

Notice and Agenda Special Meeting of the Beaumont Basin Watermaster

Wednesday, April 17, 2024 at 11:00 a.m.

Meeting Location:
Beaumont-Cherry Valley Water District
560 Magnolia Avenue • Beaumont, California 92223

*This meeting is hereby noticed pursuant to
California Government Code Section 54950 et. seq.*

Members of the Watermaster Committee:

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

Remote attendance options are provided primarily as a matter of convenience to the public. Unless a Watermaster Committee member is attending remotely pursuant to provisions of GC 54953 et. seq., the public, in-person meeting will not stop or be otherwise suspended should a technological interruption occur with respect to the Zoom teleconference or call-in line listed on the agenda. Members of the public are encouraged to attend BBWM meetings in person at the above address, or remotely using the options listed.

Online Meeting Participation Link:

<https://us02web.zoom.us/j/81638720446?pwd=UnNZcC9TbGZzTGZFuMHdhVkRMblczQT09>

Telephone: (669) 900-9128 / Meeting ID: 816-3872-0446 / Passcode: 636756
One-Tap Mobile: +16699009128,,81638720446#,,,,*636756#

*For Public Comment, use the "**Raise Hand**" feature if on the video call when prompted, if dialing in, please **dial *9 to "Raise Hand"** when prompted*

Meeting materials are available on the Watermaster website:
<https://beaumontbasinwatermaster.org/>

BEAUMONT BASIN WATERMASTER COMMITTEE – APRIL 17, 2024

I. Call to Order

II. Roll Call

| Committee Member Agency | Primary Representative | Alternate |
|---------------------------------------|------------------------|---------------|
| City of Banning | Arturo Vela, Chair | Nathan Smith |
| City of Beaumont | Vacant | Robert Vestal |
| Beaumont-Cherry Valley Water District | Daniel Jagers | Mark Swanson |
| South Mesa Water Company | Dave Armstrong | Brittany Lim |
| Yucaipa Valley Water District | Joseph Zoba | 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, or, RAISE HAND electronically or Press *9 when prompted for public comment.

ACTION ITEMS

Action may be taken on any item on the agenda.

V. Consent Calendar

- A. Meeting Minutes
 - a. February 7, 2024 Regular Meeting [Page 6]
 - b. March 6, 2024 Special Meeting [Page 14]
- B. Status Report on Water Level Monitoring throughout the Beaumont Basin through March 11, 2024 [Page 19]
- C. A Comparison of Production Rights versus Production through Feb 2024 [Page 30]

VI. Reports

- A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering
- B. Report from Administrative Consultant – Steve Stuart, Dudek
- C. Report from Legal Counsel - Thierry Montoya/Keith McCullough, Frost, Brown, Todd

VII. Discussion Items

- A. Certification of Groundwater Production and Imported Water Use during Water Year 2023 [Memorandum No. 24-09, Page 32]
 Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during Water Year 2023
- B. Presentation of Draft 2023 Consolidated Annual and Engineering Report [Memorandum No. 24-10, Page 36]
 Recommendation: For review and comments
- C. Update on Technical Memorandum on 2023 Safe Yield Redetermination [Memorandum No. 24-11, Page 345]
 Recommendation: No recommendation
- D. Discussion on Developing Policy to Document and Account for Emergency Potable Water Transfers from Appropriator to Overlying Party [Memorandum No. 24-12, Page 346]
 Recommendation: For Discussion Purposes only
- E. Update on Revising and Modernizing the BBWM Rules and Regulations [Memorandum No. 24-13, Page 350]
 Recommendation: Presentation only. No action required
- F. Consideration of Special Meetings / Workshops [Memorandum No. 24-14, Page 355]
 Recommendation: Consider setting a schedule for a special meetings / workshops for July 2024 and beyond

VIII. Topics for Future Meetings

| | Item | Date Listed |
|---|---|-------------|
| A | Development of a Recycled Water Policy | 3/27/2019 |
| B | Development of a return flow accounting policy | 3/27/2019 |
| C | Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management | 3/27/2019 |
| D | Procurement Policy including thresholds for RFP process | 8/17/2021 |
| E | Incidental discharge | 10/6/2021 |
| F | Monitoring of future west side well sites and methodologies, and potential collaboration with USGS | 10/5/2022 |

| | | |
|---|---|-------------------------|
| G | Discussion on what to do when an Appropriator goes negative | 10/4/2023 and 11/1/2023 |
|---|---|-------------------------|

IX. Comments from the Watermaster Committee Members

X. Announcements

2024 Meeting Dates:

- Wednesday, June 5 at 11 a.m. Regular Meeting
- Wednesday, August 7 at 11 a.m. Regular Meeting
- Wednesday, October 2 at 11 a.m. Regular Meeting
- Wednesday, December 4 at 11 a.m. Regular Meeting

XI. Adjournment

NOTICES

AVAILABILITY OF AGENDA MATERIALS - Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Beaumont Basin Watermaster Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee are available for public inspection in the Office of the Watermaster Secretary, at 560 Magnolia Avenue, Beaumont, California ("Office") during business hours, Monday through Thursday from 7:30 a.m. to 5 p.m. If such writings are distributed to members of the Committee less than 24 hours prior to the meeting, they will be available from the Office at the same time or within 24 hours' time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during the meeting, they can be made available in the Board Room at the District Office. Materials may also be available on the Watermaster website: <https://beaumontbasinwatermaster.org/>.

REVISIONS TO THE AGENDA - In accordance with §54954.2(a) of the Government Code (Brown Act), revisions to this Agenda may be made up to 24 hours before the Board Meeting, if necessary, after mailings are completed. Interested persons wishing to receive a copy of the set Agenda may pick one up at the Office, located at 560 Magnolia Avenue, Beaumont, California, or download from the website up to 24 hours prior to the Meeting.

REQUIREMENTS RE: DISABLED ACCESS - In accordance with §54954.2(a), requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the Office, at least 48 hours in advance of the meeting to ensure availability of the requested service or accommodation. The Office may be contacted by telephone at (951) 845-9581, email at info@bcvwd.org or in writing to the Beaumont Basin Watermaster Committee, c/o Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

CERTIFICATION OF POSTING

A copy of the foregoing notice was posted near the regular meeting place of the Beaumont Basin Watermaster Committee and to its website at least 24 hours in advance of the meeting (Government Code §54954.2(a)).

Consent Calendar

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, February 7, 2024**

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave., Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:04 a.m.

II. Roll Call

| | | |
|--|------------------------|----------------|
| <i>City of Banning</i> | <i>Art Vela</i> | <i>Present</i> |
| <i>City of Beaumont</i> | <i>Robert Vestal</i> | <i>Present</i> |
| <i>Beaumont-Cherry Valley Water District</i> | <i>Dan Jagers</i> | <i>Present</i> |
| <i>South Mesa Water Company</i> | <i>David Armstrong</i> | <i>Present</i> |
| <i>Yucaipa Valley Water District</i> | <i>Joseph Zoba</i> | <i>Present</i> |

Hanibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Thaxton Van Belle, City of Beaumont
Allison Edmisten, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Mike Kostelecky, Yucaipa Valley Water District
Erin Anton, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Madeline Blua, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Kevin Walton, San Gorgonio Pass Water Agency
Matt Howard, San Gorgonio Pass Water Agency
Emmett Campbell, San Gorgonio Pass Water Agency
Brittany Lim, South Mesa Water Company
John Covington, Beaumont-Cherry Valley Water District
Daniel Slawson, Beaumont-Cherry Valley Water District
James Bean, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
Kevin Lee

III. Pledge of Allegiance

IV. Public Comments: None.

V. Consent Calendar

A. Meeting Minutes

- a. December 6, 2023 Regular Meeting
- b. January 10, 2024 Special Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through January 22, 2024

C. A Comparison of Production Rights versus Production in Calendar Year 2023

It was moved by Member Zoba and seconded by Member Armstrong to approve Consent Calendar items A, B and C.

| | |
|----------|---|
| AYES: | Armstrong, Jagggers, Vela, Vestal, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

VI. Reports

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

Mr. Blandon reported a potential metering problem with a well at the Tukwet golf course.

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

Mr. Harder advised that the report on compliance with the Sustainable Groundwater Management Act (SGMA) was almost complete.

C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart reported that information is still being sought on well survey results. Dudek will be addressing the Topics for Future Discussion one by one.

D. Report from Legal Counsel – Thierry Montoya - Frost, Brown, Todd

Mr. Montoya reported that he has completed a motion to address the vacancy for the City of Beaumont with the appointment of member Dustin Christensen. The hearing date is 45 days out.

VII. Discussion Items

- A. Reorganization of the Beaumont Basin Watermaster Committee - Chair, Vice Chair, Secretary and Treasurer

Recommendation: Either reaffirm the existing officers or conduct nominations for the appointment of new officers of the Beaumont Basin Watermaster

It was moved by Member Jaggars and seconded by Member Zoba to reaffirm the current slate of officers for 2024:

| | | |
|--------------------|-----------------|---------------------------------------|
| Chairperson | Art Vela | City of Banning |
| Vice Chair | David Armstrong | South Mesa Water Company |
| Secretary | Dan Jaggars | Beaumont-Cherry Valley Water District |
| Treasurer | Joseph Zoba | Yucaipa Valley Water District |

and approved by the following vote:

AYES: Armstrong, Jaggars, Vela, Vestal, Zoba
 NOES: None
 ABSTAIN: None
 ABSENT: None
 STATUS: Motion Approved

- B. Consideration to Retain Dudek to Provide Professional Services to Review and Update the Rules and Regulations of the Beaumont Basin Watermaster

Recommendation: That the Watermaster Committee contract with Dudek for Services to Review and Update the Rules and Regulations of the Beaumont Basin Watermaster for a sum of \$15,000 and send invoices to each Watermaster Committee member for 20% of the approved amount

Member Jaggars recalled a brief discussion at the last meeting and the recommendation of legal counsel to revise and modernize the Rules & Regulations.

Mr. Stuart concurred and said current sections need update, and new sections are needed. He recommended a full review. Chair Vela said he would like to see Dudek’s list of recommendations.

Member Jaggars reminded about the obligation to send draft rules to the overlies and provide information to all parties in the judgment.

It was moved by Member Jaggars and seconded by Member Zoba to contract with Dudek for Services to Review and Update the Rules and Regulations of the Beaumont Basin Watermaster for a sum of \$15,000 and send invoices to each Watermaster Committee member for 20% of the approved amount and approved by the following vote:

| | |
|----------|--|
| AYES: | Armstrong, Jaggars, Vela, Vestal, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

C. Potential Incorporation of a Process and Categorization of Water Production for the Annual Report

Recommendation: That the Watermaster Committee consider engaging Dudek to revise the Rules and Regulations to include a process and categorization of Water Production for use in the annual reports

Mr. Stuart presented the categories of water production and posited that there does not appear to be a benefit to assigning categories for accounting for the "buckets" of water.

Member Zoba agreed and suggested it would be helpful to include it in the Annual Report. Chair Vela said he was uncertain of any benefit to assigning categories, as it is still a net zero. It may lead to unintended consequences, he noted.

Member Jaggars pointed out additional sources of water which are tracked and help understand the health of the Basin. In the long term, the information is modeled in but seeing this can provide detail on TDS which helps visualize what is happening in the Basin.

Member Zoba added that the detailed data tells the story of what is happening in the Basin and provides transparency.

Chair Vela suggested that if the New Yield items are already included in the policy, then leave them in the tables, but if not then leave them out pending further discussion by the Committee. Mr. Stuart advised that it is defined in the Judgment and is part of the equation for the Appropriators' production rights, so plays a role in comparing production vs. production rights. Member Jaggars suggested a footnote to identify new sources examples that are not conclusively limiting.

Member Armstrong said he was apprehensive about how far this may go. Mr. Stuart assured these are the parameters / characteristics of water usage that go into calculating the value to compare against annual production. Basically, there is only one bucket and that is the storage account, and there is really no benefit in categorizing.

Creating a policy to classify might be a slippery slope, Chair Vela stated. Member Armstrong said he would hate to see a negative effect on those who have planned ahead and built up their storage accounts.

Mr. Blandon pointed out that all information presented here is already represented in the annual report. He suggested defining the annual appropriator production right and incorporating it into Table 3-8 of the annual report. Member Zoba concurred with adding to the annual report, along with a narrative to address the concerns.

Zoba pointed to the Judgment language on the use of temporary surplus, and suggested addressing in the annual report how it is being accounted for. A possible unintended consequence may be that the value of the water is equal to the current value of the SGPWA purchase price; however, this water in storage is more valuable than State Project Water, he suggested.

Member Jagers suggested each agency examine and recommended to table this to the next meeting. Member Zoba suggested directing consultants to include it in the draft annual report, as it can be removed if desired.

Mr. Blandon said he will work with Mr. Stuart to revise tables and present a draft at the March meeting. Chair Vela said he would like to look at it before deciding to include it in the annual report.

There is also a recommendation to revise the Rules and Regulations to accomplish this, which could deal with some of the concerns raised, Chair Vela said.

Member Jagers discussed the impacts of conservation mandates.

D. Update on the Safe Yield Reset of the Beaumont Basin

Recommendation: No recommendation

Mr. Harder reviewed the requirement for redetermination of the safe yield and provided history. He discussed calibration of the model, assumptions, and forecasts, and advised that the preliminary recommendation is 7,000 to 7,100 acre-feet for the next 10 years.

Mr. Harder pointed out that almost all overlier wells are on the west side of the Basin, and most recharge is occurring on the east side. He questioned what the safe yield of the east or west might be and proposed division of the Basin at the central Beaumont Plains fault.

Member Zoba said he agreed with the analysis, stating that 7,100 af is a 6 percent increase and seems reasonable; Chair Vela concurred.

In response to Chair Vela and Member Vestal, Mr. Harder provided detail on the projections based on the projected assumptions.

Member Jagers pointed out the use of a 97 percent State Water Project allocation. Mr. Harder said the source of that data was the historical period from 2003 onward. Member Jagers pointed to other sources in the SGPWA portfolio, and Mr. Harder said they were either not included or were buried in the data.

Member Jagers noted that the effects of the Making Conservation a Way of Life regulations: the Safe Yield increases with pumping. He discussed Basin management and strategies and suggested reaching out to overlies for an opportunity to comment.

Mr. Campbell noted there is a 16,000 af deficit from the last 10 years based on the Safe Yield calculation. He pointed out that there has been a dry period, yet the Safe Yield is going up. All previous models may be less accurate, Member Jagers noted and asked if there was a level of confidence in the reliability of the current model. Mr. Harder discussed the model.

Mr. Eckhart added some factors for consideration: there is a new groundwater sustainability agency on the east side of the Basin that depends on the underflow component, and the water portfolio has expanded and there will continue to be an active pushing of water into the east side of the Basin. Collaboration will be required to hold onto water the SGPWA is actively trying to harvest and store.

Modeling is complete, and it is now a matter of determining a number, Mr. Harder stated, and reiterated the recommendation. Member Jagers reiterated the recommendation of contacting the overlies. Mr. Harder said a Technical Memo was being prepared and would be sent out as a draft with the 7,100 af safe yield.

E. Basin Management Scenarios

Recommendation: No recommendation.

In response to a question from Member Zoba about estimates of the leakage from the Basin toward Cabazon, Mr. Harder said there is a loss paper dated 2017 but does not include a specific number. Chair Vela pointed out the development of a policy or plan to calculate losses is listed in Topics for Future Meetings.

Mr. Harder reminded about discussion about significant and unreasonable Basin conditions and provided potential examples. The goal would be to establish a basis for identifying significant and unreasonable conditions, and provide a planning tool to avoid those. He said he would send scenarios to the Committee members to provide input.

Member Jagers noted that other agencies have storage accounts in the Basin and should likely be included.

Mr. Harder further detailed potential scenarios. Following the process of identifying significant and unreasonable Basin conditions, then projects and management actions would be identified to help stay out of that condition. At the next meeting, he will present a scope and cost to run the scenarios.

At the request of Mr. Harder, the members discussed the potential of establishing Basin management areas. He reminded that the original vision was to put together a plan, and this model and these analyses would inform the plan. Chair Vela concurred, adding that the idea was to determine how to better manage the Basin as a whole, but it is two separate systems.

After substantive discussion, Member Zoba recommended pumping the brakes on this discussion and taking a fresh look at the next workshop. Chair Vela agreed on delaying the modeling until it is determined where this is to go.

F. Update on Development of Data Management System

Recommendation: No recommendation.

Chair Vela tabled this item to the March 6, 2024 meeting.

VIII. Topics for Future Meetings

| | Item | Date Listed |
|---|---|-------------------------|
| A | Development of a Recycled Water Policy | 3/27/2019 |
| B | Development of a return flow accounting policy | 3/27/2019 |
| C | Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management | 3/27/2019 |
| D | Procurement Policy including thresholds for RFP process | 8/17/2021 |
| E | Incidental discharge | 10/6/2021 |
| F | Monitoring of future west side well sites and methodologies, and potential collaboration with USGS | 10/5/2022 |
| G | Discussion on what to do when an Appropriator goes negative | 10/4/2023 and 11/1/2023 |

IX. Comments from the Watermaster Committee Members:

Member Jagers noted there was good dialogue today, and he looks forward to further sophistication in understanding and management of the Basin.

X. Announcements

2024 Meeting Dates:

| | |
|----------------------------------|-----------------|
| Wednesday, March 6 at 11 a.m. | Special Meeting |
| Wednesday, April 3 at 11 a.m. | Regular Meeting |
| Wednesday, June 5 at 11 a.m. | Regular Meeting |
| Wednesday, August 7 at 11 a.m. | Regular Meeting |
| Wednesday, October 2 at 11 a.m. | Regular Meeting |
| Wednesday, December 4 at 11 a.m. | Regular Meeting |

XI. Adjournment

Vice Chair Armstrong adjourned the meeting at 1:09 p.m.

Attest:

DRAFT UNTIL APPROVED

 Daniel Jagers, Secretary
 Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Special Meeting
Wednesday, March 6, 2024**

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave., Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:00 a.m.

II. Roll Call

| | | |
|--|------------------------|----------------|
| <i>City of Banning</i> | <i>Art Vela</i> | <i>Present</i> |
| <i>City of Beaumont</i> | <i>Robert Vestal</i> | <i>Present</i> |
| <i>Beaumont-Cherry Valley Water District</i> | <i>Dan Jagers</i> | <i>Present</i> |
| <i>South Mesa Water Company</i> | <i>David Armstrong</i> | <i>Present</i> |
| <i>Yucaipa Valley Water District</i> | <i>Joseph Zoba</i> | <i>Present</i> |

*Hannibal Blandon and Thomas Harder were present as engineers for the
Beaumont Basin Watermaster (BBWM).
Steve Stuart of Dudek was present as BBWM administrator.*

Members of the public who registered and / or attended:

*Brittany Lim, South Mesa Water Company
Ron Duncan, San Gorgonio Pass Water Agency
Lance Eckhart, San Gorgonio Pass Water Agency
Mike Kostelecky, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Alison Edmisten, Yucaipa Valley Water District
Erin Anton, Yucaipa Valley Water District
Thaxton Van Belle, City of Beaumont
John Covington, Morongo Band of Mission Indians
Robert Rasha, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District*

III. Pledge of Allegiance: Chair Vela led the pledge.

IV. Public Comments: None.

V. Workshop / Discussion Items

A. Discussion on Process and Categorization of Water Sources in Annual Report and Use of Different Types of Storage Accounts

Hannibal Blandon of ALDA reminded the Committee about discussion on the categorization of water sources and the consensus there was no need to differentiate, as water comes from the same storage account.

Discussion needs to be incorporated into the annual report, Blandon continued, and introduced a draft subsection showing Tables 3-8 and 3-9. He reviewed the content in detail.

Additional water supply is required when a storage account is at zero, which is the fundamental premise of the adjudication, Mr. Blandon stated. At that point, under the Rules and Regulations, that Appropriator would pay an assessment. Chair Vela asked what would happen if there was no additional water supply available to purchase. Mr. Blandon pointed out that the Judgment provides that all producers shall be allowed to pump sufficient water from the Basin to meet their respective requirements.

The Committee discussed:

- *Could the BBWM purchase water from the San Gorgonio Pass Water Agency*
- *The Basin adjudication was not established to allow harm to another entity*
- *Levy / penalty for a storage account going negative*
 - *Formula-based solution / daily charge*
 - *Punitive, intended to be corrective*
 - *Better for the Appropriator to solve the problem before going negative*
 - *May not be effective*
 - *It is the cost of doing business*
- *Fees could be collected in an escrow account*
 - *End result is the Appropriator would pay twice*
 - *How does that money get spent?*
 - *To supplement the Basin with additional water or similar use*
- *Intention of the judgment is to make the Basin whole*
- *This Committee is for accounting, not to cure someone's problem*
- *In the spirit of collaboration, there are management actions that can be done to maintain the Basin in balance*

Dudek has been retained to review the Rules and regulations and this seems like an element of discussion for that activity, Member Jagers noted.

Member Armstrong requested a redline draft of the annual report.

Mr. Stuart suggested approaching management strategies by looking at potential future scenarios.

B. Discussion on Management Areas

Mr. Steve Stuart reminded of previous discussion and reviewed proposed Basin management areas. He noted recognition of the physical features / constraints affecting the groundwater flow and jurisdictional boundaries.

If implemented, water budgets would be quantified, which may lead to identifying undesirable results. It would also guide prioritization of projects such as additional artificial recharge. The judgment is the guiding document to use of groundwater resources, he assured.

The approach for the management areas is to break it down to try to understand better what is going on.

Member Armstrong said he is not seeing an issue related to east vs. west side of the Basin; it is one Basin. Mr. Stuart reminded about the decline in storage of 41,000 af on the west side. He noted that SMWC is on the north side of the San Gorgonio Pass fault zone, but the drop in storage is on the other side.

It is a matter of looking deeper into the causes and potential issues to help address the decline, Stuart continued. Overall production far exceeds the Safe Yield, he advised. Looking at the impacts of scenarios is the purpose behind this, he said.

Mr. Armstrong advocated establishment of a recharge basin on the west side.

Mr. Stuart shared maps and described the fault lines and groundwater flow. He proposed four management areas driven by jurisdictional boundaries and physical boundaries that influence groundwater flow. Analysis in each management area would guide the prioritization of projects.

Member Jagers discussed decline in precipitation and related return flow, the lack of overlies (who are the majority of the extractors) in the room, a well site request from BCVWD to SGPWA to pump the mound, and the safe yield calculation is probably wrong from a physical solution perspective. Before moving further, the overlie entities need to be in the room, he stated. Of additional concern are the conversion of overlie rights to appropriative rights, he noted.

Member Zoba said he liked the management areas and pointed to the groundwater contours. He suggested looking at change in storage in the four areas. Until a volume of water can be quantified, it is hard to determine how well such a large region is actually doing. There is potential for a better management strategy in the four zones.

Member Jagers suggested renaming the areas "study zones."

Chair Vela agreed and noted that the Sustainable Groundwater Management Act was more restrictive than desired for the Basin's management. The intent is to understand how the subunits of the Basin are working and to develop management solutions, right-sizing projects. He said study should be based more on physical constraints.

Mr. Stuart presented a division into two areas based on hydrogeologic study areas.

Overlier rights are tied to the parcels identified in the judgment, Stuart continued. It is when an appropriator provides water to those particular parcels that the transfer of rights occurs. As these things come together, that is not going to be lost, he assured.

Member Zoba indicated that he was looking to more of a management area rather than study as that is the goal. If the west end is to be managed, impacts need to be understood. Agencies are not coordinating their actions, he noted. There should be an area of control and where activities are identified and tied together to link activity and results.

Member Jagers explained that BCVWD has been managing based on the annual reports and areas the District overlies. He discussed management actions and the need to understand leakage, studying the Basin as a whole.

Member Armstrong indicated support for one study area: the Basin as a whole.

Mr. Stuart said he would talk to Mr. Harder about study areas and look at calculating water budgets for each of the proposed "study areas".

C. Update on Data Management System

Mr. Michael Palavido advised the Committee that there is a Quick Start Guide on how to access the system. Between now and the next meeting he will enter additional data and create a function for members to enter their own data.

BCVWD will try to finalize well survey data in the next week or two, Member Jagers noted.

D. Identify next steps:

No discussion.

VI. Topics for Future Meetings

| | Item | Date Listed |
|---|---|-------------------------|
| A | Development of a Recycled Water Policy | 3/27/2019 |
| B | Development of a return flow accounting policy | 3/27/2019 |
| C | Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management | 3/27/2019 |
| D | Procurement Policy including thresholds for RFP process | 8/17/2021 |
| E | Incidental discharge | 10/6/2021 |
| F | Monitoring of future west side well sites and methodologies, and potential collaboration with USGS | 10/5/2022 |
| G | Direction for use of different types of storage accounts | 8/2/2023 |
| H | Discussion on what to do when an Appropriator goes negative | 10/4/2023 and 11/1/2023 |

VII. Comments from the Watermaster Committee Members:

Member Jagers said the group is better for the dialogue and the continued focus on understanding the Basin.

