Guidelines sections 15082, subdivision (a) and 15375; and

WHEREAS, the Agency's Statement of Project Benefits is attached hereto as Exhibit "B"; and

WHEREAS, the Agency's Mitigation Monitoring and Reporting Program setting forth the mitigation measures to which the Agency shall bind itself in connection with the Project is attached hereto as Exhibit "C"; and

WHEREAS, the EIR reflects the independent judgment of the Agency and is fully adequate for purposes of making decisions on the merits of the Project; and

WHEREAS, the Agency has not received any comments or other information constituting substantial new information requiring recirculation of the EIR pursuant to Public Resources Code section 21092.1 and State CEQA Guidelines section 15088.5; and

WHEREAS, on October 21, 2013 the Agency conducted a duly noticed public meeting at which the Project was considered, at which time all persons wishing to testify were heard, and the Project was fully considered; and

WHEREAS, all other legal prerequisites to the adoption of this Resolution have occurred.

THE BOARD OF DIRECTORS OF THE SAN GORGONIO PASS WATER AGENCY DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1 – Consideration of EIR. The Agency finds that it has reviewed and considered the EIR (including the comment letters, responses to comments, and errata) in evaluating the Project's potential impacts; that the EIR has been completed in full compliance with CEQA, the State CEQA Guidelines, and the Agency's local procedures for implementing CEQA; and that the EIR reflects the independent judgment and analysis of the Agency.

SECTION 2 - Recirculation. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby finds that no evidence of new significant impacts or any other "significant new information" as defined by State CEQA Guidelines section 15088.5 has been received by the Agency after circulation of the Draft EIR which would require recirculation.

SECTION 3 – CEQA Findings. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby adopts the written CEQA Findings attached hereto as Exhibit "A" to this Resolution.

SECTION 4 – Project Benefits. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby adopts the Statement of Project Benefits attached as Exhibit "B" to this Resolution.

SECTION 5 – Certification of EIR. Based on the entire record before the Agency, including all written and oral evidence presented, the Agency hereby certifies the EIR and finds that the implementation of the Project will not have any significant and unavoidable environmental effects. All potentially significant environmental impacts have been analyzed

in the EIR and will be mitigated to a level of less than significant. Additionally, the Board finds that a range of reasonable and potentially feasible alternatives to the Project were fully analyzed in the EIR, but are rejected in favor of the Project.

SECTION 6 - MMRP. Pursuant to Public Resources Code section 21081.6, the Agency adopts the Mitigation Monitoring and Reporting Plan attached as Exhibit "C" to this Resolution. In the event of any inconsistencies between the mitigation measures as set forth in the EIR or the CEQA Findings in Exhibit A and the Mitigation Monitoring and Reporting Plan, the Mitigation Monitoring and Reporting Plan shall control.

SECTION 7 – Project Approval. Based on the entire record before the Agency, all written and oral evidence presented, the CEQA Findings, the Statement of Project Benefits, and Mitigation Monitoring Reporting Plan, and all other evidence, the Agency hereby approves the Beaumont Avenue Recharge Facility and Pipeline Project.

SECTION 8 – Custodian of Record. The documents and materials that constitute the record of proceedings on which this Resolution has been based are located at the San Gorgonio Pass Water Agency, 1210 Beaumont Ave., Beaumont, CA 92223. The custodian for these records is Jeff Davis, General Manager. This information is provided in compliance with Public Resources Code section 21081.6.

SECTION 9 – Notice of Determination. Agency staff shall cause a Notice of Determination to be filed and posted with the Clerk of the County of Riverside and the State Clearinghouse within five (5) working days of Project approval.

ADOPTED AND APPROVED this 21st day of October, 2013.