Member Armstrong noted that on March 15 the SMWC will be dedicating a reservoir to George Jorritsma.

VIII. Announcements

2024 Meeting Dates:

| | |
|----------------------------------|-----------------|
| Wednesday, April 3 at 11 a.m. | Regular Meeting |
| Wednesday, June 5 at 11 a.m. | Regular Meeting |
| Wednesday, August 7 at 11 a.m. | Regular Meeting |
| Wednesday, October 2 at 11 a.m. | Regular Meeting |
| Wednesday, December 4 at 11 a.m. | Regular Meeting |

XI. Adjournment

Chair Vela adjourned the meeting at 12:06 p.m.

Attest:

DRAFT UNTIL APPROVED

Daniel Jagers, Secretary
Beaumont Basin Watermaster

BEAUMONT BASIN WATERMASTER

Date: April 17th, 2024

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin through Mar 11, 2024

Recommendation: Presentation - No recommendation.

At the present time, there are 15 monitoring wells equipped with pressure transducers collecting water level information on an hourly basis at various locations throughout the basin. In addition, two of these monitoring wells are equipped with additional probes to collect barometric pressures at opposite ends of the Beaumont Basin. The location of active monitoring wells is depicted in the attached Figure No. 1. The location of two potential monitoring wells currently being considered are identified in red in this figure. Ground elevations at all sites were obtained from Google Earth, which has varied over time at selected sites and could continue to vary in the future. The Watermaster Committee is in the process of surveying all production and monitoring wells using a common datum.

Water levels at selected locations are depicted in Figures 2 through 7 and are described as follows:

- ✓ Figure No. 2 – Water levels at YVWD Well No. 34 and Oak Valley Well No. 5 are considered representative of basin conditions in the Northwest portion of the basin. From the summer of 2015 through the spring of 2019, water levels at these two wells were fairly steady; however, over the last five years a significant decline has been observed. A 20-foot decline has been recorded at YVWD 34 over this period to its current elevation of 2,122 ft. The decline at Oak Valley 5 has been steeper with a drop 24 feet in the first half of 2020 despite the fact that this well was pumped last in the fall of 2019. Oak Valley 5 is no longer being monitored, as of the Summer of 2020, as it has been destroyed. It is being included here for reference purposes at this time since there is no other well in the immediate area that could be used to monitor levels in the area.
- ✓ Figure No. 3 – Two of the Noble Creek observation wells are presented in this figure representing the shallow and deep aquifers. From the summer of 2016 through the spring of 2018, the water level in the shallow aquifer monitoring well increased over 80 feet to an elevation of 2,422 ft. Water level continued to increase, although at a lower rate, over the ensuing 18 months reaching a peak elevation of 2,431 ft in the fall of 2019. Since, it declined 100 feet to 2,331 ft. in the spring of 2023, a significant recovery of 77 ft has been recorded over the last year to its current elevation of 2,408 ft. In the deeper aquifer, the increase in water level was steady from the summer of 2016 through the spring of 2020 reaching a peak elevation of 2,302 ft.; a decline of 57 feet has been recorded since to a low elevation of 2,245 ft, recorded on August 15, 2023. On that date, this well was vandalized resulting in the disruption of the communications cable and the temporary collection of accurate water level information. With the November visit, the data was

cleaned and it is now included in the figure. A new communications cable was installed on December 6th 2023. Since August 2023, water level at this well has increased by 22 ft. to elevation 2,267 ft.

- ✓ Figure No. 4 – Southern Portion of the Basin. The water level at the Summit Cemetery well is highly influenced by a nearby pumping well that is used to irrigate the cemetery grounds. Since monitoring began, the water level has fluctuated over a 20-foot range. Water level information between January and October 2022 was not collected due to equipment malfunction and vandalism. New water level monitoring equipment was installed at the beginning of October 2022 and the site has been secured to minimize future vandalism. The newly installed optical communications cable worked for a few months, but failed to transmit and was replaced on January 10, 2024. Over the last two months the water level at this well has increased to elevation 2,518 ft, matching the spring of 2020 elevation, as the highest recorded since monitoring began.
- ✓ Also depicted in Figure No. 4 is the water level at the Sun Lakes well site. It has fluctuated minimally between 2015 and the end of 2021, when it began to decline. Between November 2021 and May 2022, the water level dropped by eight feet to 2,405 ft. However, it has recovered to 2,415 ft in the last 20 months. Water level information could not be collected between May and early October 2022 due to equipment malfunction. A new communications cable and recording probe were installed in early October 2022, while the probe has been working properly, the new optical cable has not and was replaced during our January 2024 visit.
- ✓ Figure No. 5 illustrates water levels at three wells owned by the City of Banning in the Southeast portion of the basin. While water level at the Old Well No. 15 (Chevron Well) has been fairly flat over the last six years, a somewhat significant and steady decline, close to 32 feet, has been recorded at Banning M-8 between the summer of 2015 and the present to its current elevation of 2,047 ft. Water level at Banning M-9 has fluctuated in a 19-foot range, between 2,128 ft and 2,147 ft. Current water level elevation is at 2,148 ft. represents the highest level recorded at this well since monitoring began. While the water level probe has been collecting data hourly at this well, over the last year, three communications cables have been replaced due to the failure of the water seal at the bottom of the cable. The latest replacement cable was installed during our January visit and continued to work during our March 2024 visit, a good sign.
- ✓ Figure No. 6 illustrates recorded water level at BCVWD No. 2 and BCVWD No. 25. Water level at these two wells follow the same seasonal pattern rising in the fall through the spring months and falling during the summer as production increases. The water level at BCVWD No. 25 has been fluctuating over a 25 ft range between 2,191 ft and 2,215 ft in elevation; however, this past summer (2023) it declined more than normal to a low elevation of 2,193 ft; since, water level is recovering to the current elevation of 2,203 ft. Over the last three years, summer lows have been lower each year, 2,199 ft in the summer of 2021, 2,194 ft in 2022, and 2,193 in 2023. At BCVWD No. 2, water levels prior to 2017 were discarded due to their inconsistency as variations of 50 ft or more were recorded from one day to the next without a plausible explanation. Since 2017, water levels have ranged between 2,188 ft and 2,216 ft with a current elevation at this well of 2,192 ft. showing a significant decline since the spring of 2023. Similar to BCVWD No. 25, lower summer lows have been recorded in recent years. A new communications cable was

installed at this well on December 6, 2023; however, no data was recorded due to malfunctioning of the recording probe. A recalibrated probe will be installed at this well during our May 2024 visit.

- ✓ Figure No. 7 depicts the recorded water level at the two newest observation wells, BCVWD No. 29 and Tukwet Canyon Well “B”. BCVWD No. 29 is a pumping well on the western portion of the basin. This well was extensively used prior to 2022; however, minimum pumping has been recorded since the winter of 2021. A decline in water level of nine feet has been recorded between the spring of 2019 and the spring of 2021. During the May 2021 visit, the communications cable could not be pulled and information from the water level probe could not be downloaded. During our January 2022 visit, the water level meter got lodged between the pump column and the well casing and could not be removed; it has been there since. There is a chance that the water level meter probe may not be recovered until the column is pulled from the well and the equipment recovered.
- ✓ Tukwet B is a dedicated monitoring well in the southern portion of the basin with minimal fluctuations in elevation since the probe was installed in the spring of 2019. The latest water level was at 2,218 ft representing the highest recorded level since monitoring began.

Monitoring Wells Additions

No additional monitoring wells were added during this reporting period.

Equipment Installation and Replacement

Communication cables were replaced at:

- ✓ Banning M-8 (March 2024)

Troubleshooting Issues

Water level information was manually retrieved at the following wells due to malfunctioning of the communication cables:

- ✓ YVWD No. 34
- ✓ Mountain View
- ✓ Banning M-8
- ✓ Tukwet B

Other troubleshooting issues include:

- ✓ BCVWD No. 2 – A new communications cable was installed on Dec 6, 2023; however, no data was recorded since due to a malfunctioning of the water level probe. The probe was reset on Jan 23, 2024 and checked on February 7, 2024 and again on March 11, 2024 without positive results. Upon close examination and consultation with Solinst technical support, it was determined that the voltage on the probe was low despite of showing 100 percent charge. This and other probes were initially installed in 2015 and have been sent to Solinst for battery replacement and recalibration as their battery life is approaching the expected charge life of 10 years.

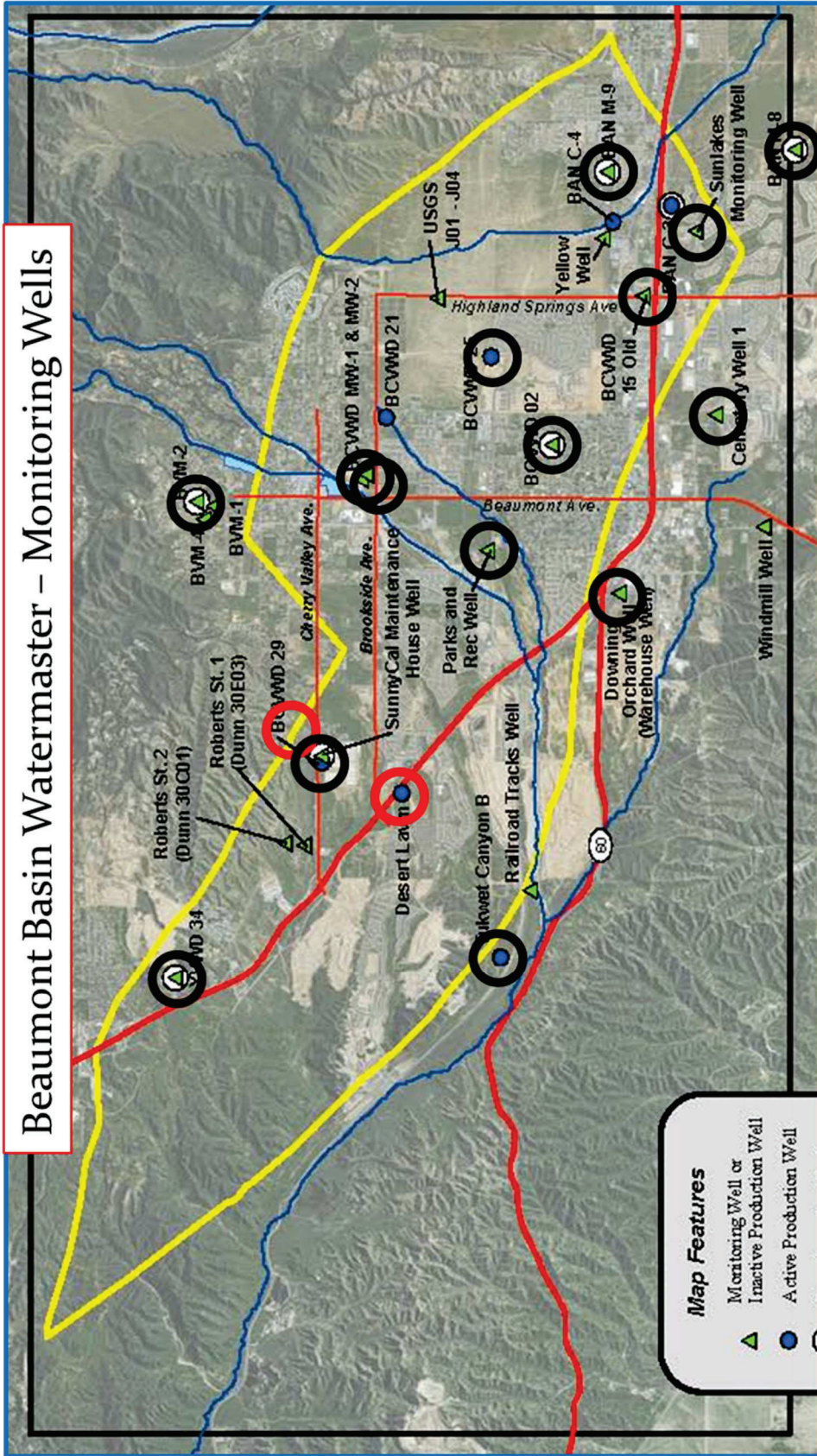
- ✓ Icon Warehouse – A new communications cable was installed on Jan 10, 2024; however, no data was recorded since due to a malfunctioning of the water level probe associated with low voltage. The probe was reset on Jan 23, 2024 has worked fine since. This probe will be replaced with a recalibrated probe during our May visit.

Potential Monitoring Sites

Two production wells have been identified as potential monitoring wells recently. The owners have been contacted and the sites visited. The first well is owned by the Beaumont-Cherry Valley Recreation and Park District. The well is located on the north side of Cherry Valley Blvd and has been recently used to supply water during grading for construction of two warehouses nearby. Upon construction of these facilities, this well will be available to irrigate nearby lands; a monitoring probe could be installed with minor modifications at the well head.

The second well is owned by Plantation on the Lake. The site has been visited and owner is considering drilling a hole on the well head to accommodate the monitoring probe. No progress has been made by owner.

Beaumont Basin Watermaster – Monitoring Wells



| Wells with Working Monitoring Probes | | Potential Monitoring Wells |
|--------------------------------------|-----------------------|----------------------------|
| Bonita Vista No. 3 | Tukwet Well B | Beaumont Parks and Rec. |
| Noble Creek Ponds 4 Deep | Summit Cemetery No. 1 | Plantation on the Lake |
| Noble Creek Ponds 4 Shallow | Sun Lakes Golf Course | |
| Noble Creek Park | Banning M-8 | |
| BCVWD Old 15 (Banning) | Banning M-9 | |
| | BCVWD No. 2 | |
| | BCVWD No. 25 | |
| | BCVWD No. 29 | |
| | YVWD No. 34 | |
| | Icon Warehouse | |

Figure No. 2
Static Groundwater Elevations at YVWD No. 34 and Oak Valley No. 5
 (July 29, 2015 through Mar 11, 2024)

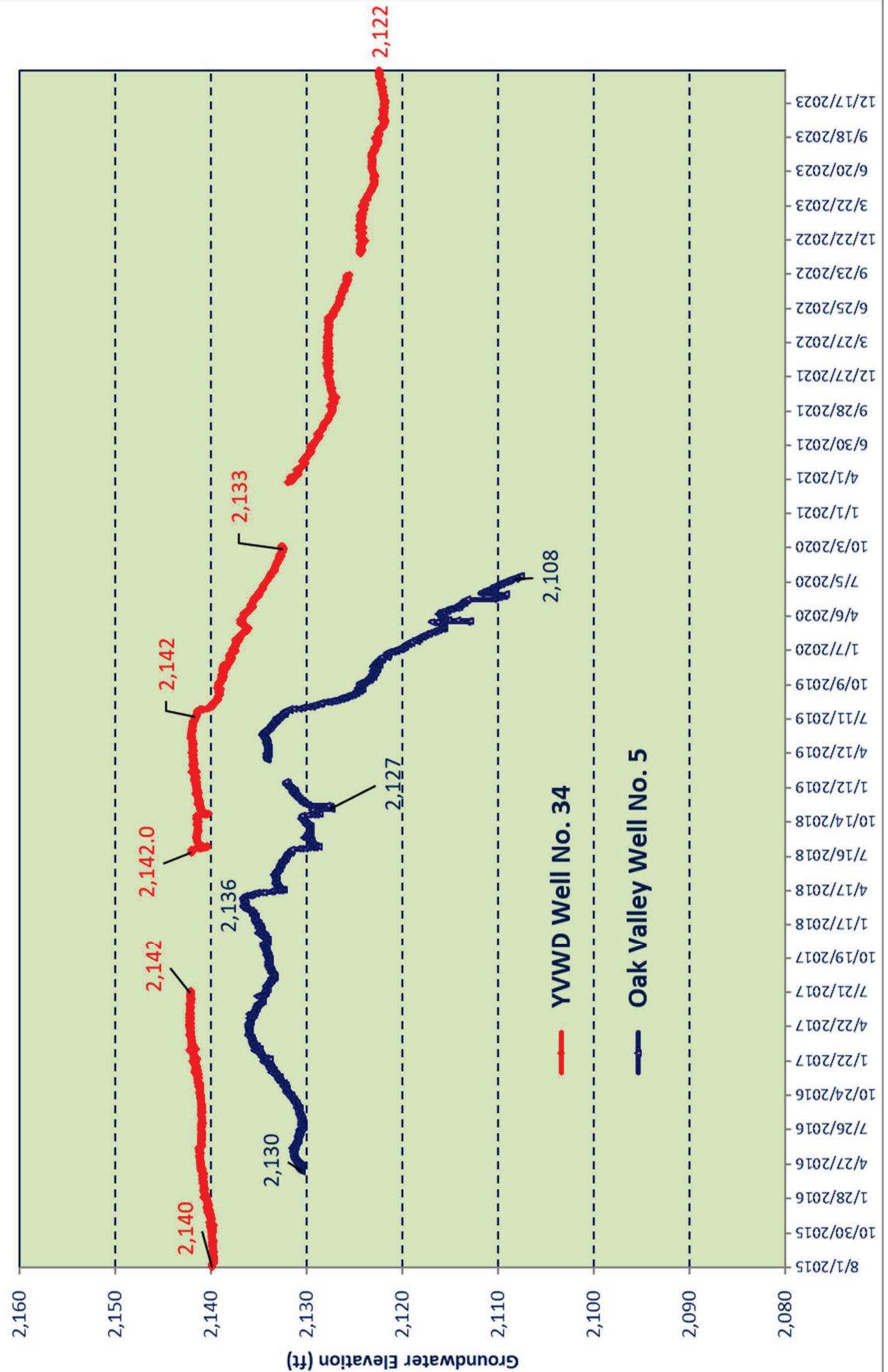


Figure No. 3
Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D
 (May 28, 2015 through Mar 11, 2024)

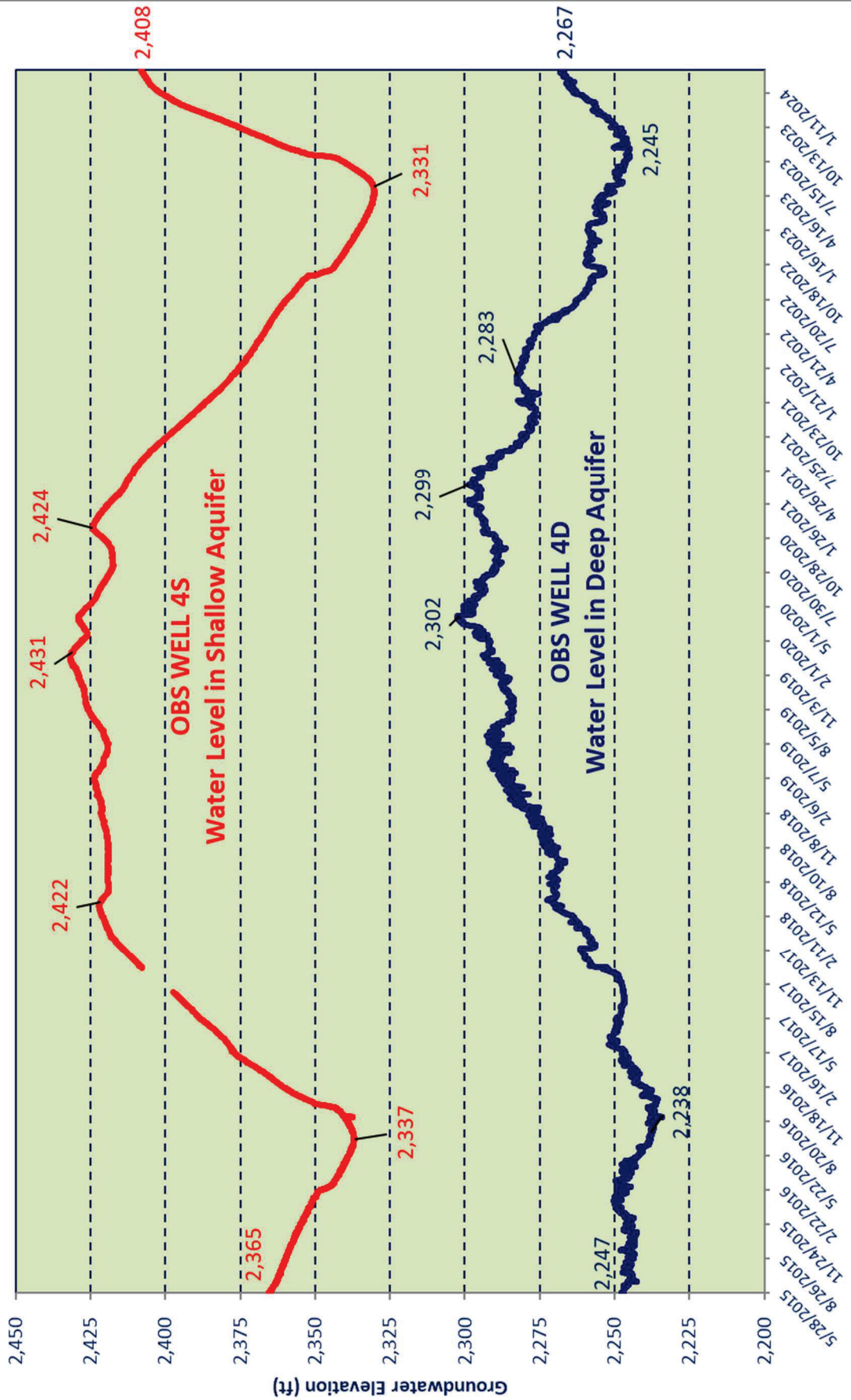


Figure No. 4
Static Groundwater Elevations at Summit Cemetery and Sun Lakes Wells
 (May 28, 2015 through Mar 11, 2024)

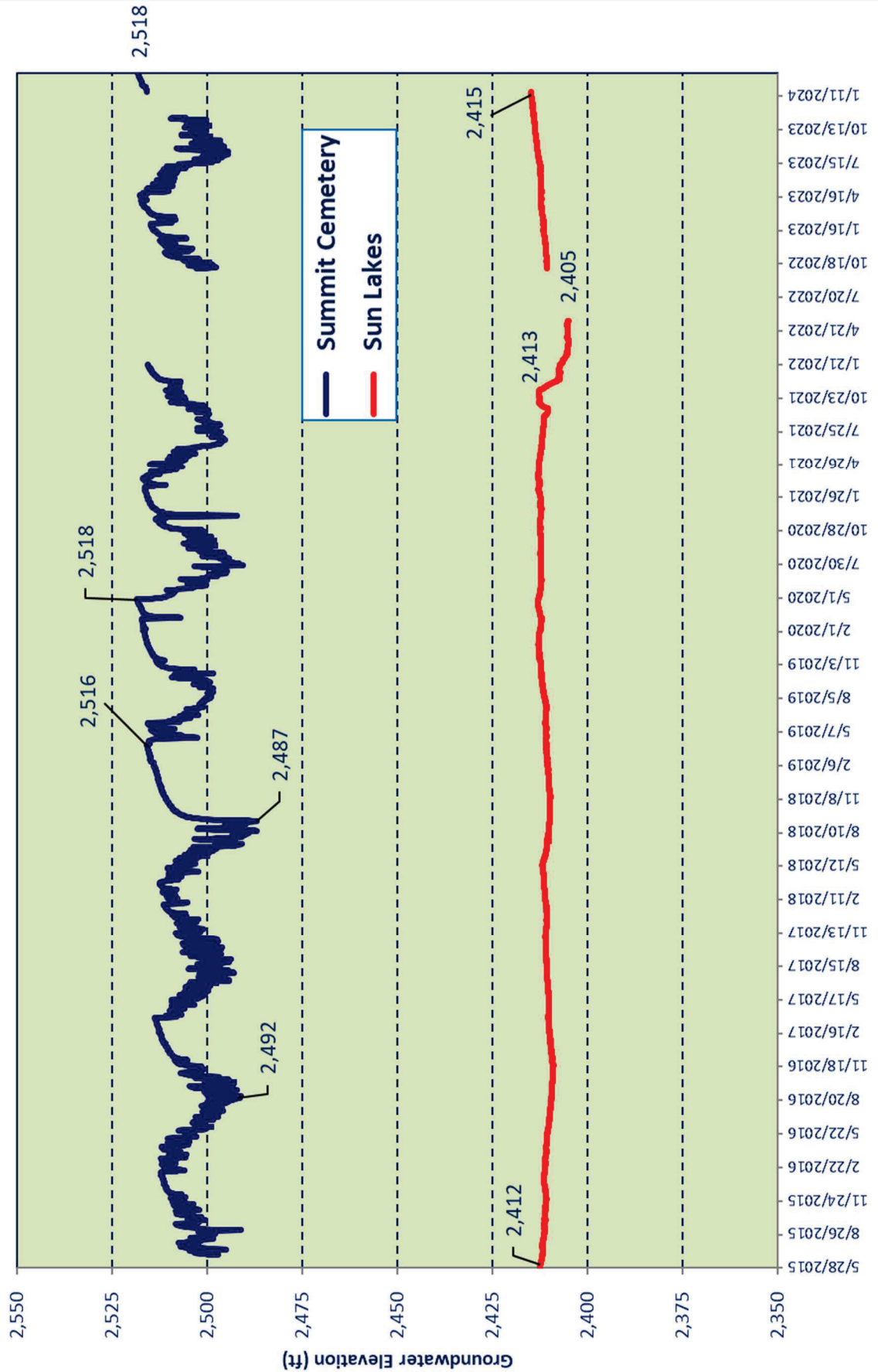


Figure No. 5
Static Groundwater Elevations near the Banning Basin
 (May 28, 2015 through Mar 11, 2024)

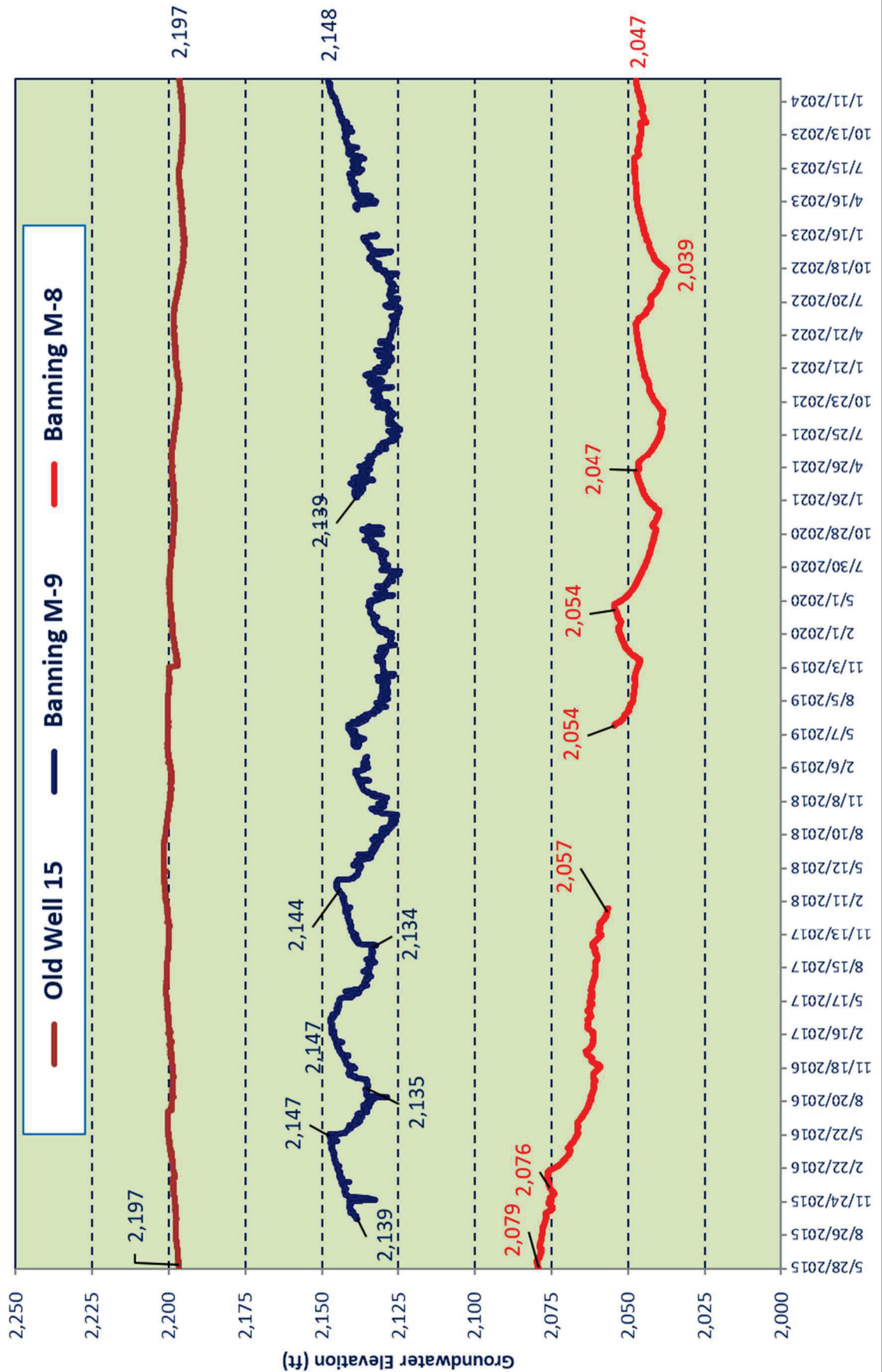


Figure No. 6
Static Groundwater Elevations at BCVWD Wells No. 2 and 25
(Jan 26, 2017 through Mar 11, 2024)

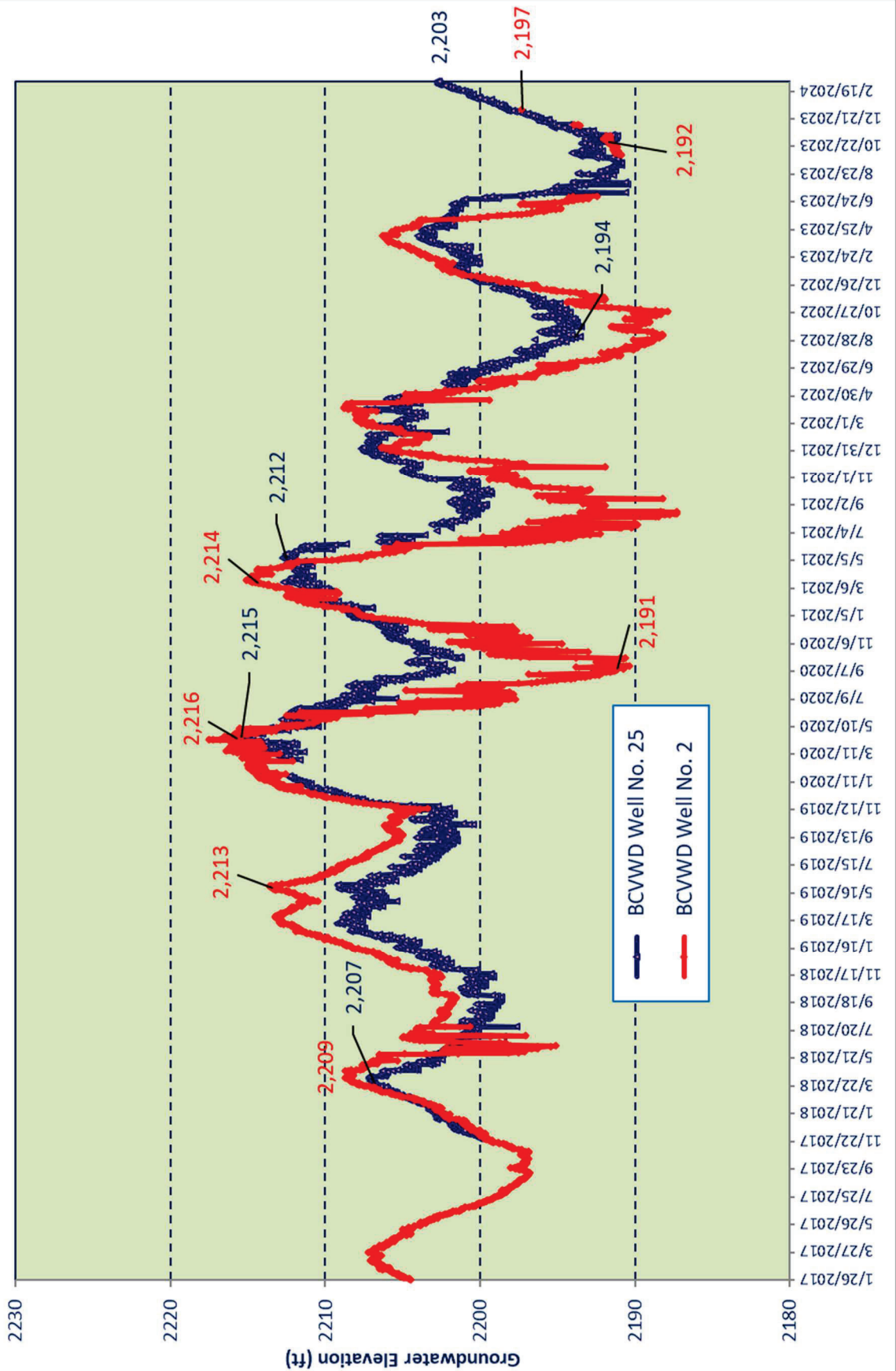
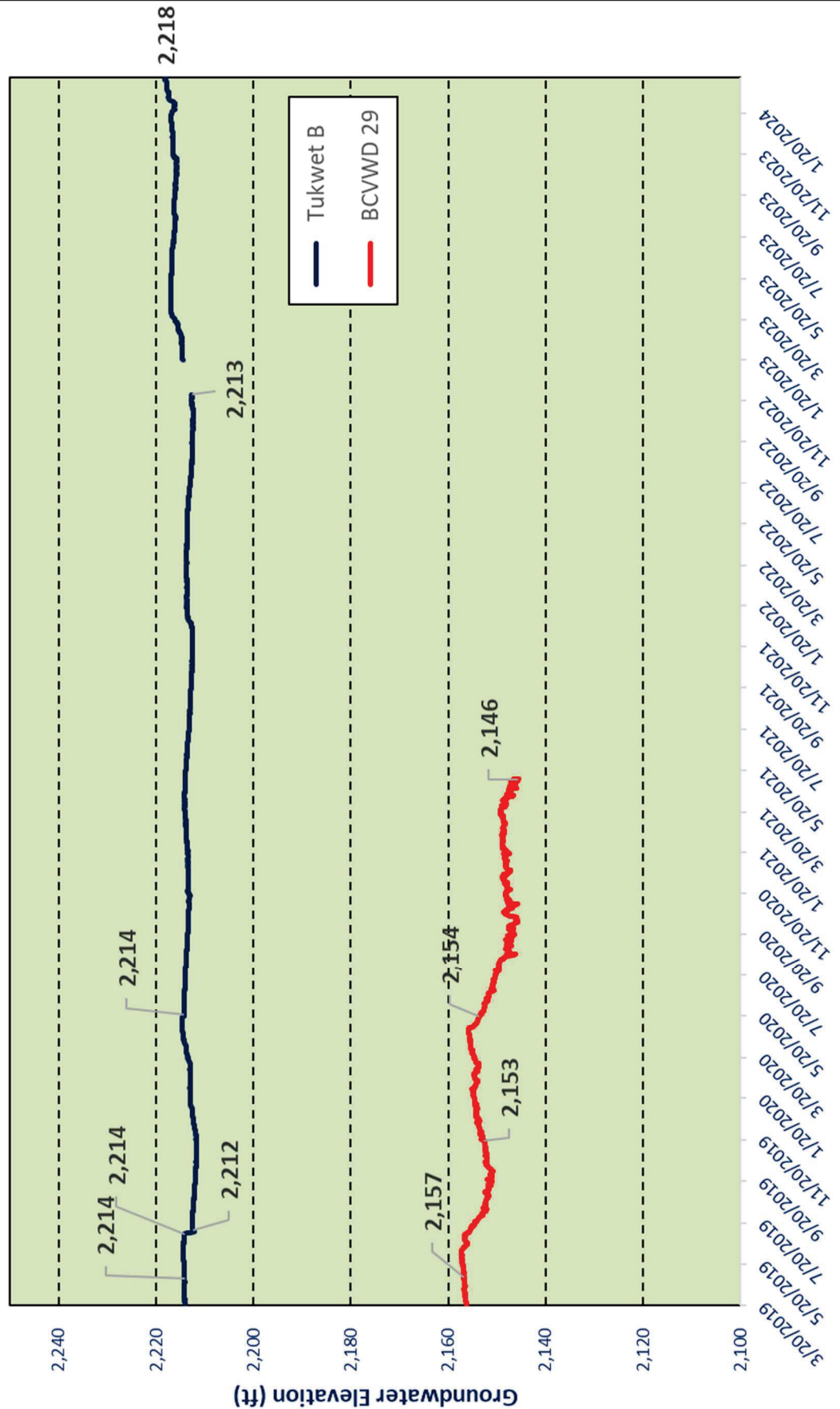


Figure No. 7
Static Water Level at BCVWD No. 29 and Tukwet Cyn Well B
(Mar 20, 2019 through Mar 11, 2024)



BEAUMONT BASIN WATERMASTER

Date: April 17th, 2024
From: Hannibal Blandon, ALDA Inc.
Subject: A Comparison of Production Rights vs. Production through Feb 2024
Recommendation: No recommendation - For informational purposes only

This Technical Memorandum presents a comparison of Appropriator’s Production Rights from the Basin against actual production. At the beginning of each year, Appropriators have certain Production Rights resulting from: a) unused production by overlying users from 2019 and/or b) permanent transfers of overlying water rights. Production Rights for individual Appropriators can be increased through the course of the year by spreading imported (supplemental) water.

Total production by Appropriators through February 2024 was 873 ac-ft while Appropriator’s Production Rights for the same period were 5,781 ac-ft resulting in a positive storage balance of 4,908 ac-ft, as presented in the table below. Spreading of supplemental water in the first two months of the year was 441 ac-ft, all by BCVWD. The Production Rights for all Appropriators was higher than their respective production amounts resulting in a net temporary addition to their individual storage accounts. Storage accounts will be adjusted throughout the calendar year.

| | City of Banning | Beaumont Cherry Valley W. D. | South Mesa Mutual W. C. | Yucaipa Valley W. D. ⁽¹⁾ | Total |
|---|-----------------|------------------------------|-------------------------|-------------------------------------|---------|
| Appropriative Water Rights | 1,528 | 2,067 | 607 | 660 | 4,682 |
| Transfer of Overlying Water Right to Appropriator | 0 | 0 | 0 | 478 | 478 |
| Supplemental Water | 0 | 441 | 0 | 0 | 441 |
| Appropriator’s Production Rights | 1,528 | 2,508 | 607 | 1,138 | 5,781 |
| Production ⁽²⁾ | 4 | 811 | 17 | 41 | 873 |
| Change in Storage Account | 1,524 | 1,697 | 590 | 1,097 | 4,908 |
| Storage Account Balance as of December 2023 | 47,651 | 32,884 | 10,506 | 16,855 | 107,896 |

1.- YVWD was credited at the beginning of the year with 478.30 ac-ft of Overlying transfers from OVP. Actual credit may be different at the end of the year.

2.- Production by the City of Banning includes two ac-ft of groundwater produced by BCVWD and delivered to the city at their two connection points.

Discussion Items

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-09**

Date: April 17, 2024

From: Hannibal Blandon, ALDA Inc.

Subject: **Certification of Groundwater Production and Imported Water Use during Water Year 2023**

Recommendation: **Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during Water Year 2023**

By April 1 of every year, the Beaumont Basin Watermaster is required to fill out an on-line form with the State of California Department of Water Resources (DWR) documenting the use of water in the basin during the previous year. As part of the documentation submitted, a PDF copy of the Final Annual Report is normally required.

In previous years, the required information was submitted on a Calendar Year basis; however, starting in 2024, the corresponding information for 2023 and subsequent years hereafter will be submitted on a Water Year basis. The Annual Report will continue to be submitted on a Calendar Year basis.

Considering the 2023 Final Annual Report of the Beaumont Basin will not be ready until the June meeting, at the earliest, DWR indicated that the on-line forms can still be filled out and submitted to the state before the April 1st deadline. DWR requested that a formal letter from Watermaster be attached documenting that the production, storage, and imported water use quantities used in the form for 2023 are accurate and that a copy of the final annual report be submitted at a later date.

The information requested by the State was not submitted on time. The information provided in this TM should be sufficient to provide the State with the requested information and could be used to fill out the on-line form with DWR. The requested information is as follows:

- ✓ 2023 Groundwater Production
 - Total groundwater production: 15,033 ac-ft
 - Metered production: 15,020 ac-ft (Low uncertainty)
 - Other method (Water Duty): 13 ac-ft (Medium uncertainty)
- ✓ 2023 Surface Water Supply
 - State Water Project deliveries: 16,147 ac-ft (Low uncertainty)
- ✓ Total Water Use: 15,033 ac-ft
- ✓ 2023 Change in Storage: 3,643 ac-ft

Attachments: 2023 Production Certification
Change in Basin Elevation

5928 Vineyard Avenue
Alta Loma, CA 91701
Tel: (909) 587-9916
Fax: (909) 498-0423

April 10th, 2024

Dan Jagers, Secretary
Beaumont Basin Watermaster
Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, CA 92223

Subject: **Certification of Groundwater Production and Imported Water Use in Water Year 2023**

Dear Mr. Jagger:

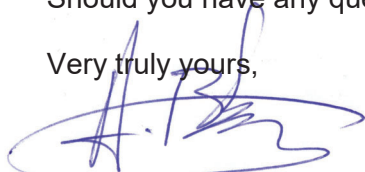
The purpose of this letter is to provide you, as Secretary of the Beaumont Basin Watermaster, with the necessary information to fill out an on-line form with the State of California Department of Water Resources (DWR) documenting the use of water in the basin during Water Year 2023. Due to miscommunication on our part, this letter was not submitted to you on time to meet the April 1, 2024 deadline. Please accept our apologies for this oversight.

Considering the 2023 Final Annual Report of the Beaumont Basin will not be ready until the June meeting, at the earliest, DWR has indicated in the past that the on-line forms can still be filled out and submitted to the state before the April 1st deadline. DWR requested that a formal letter from Watermaster be included in the on-line submittal documenting that the production, storage, and imported water use quantities used in the form for Water Year 2023 are accurate and that a copy of the final annual report be submitted at a later date. The information presented below was extracted during the preparation of the 2023 Draft report. This information can be used to fill out the on-line form on DWR's website. The requested information is as follows:

- ✓ 2023 Groundwater Production
 - Total groundwater production: 15,033 ac-ft
 - Metered production: 15,020 ac-ft (Low uncertainty)
 - Other method (Water Duty): 13 ac-ft (Medium uncertainty)
- ✓ 2023 Surface Water Supply
 - State Water Project deliveries: 16,147 ac-ft (Low uncertainty)
- ✓ Total Water Use: 15,033 ac-ft
- ✓ 2023 Change in Storage: 3,643 ac-ft

Should you have any questions on this matter, please contact us at 909-587-9916.

Very truly yours,

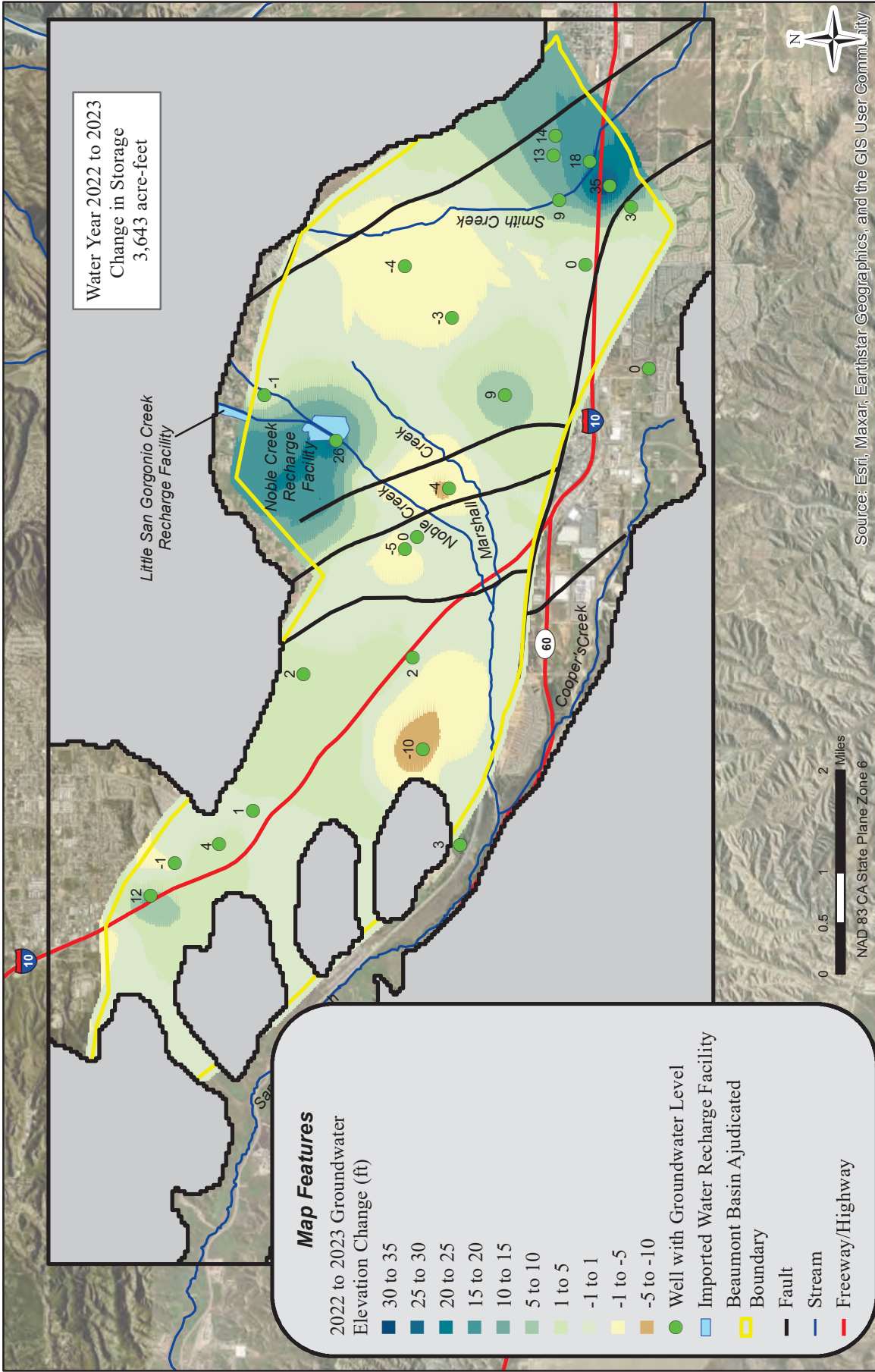


F. Anibal Blandon, P.E.
ALDA Inc.
Beaumont Basin Watermaster Engineering Support

Attachment 2

Evaluation of Groundwater Conditions and Operating Safe Yield for the Beaumont Basin – 2023

Beaumont Basin Watermaster



BEAUMONT BASIN WATERMASTER

Office of the Secretary Daniel K. Jagers
c/o Beaumont-Cherry Valley Water District
560 Magnolia Avenue / Beaumont, CA 92223

Office (951) 845-9581
email dan.jagers@bcvwd.org
beaumontbasinwatermaster.org

April 17, 2024

TO WHOM IT MAY CONCERN

SUBJECT: Report to DWR

The Beaumont Basin Watermaster Board of Directors (Board) was presented with the production, storage, and imported water use quantities for the Water Year 2023 at the meeting of April 17, 2024. Said quantities will be reported to the California Department of Water Resources (DWR) Adjudicated Basins Annual Reporting System and include a total 2023 water year change in storage of 3,643 acre-feet of water as part of this letter submittal. A copy of the Certification of Groundwater Production and Imported Waer Use in Water Year 2023 letter presented at the April 17, 2024 Board meeting is attached for reference.

The Beaumont Basin Watermaster has prepared a Draft 2023 Consolidated Annual report but said Report is still under review by the Board. A copy of the Annual Report will be uploaded to the DWR Adjudicated Basins Annual Reporting System when the final draft has been approved by the Board.

Sincerely,
BEAUMONT BASIN WATERMASTER COMMITTEE

Daniel K. Jagers
Secretary, Beaumont Basin Watermaster Committee
General Manager, Beaumont-Cherry Valley Water District

Attachment: Certification of Groundwater Production and Imported Waer Use in Water Year 2023

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-10**

Date: April 17, 2024

From: Hannibal Blandon, ALDA Inc.

Subject: 2023 Consolidated Annual Report and Engineering Report -
Presentation of Draft Report

Recommendation: For Information Purposes Only

ALDA Inc., in Association with Thomas Harder & Company, will make a formal presentation of the draft of the 2023 Beaumont Basin Consolidated Annual Report and Engineering Report. The presentation will include conditions of the basin including groundwater production, water levels, spreading, water transfers, and water quality conditions that occurred during CY 2023. In addition, the Operating Safe Yield estimate for CY 2023 will be presented.

Committee members will have the opportunity to ask questions and comment on the various sections of the report and presentation. Additionally, members of the Committee will have the opportunity to review the draft report and submit comments at a later date.

Documented comments will be addressed at the June 2024 regular meeting.

The Draft 2023 Consolidated Annual Report is available online from the “Documents & Publications” section of the Beaumont Basin Watermaster website:

www.beaumontbasinwatermaster.org

Direct link to document:

http://documents.yvwd.dst.ca.us/bbwm/documents/2024/240417_2023draftannualreport.pdf

Beaumont Basin Watermaster

2023 Consolidated Annual Report and Engineering Report

DRAFT

2023 Watermaster Board

Art Vela, City of Banning, **Chairman**

Dave Armstrong, South Mesa Water Company, **Vice Chairman**

Daniel Jagers, Beaumont Cherry Valley Water District, **Secretary**

Joseph Zoba, Yucaipa Valley Water District, **Treasurer**

Vacant, City of Beaumont

Alvarado Smith, **Legal Counsel**

Thomas Harder & Company in Association with ALDA Inc., **Engineering**

Rogers, Anderson, Malody, and Scott. LLP, **Financial Auditors**

April 2024

ALDA Inc.