President, Board of Directors
San Gorgonio Pass Water Agency

ATTEST:

Secretary, Board of Directors
San Gorgonio Pass Water Agency

APPROVED AS TO FORM:

General Counsel
San Gorgonio Pass Water Agency

55397.00016\8289065.4

Attachment H

3/29/05

RESOLUTION NO. 2005-01
A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER ESTABLISHING PRINCIPLES OF GROUNDWATER STORAGE IN THE BEAUMONT BASIN BY NON-APPROPRIATORS

WHEREAS, there exists in the Beaumont Basin a substantial amount of available groundwater storage capacity; and

WHEREAS, such capacity can be reasonably used for storing supplemental water; and

WHEREAS, the Watermaster desires to establish by this Resolution certain fundamental principles governing the future use of such capacity by non-Appropriators.

NOW, THEREFORE, the Beaumont Basin Watermaster hereby resolves as follows:

Section 1. Definitions

As used herein, these terms shall have the following definitions:

a. **Groundwater Storage Agreement:** a standard form of written agreement between the Watermaster and any Person requesting the storage of Supplemental Water.

b. **Groundwater Storage Capacity:** the space available in the Beaumont Basin that is not utilized for storage or regulation of Safe Yield and is reasonably available for Stored Water and Conjunctive Use.

c. **Person:** any non-appropriator individual, partnership, association, corporation, governmental entity or agency, or other organization.

d. **Storage Program:** Supplemental Water stored in the Beaumont Basin for later use, or the sale of Temporary Surplus.

e. **Stored Water:** Supplemental Water stored in the Beaumont Basin pursuant to a Groundwater Storage Agreement with the Watermaster.

f. **Supplemental Water:** water imported into the Beaumont Basin from outside the Beaumont Basin including, without limitation, water diverted from creeks upstream and tributary to the Beaumont Basin and water which is recycled and useable within the Beaumont Basin.

g. **Temporary Surplus:** the amount of groundwater that can be pumped annually in excess of the Safe Yield of the Beaumont Basin necessary to create enough additional storage capacity to prevent the waste of water.

3/29/05

Section 2. Preferred Groundwater Storage Projects

Preference shall be given to groundwater storage projects that:

a. Increase the reliability of water supplies;

b. Reduce the cost of enhancing the reliability of water supplies;

c. Is proposed by, or is conducted for the benefit of, ratepayers;

d. Financially benefit ratepayers;

e. Will not injure existing Overlying and Appropriative Water Rights;

f. Will not waste water;

g. Will generate revenue to purchase rights to additional Supplemental Water and/or construct facilities for direct delivery of Supplemental Water or the percolation of Supplemental Water into the Beaumont Basin; and

h. Will not impair future opportunities to store water in the Beaumont Basin.

Section 3. Types of Groundwater Storage Programs

The Watermaster shall consider two types of Storage Programs:

a. Projects which propose to rent Groundwater Storage Capacity in the Beaumont Basin: revenue generated thereby shall be used to fund capital facilities; and

b. Projects which propose the sale of Temporary Surplus: revenue generated thereby shall be used to purchase the rights to additional Supplemental Water supplies.

Section 4. Groundwater Storage Agreement

In order to prevent injury to existing water rights, to prevent the waste of water, and to protect the use of Supplemental Water in storage and the Safe Yield of the Beaumont Basin, no Person may make reasonable beneficial use of the Groundwater Storage Capacity except pursuant to a written Groundwater Storage Agreement with the Watermaster. Without limitation, such Agreements shall include:

a. The payment of administrative and storage fees to the Watermaster;

b. The payment of fees for the use of Temporary Surplus;

c. Accounting for Supplemental Water losses while in storage;

d. Term limit;

e. Reasonable limitations on the rates of storage and recovery of Stored Water;

f. Protection of water quality in the Beaumont Basin.