5928 Vineyard Avenue
Alta Loma, CA 91701
Tel: (909) 587-9916
Fax: (909) 498-0423

April 17th, 2024

Art Vela, Chairman
Beaumont Basin Watermaster
560 Magnolia Avenue
Beaumont, CA 92223

Subject: **Beaumont Basin Watermaster - Draft Consolidated Annual Report and Engineering Report for Calendar Year 2023**

Dear Mr. Vela:

ALDA Inc., in association with Thomas Harder & Co. is pleased to submit to you, as Chairman of the Beaumont Basin Watermaster, a draft of the Beaumont Basin Watermaster Annual Report and Engineering Report for Calendar Year 2023. This draft report summarizes all production, spreading, water rights issues, and storage activities that took place during Calendar Year 2023. Further, it documents changes in water levels and storage conditions, as well as an estimate of the Basin Operating Safe Yield for 2023.

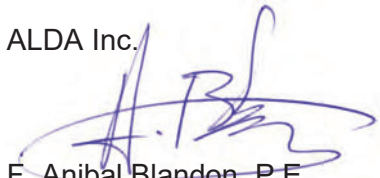
This draft report presents an evaluation of water quality conditions for all domestic wells in the basin during the 2019-2023 five-year period based on information obtained from the Groundwater Ambient Monitoring and Assessment Program. In addition, historical groundwater quality for both domestic and non-domestic wells obtained from the Maximum Benefit Monitoring Program is also included for your review and comment.

We will make a formal presentation to the Watermaster Committee during the Regular Board meeting on April 3rd, 2024. We welcome your review and comments on this report and look forward to answering any questions you may have.

Should you have any questions on this matter, please contact us at 909-587-9916 during normal business hours.

Very truly yours

ALDA Inc.



F. Anibal Blandon, P.E.
Principal

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Abbreviations

| | |
|-------------|---|
| ac-ft | acre-feet |
| ac-ft/yr | acre-feet per year |
| Banning | City of Banning |
| Basin | Beaumont Basin |
| BCVWD | Beaumont-Cherry Valley Water District |
| BMZ | Beaumont Management Zone |
| Beaumont | City of Beaumont |
| CDPH | California Department of Public Health |
| CVCOI | Cherry Valley Community of Interest |
| CY | Calendar year |
| FY | Fiscal year |
| GAMA | Groundwater Ambient Monitoring and Assessment |
| GQEC | Beaumont Board of Supervisors' Groundwater Quality Evaluation Committee |
| IRWMP | Integrated Regional Water Management Program |
| MCL | Maximum Contaminant Level |
| NL | Notification Level |
| NTU | Nephelometric Turbidity Units |
| OSWDS | On-Site Waste Disposal Systems |
| RCMHP | Rancho Calimesa Mobile Home Park |
| SGPWA | San Gorgonio Pass Water Agency |
| SMHOA | Sharondale Mesa Home Owner's Association |
| SMWC | South Mesa Water Company |
| STWMA | San Timoteo Watershed Management Authority |
| STWMP | San Timoteo Watershed Management Program |
| SWP | State Water Project |
| TDS | Total Dissolved Solids |
| UCR | University of California, Riverside |
| USEPA | United States Environmental Protection Agency |
| Watermaster | Beaumont Basin Watermaster Committee |
| YVWD | Yucaipa Valley Water District |

Section 1

Background

The 2023 Consolidated Annual and Engineering Report of the Beaumont Basin Watermaster Committee (Watermaster) consolidates the information about the basin previously presented in Annual Reports with the information presented in the bi-annual Engineer's Report. This report documents activities in the Beaumont Basin for Calendar Year 2023. Section 3 of the original annual report has been expanded and retitled as "Status of the Basin and Administration of the Judgment"; it documents the Administration of the Judgment as well as provides a status of conditions in the basin addressing water production, water levels, recharge of supplemental water, water transfers, and storage activities. In addition, a Water Quality Conditions section, Section 4, has been added to document water quality of selected compounds at selected wells, as well as basin wide concentrations for the 2019-2023 five-year period.

1.1 History of the Beaumont Basin Stipulated Judgment

In January 2001, the City of Beaumont (Beaumont), the Beaumont-Cherry Valley Water District (BCVWD), the South Mesa Water Company (SMWC), and the Yucaipa Valley Water District (YVWD) formed the San Timoteo Watershed Management Authority (STWMA). One of the initial tasks of STWMA was to develop a watershed-wide program to develop and implement a comprehensive management program for the San Timoteo watershed.

Phase I of the management program, documented in the San Timoteo Watershed Management Program, Phase I Report (WEI, 2002), included the following goals:

- ✓ Enhancing water supplies
- ✓ Protecting and enhancing water quality
- ✓ Optimizing the management of STWMA area groundwater basins
- ✓ Protecting riparian habitat in San Timoteo Creek and protecting/enhancing habitat in the STWMA area
- ✓ Equitably distributing the benefits and costs of developing the Integrated Regional Watershed Management Program for the San Timoteo watershed

One of the elements identified in the management plan to achieve the listed goals consisted in the establishment of a groundwater management entity for the Beaumont Basin. As a result of this initiative, two groups representing overlying users and water agencies with interest in this basin began negotiations in May 2002.

Over the next 18 months of negotiations, a Stipulated Agreement was developed and submitted to the Court. Honorable Judge Gary Tranbarger of the Superior Court of the State of California for the County of Riverside signed the Agreement, titled "San Timoteo Watershed Management Authority, vs. City of Banning, et al." (Case No. RIC 389197), on February 4, 2004, (the Judgment).

Pursuant to the Judgment, the Court appointed a five-member Watermaster Committee, consisting of representatives from each of the Appropriator parties: City of Banning, City of Beaumont, Beaumont Cherry Valley Water District (BCVWD), South Mesa Water Company (SMWC), and Yucaipa Valley Water District (YVWD). The effective date of the Judgment for accounting purposes was retroactively established to July 1, 2003.

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

1.2 Essential Elements of the Judgment

Elements of the 2004 Judgment are as follows:

- ✓ All producers shall be allowed to pump sufficient water from the Basin to meet their respective requirements.
- ✓ The Safe Yield of the Basin was established at 8,650 ac-ft/yr to be distributed among the Overlying Producers. The Safe Yield of the Basin is to be re-evaluated every 10 years, at a minimum.
- ✓ The Overlying Parties can extract a combined total of 8,650 ac-ft/yr with individual rights set for each Overlying Producer in an amount up to that set forth in column 4 of Exhibit B of the Judgment. If an Overlying Party pumps more than five times its share of the operating Safe Yield in any five consecutive years, the overlying producer shall provide Watermaster with sufficient funds to replace the overproduction.
- ✓ When an Overlying Party receives water service by an Appropriator Party, the Appropriator Party providing such service shall have the right to produce the volume of water foregone by the Overlying Party.
- ✓ A controlled overdraft of the basin was allowed to create enough additional storage capacity to prevent the waste of water. This controlled overdraft, also known as *Temporary Surplus*, allows Appropriators to extract up to 160,000 ac-ft of water from the basin over the 10-year period immediately following the Judgment inception. The Temporary Surplus ceases after the initial 10 years of operations.
- ✓ During the first ten years after adoption of the Judgment, the Appropriators have the right to extract, as a whole, a maximum of 16,000 ac-ft/yr not including storage credits from spreading supplemental water or transfers from Overlying Parties. The Temporary Surplus was divided among the Appropriators as follows:
 - Beaumont Cherry Valley WD 42.51 percent or 6,802 ac-ft/yr
 - City of Banning 31.43 percent or 5,029 ac-ft/yr
 - South Mesa Water Company 12.48 percent or 1,997 ac-ft/yr
 - Yucaipa Valley Water District 13.58 percent or 2,173 ac-ft/yr

- ✓ After the first 10 years of operation, Appropriators can extract only the amount each has in storage or credited to them.
- ✓ The Watermaster shall levy and collect assessments in each year, in amounts sufficient to purchase replenishment water to replace Overproduction by any Party from the prior fiscal year.
- ✓ The Watermaster has the authority to enter into Groundwater Storage Agreements with local and regional agencies for the storage of supplemental water, wellhead protection and recharge, well abandonment, well construction, monitoring, replenishment, mitigation of overdraft, and collection of assessments.
- ✓ Supplemental replenishment water can be in the form of recycled water, imported State Project Water, or other imported water. Replenishment can be accomplished by spreading and percolation, injection, or in-lieu use of surface water or imported water.
- ✓ A minimum of 200,000 ac-ft of groundwater storage capacity was reserved for conjunctive use. Any person, party to the Judgment can make reasonable beneficial use of the groundwater storage capacity for storage of supplemental water provided that it is in accordance with a storage agreement with Watermaster.
- ✓ Minimal producers, those producing less than 10 ac-ft/yr from the basin, and not listed in the Judgment, are exempt from the provisions of the Judgment.

1.3 2023 Legal Rulings Relating to the Judgment

There were no legal rulings relating to the Judgment during CY 2023.

1.4 Watermaster Responsibilities

Under the Judgment, the Watermaster is granted discretionary powers to develop and implement a groundwater management plan for the Beaumont Basin, including water quality and quantity considerations and being reflective of the provisions of the Judgment.

In carrying out its duties, Watermaster is responsible for providing the legal and practical means of ensuring that the waters of the Basin are put to maximum beneficial use. Specific responsibilities are summarized below.

1.- Administer the Beaumont Basin Judgment. Watermaster operates under the Judgment and the Rules and Regulations, originally adopted June 8, 2004. The Rules and Regulations have been amended a number of times since with the most recent amendment in December 2022, as documented under Resolution 2022-09. The Judgment and the Rules and Regulations establish the procedures by which Watermaster accounts for the water resources of the Basin. Watermaster has the power to collect administrative assessments from all Appropriators and replenishment assessments from those parties (Appropriative and Overlying) pumping in excess of their pumping right to fund its operations. Each year, Watermaster publishes an Annual Report, which documents groundwater production, recharge activities, water transfers between Appropriators, transfers of water rights from an overlying member to an appropriator in the Beaumont Basin.

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

3.- Maintain and Improve Water Supply. On an annual basis, Watermaster determines the amount of groundwater that each producer is entitled to pump from the Basin without incurring a replenishment obligation. Further, Watermaster is responsible for facilitating and coordinating the acquisition, recharge, and storage of imported water or other local supplemental water to replenish and/or conjunctively manage the Basin to increase local supplies.

4.- Monitor and Understand the Basin. Watermaster is responsible for collecting information from producers, and other cooperating agencies, in order to enhance its knowledge of how the Basin works and manage it more effectively. Information collected by the Watermaster includes:

- ✓ Water production, water level, and water quality information from the Appropriator Parties.
- ✓ Water production and water level information from the Overlying Parties.
- ✓ Water level and water quality data collected by local agencies as part of their Maximum Benefit and Monitoring Program for the Beaumont Management Zone.
- ✓ Ground surface elevations from periodic surveys conducted to determine whether ground subsidence may be occurring as a result of over pumping from the basin.

5.- Maintain and Improve Water Quality. Watermaster coordinates and participates in local efforts to preserve and/or enhance the quality of groundwater in the Basin. It assists and encourages regulatory agencies to enforce water quality regulations that may have an effect on the Basin groundwater sources and its surrounding resources. One of these programs is the Maximum Benefit Monitoring Program of the Beaumont Management Zone.

6.- Develop and Administer a Well Policy. Watermaster is responsible for developing a policy on the proper construction and abandonment of wells in the Basin. Through the adoption of Resolution 2004-04, the Watermaster adopted minimum standards for the construction, repair, abandonment and destruction of groundwater extraction wells in the Beaumont Basin. As part of this resolution, Watermaster adopted Riverside County Ordinance No. 682.3 and expanded it to require the installation of a sounding tube in order to facilitate the measurement of water levels on all future wells.

7.- Develop Contracts for Beneficial Programs and Services. Watermaster is responsible for developing and entering into contracts for programs and services that are beneficial to the Basin on behalf of the Parties to the Judgment. This includes programs for conjunctively utilizing the Basin for the storage of supplemental water with other agencies and programs to implement and expand the direct or indirect use of recycled water.

8.- Provide Cooperative Leadership. Watermaster may act jointly or cooperate with other local, state, and/or federal agencies to develop and implement regional scale programs for the management of the Basin and its surrounding resources.

1.5 Watermaster Address

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

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

1.6 Watermaster Website

Watermaster website address is www.beaumontbasinwatermaster.org. This website is maintained by YVWD and it is used by the Watermaster to communicate its activities to the Parties and the public. The website contains copies of the Judgment, the Rules and Regulations, Annual Reports, and Engineer's Reports. In addition, it contains meeting minutes, meeting agendas, and other documents of interest.

1.7 Mission Statement

Watermaster adopted the following mission statement in October 2004:

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

Section 2

Watermaster Activities

2.1 Makeup of the Watermaster Committee

During the February 1, 2023 Regular meeting of the Beaumont Basin Watermaster, the current Watermaster Committee Officers were re-affirmed to their respective positions for 2023 as follows:

- ✓ Mr. Art Vela – Chairman
- ✓ Mr. Dave Armstrong – Vice Chairman
- ✓ Mr. Dan Jagers – Secretary
- ✓ Mr. Joseph Zoba – Treasurer

The Watermaster Representatives serving each Appropriative Party at the end of CY 2023 were as follows:

| Agency | Representative | Alternate |
|---------------------------------------|----------------|---------------|
| City of Banning | Art Vela | Nathan Smith |
| City of Beaumont | Vacant | Robert Vestal |
| Beaumont Cherry Valley Water District | Daniel Jagers | Mark Swanson |
| South Mesa Water Company | Dave Armstrong | Britanny Lim |
| Yucaipa Valley Water District | Joseph Zoba | Jennifer Ares |

Legal counsel during CY 2023 was provided by Alvarado Smith APC, represented by Keith McCullough and Thierry Montoya, while Engineering Services were provided by Thomas Harder & Company, represented by Thomas Harder, in association with ALDA Inc., represented by Anibal Blandon.

2.2 Watermaster Accomplishments and Activities During 2023

2.2.1 Watermaster Meetings

A total of six regular meetings were held during CY 2023 on the following dates:

- ✓ February 1, 2023
- ✓ June 7, 2023
- ✓ October 4, 2023
- ✓ April 5, 2023
- ✓ August 2, 2023
- ✓ December 6, 2023

In addition, there were two Special Meetings on July 13, 2023 and November 1, 2023.

Agendas for each of the above regular and special meetings can be viewed at and/or downloaded from Watermaster's website or by making a request to the Watermaster Secretary. Pursuant to Resolution 2009-01, all of Watermaster's public records are open for inspection during office hours, provided that a written request to inspect said records has been submitted.

2.2.2 Watermaster Committee Resolutions

There was one resolution adopted by the Watermaster Committee during CY 2023. Resolution 2023-01. An unsigned copy of this resolution is included under Appendix A to this report. A signed copy is not available at the time of this report production; however, it will be incorporated into the Final 2023 Consolidated Annual and Engineering Report.

The Resolution adopted during CY 2023 is described as follows:

- ✓ **Resolution No. 2023-01** – A Resolution of the Beaumont Basin Watermaster Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels. Resolution was adopted at the June 7th, 2023 Regular Meeting of the Watermaster Committee by unanimous vote.

2.2.3 Items Discussed in 2023

This section is a summary of topics addressed at Watermaster meetings during CY 2023. The Beaumont Basin Watermaster maintains official meeting minutes that report the items discussed and actions taken during normal and special meetings. Signed official copies of the minutes for all regular and special meetings that took place during the year are included in Appendix B. Official meeting minutes may also be accessed at the Beaumont Basin Watermaster website: www.beaumontbasinwatermaster.org

The following items were discussed during the six regular meetings and two special meetings held in CY 2023 along with their resulting outcome.

Items Discussed During the February 1, 2023 Regular Watermaster Committee Meeting

- ✓ ***Consideration Reorganization of the Beaumont Basin Watermaster Committee – Chair, Vice Chair, Secretary and Treasurer [Memorandum 23-01]***. The current Watermaster Committee Officers were re-affirmed to their respective positions for 2023. Motion was approved unanimously
- ✓ ***Financial Status Report [Memorandum 23-02]***. Member Zoba recommended that this item be placed in the Consent Calendar in the future. He pointed out the list of task orders and suggested discussion at the next meeting regarding deprogramming some of the funds in those tasks that are no longer functional. No action was required.
- ✓ ***Independent Accountants Financial Report of Agreed-Upon Procedures for the Beaumont Basin Watermaster [Memorandum 23-03]***. Member Zoba explained that there is so little activity for this group, that an independent account's report is provided rather

than an audit. He briefly reviewed the report. Motion to approve Financial Report for the period ending June 30, 2022 was approved unanimously.

- ✓ *Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network [Memorandum 23-04].* Mr. Stuart reported that water elevations at well points throughout the basin may be off by tens of feet and suggested conducting a well survey to improve accuracy. Members Armstrong, Jaggars, and Zoba indicated that they had surveyed some of their facilities and will provide data. Mr. Stuart will evaluate the data and determine any gaps or weaknesses to be addressed in the survey. Member Hart asked about coordination with SGPWA, Mr. Stuart suggested collaboration with the SGPWA and the USGS. Chairman Vela invited public comment, there was none.
- ✓ *Development of Data Management System [Memorandum 23-05].* Mr. Stuart called attention to the importance of development of a data repository of all information collected in a GIS-based graphical interface for everyone to access. Member Armstrong asked about what the system would do and about cost. Mr. Stuart indicated that it will bring all the data together and make it accessible; he further explained that ESRI software would be used and estimated a cost of \$50,000. Member Zoba indicated that a similar tool is being used in the Yucaipa Basin with success and that it is long overdue for this adjudicated basin. Member Jaggars requested that the proposal include three-to-five year maintenance cost. Chair Vela invited public comment; SGPWA manager Eckhart advised that this is a modern tool that is needed in this Basin and it is worth the effort and SGPWA would be happy to partner. A motion to authorize Dudek to prepare a proposal to develop a GIS-based Data Management System for the Beaumont Basin was approved unanimously.
- ✓ ***Items Discussed During the April 5, 2023 Regular Watermaster Committee Meeting***
 - ✓ *Certification of Groundwater Production, Imported Water Spreading, and Change in Storage in the Beaumont Groundwater Basin during Calendar Year 2022 [Memorandum 23-06].* Member Jaggars reminded that upload of the data was required by April 1 and BCVWD has done so. A motion for certification was introduced and approved 4-0 as Chair Vela was absent.
 - ✓ *2022 Consolidated Annual Report and Engineering Report – Presentation of Draft Report [Memorandum 23-07].* Mr. Blandon highlighted a number of issues during the presentation related to production, groundwater levels, water transfers between Appropriators, imported water, precipitation, wastewater discharges and water in storage. In addition, he summarized the various resolutions that took place during the year as well the financial information for Fiscal Year 2023.

Mr. Harder discussed the 2022 operating safe yield and noted a year-to-year decline in storage of about 10,600 ac-ft. He also reported long-term declines in groundwater levels at several wells. Member Jaggars indicated that BCVWD did not pump Well 29 in 2022 in an attempt to balance the Basin. Based on water levels and storage changes, Mr.

Harder estimated the operating safe yield for 2022 at about 7,000 ac-ft/yr contrasted with 7,900 ac-ft/yr for 2021.

Member Armstrong asked if the management zones would affect storage accounts. Mr. Harder explained all would have to add up to the whole; it is just a matter of managing different areas differently.

Mr. Blandon presented the data on water quality and offered a number of recommendations related to groundwater storage losses, recycled water recharge, accuracy and consistency of data reporting, and the implementation of a water meter maintenance program.

Mr. Blandon requested comments by May 12 in order to be addressed at the June 7 meeting. All comments will be included as an appendix to the Annual Report.

- ✓ *Transfers of Water Rights to Beaumont-Cherry Valley Recreation and Park District [Memorandum 23-08].* Mr. Stuart advised that the BCVRPD is acquiring six parcels, combined 123 acres of land, donated by a developer. Along with the land, 300 ac-ft/yr of water rights are being transferred as part of Sunny Cal North rights transferred from Sunny Cal Egg and Poultry Company. Legal Counsel Montoya advised that there is still uncertainty and when approved it should be done through a resolution. Vice Chair Armstrong tabled the item to be brought back as a resolution at the June meeting.
- ✓ *Update of Well Survey Project and Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network [No Written Report].* Vice Chair Armstrong reminded the Committee of previous discussion. Mr. Stuart indicated that he is seeking information from the various agencies. Mr. Jagers noted that if data is needed from City of Beaumont wells, they can be included in BCVWD survey.
- ✓ *Proposal for Development of Data Management System and Demonstration [Memorandum 23-09].* Mr. Palavido of Dudek demonstrated a web-based application consisting of a GIS map-based interface for information on wells. Member Jagers indicated that the five BBWM agencies will share the initial cost and ongoing maintenance costs. Mr. Palavido indicated that most of the maintenance cost is for ESRI licensing. Members discussed taking this item to their Boards and brought back when the City of Banning is in attendance.
- ✓ *Approval of Expenditures related to Public Records Act Request [Memorandum 23-10].* Member Jagers explained that some records may not be readily available. This request is related to the reassessment of SWAPA's groundwater activities. Mr. Harder explained the content of the request for groundwater wells, which will take some effort to put together. Counsel Montoya clarified that SAWPA is entitled to the documents and this is a question of reimbursement of Mr. Harder's time. The expenditure was approved unanimously by present members.

Items Discussed During the June 7, 2023 Regular Watermaster Committee Meeting

- ✓ *Consideration of the Watermaster Budget for Fiscal Year 2023-24 [Memorandum 23-12].* Chair Vela noted that the recommendation is for approval of a budget for fiscal year 2023-24 of \$36,950. Year to date expenses total \$17,934. The Watermaster budget was approved on a 5-0 vote.
- ✓ *Resolution 2023-__ : Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels (Transfer of Water Rights to Beaumont-Cherry Valley Recreation Park and District) [Memorandum 23-13].* Mr. Stuart explained the resolution transferring rights. He indicated that the parcels to which the water rights were transferred per Resolution 2006-02 were identified, and those corresponding parcel numbers are now being transferred to BCVRPD and correspond with the parcels identified in Exhibit B of the Judgment. With the revised safe yield of 2013, the water right of 232.4 ac-ft/yr will be transferred. Resolution 2023-01 was approved unanimously.
- ✓ *Transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District [Memorandum 23-14].* Mr. Stuart provided some background on the transfer of all Oak Valley Partners under Resolution 2017-02 including YVWD transferring water rights in 2018 and 2019 for specific tracts and the litigation that took place in 2021.

In 2023, YVWD submitted five Forms 5 representing transfers from CY 2018 to CY 2022 and totaling 790.38 ac-ft. Counsel Montoya said he confirmed with Member Zoba that the water provided was for the parcels identified in Resolution 2017-02. He added that there is clear accounting on the BBWM side and recommended the transfer be approved.

Chair Vela noted that documentation did not indicate specific phases or tracts being served and that he would like to confirm that the water delivered is outside of the tracts noted in previous Forms 5 and that these are new developments for which transfers have not been accepted. After much discussion on the issue, Vela cautioned against double counting.

Member Jagers said he would like confirmation that figures are a true accounting of water supplied and he prefers the method where it is known where the water goes and approximate amounts, and there is a handle of it rather than general aggregate activities. He further added that the submittal did not follow the past process and clarifications are needed before receiving and filing. Member Ares noted this is a matter of interpretation, and the recommendation is to receive and file, not to approve. Member Jagers posited that the current Forms 5 do not provide the information as required by Resolution 2017-02 and requested clarity.

Member Ares moved to receive and file, there was no second. Member Jagers offered a substitute motion to receive and file with further documented clarification and further discussion, resolution, and adherence to the format of Resolution 2017-02. The motion was second and passed 4-1.

- ✓ *2022 Consolidated Annual Report and Engineering Report – Presentation of Comments Received on Draft Report [Memorandum 23-15].* Mr. Blandon reviewed comments provided by BCVWD and noted that the impact of YVWD's Form 5 submittal would be documented in the final report. Given the discussion in the previous item, Mr. Blandon indicated that it is not imperative to have the annual report approved at this meeting. Chair Vela tabled the item to the next meeting. Mr. Blandon requested agencies to submit comments by mid-July.
- ✓ *Proposal for Development of Data Management System [Memorandum 23-16].* Mr. Stuart reminded of the presentation of the proposal at the May meeting and discussed the need for some members to present the proposal to their respective Boards. Chair Vela indicated support and noted there is benefit and value for the cost. Mr. Eckhart (SGPWA) professed support and recommended his agency to participate with an equal share of with the Watermaster members. The proposal was approved unanimously.
- ✓ *Update on Well Survey Project and Request for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network [No Written Report].* Mr. Stuart reported that information has only been provided by SMWC. Member Jaggars explained that BCVWD has contacted one of its contractors to obtain the data in short order.
- ✓ *Discussion of Agenda Items for Proposed July Special Meeting / Workshop [Memorandum 23-17].* Mr. Harder reminded the Committee about an October 2021 presentation on storage and storage balances. Accounting of Basin storage losses was discussed at that time. A workshop was held in March 2022 and a follow up workshop is recommended in July. Mr. Harder made a number of recommendations of topics for discussion. Member Jaggars asked about further refinement of the model and discussion of new SGPWA recharge facilities. Mr. Harder said that he did not envision analysis, but more of a big picture of what happens in term of extractions and the way that the Basin is operated.

Items Discussed During the July 13, 2023 Special Watermaster Committee Meeting

- ✓ *Development of the Committee Vision for the Basin.* Mr. Stuart reviewed the current Mission Statement and suggested a vision statement to lead how the Watermaster may perceive its role in the future. Chair Vela suggested coming back to this issue in the future.
- ✓ *Production from Storage Accounts that Prevents Impact.* Mr. Harder indicated concern about the pumping out of all water in storage at the same time which could lead to visible impacts / undesirable results. He stated that while overall the basin looks good, on the west side the change in storage has been negative and prompted the Committee where to go from here.

There was much discussion about what to do and manage the basin with Member Jaggars pointing out that Well 29 has been shut off on the west side in an effort to extract from the east side and that recharge will be needed on the west side.

Member Zoba discussed the potential management zones and expressed concern about production impacts. He pointed out that the storage accounts have signaled to the development community that there is plenty of water available when water levels have dropped. Mr. Harder agreed with Member Zoba that serious action to correct the deficiency should be taken.

- ✓ *Possible Delineation of Management Zones in the Basin.* Mr. Harder presented the proposal for two management zones based on the difference in hydrogeology, and the advantages and disadvantages. Member Jagers pointed out some complications that would need to be addressed and noted the positive effects of groundwater recharge activities.
- ✓ *Preliminary Identification and Prioritization of Issues.* Mr. Harder recommended developing a preliminary idea of which is most important. Chair Vela recommended continued discussion on storage losses while Member Jagers noted that they are all intertwined and recommended a big picture approach. Member Zoba pointed to the SGMA process as a logical step to determine if the Basin is sustainable. Mr. Eckhart indicated that part of the plan should be production wells and a capture zone to manage the eastern boundary. Member Jagers indicated that sharing water opportunities with Banning and wheeling water to the west side to balance the basin are things to talk about. Mr. Harder suggested preparing an outline of the SGMA process and applying to the Beaumont Basin for the next workshop.

Items Discussed During the August 2, 2023 Regular Watermaster Committee Meeting

- ✓ *Presentation by San Geronio Pass Water Agency General Manager Lance Eckhart [No Written Report].* Mr. Eckhart described the SGPWA role as a State Water Contractor and noted that the agency is at the end of the SWP line. He indicated that SGPWA portfolio includes carryover water in the San Luis Reservoir and a water deal with the City of Ventura for 10,000 ac-ft for the 2022-42 period and 5,075 ac-ft of Article 21 water. He discussed a number of state-wide projects to increase reliability and discussed ongoing analyses regarding water banking, recharge, and other options to maximize the ability to import water. He emphasized this is a time of resource uncertainty and change, and said it is important to band together, look at assets and mutual strengths, and try to leverage those as a group.
- ✓ *2022 Consolidated Annual Report and Engineering Report –* Mr. Bandon provided background on comments received and presented the revised draft report. In response to Mr. Stuart regarding production rights by Appropriators, Table 3-8 of the report was modified to include a column to include production rights.

Member Zoba suggested that Appropriators should advise regarding the category from which water is being taken rather than have an automatic process. Mr. Bandon explained the calculations and reiterated this has never been done. Member Zoba suggested further discussion and possible addition to the Rules and Regulations. Member Jagers suggested a full review of the Rules and Regulations to modernize and

to handle such issues, creating a road map to success. Mr. Blandon assured that every issue and comment has been addressed. The 2022 Consolidated Annual and Engineering Report was approved unanimously.

- ✓ *Discussion / Clarification of Overlier Transfer Process.* Member Jaggars reminded of prior discussion indicating that YVWD did not appear to be following Resolution 2017-02. Mr. Stuart recommended a supplement to Form 5 as a table that compares current APNs to those listed in 2003 to determine which parcels are being served and better track the amount of water delivered.
- ✓ *Discussion Regarding the Structure of the Watermaster Committee and Inclusion of Elected Representatives as Primary Members [Memorandum 23-21].* In the previous meeting, Member Hart brought up the idea of having a discussion on the structure of the Committee; he would like to have elected representatives serve as primary members of the Committee. Member Jaggars noted that the responsibility for operations of the district is with the General Manager, he recommended following the outline in the Judgment. Counsel Montoya confirmed that any revisions to the Judgment would have to be amended and approved by the Court. After much discussion, Member Jaggars noted that this can be considered during any revisions to the Rules and Regulations.
- ✓ *Update on Development of Data Management System [No Written Report].* Mr. Stuart noted that online licensing with ESRI is underway; he is working on collecting well information for the Watermaster. A demonstration of the preliminary version will be done at the October meeting.
- ✓ *Update on Well Survey Project for Wells in the Beaumont Basin Monitoring Network [No Written Report].* Mr. Stuart said that he is still looking for well information from BCVWD and YVWD. Mr. Jaggars noted that BCVWD is in the process of hiring a survey company.
- ✓ *Discussion of Agenda Items and Special Meeting Data for Proposed September Workshop [No Written Report].* Member Jaggars noted that positive and negative feedback was received on the workshop format and that he had ordered eight microphones for the next meeting. Member Zoba suggested that instead of agendizing the meeting as a workshop, it should be as a special meeting so actions can be taken.

Items Discussed During the October 4, 2023 Regular Watermaster Committee Meeting

- ✓ *Letter of Support for the Brookside West Recharge Facility WaterSMART Planning and Design Grant [Memorandum No. 23-24].* Member Jaggars advised of a request from SGPWA for a letter of support for their Brookside West project. Motion was approved unanimously on a 4-0 vote as the City of Beaumont was absent.
- ✓ *Discussion on Process for Documenting the Transfer of the Overlying Water Rights of Oak Valley Partners to Yucaipa Valley Water District [No staff report].* Member Zoba indicated that YVWD prepared a series of letters covering calendar years 2018 through 2022, which include data for each lot for the water actually served within the

area identified on Resolution 2017-2. Member Jagers indicated that he had reviewed the data and seems appropriate.

- ✓ *Transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018, 2019, 2020, 2021, and 2022 [Memorandum No. 23-25].* Member Jagers advised that the accounting seems appropriate and reasonable, and the process can be refined moving forward. Legal Counsel Montoya indicated that he was comfortable with the process. Mr. Stuart suggested that if this process is to be used, the Rules and Regulations can now be amended to reflect proper documentation. The motion to receive and file the transfer of Overlying Water Rights from Oak Valley Partners to YVWD for Calendar Years 2018-2022 and to update the appropriate records in the 2023 Annual Report was approved unanimously.
- ✓ *Discussion on Calculating Appropriator's Production Right and Storage Accounting [Memorandum No. 23-26].* Mr. Blandon presented a revised Table 3-8 reflecting a second and third bucket and discussed options. There was much discussion on the various sources of water and storage account used and whether the Temporary Surplus water may have a time frame attached. Chair Vela said he would like to avoid an artificial burden on the Watermaster if an agency wanted to pay the Watermaster rather than tap into the storage account. Member Jagger suggested next discussion on SGPWA as a vehicle for the Watermaster, and to have a system of acquiring money and how that system is managed responsibly. Mr. Zoba suggested adding to a future agenda what to do when a producer goes negative.
- ✓ *Update on Safe Yield Reset of the Beaumont Basin [Memorandum No. 23-27].* Mr. Harder discussed in detail the groundwater flow model being updated and indicated that the Safe Yield will be determined based on the forecast of pumping and recharge conditions for the next 10 years. Water demands will be based on estimates from the Urban Water Management Plan. He recommended achieving the best estimate of how to manage the Basin moving forward and adjusting as necessary in the future. There was much discussion on uncertainty analysis, injection of recycled water and its impact on water quality.

In response to Chair Vela's question about the physical split of the Basin into two sections, Mr. Harder discussed the physical bifurcation of the Basin and indicated that a zone analysis will be done. He suggested the purpose of the data could be to determine what kind of projects are needed on the west side of the Basin to balance.

Mr. Harder indicated that preliminary results will be presented at the next workshop with the final safe yield estimate presented at the regular December meeting.

- ✓ *Discussion Regarding Structure of the Watermaster Committee and Inclusion of Elected Representatives as Primary Members, and Process for Nomination of Members by Participating Agencies [Memorandum No. 23-28].* Mr. Stuart highlighted the discussion of Committee membership in the judgment. After much discussion, the consensus of the Committee was to leave the structure as is.

- ✓ *Consideration to Incorporate Notification and Documentation Requirements for New Wells in the Watermaster Rules and Regulations [Memorandum No. 23-29].* The recommendation that the Watermaster Committee consider engaging Dudek to revise the Rules and Regulations to address this issue was approved unanimously on a 4-0 vote.
- ✓ *Update on Development of Data Management System [No staff report].* Mr. Palavido stated that the database and interface are in progress, presented preliminary maps, and indicated the system is about 50 percent complete. He provided an overview and demonstrated system capabilities and data.
- ✓ *Consideration of Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster for Calendar Year 2024 [Memorandum No. 23-30].* Member Zoba stated that working with Dudek is working well and recommended extension of the contract through a separate task order for 2024. Motion was approved on a 4-0 vote.
- ✓ *Consideration of Thomas Harder & Co. Task Order No. 3 for Preparation and Attendance at Special Committee Meetings [Memorandum No. 23-31].* There was overall agreement on the job that Mr. Harder has done with Member Jaggars commenting that the work is needed to support the workshops. This motion was approved on a 4-0 vote.
- ✓ *Discussion of Agenda Items and Special Meeting Date(s) for Proposed Workshops [2023 and 2024 Calendars].* Mr. Stuart reviewed topics and open format for the workshops. The Committee set an schedule for November 2023, January 2024 and March 2024. The schedule was approved unanimously on a 4-0 vote.
- ✓ *Notice of Planned Well Drilling in the Beaumont Basin from Beaumont-Cherry Valley Water District [Correspondence].* Member Jaggars presented the letter as formal notification to memorialize BCVWD's plans, as outlined in the Rules and Regulations.

Items Discussed During the November 1, 2023 Special Watermaster Committee Meeting

- ✓ *Update on the Safe Yield Determination.* Mr. Harder reported that work is proceeding on the safe yield. He discussed the model and its calibration and explained the program and the running of multiple models, and statistical range. Currently, the model is running 200 different scenarios, and staff will recommend the 50th percentile.
- ✓ *Mission and Vision Statement.* Mr. Stuart read the mission statement, reviewed the stipulated Judgment, and broached the potential for a water management plan including a goal or goals.
- ✓ *Watermaster Goal for the Basin.* Chair Vela noted value in the discussion and in goal setting while bearing in mind the judgement as the underlining document. Some suggestions provided by Committee Members include to maintain current water levels

in the Basin, or analyze and determine an acceptable threshold, or restore Basin to the 2004 levels or another baseline.

Mr. Harder suggested a baseline as a means to evaluate different scenarios, then discussion of the appropriate use of water.

- ✓ ***Compare Conditions in the Beaumont Basin to SGMA Sustainability Criteria.*** Mr. Harder posited that the SGMA approach is a process with helpful things to achieve a sustainable Basin. He reiterated the recharge imbalance between the eastern and western portions of the Basin and posed questions, does the potential extraction of the storage account balances present a potential for undesirable results, and what are the implications for not accounting for storage losses? If the balances are drawn to zero, will an untenable position be created, and what is the untenable position?
- ✓ ***Identify Next Steps.*** Much discussion ensued with a number of issues discussed including:
 - Wells are finite and there is lack of State Project Water
 - The SGPWA may not always be there to rely on
 - How will SPW be divided in the future
 - Work will be better as a group, by utilizing all resources to maximize success
 - How to manage and prevent adverse effects
 - What is the future and what is sustainable? Create a new forecast
 - Impacts of AB 606 and SB 1668 (including Urban Water Management Plans)
 - Look at realistic operational ranges of the 30-mile Basin
 - Identify issues that prevent achieving beneficial use of groundwater for all users
 - Achieve long-term groundwater sustainability
 - System for early acknowledgement of any collapsing of the Basin without waiting for the redetermination
 - Prioritization of SGPWA supply when SPW is not available and/or storage accounts are at zero

Items Discussed During the December 6, 2022 Regular Watermaster Committee Meeting

- ✓ ***Proposal by Thomas Harder and Company / Alda to Provide Engineering and Reporting Services in 2024 [Memorandum 23-32].*** The proposal to provide Engineering and Reporting Services was approved unanimously on a 4-0 vote as the City of Beaumont was not present. The proposal was for a sum not to exceed \$95,960.00.
- ✓ ***Proposal by Thomas Harder and Company / Alda to Groundwater Level Monitoring Services in 2024 [Memorandum 23-33].*** The proposal to provide Groundwater Level

Monitoring Services was approved unanimously on a 4-0 vote. The proposal was for a sum not to exceed \$28,120.00.

- ✓ *Update on the Safe Yield Reset of the Beaumont Basin [Memorandum 23-34].* Mr. Harder advised this is still in progress and hopes to present it at the January meeting.
- ✓ *Review of Appropriator Production Right Calculation [Memorandum 23-35].* Mr. Stuart explained that this is the measure of determining whether or not a particular Appropriator would have to apply replenishment water or funds for replenishment. He reviewed several sections and concepts in the Judgment and requested direction from the Committee. Discussion touched on:
 - Possible limit in time on surplus water
 - Physical Solution would include looking at overall production of all Appropriators in the Basin vs. the surplus
 - New Yield
 - Order of operation of water usage / Appropriator's Production Right
 - Imported water and storage account management
 - Develop a process of accounting
- ✓ *Update on Development of Data Management System [No Staff Report].* Mr. Palavido shared the major updates since the last meeting including groundwater elevation readings and production information for the wells.

2.2.4 Redetermination of Safe Yield

Under the Judgment (2003) the Safe Yield of the Beaumont Basin was established at 8,650 ac-ft/yr. to be distributed among the Overlying Producers. The Judgment indicates that the Safe Yield shall be redetermined at least every 10 years beginning 10 years after the date of entry of the Judgment (February 4, 2004).

At the February 2013 Watermaster meeting, the Watermaster Committee authorized a study to develop a hydrologic model of the groundwater basin to be used as a tool in the re-evaluation of the Safe Yield of the basin. At the February 2015 Watermaster Committee meeting a formal presentation of the final-draft document was made to provide members of the Committee with an opportunity to ask questions and addressed any unresolved issues. The final document was presented for approval and adoption at the April 2015 Watermaster Committee meeting.

Resolution No. 2015-01 was adopted at the April 1st, 2015 Regular Watermaster Committee meeting. Through this resolution, the Final 2013 Reevaluation of the Beaumont Basin Safe Yield Report and Redetermination of the Safe Yield of the Beaumont Basin were adopted.

The Beaumont Basin Watermaster Committee re-determined the Safe Yield of the Beaumont Basin to be 6,700 ac-ft per year.

More recently, at the October 5, 2022, the Watermaster Committee awarded a contract to Thomas Harder and Company to provide technical support services to the Watermaster over a three-year period beginning in 2023. One of the initial tasks to be conducted was the re-evaluation of the Safe Yield of the basin. The completion of this study, initially estimated for 2023, has been delayed and its completion is anticipated in early 2024. The results of the study will be documented in the 2024 Consolidated Annual Report and Engineering Report of the Beaumont Basin Watermaster in early 2025.

2.3 Storage Applications and Agreements

The first applications to use the Basin for storage purposes were approved in FY 2005-06 when Watermaster approved applications by the City of Banning, BCVWD, SMWC, and YVWD to store up to 135,000 ac-ft of water in the Basin. The City of Beaumont's application to store water was approved by Watermaster in FY 2007-08 bringing the total storage allocation to 157,000 ac-ft. In FY 2009-10, Watermaster approved additional applications by the City of Banning, BCVWD, the City of Beaumont, and YVWD to increase the total storage allowed to 260,000 ac-ft. It is our understanding that the Watermaster Committee has not yet amended the respective Storage Agreements to reflect the current storage limits.

An application for a storage agreement was received by the Watermaster from the San Geronio Pass Water Agency (SGPWA) in mid-2010 and brought for discussion at the summer of 2012. The initial application was rejected because it was incomplete.

An application for a storage agreement was also received from the Morongo Band of Mission Indians at the December 2012 meeting. The Watermaster Committee deemed the application incomplete and requested further information from the applicant to address questions posed by members of the Committee. This application was subsequently approved at the June 5, 2013 meeting allowing the Morongo Band of Mission Indians to store up to 20,000 ac-ft of imported water in the basin.

A new application for Groundwater Storage Agreement was developed in early 2013; the application was presented and discussed at several Watermaster Committee meetings where input was received, and questions were addressed. The new application was approved by the Watermaster Committee in August 2013 and will be used for future applicants.

After development of new forms and procedures, a new application by SGPWA was received in early 2016 to develop a Groundwater Storage Agreement. This application was discussed over several Watermaster Committee meetings and was approved at the June 7, 2017 regular meeting under Resolution 17-01. The approval of this application allows SGPWA to store up to 10,000 ac-ft of imported water in the Beaumont Groundwater Basin.

As of December 31, 2023, the total storage allowed stands at 290,000 ac-ft; storage limits by participant are presented below. Amounts of water in storage by participant are discussed under Section 3.

| | |
|-----------------------------------|--------------|
| ✓ City of Banning | 80,000 ac-ft |
| ✓ City of Beaumont | 30,000 ac-ft |
| ✓ Beaumont Cherry Valley WD | 80,000 ac-ft |
| ✓ South Mesa Water Company | 20,000 ac-ft |
| ✓ Yucaipa Valley Water District | 50,000 ac-ft |
| ✓ Morongo Band of Mission Indians | 20,000 ac-ft |
| ✓ San Geronio Pass Water Agency | 10,000 ac-ft |

2.4 Rules and Regulations

The original Rules and Regulations of the Watermaster were adopted on June 8, 2004. The Judgment provides for their periodic update as deemed necessary by the Watermaster. On September 9, 2008, the Watermaster adopted Rule and Regulation 7.8, entitled “Availability of Unused Overlying Production and Allocation to the Appropriator Parties”. The objective of this rule is to define the process through which unused production by Overlying Parties is allocated to the Appropriator Parties. The unused water will be allocated based on each Appropriator’s percent share of the operating Safe Yield, as described in Exhibit C of the Judgment. This allocation will have no impact on the legal water rights owned by the Overlying Parties in subsequent years. The initial allocation to take place on or after February 4, 2009.

Under Resolution 2012-01, the Rules and Regulations were amended. Under this resolution, Rule 2.2 under Section 1 was amended to indicate that the Watermaster shall conduct regular meetings on the first Wednesday of every even numbered month. Special meetings and workshops may be called as necessary to conduct the business of the Watermaster.

Under Resolution 2019-02, adopted on June 25, 2019, the Beaumont Basin Watermaster rescinded Section 7 of the Beaumont Basin Watermaster Rules and Regulations in its entirety and replaced it as provided in Attachment A of the resolution. Under this resolution, the Beaumont Basin Watermaster also updated Form 5 entitled, “Notice to Adjust Rights of an Overlying Party due to Proposed Provision of Water Service by an Appropriator” and Form 7 entitled, “Notice to Transfers of Appropriator Production Right of Operating Yield Between Appropriators” as provided in Attachment “A” to the resolution.

The latest change to the Rules and Regulations came under Resolution 2022-09, adopted on December 7, 2022, by which the Beaumont Basin Watermaster amended Section 3. Under this resolution, the Watermaster desires to establish groundwater level measuring and reporting procedures that provide a foundation for the collection and reporting of groundwater level data that is accurate and consistent between all owners of wells included in the Beaumont Basin monitoring well network. In addition, a methodology for communicating with

private well owners and documenting requests to access their wells is provided under the resolution. A new Section 3.3 entitled “Groundwater Level Measuring and Reporting Procedures” along with a new Form 9 entitled “Water Level Field Form” have been included under the revised Rules and Regulations. The latest amended Rules and Regulations are included under Appendix C of the 2022 Consolidated Annual and Engineering Report.

2.5 Active Party List

Part VII, Paragraph 1 of the Judgment, indicates that Watermaster shall maintain an updated list of parties to whom notices are to be sent for service. Said list should include names, addresses for the Parties or their successors. The active party list has been updated with input by Legal Counsel, a copy of the updated list has been included under Appendix C.

2.6 Financial Management

The Watermaster must develop and administer a budget for all administrative, operational, and capital costs it incurs. The following discussion summarizes the budget established for the Fiscal Year 2023 operations.

2.6.1 Budget

Final expenses for Fiscal Year 2021-22 were \$111,229.00, significantly lower than final expenses for Fiscal Year 2022-23 at \$293,303.21. The budget for Fiscal Year 2023-24 was approved at the June 7, 2023 Watermaster Committee regular meeting under Memorandum 23-12. The approved budget provided funding for operating expenses in the amount of \$36,950.00. The approved budget is substantially lower than previous years since Watermaster had an operating fund balance of \$377,154.94 as of April 30, 2023. The approved budget did not include any funds for Special Projects; the Watermaster Treasurer will send invoices to Watermaster Committee members when task orders are approved throughout the year.

The following table presents a comparison between the final expenses for FY 2021-22 and FY 2021-23, as well as the approved budget for FY 2023-24.

| <i>Operating Expense</i> | <i>FY 2021-22 Final Expenses</i> | <i>FY 2022-23 Final Expenses</i> | <i>FY 2023-24 Approved Budget</i> |
|---|--|--|---|
| <u>Administrative Expenses</u> | | | |
| Bank Fees and Interest | \$ 14.00 | \$ -71.49 | \$ 50.00 |
| Miscellaneous and Meetings | \$ 0.00 | \$ 0.00 | \$ 250.00 |
| Acquisition/computation & Annual Report | \$ 50,615.00 | \$ 86,682.50 | \$ 0.00 |
| Annual Audit | \$ 0.00 | \$ 1,550.00 | \$ 1,650.00 |
| Engineering Services | \$ 17,515.00 | \$ 150,700.00 | \$ 0.00 |
| Monitoring and Data Acquisition | \$ 4,899.00 | \$ 36,375.20 | \$ 0.00 |
| Meter Installation and Repair | \$ 0.00 | \$ 0.00 | \$ 0.00 |
| Legal Expenses | \$ 38,186.00 | \$ 18,067.00 | \$ 25,000.00 |
| Reserve Funding | \$ 0.00 | \$ 0.00 | \$ 10,000.00 |
| | \$ 111,229.00 | \$ 293,303.21 | \$ 36,950.00 |
| <u>Special Project Expenses</u> | | | |
| Engineering | \$ 0.00 | \$ 0.00 | \$ 0.00 |
| Litigation | \$ 0.00 | \$ 0.00 | \$ 0.00 |
| | \$ 0.00 | \$ 0.00 | \$ 0.00 |
| Total Operating Expense | \$ 111,229.00 | \$ 111,229.00 | \$ 36,950.00 |

2.6.2 Financial Audit

The Beaumont Basin Watermaster has a financial audit performed annually on a fiscal year basis. The audit assists in properly accounting for the revenues and expenses of the Watermaster and tracking the financial resources of the agency. The detailed audit report for FY 2023, dated June 30, 2023, prepared by Rogers, Anderson, Malody, and Scott, LLP, is included under Appendix D.

Section 3

Status of the Basin and Administration of the Judgment

The Beaumont Basin Watermaster Committee is responsible for the accounting of water activities in the Beaumont Basin including groundwater production, recharge of supplemental water, groundwater transfers and other storage activities. From the Judgment inception, accounting was conducted on a fiscal year basis until 2011.

Through the adoption of Resolution No. 2011-01, on September 21, 2011, Watermaster changed the accounting from a fiscal year basis to a calendar year basis starting in CY 2011. The conversion of Fiscal Year basis to Calendar Year basis was documented in the Annual Report for CY 2011 adopted by the Committee in early 2013. This Consolidated Annual and Engineering Report for CY 2023 builds on the information presented in previous annual reports.