MOVED, PASSED AND ADOPTED this 12th day of April, 2005, upon the following vote:

City of Banning: Yes
City of Beaumont: Absent
Beaumont-Cherry Valley Water District: Yes
South Mesa Mutual Water Company: Yes
Yucaipa Valley Water District: Yes

Dated: April 12, 2005

BEAUMONT BASIN WATERMASTER

By /s/ George Jorritsma
Chair

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17. CRITERIA ESTABLISHED BY WATERMASTER RESOLUTION 2005-01

Watermaster Resolution 2005-01 establishes principles of groundwater storage in the Beaumont Basin by non-Appropriators. The Agency is a non-Appropriator.

Section 2 of this resolution identifies groundwater storage projects that are given a preference. The following addresses each of the various types of storage and how the Agency's proposed project relates to that type of storage.

a. Increase the reliability of water supplies. The Agency's proposed project will increase the reliability of water supplies by both providing additional storage capacity in the Basin and by providing additional connected capacity to the State Water Project. More water would be able to be stored in wet years, thus increasing the reliability of available supplies.
b. Reduce the cost of enhancing the reliability of water supplies. The Agency's proposed facility will be funded up front with general fund revenues, to be reimbursed later (80% of costs) with developer fees. The cost of the project is not borne by water ratepayers, but by new growth and by general fund tax revenues that will be spent on this project as opposed to other expenditures that do not enhance reliability. Thus, the overall cost of enhancing reliability will be reduced for water ratepayers.
c. Is proposed by, or is conducted for the benefit of, ratepayers. This project is proposed by the Agency and will benefit any purveyor that has a storage account in the Beaumont Basin, along with the ratepayers of those purveyors. While proposed as a project that benefits the entire region, it would have the benefit of benefitting ratepayers as the region would get additional storage and enhanced reliability without the use of ratepayer funds.
d. Financially benefit ratepayers. The Agency's proposed project does not directly benefit water ratepayers but indirectly benefits them as additional storage would be made available using funds that are not from water rates.
e. Will not injure existing Overlying and Appropriative Water Rights. The proposed project would not injure any party as it does not draw water out of the basin but enables any local water purveyor to add to storage in the basin. All appropriators and overliers should benefit from additional storage and from more reliability.
f. Will not waste water. The proposed project is intended to prevent wasting water by enabling any party in the region, including any retail water purveyor or the Agency, to import all available water in wet years so that no State Water Project water gets left in Northern California to potentially be wasted in a future year.
g. Will generate revenue to purchase rights to additional Supplemental Water and/or construct facilities for direct delivery of Supplemental Water or the percolation of Supplemental Water into the Beaumont Basin. The intent of the project is to enable the region to store more water, not necessarily to generate revenues.
h. Will not impair future opportunities to store water in the Beaumont Basin. There is no reason that the proposed project would impair future opportunities to store water in the Beaumont Basin. If constructed, it would not prohibit any entity from constructing additional storage facilities, if needed. Studies indicate that it will not impact the ability of BCVWD to store water at its facility adjacent to the proposed site.

Section 3 of the resolution addresses types of storage projects, and states that the Watermaster will consider two types of storage programs:

- Projects which propose to rent Groundwater Storage Capacity in the Beaumont Basin—revenue generated thereby shall be used to fund capital facilities; and
- Projects which proposed the sale of Temporary Surplus—revenue generated thereby shall be used to purchase the rights to additional Supplemental Water supplies.

Agency staff has discussed this with Watermaster staff and it is not immediately clear to either what this section of the resolution is referring to. Agency staff has tried to determine if any other entity has addressed this issue in any previous application or related to construction of any facility, and has been unable to find a record of this.

Agency staff would be pleased to discuss this issue with the Watermaster so that this may be fully addressed as part of this application.

BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 16-11

Date: June 1, 2016

From: Joseph Zoba, Treasurer

Subject: Consideration of the Proposed Budget for Fiscal Year 2016-2017

Recommendation: Pending

The proposed draft budget for Fiscal Year 2016-17 will be provided at the Beaumont Basin Watermaster meeting for review and consideration.

Study Session Material

Special Project Committee