3.1 Climate, Hydrology and Hydrogeology

3.1.1 Climate

The Beaumont Basin is located in a semi-arid region characterized by warm summers and mild winters with average summer high temperatures in the mid to upper 90s (Fahrenheit) and average winter low temperatures in the mid to low 40s. Precipitation in the region occurs as snowfall in the upper elevations of the San Bernardino Mountains to the north and rainfall in the Basin. Annual precipitation in the Beaumont Basin, as recorded at the County of Riverside's Beaumont Station 013, averaged 16.77 inches over the 100-year period between 1924 and 2023. On average during this 100-year period, 11.72 inches of precipitation, or 69.9 percent of total, fell during the winter months between December and March. Over the last 25 years (1999-2023), precipitation has averaged 13.30 inches of rain which is approximately 79 percent of the 100-year average precipitation. Precipitation during CY 2023 at Station 13 was 22.33 inches, over three times the precipitation recorded in CY 2022 at 6.79 inches and the third highest recorded precipitation in the last 25 years. Annual precipitation in CY 2023 represents 133 percent of the 100-year average and 168 percent of the 25-year average.

Figure 3-1 illustrates annual precipitation at Station 13 for the 25-year reporting period between 1999 and 2023 including a plot of the cumulative departure from the mean (CDFM) precipitation. This parameter is used to assess the occurrence, duration, and extent of wet and dry precipitation cycles. Upper trending periods in the graph represent periods with above average precipitation such as the 2003-05 period; average precipitation during this period was 19.94 inches or close to 19 percent above the long-term average. Conversely, down trending periods indicate below average precipitation as in the 2011-18 period when average precipitation was only 11.23 inches or approximately 67 percent of the 100-year average.

Notwithstanding the significantly above average precipitation recorded in 2010 (24.85 inches) and in 2019 (23.34 inches), the Basin has been in a dry period that began in 1999. During this period, precipitation in seven of these years has been below 10 inches per year. In addition,

the lowest and second lowest precipitation years ever recorded occurred during this 25-year period.

It should be noted that the average precipitation during the base period (1997-2001) used to determine the Safe Yield of the Basin was 13.43 inches, approximately 20 percent lower than the 100-year long-term average for the Basin.

3.1.2 Surface Water Hydrology

There are three significant drainage systems that overlie the Beaumont Basin: the San Timoteo Creek drainage system which is tributary to the Santa Ana River; the Potrero Creek drainage system in the San Jacinto watershed; and the Smith Creek drainage system tributary to the Whitewater River which is part of the Salton Sea drainage basin.

Surface water flows originate in the San Bernardino Mountains to the north of the Basin. The streams and creeks that flow into the Beaumont Basin are dry for most of the year with occasional runoff during rainfall events. There are no stream gages in the Basin that can be used to estimate surface water recharge to the Basin or discharge from the Basin.

3.1.3 Hydrogeology

3.1.3.1 Regional Geologic Context

The Beaumont Basin is located in the San Gorgonio Pass, a low-relief highland that is bordered on the north by the San Bernardino Mountains, on the southeast by the San Jacinto Mountains, and on the west by the San Timoteo Badlands. Surface sediments in the Beaumont Basin and nearby lowlands consist of unconsolidated to semi consolidated Quaternary alluvium. Surrounding the alluvial sediments are semi consolidated rocks of the San Timoteo Formation and igneous and metamorphic rocks that make up the San Jacinto and San Bernardino Mountains (see Figure 3-2). The San Timoteo Formation is composed primarily of sandstone, conglomerate, siltstone, and mudstone (Rewis, et al., 2007). The igneous and metamorphic rocks form the crystalline basement rocks in the area (Bloyd, 1971). The unconsolidated Quaternary alluvium and the upper portion of the underlying San Timoteo Formation constitute the water-bearing aquifer of the Beaumont Basin (Rewis, et al., 2007).

3.1.3.2 Faults

The boundaries of the Beaumont Basin are based on faults that often form barriers to groundwater flow (Bloyd, 1971). Major faults in the area include the Banning and Cherry Valley faults, which form the northern boundary of the basin (see Figure 3-2). Groundwater levels within the Beaumont Basin are generally lower than groundwater levels in the surrounding areas. Along the Banning Fault, groundwater levels on the north side of the fault and outside the basin are as much as 400 ft higher than groundwater levels on the south side of the fault and inside the basin. The same condition has been observed along the southern Beaumont Basin boundary. The southern boundary of the basin was postulated by Bloyd (1971) based on groundwater level differences in the area. No fault has ever formally been mapped at this southern boundary. The San Timoteo Fault was identified by USGS (2006) but does not correlate to the adjudicated boundary.

3.1.3.3 Groundwater Occurrence and Flow

Groundwater in the Beaumont Basin occurs at depth in the Quaternary alluvium and the underlying San Timoteo Formation. Groundwater flow within the Beaumont Basin generally depends on location with respect to a groundwater flow divide which occurs in the center of the basin, approximately coincident with the Noble Creek drainage (see Figure 3-2). West of the Noble Creek drainage, groundwater generally flows to the northwest and ultimately as underflow beneath San Timoteo Wash. East of the Noble Creek drainage, groundwater flows to the southeast towards the City of Banning.

The groundwater system in the Beaumont Basin is replenished from multiple sources. These include:

- ✓ Infiltration of precipitation within the unlined portions of natural streams
- ✓ Subsurface seepage across fault boundaries
- ✓ Return flow from irrigation and individual septic systems
- ✓ Artificial recharge in man-made basins (e.g. Noble Creek Recharge Facility).

Groundwater discharges from the Beaumont Basin primarily occur from:

- ✓ Groundwater production
- ✓ Underflow out of the basin at the downgradient margins
- ✓ Rising water in San Timoteo Creek
- ✓ Evapotranspiration

3.2 Production

The Beaumont Basin Watermaster Committee is responsible for the tracking and accounting of groundwater production by all producers named in the Judgment regardless of the amount of groundwater produced. Other producers, not listed in the Judgment, and pumping less than 10 ac-ft /yr., also known as minimal producers, are exempt from the provisions of the Judgment. Figure 3-3 illustrates the location of all production wells that belong to the Appropriators and Overlying parties of the Judgment.

3.2.1 Appropriative Party Production

There are five Appropriative Producers: namely, City of Banning, City of Beaumont, BCVWD, SMWC, and YVWD. The City of Beaumont, while identified as an Appropriator in Exhibit C of the Judgment, has never produced from the Basin and it has a zero allocation as a percent share of Safe Yield allocated to Appropriators. The amount that each Appropriator produces in any given year, without incurring a replenishment obligation, varies from year to year and results from a combination of:

- ✓ Their share of the Operating Yield, based on the Temporary Surplus of 16,000 ac-ft/yr for all Appropriators; applicable only between Fiscal Years 2004 and 2013

- ✓ Transfers from other Appropriators,
- ✓ Transfers of unused production from Overlying Producers,
- ✓ Conversion of Overlying rights to Appropriative rights,
- ✓ Water withdrawn from their storage account, and
- ✓ New yield created by the Appropriator.

Monthly production for the last five years of operation (CY 2019-23) are presented in a series of tables starting with Table 3-1A for CY 2019 and continuing on an annual basis through Table 3-1E for CY 2023. It should be noted that all production by Appropriators is currently being metered; however, no information is available as to the accuracy of existing meters.

During CY 2023, Appropriators pumped a combined amount of 12,709.10 ac-ft of groundwater from the Beaumont Basin (See Table 3-1E). Production for this year was significantly lower than during CY 2022 when 17,345 ac-ft were pumped or approximately 27 percent lower. CY 2023 production was only 81 percent of the five-year average (2019-23) and the lowest production since CY 2016.

With the exception of YVWD, production by all agencies was lower in CY 2023 than in CY 2022. Production by the City of Banning and BCVWD were 63 percent and 18 percent lower respectively than the previous year while SMWC produced 52 percent less. Conversely, YVWD produced 30 percent more than in CY 2022.

In mid-2021, YVWD notified Watermaster that they will be using an old irrigation well, known as the Calimesa Irrigation Well, to provide construction water to an industrial development north of Cherry Valley Blvd. Production from this well, now known as the I-10 Logistics well, continued over the first quarter of 2022 and it is listed in Table 3-1D. No production from this well was reported during CY 2023; its location is depicted in Figure 3-3.

3.2.2 Overlying Party Production

Overlying Parties are defined in the Judgment as persons, or their assignees, that are part of the Judgment and who are owners of land which overlies the Beaumont Basin and have exercised Overlying Water Rights to pump therefrom. Overlying Parties include successors in interest and assignees. Overlying Producers were assigned a share of the Basin's Safe Yield, estimated in 2003 at 8,650 ac-ft/yr. Individual Overlying Producers may not pump more than five times their assigned share of the Basin's Safe Yield in any five-year consecutive period without incurring a replenishment obligation.

Currently, there are 17 Overlying Producers in the Basin pumping from 21 groundwater wells. All active wells operated by the larger producers are metered. Meters were installed by individual owners or as part of an effort initiated by Watermaster in 2013 to obtain a closer production accounting from Overlying Parties. Production from metered wells represented over 99 percent of the total production by Overlying Parties in CY 2023.

The remaining wells, operated by smaller producers, did not have meters for some or most of 2023 and their production is estimated using the water duty method. This method was initially proposed by Wildermuth Environmental Inc. (WEI), during the preparation of the 2005-06 Annual Report. After being accepted by the Committee, an updated water duty method was developed by WEI and it has been used since. The estimate of unmetered production for the CY 2023 Annual Report uses the updated method as detailed in Appendix E.

Similar to the production reported for the Appropriators, a series of tables were developed to report monthly and annual production from the Overlying Parties on a calendar year basis. Starting with Table 3-2A, monthly production by overlying well is documented for CY 2019. In a similar manner, Tables 3-2B through 3-2E summarize monthly overlying production for CY 2020 through CY 2023, respectively. In addition, these tables show their share of the Safe Yield and the amount of unused water for each Overlying Party.

During CY 2023, Overlying Producers produced an estimated 1,517.50 ac-ft, 617.10 ac-ft lower than the reported production for CY 2022 of 2,134.60 ac-ft. Compared to the 2019-23 five-year average of 1,860.70 ac-ft, production in CY 2023 was only 82 percent of the average. Production in CY 2023 by Overlying Parties was the lowest level of production since the Judgment inception.

3.2.3 2003-2023 Annual Production Summary

Annual production for all Appropriators and overlying parties for the last 10 calendar years is summarized in Table 3-3. In previous annual reports this table has been split into an A and B parts to report annual production since CY 2003. Starting with CY 2023, the annual report will only document the last 10 years of production from the basin. Production prior to 2014 has been extensively documented in earlier annual reports.

Since July 2003, a total of 334,435 ac-ft has been pumped from the Beaumont Basin; an estimated 84.9 percent of this total has been pumped by Appropriators. The percentage of groundwater production from Appropriators has steadily increased since the Judgment inception from a low of 74.3 percent registered in CY 2003 to a temporary high of 87.2 percent recorded in CY 2014. Production by Appropriators reached an all-time high of 90.1 percent in CY 2021. Over the last five years, production by Appropriators has averaged 89.4 percent of total extractions.

Groundwater production peaked in CY 2007 when 19,811 ac-ft were pumped from the basin; since, it declined steadily through CY 2010 to approximately 13,620 ac-ft. Production during the CY 2011-14 period increased by 26.2 percent to 17,281 ac-ft.; however, it declined to less than 14,000 ac-ft in the ensuing two years. Total production from the basin increased significantly in the CY 2018-22 five years to an all-time high of 19,938 ac-ft in CY 2021, slightly higher than the 2007 peak; however, it decreased by over 5,000 ac-ft in CY 2023 to an annual total of 14,227 ac-ft which represents the lowest level of production since CY 2016. Figure 3-4 depicts annual total production by Appropriators and Overlying parties on a calendar year basis. Also, depicted on this figure is the amount of annual Overlying underproduction to be allocated to Appropriators (See Section 3.4.4).

3.3 Groundwater Recharge

The Watermaster is responsible for maintaining an annual account of all water artificially recharged in the Beaumont Basin and any losses of water supplies or Safe Yield resulting from such recharged water. Sources of groundwater recharge include imported water from the State Water Project (SWP), recycled water, and new yield sources developed in the basin since the Judgment inception in July 2003. The Watermaster has maintained the accounting of groundwater recharge; however, losses from the basin, estimated in the recently completed (Sep 2018) Beaumont Basin Storage Analysis, have not been incorporated into the accounting of storage in the basin. The Watermaster may adopt a policy to address storage losses in the future. Table 3-4 presents a summary of the annual groundwater recharge in the Beaumont Basin since 2004 on a calendar year basis. There was no imported water recharge in 2003.

3.3.1 State Water Project Water Recharge

Deliveries of imported water are conducted through the San Gorgonio Pass Water Agency, the State Water Contractor for this area. BCVWD's Noble Creek Recharge Facility (NCRF), located in the vicinity of Beaumont Avenue and Cherry Valley Blvd., has been until recently the primary facility in the Beaumont Basin where imported water can be delivered for groundwater recharge. The location of this recharge facility is depicted in Figure 3-3. In 2019, SGPWA completed the construction of a new spreading facility southwest of the intersection of Beaumont Avenue and Brookside Avenue; spreading of imported water at this location took place for the first time in December of that year when 257.80 ac-ft were spread.

BCVWD began taking deliveries of imported water for groundwater recharge in the Fall of 2006 when 3,501 ac-ft were spread pursuant to the storage and recharge agreement on file with Watermaster. Deliveries of imported water for BCVWD increased over the next five years peaking in CY 2011 at 7,979 ac-ft and declining through 2015 to a low of 2,773 ac-ft. From CY 2017 through CY 2020, BCVWD spread over 10,000 ac-ft per year; however, spreading in CY 2021 decreased to a low of 2,468 ac-ft and in CY 2022 to an all-time low of 1,776.0 ac-ft. The significant reduction in imported water for groundwater recharge in those two years has been primarily related to the lack of available water from the SWP. However, in CY 2023, thanks to a significantly above average precipitation in the northern portion of the State, BCVWD was able to spread 18,000 ac-ft of SWP project water. In total, 131,136 ac-ft of imported water have been spread on behalf of BCVWD since CY 2006, as listed in Table 3-4.

The City of Banning began purchasing imported water for recharge at BCVWD's NCRF in July 2008 and has since recharged 14,977.2 ac-ft. in accordance with their storage agreement on file with Watermaster. During CY 2012 and 2013, Banning spread an average of 100 ac-ft per month; spreading in CY 2014 and 2015 was reduced to approximately half of that amount. However, spreading in CY 2016 and 2017 increased significantly to 1,477 ac-ft and 1,350 ac-ft, respectively. In CY 2019 and again in CY 2020, the City of Banning spread only 250 ac-ft of imported water per year while no spreading took place in CY 2021. In CY 2023, the City of Banning spread 1,000 ac-ft of imported water.

In addition to imported water deliveries to BCVWD and the City of Banning at BCVWD's NCRF, SGPWA has also delivered significant quantities of imported water at the Little San

Gorgonio Creek Spreading Ponds. These spreading ponds are located outside the adjudicated boundary of the Beaumont Basin, as shown in Figure 3-3. Spreading of imported water at these spreading ponds is likely to be a source of subsurface recharge to the Beaumont Basin; however, Watermaster has not adopted this finding. Subsurface recharge across the Banning Fault was investigated as part of the Safe Yield of the Basin determination study, completed in early 2015.

Deliveries of imported water by SGPWA to the Little San Gorgonio Creek Spreading Ponds began in August 2003. Between 2004 and 2013, SGPWA recharged a total of 10,464 ac-ft or an average of 1,046.4 ac-ft/yr. Deliveries in CY 2014 through CY 2018 were practically non-existent as less than 44 ac-ft were spread in those five years combined.

Under Resolution 17-01, adopted on June 7, 2017, SGPWA entered into a storage agreement with the Beaumont Basin Watermaster to spread up to 10,000 ac-ft of imported water in the Beaumont Basin subject to certain conditions. Starting in CY 2019, SGPWA began spreading imported water at their new facilities on Brookside Avenue and has spread a total of 1,401.4 ac-ft at this new location. No spreading by SGPWA has taken place at the Little San Gorgonio Creek Spreading Ponds since CY 2016.

3.3.2 Treated Wastewater Recharge

The City of Beaumont owns and operates the Beaumont Wastewater Treatment Plant. The plant was originally designed and permitted to discharge up to 4.0 mgd of tertiary treated wastewater; current capacity is 6.0 mgd. Discharges from this plant are not permitted for recycled water use at this time and are currently regulated under Order No. R8- 2015-0026, NPDES Number CA105376.

Prior to March 2010, Beaumont's treated wastewater from Wastewater Treatment Plant No. 1 was discharged at Discharge Point No. 1 (DP-001) in Cooper's Creek where it infiltrated into the San Timoteo Management Zone and outside the Beaumont Basin. Starting in March 2010, Beaumont began deliveries of treated wastewater to Discharge Point No. 7 (DP-007), located along an unnamed tributary of Marshall Creek, as shown in Figure 3-3. It is believed that a portion of the treated wastewater discharged at this location reaches and recharges the Beaumont Basin. In the Fall of 2015, the City of Beaumont ceased deliveries to DP-007 in Marshall Creek and continued to use the discharge facilities at Discharge Point No. 1 only.

Treated wastewater discharges from this plant peaked during CY 2020 at 4,305 ac-ft (3.83 mgd). Discharges have declined over the last three years to an annual average of 3,958 ac-ft; in CY 2023 a total of 3,790 ac-ft of treated wastewater was discharged.

Monthly discharges at DP-001 varied slightly in CY 2023 from a low 3.22 mgd in February to a high of 3.53 mgd in August; the average for the year was 3.38 mgd. Monthly treated wastewater discharges by the City of Beaumont since 2007 are summarized in Table 3-5.

3.3.3 New Yield Stormwater Recharge

Before accounting for any new yield resulting from the recharge of local surface water, not initially considered as part of the Basin Safe Yield, Watermaster needs to develop a methodology to quantify and credit the New Yield to the party that creates the new recharge. According to Part VI Paragraph 5.V of the Judgment, Watermaster shall make an independent scientific assessment of the estimated new yield created by each proposed project. It is our understanding that the City of Beaumont has been recharging local waters at various locations in the Basin and would like to receive credit for the New Yield developed. For the City of Beaumont to receive credit however, Watermaster will need to develop the methodology to compute and credit the New Yield.

3.4 Water Transfers and Adjustments of Rights

Section 7 of the Watermaster Rules and Regulations, as replaced by Resolution 2019-02 in June 2019, provides for the adjustment of rights by and between Appropriators and Overlying Parties. This section indicates that Watermaster shall maintain an accounting for all transfers and include said transfers in the Annual Report or other relevant documents. There are three types of transfers that Watermaster accounts for:

- ✓ Transfer of water rights and/or water in storage between Appropriators
- ✓ Transfer of water rights from Overlying producers to an Appropriator in exchange for water service, and
- ✓ Allocation of unused Overlying Water to the Appropriator Parties based on their share of the Operating Safe Yield.

According to Part VI, Administration, Paragraph 5Y of the Judgment, the Safe Yield of the Beaumont Basin shall be re-determined at least every 10 years after the date of entry of the Judgment, February 4, 2004. In 2015 the Safe Yield of the Beaumont Basin was re-determined and estimated at 6,700 ac-ft/yr. This amount represents a 22.54 percent reduction from the previous estimate of 8,650 ac-ft/yr. Table 3-6 presents the initial and revised production rights from individual Overlying producers and compares them against actual groundwater production during the 2019-23 five-year period for each user. Annual average groundwater production during this period for all Overlying producers combined was estimated at 1,860.70 ac-ft/yr; representing approximately 27.8 percent of the revised Safe Yield. Individually, none of the Overlying producers produced more than their allowable production rights during this five-year period; Sharondale Mesa Owner Association averaged the highest percentage of their respective allocation at 71.7 percent followed by California Oak Valley Golf and Resort LLC at 64.3 percent. Tukwet Canyon Golf Course and Plantation on the Lake followed at 57.8 percent and 55.1 percent respectively. All other Overliers were below 30 percent of their allocation.

3.4.1 Transfers between Appropriators

According to Section 7.2 of the Rules and Regulations, as replaced under Resolution 2019-02, an Appropriator may transfer all or a portion of its production right or water in storage that exceeds its supply needs to another Appropriator.

In January 2008, SMWC and BCVWD entered into a transfer agreement that allowed BCVWD the option to purchase all water that SMWC determines to be available for transfer from their storage account. As part of the agreement, each year SMWC estimates the amount of water available for transfer and offers it to BCVWD for purchase prior to offering it to other Appropriators. Since the beginning of the agreement, SMWC has transferred 9,500 ac-ft of water to BCVWD with 3,500 ac-ft transferred in CY 2011 alone. SMWC also transferred 1,500 ac-ft of water to the City of Banning in CY 2007. The purchase agreements and transfers between these agencies are on file with Watermaster. CY 2011 was the last year that SMWC transferred water to other Appropriators.

No water transfers between Appropriators were reported during CY 2023.

3.4.2 Transfers from SGPWA

In CY 2021, SGPWA transferred a total of 507.8 ac-ft from its storage account to Appropriators. Of this amount, 60 ac-ft were transferred to the City of Banning and the remaining 447.8 ac-ft to the BCVWD. These transfers depleted SGPWA's storage account going into CY 2023; however, the agency added 893 ac-ft through imported water spreading.

No water transfers from SGPWA to Appropriators were reported during CY 2023.

3.4.3 Transfers of Overlying Rights for Service by an Appropriator

The Stipulated Judgment, under Part III, Declaration of Adjustment of Rights, Section 3(B), provides that to the extent any Overlying Party requests, and uses its Exhibit "B", Column 4 water to obtain water service from an Appropriative Party, an equivalent volume of potable groundwater shall be earmarked by the Appropriative Party which will serve the Overlying Party, up to the volume of the Overlying Water Rights as reflected in Column 4 of Exhibit "B" for the purpose of serving the Overlying Party.

The Stipulated Judgment, under Part III, Section 3(C), states that in the event that an Overlying Party receives water service from an Appropriative Party, the Overlying Party shall forebear the use of that volume of the Overlying Water Right earmarked by the Appropriative Party. The Appropriator Party providing such service shall have the right to produce the volume of water foregone by the Overlying Party, in addition to other rights otherwise allocated to the Appropriator Party.

Under Resolution 17-02, adopted on August 30, 2017, Oak Valley Partners L.P. ("OVP") agreed to transfer its Overlying water rights to particular development parcels, intending to secure commitments from YVWD to provide water services to development phases of OVP's Summerwind Ranch Specific Plan (Project), located in the Beaumont Basin. The Stipulated Judgment allocated OVP an Overlying production right of 1,806 ac-ft/yr based on the initial

Safe Yield of 8,650 ac-ft/yr. OVPs rights have been adjusted to 1,398.87 ac-ft/yr based on the recalculated Safe Yield of 6,700 ac-ft/yr as approved by the Watermaster on April 1, 2015. Overlying rights and Overlying-Appropriative rights will be adjusted every 10 years based on the recalculation of the Safe Yield of the Beaumont Basin.

During CY 2018 and CY 2019, OVP transferred, through four separate assignments, a total of 183.05 ac-ft of their Overlying water rights to YVWD. Documentation of these transfers was provided by YVWD to the Watermaster Committee, as correspondence, in the March 28, 2018, August 1, 2018, October 3, 2018, and February 6, 2019 meetings.

Under Resolution 2019-02, adopted on June 25, 2019, the Beaumont Basin Watermaster rescinded Section 7 of the Beaumont Basin Watermaster Rules and Regulations in its entirety and replaced it as provided in Attachment A of the resolution. Under this resolution, the Beaumont Basin Watermaster also updated Form 5 entitled, "Notice to Adjust Rights of an Overlying Party due to Proposed Provision of Water Service by an Appropriator" and Form 7 entitled, "Notice to Transfers of Appropriator Production Right of Operating Yield Between Appropriators".

At the Dec 4, 2019 Watermaster Meeting, YVWD submitted a Form 5, signed Nov 19, 2019, documenting the transfer of OVP's all original 1,806 / revised 1,398.90 ac-ft ("Earmarked Water") of Overlying Water Rights to YVWD effective on October 9, 2018 (See Appendix E of the 2020 Annual Report). This issue was extensively discussed at that meeting and throughout the various meetings in 2020 between legal counsel and members of the Watermaster Committee without reaching an agreement. In mid-2021, YVWD filed with the Court two related motions. The first motion was to rescind Watermaster Rule 7.3 (formerly Rule 7.8); the second motion was to order the Watermaster to recognize Oak Valley Partners, LP's transfer of overlying water rights. On August 31, 2021, the Court denied these motions without prejudice. A copy of the Notice of Entry of Order Regarding YVWD's Motions, along with associated exhibits A and B was included under Appendix A of the 2021 Annual Report.

On May 24, 2023, YVWD notified the Watermaster that completed Forms 5 for CY 2018 through CY 2022, documenting OVP's transfers will be included in the Correspondence section of the June 7, 2023 meeting packet to Receive and File. Through this submittal, YVWD wanted to transfer a cumulative 790.3 ac-ft of Overlying water rights from OVP for this five-year period. This item was brought up for discussion under TM 23-14 and as a result the Watermaster Committee voted to receive and file the Form 5 as provided by YVWD with further documented clarification of the rescission of the previous requests for water rights transfers, and further discussion, resolution, and adherence to the format of Resolution 2017-02.

On September 18, 2023, the YVWD submitted the information requested by the Watermaster Committee for consideration at the October 4, 2023 regular meeting. The information provided by YVWD was deemed to be complete and properly documented and as a result the Watermaster Committee approved to Receive and File the transfer of Overlying water rights from OVP to YVWD for calendar years 2018 through 2022. The water rights transferred during this period are as follows:

- ✓ 2018 – 0.11 ac-ft
- ✓ 2019 – 63.96 ac-ft
- ✓ 2020 – 194.82 ac-ft
- ✓ 2021 – 366.77 ac-ft
- ✓ 2022 – 478.25 ac-ft

Supporting documentation for this transfer is included under Appendix F as follows:

- ✓ Technical Memorandum 23-25 documenting the transfer
- ✓ General background information provided in the packet
- ✓ Original Form 5 submitted by YVWD and dated November 19, 2019
- ✓ Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2018, including:
 - A map of parcels served in 2018
 - Annual volumes of water delivered to each parcel served totaling 0.11 ac-ft
- ✓ Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2019, including:
 - A map of parcels served in 2019
 - Annual volumes of water delivered to each parcel served totaling 63.96 ac-ft
- ✓ Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2020, including:
 - A map of parcels served in 2020
 - Annual volumes of water delivered to each parcel served totaling 194.82 ac-ft
- ✓ Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2021, including:
 - A map of parcels served in 2021
 - Annual volumes of water delivered to each parcel served totaling 366.77 ac-ft
- ✓ Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2022, including:
 - A map of parcels served in 2022
 - Annual volumes of water delivered to each parcel served totaling 478.25 ac-ft

For CY 2023, the YVWD did not provide additional delivery information, as a result, the same quantity transferred in CY 2022 of 478.25 ac-ft is applied.

As a result of these transfers, OVP's Overlying rights have been reduced from 1,398.87 ac-ft to 920.62 ac-ft for CY 2022 and CY 2023. OVP's rights will vary from year to year depending on water service provided by YVWD and potential future adjustments to the Safe Yield of the basin. OVP's remaining rights will be considered as unpumped water and will be distributed to the Appropriators based on certain percentages as reflected in Column 3 of Exhibit "C" of the Judgment.

3.4.4 Allocation of Unused Overlying Water

Section 7.3 of the Rules and Regulations, as replaced under Resolution 2019-02, outlines the process for distributing the volume of adjudicated water not produced by the Overlying Parties to the Appropriators. Under this section, if an Overlying Party produces less than five times their share of the Safe Yield in any five-year period, the quantity of groundwater not produced by that Overlying Party shall be made available for allocation to the Appropriators. Transferring unused production from Overlying Users does not diminish their legal right to produce in subsequent years.

Since the inception of the Judgment, transfers of unused production by Overlying Users have been made on a fiscal year basis coinciding with the preparation of the annual report. Preparing the annual report on a calendar year basis required that the transfers of unused production also be made on the same basis. Based on the five-year format used in the Rules and Regulations, transfers to the Appropriator Parties for CY 2023 were based on unused production from Overlying Users in CY 2018. This required the recalculation of Overlying Users production, back to July 2003, on a calendar year basis. Under this format, unused production from the second half of 2003, with adjusted water rights for half of the year, was allocated to Appropriators for CY 2008. Table 3-7 summarizes the volume of unused Overlying water for CY 2003 through CY 2023. While groundwater production by Overlying Users has decreased by over 55 percent since 2004, the volume of unused overlying water has correspondingly increased from 5,053 ac-ft/yr in CY 2006 to a maximum of 6,679 ac-ft during CY 2011. The amount of unused production decreased starting in CY 2014 as a result of reduced Overlying allocations resulting from the new basin Safe Yield of 6,700 ac-ft/yr.

Table 3-7 presents the allocation of unused Overlying water to each Appropriator based on their share of the Safe Yield and the schedule set forth under Section 7.3 of the Rules and Regulations, as replaced under Resolution 2019-02. It should be noted that this schedule has been modified to reflect a calendar year basis for allocation. Under the modified schedule, unused Overlying production in CY 2018, estimated at 4,480 ac-ft, is allocated to Appropriators during CY 2023. Unused Overlying production during CY 2023, adjusted by reductions on OVP's rights, is estimated at 4,704 ac-ft. This amount would be allocated to Appropriators during CY 2028.

3.5 Appropriators Production Right

The Appropriator's Production Right, as defined in Subparagraph I.3.B. of the Judgment, "consists of an Appropriator's share of Operating Yield, plus (1) any water acquired by an Appropriator from an Overlying Producer or other Appropriator pursuant to this Judgment, (2) any water withdrawn from the Appropriator's storage account, (3) and New Yield created by the Appropriator."

The Operating Yield, as defined in subparagraph I.3.M of the Judgment, is "the maximum quantity of water which can be produced annually by the Appropriators from the Beaumont Basin, which quantity consists of Appropriative Water plus Temporary Surplus."

Water Acquired by Appropriators includes Transfer of Overlying Water Rights to Appropriators and transfers between Appropriators. At present, the YVWD is the only Appropriator that has received transfers of Overlying Water Rights. Transfers between Appropriators have taken place in the past between SMWC, as the Transferor, and the City of Banning and BCVWD, as the Transferees.

New Yield, as defined in subparagraph I.3.L, is "increases in yield in quantities greater than historical amounts from sources of supply including, but not limited to, capture of available storm flows, by means of projects constructed after February 20, 2003, as determined by the Watermaster. As of present, no project has been defined or approved by Watermaster that has resulted in New Yield. Although not defined in the Judgment, Rising Water has been categorized in this annual report as a potential source of New Yield in the future.

Water from storage is another component included in the calculation of Appropriators Production Right. It refers to the amount of water that an Appropriator deems necessary to be taken out of its storage account to meet annual supply requirements. Appropriators have been able to withdraw an equivalent amount of groundwater from their respective storage accounts to balance out their overproduction in any given year. However, the possibility exists in the future when an Appropriator may not have water in their respective storage account and/or may not be able to acquire sufficient imported water for groundwater recharge to make up their difference.

Table 3-8 presents the Appropriator's Production Right on an annual basis for each of the Appropriators for the 2003-23 period including the various categories of supply sources available to Appropriators to meet their annual water demands.

Figures 3-5 through 3-10 illustrate Supply Sources and Storage Accounts for the City of Banning, BCVWD, SMWC, YVWD and the Beaumont Basin as a whole respectively.

3.6 Storage Accounting

Section 6.7 of the Watermaster Rules and Regulations indicates that Watermaster shall calculate additions, extractions, and losses of all water stored and any losses of water supplies or Safe Yield resulting from such water stored. This section of the Rules and Regulations further indicates that Watermaster shall keep and maintain for public record an annual

accounting thereof. While additions (spreading) and extractions (pumping) are easily quantifiable, losses from storage are more difficult to estimate. The completion of the “Beaumont Basin Storage Loss Analysis” in September 2018 estimates storage losses under various spreading scenarios; however, Watermaster has not developed a methodology to adjust storage accounts and their corresponding losses.

3.6.1 Annual Storage Consolidation

Consistent with the new reporting format to document extractions, spreading and other groundwater activities on a calendar year basis, Table 3-9 represents the consolidation of each Appropriator’s storage account from CY 2003 through CY 2023. This table includes on an annual basis, Appropriators production rights, as defined in Section 3.5 and documented in Table 3-8, annual production, and any supplemental water that may have been acquired during the year. It also documents the amount of water that may be taken from storage to meet annual water demands.

At the end of 2022, an overall total of 96,148.20 ac-ft of water were stored in the Basin for future use; this total increased in CY 2023 by 12,641.70 ac-ft to a cumulative total of 108,789.90 ac-ft. As a result of the significant amount of imported water from the SWP that was recharged in 2023, the amount of water in storage ranks amongst the highest since the 2003 adjudication. The amount of water in storage by party at the beginning and end of CY 2023 is presented below. Figure 3-10 compares the amount of water in storage to the storage limit for each party with storage accounts while Figure 3-11 presents storage totals by agency for the most recent 10-year period.

| Agency / Party to the Judgment | Calendar Year 2023 (ac-ft) | | |
|---------------------------------|----------------------------|------------------|-----------------|
| | Beginning | Ending | Change |
| City of Banning | 46,569.9 | 47,650.9 | 1,081.0 |
| BCVWD | 23,193.1 | 32,884.1 | 9,691.0 |
| City of Beaumont | 0.0 | 0.0 | 0.0 |
| South Mesa Water Company | 10,224.2 | 10,506.0 | 281.8 |
| Yucaipa Valley Water District | 16,160.4 | 16,855.3 | 694.9 |
| Morongo Band of Mission Indians | 0.0 | 0.0 | 0.0 |
| San Gorgonio Pass Water Agency | 0.6 | 893.6 | 893.0 |
| TOTAL in Storage | 96,148.2 | 108,789.9 | 12,641.7 |

3.7 Groundwater Level Monitoring Program

A groundwater level monitoring program was initiated in 2015 to collect water levels throughout the basin using dedicated monitoring wells. Selected monitoring wells were equipped with a water level probe attached to a communications cable. The probe collects

water level information on an hourly basis; collected data is downloaded from the probes every two months and a report is prepared for the Watermaster Committee at each regular meeting.

At the present time, there are 15 monitoring wells equipped with water level probes as depicted in Figure 3-12. In addition, there are two monitoring probes collecting barometric pressures at opposite ends of the Beaumont Basin. During regular visits to the monitoring sites, the depth to water is measured using a water level meter according to the guidelines established in the recently adopted Rules and Regulations (Dec 2022).

Collected information is used to evaluate groundwater levels in the basin as documented in Section 3.8 of this report.

3.8 Changes in Groundwater Levels in the Beaumont Basin

3.8.1 Analysis of Groundwater Level Changes

Changes in groundwater flow and groundwater levels between 2022 and 2023 were evaluated based on measured data in dedicated monitoring wells and static measurements at active production wells located throughout the Beaumont Basin. Separate groundwater level contour maps were created for winter (December) 2022 and winter 2023 to evaluate changes in groundwater flow patterns and basin-wide changes in groundwater levels over the time period. The manually generated groundwater contour maps for 2022 and 2023 are shown on Figures 3-13 and 3-14, respectively.

Groundwater flow direction and gradient within the Beaumont Basin varies depending on location. In the west central portion of the basin (immediately west of the Beaumont Plains Fault Zone), groundwater generally flows to the north from the lowest reach of Noble Creek. Further to the west near Calimesa, the groundwater flow direction becomes westerly and then southwesterly toward San Timoteo Wash. In the eastern part of the basin, groundwater flows to the southeast towards the City of Banning. The groundwater flow directions did not change significantly between 2022 and 2023.

Basin-wide groundwater level trends in the Beaumont Basin were evaluated based on hydrographs from ten key wells and the groundwater level change map developed by subtracting the 2022 groundwater surface from the 2023 groundwater surface (see Figures 3-13 and 3-14). In the west central portion of the basin (BCVWD 29) groundwater levels are relatively stable. As judged by the highest peaks in the hydrograph, the overall groundwater level trend at this well was relatively stable between winter of 2022 and winter of 2023.

In the northwest portion of the basin (YVWD 34), groundwater levels have shown a downward trend since approximately 2020. In this area, groundwater levels showed declines of as much as two feet between December 2022 and December 2023 (see Figure 3-15). At Moreno Well No. 6, water levels have steadily dropped from 2003 to 2022 at which time they became stable. At Tukwet Canyon Golf Club B, groundwater levels were relatively stable between December 2022 and December 2023.

Groundwater levels in the central portion of the basin, in between the Beaumont Plains Faults, showed no change to slight declines in the range of 0 to -6 feet. Groundwater levels at Oak Valley No. 1 were relatively stable in 2023 (See Figure 3-15). In prior years, groundwater levels were highly variable in this well and likely influenced by groundwater pumping.

In the northern part of the basin, a groundwater mound developed at the BCVWD Noble Creek recharge site with as much as 53 feet of rise between December 2022 and December 2023 (see Figure 3-16). The rise in groundwater elevation is correlated with an increase in managed recharge at the facility in 2023 (11,172 acre-ft) relative to 2022 (1,812 acre-ft) and 2021 (2,504 acre-ft). An additional 9,220 acre-ft of water was delivered to the SGPWA spreading grounds south of Brookside Drive, which also contributed to the groundwater level rise in the area.

In the south-central portion of the basin, groundwater levels at BCVWD Well No. 2 showed some seasonal variability over the 2023 year but only changed approximately 3 feet between December 2022 and December 2023. At Banning Well C-4 (southeast Beaumont Basin), groundwater levels increased approximately 22 feet between December 2022 and December 2023. Groundwater levels in other southeast area wells also increased over the same period.

Groundwater levels in the northeast portion of the basin (near USGS Highland Springs Monitoring Well) dropped by approximately four feet between December 2022 and December 2023.

3.8.2 Analysis of Change in Groundwater Storage

Basin-wide change in groundwater storage between December 2022 and December 2023 was analyzed as a function of the difference in groundwater levels across the basin and the specific yield of the aquifer sediments. Specific yield values were obtained from the calibrated groundwater flow model of the Beaumont Basin (TH&Co, 2015). Groundwater level change across the basin was analyzed using the following procedure:

- ✓ The winter 2022 and 2023 hand-generated groundwater contour maps were each converted into three-dimensional raster surfaces.
- ✓ The basin was discretized into 100-ft by 100-ft grid cells.
- ✓ Attributes were assigned to each saturated grid cell including groundwater level change and specific yield.
- ✓ The resulting attribute table was processed in a Geographic Information System (GIS) for calculating the change in storage.

Results of the analysis show an overall increase in groundwater storage within the adjudicated basin of approximately 11,500 ac-ft during this one-year period. This increase is associated with above-normal precipitation during the time period and an increase imported deliveries to the Noble Creek Recharge Facilities, relative to previous years.

3.9 Operating Safe Yield

For purposes of this annual report, the annual operating Safe Yield (OSY) describes the net infiltration to the adjudicated groundwater basin (not including artificial recharge) for any given year. It is noted that the OSY is different than the Operating Yield, which is a function of the unused overlie production (Appropriative Water) and Temporary Surplus, as described in the Beaumont Basin Judgment (San Timoteo Management Authority v. Banning et al., 2004).

Operating Safe Yield is estimated based on the following equation:

$$OSY = \frac{\Sigma P + \Delta S - \Sigma AR}{\Delta T}$$

| | | | |
|--------|-------------|---|--|
| where: | ΣP | = | The sum of groundwater production (ac-ft) |
| | ΔS | = | The change in groundwater storage (ac-ft) |
| | ΣAR | = | The sum of groundwater recharge (ac-ft) |
| | ΔT | = | The time over which the OSY is estimated (years) |

Total Beaumont Basin groundwater production in calendar year 2023 was 14,227 ac-ft (see Table 3-3). Total artificial recharge in calendar year 2023 was 20,392 ac-ft (see Table 3-4). It is noted that only the Noble Creek Recharge Facility recharge was used in the analysis of OSY (recharge at the Little San Gorgonio Creek facility, if any, is not included because it is outside the adjudicated area). The change in groundwater storage estimate is based on the analysis of groundwater levels described earlier. The period of time over which the OSY is evaluated is one year. The resulting OSY is estimated as:

$$OSY = \frac{14,227 + 11,462 - 20,392}{1} = 5,297 \text{ ac-ft}$$

It is emphasized that the OSY, as presented herein, is based on one year of groundwater production and recharge data. When evaluated on a long-term basis, this methodology can be used to estimate the long-term Safe Yield of the basin, as defined in the Beaumont Basin Judgment. As required by the Judgment, the Safe Yield of the basin was reevaluated in 2013. The Safe Yield is currently being reevaluated.

The OSY for 2023 is likely underestimated. Groundwater level data were not available to estimate the year over year change in groundwater levels at the SGPWA recharge basins where more than 9,000 acre-ft of water was recharged. If these data were available, it is assumed that the change in storage value for the basin, and the OSY estimate, would have been higher.

3.10 Recommendations

The Rules and Regulations, initially adopted in June 2004, were developed with the understanding that they should be revisited and/or revised from time to time to make sure they were consistent with the provisions of the Judgment. Revisions to the Rules and Regulations have been made over the years with the latest revisions adopted in December 2022 as documented earlier in Section 2.4. The latest revisions to the Rules and Regulations, as documented in Resolution 2022-09 will significantly increase the consistency in documenting Overlying water transfers for service by Appropriators and for reporting groundwater levels recording procedures.

In September 2018, a study to estimate groundwater losses from the basin was completed for Watermaster. In this study groundwater losses from the basin resulting from spreading of imported or outside water at selected locations in the basin was estimated. The study has been accepted by the Watermaster Committee; however, a methodology to address this issue is yet to be developed.

Watermaster may conduct additional studies in the future in support of:

- ✓ Developing a methodology to account for new yield from capturing local stormwater in the basin, and
- ✓ Developing a methodology to account for recycled water recharge in the basin.

In preparing this annual report and through the review of previous annual reports, we have identified a number of issues/activities that should be considered by the Watermaster to ensure accurate accounting of production, transfers, recharge, and storage. It should be noted that many of the recommendations provided in this section have been previously documented in prior annual reports. Our recommendations are as follows:

- ✓ Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster. This has been partially addressed by the changes to the Rules and Regulations, as documented in Resolution 2022-09. Watermaster should identify a person and/or entity to be the central repository for data collection, transfer, and exchange. This person/entity shall be responsible for the collection and distribution of all groundwater production, water level, groundwater recharge, and water quality information. Quality control of the data in its various forms including checks for errors, omissions, and inconsistencies between the reporting agencies and/or parties should be part of this process.

As indicated earlier, Watermaster should revisit the Rules and Regulations to ensure that its activities are consistent with the requirements of the Judgment. The following inconsistencies between guidelines provided in this document and current Watermaster activities were identified:

- ✓ Watermaster has not conducted a meter maintenance program, as required under Section 3.1 of the Rules and Regulations, to make sure groundwater production is

reported accurately. Individual parties may or may not maintain and calibrate their production meters at acceptable intervals.

- ✓ Under Section 3.2 of the Rules and Regulations, producers producing in an excess of 10 ac-ft/yr should report on a monthly basis by the 15th day of the ensuing month while those producing less should file on an annual basis by the 15th of July. This provision should be revised as it was written for fiscal year accounting. Overlying Parties producing less than 10 ac-ft/yr should report by the 15th of January now that calendar year accounting is used. Proper supporting information should be provided.
- ✓ Under Section 2.2.1 (A) of the Rules and Regulations, the Watermaster shall levy and collect assessments in each year, in amounts sufficient to purchase replenishment water to replace Overproduction by any party from the previous fiscal year. Assessment shall be collected not later than October 1 of each year. This provision should be changed to reflect Calendar Year basis.

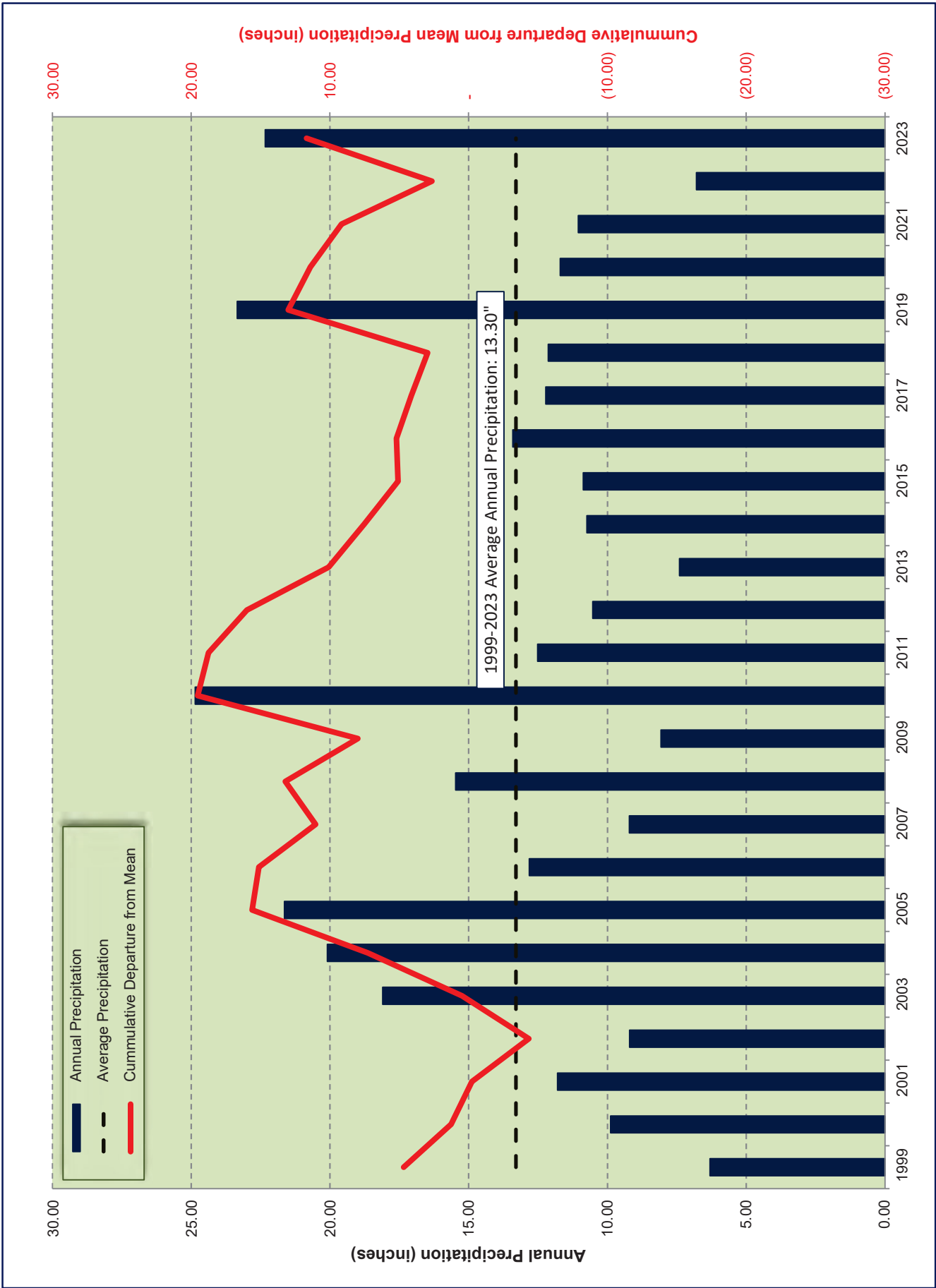
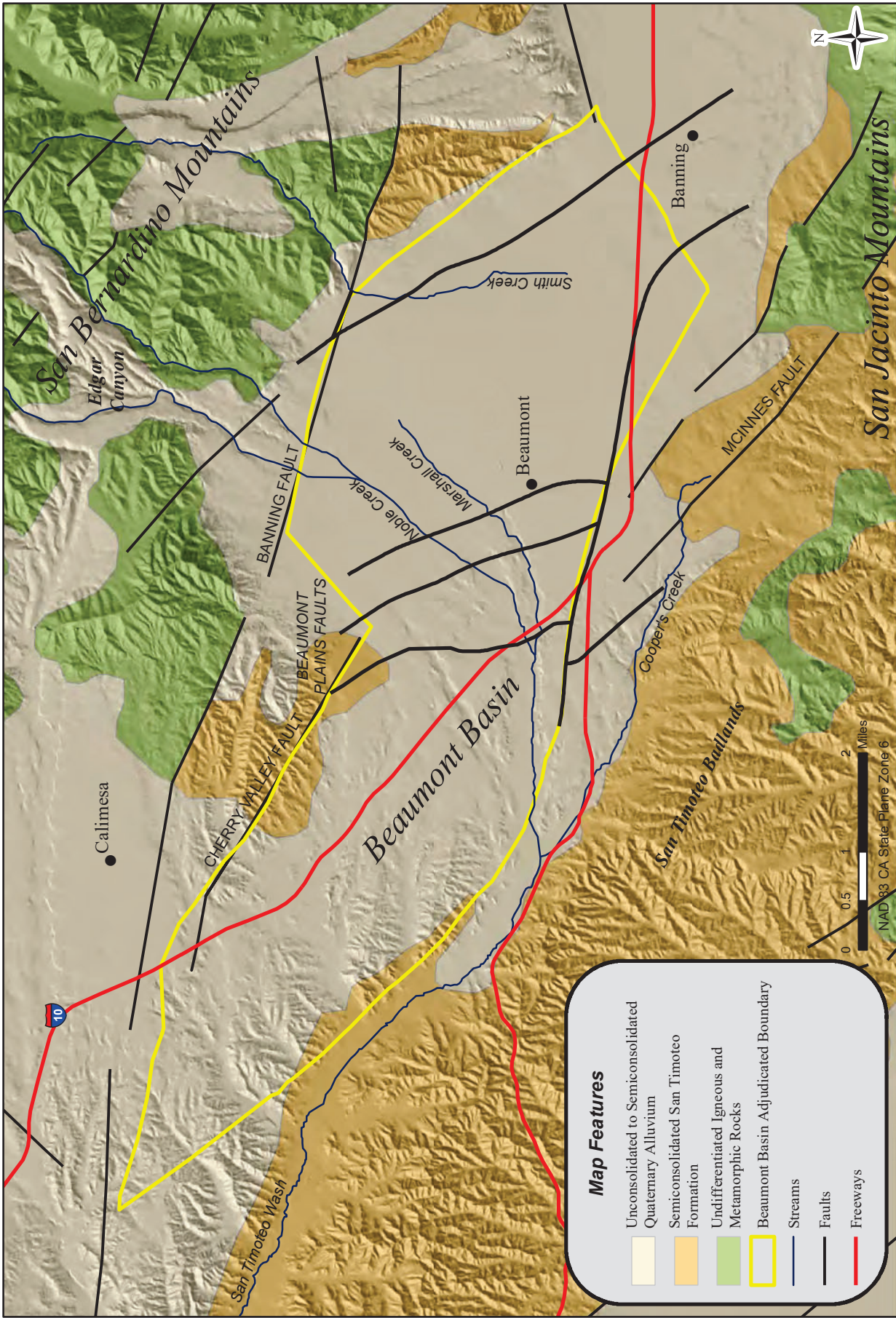


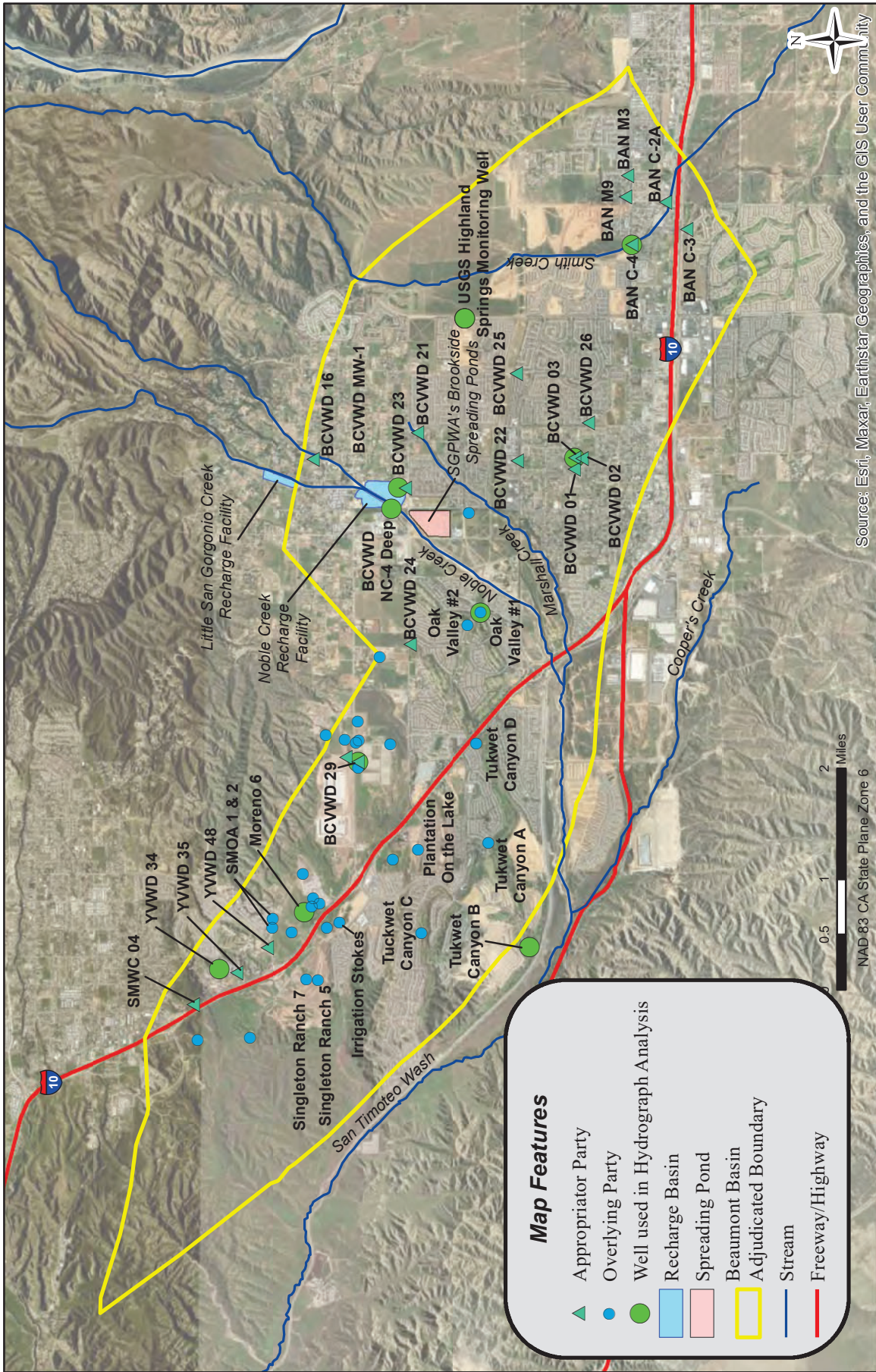
Figure 3-1 Annual Precipitation with Cumulative Departure from the Mean (1999-2023)



Geology of the Beaumont Basin

Figure 3-2

March 2024



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Well Locations in the Beaumont Basin
Figure 3-3

March 2024

Map Features

- ▲ Appropriator Party
- Overlying Party
- Well used in Hydrograph Analysis
- Recharge Basin
- Spreading Pond
- Beaumont Basin
- Adjudicated Boundary
- Stream
- Freeway/Highway

Alda, Inc. in association with
Thomas Harder & Co.
Groundwater Consulting

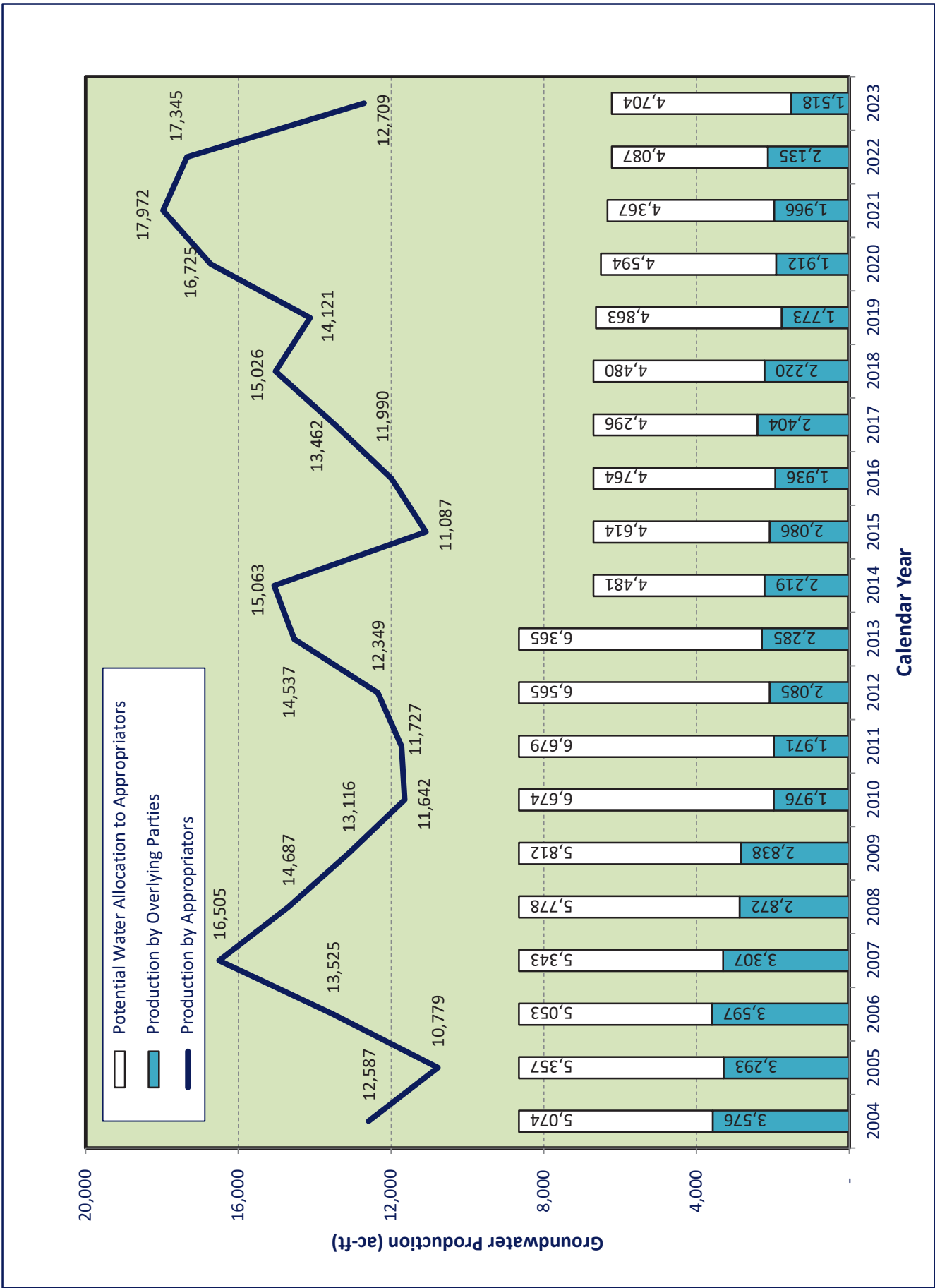


Figure 3-4 Annual Production by Appropriators and Overlying Users (2004-23)

City of Banning Storage Account (2003 - 2023)

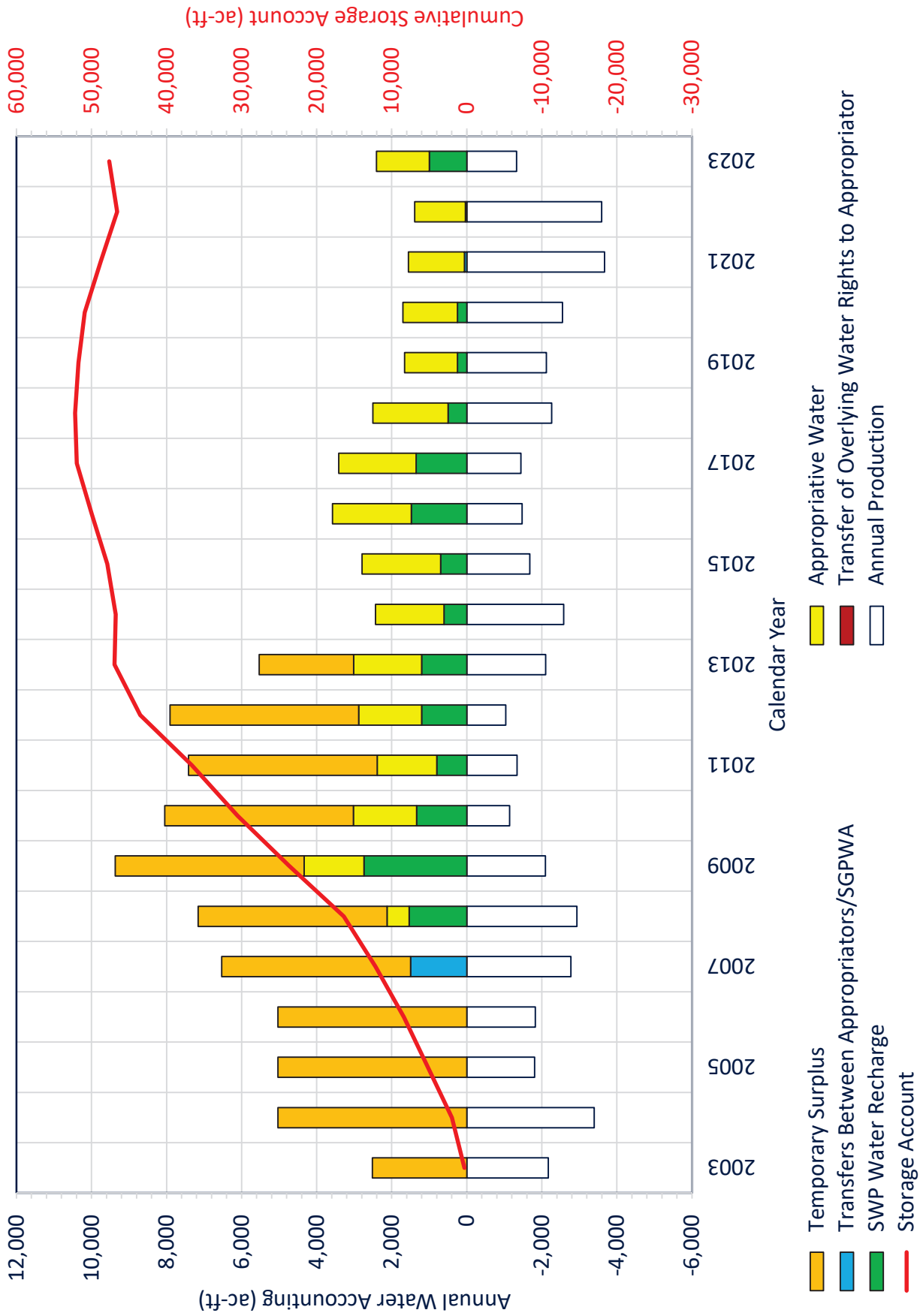


Figure 3-5
City of Banning - Supply Sources and Storage Account (2003-23)

Beaumont-Cherry Valley Water District Storage Account (2003 - 2023)

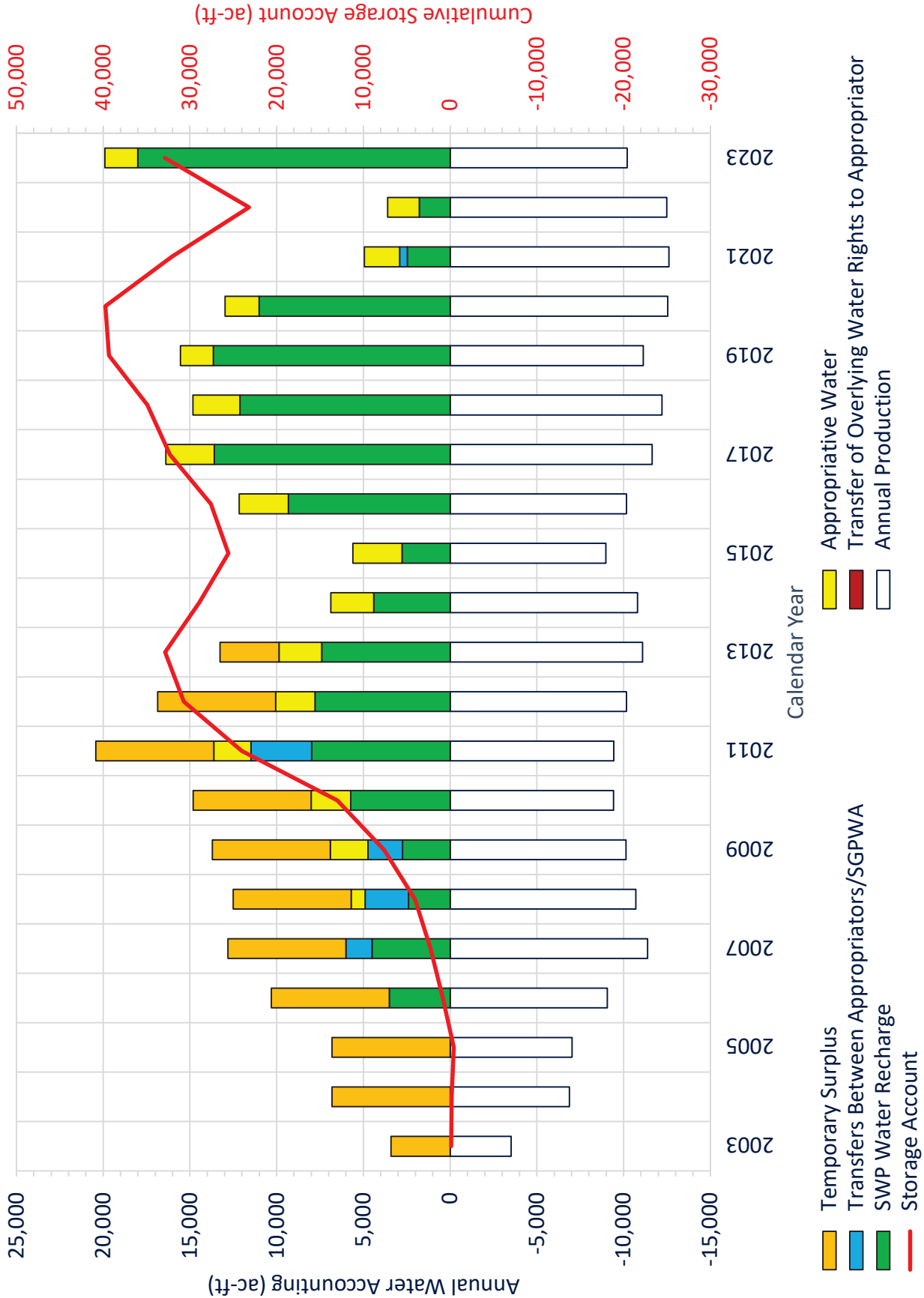


Figure 3-6
BCVWD - Supply Sources and Storage Account (2003-23)

South Mesa Water Company Storage Account (2003 - 2023)

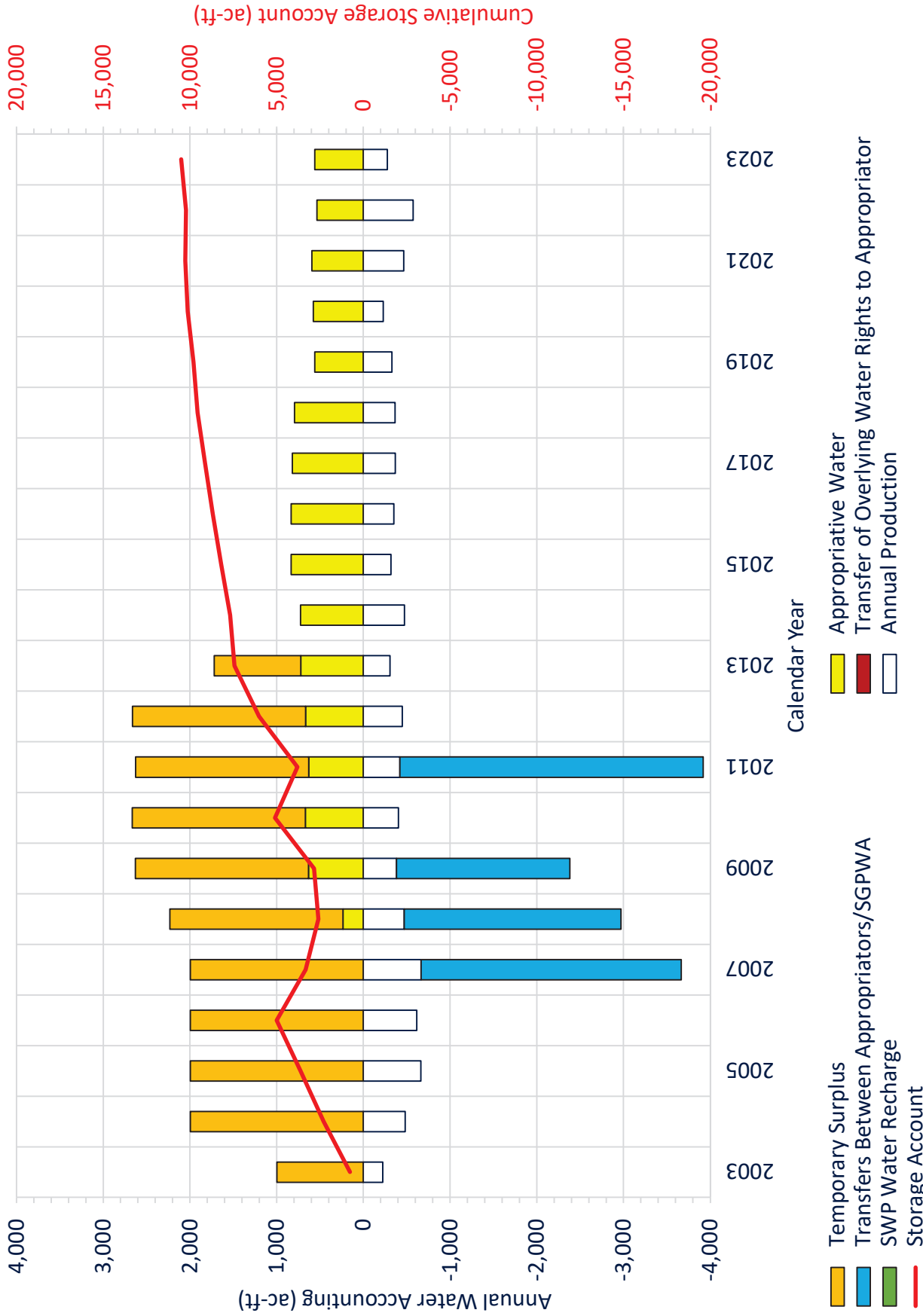


Figure 3-7
SMWC - Supply Sources and Storage Account (2003-23)

Yucaipa Valley Water District Storage Account (2003 - 2023)

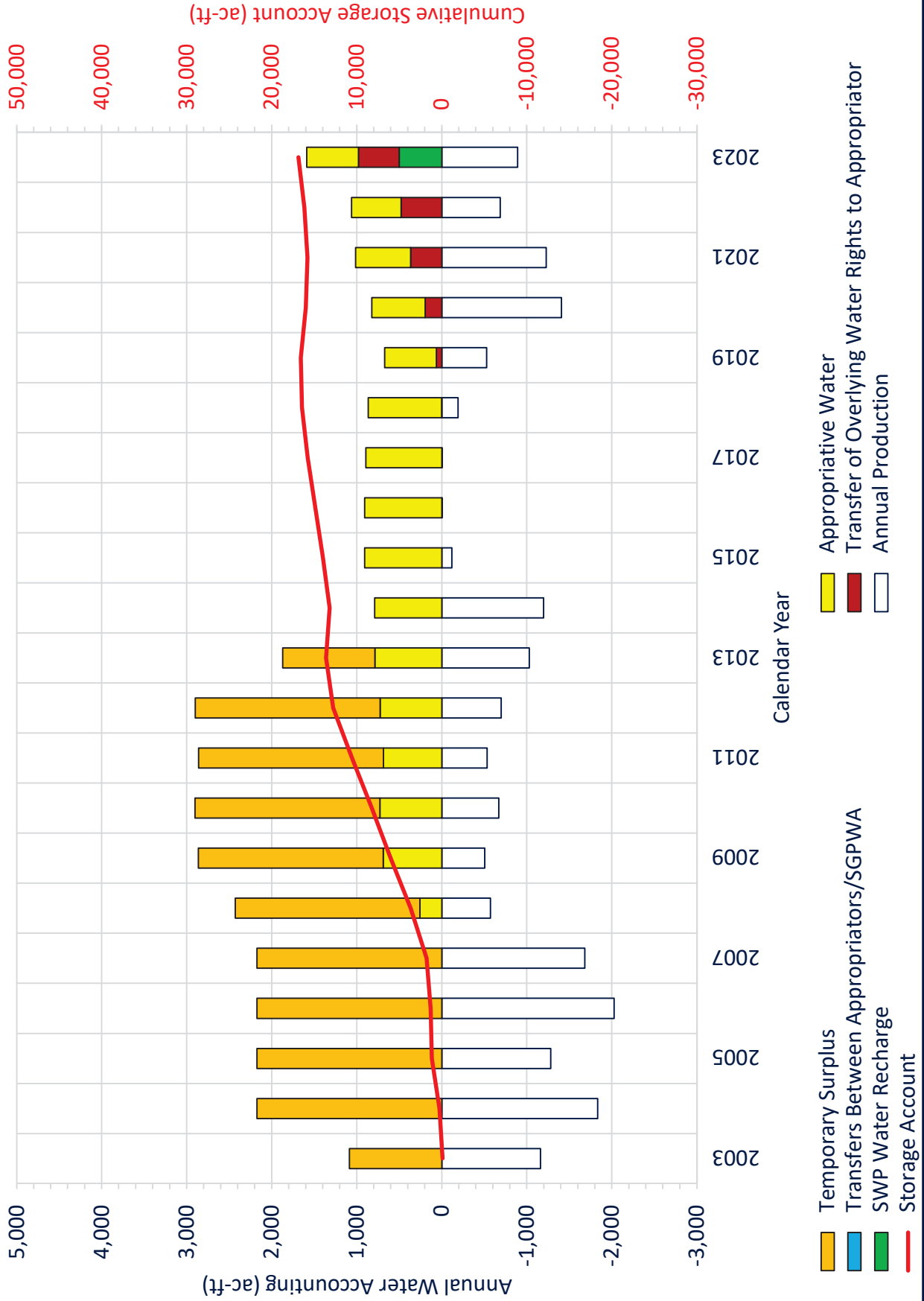
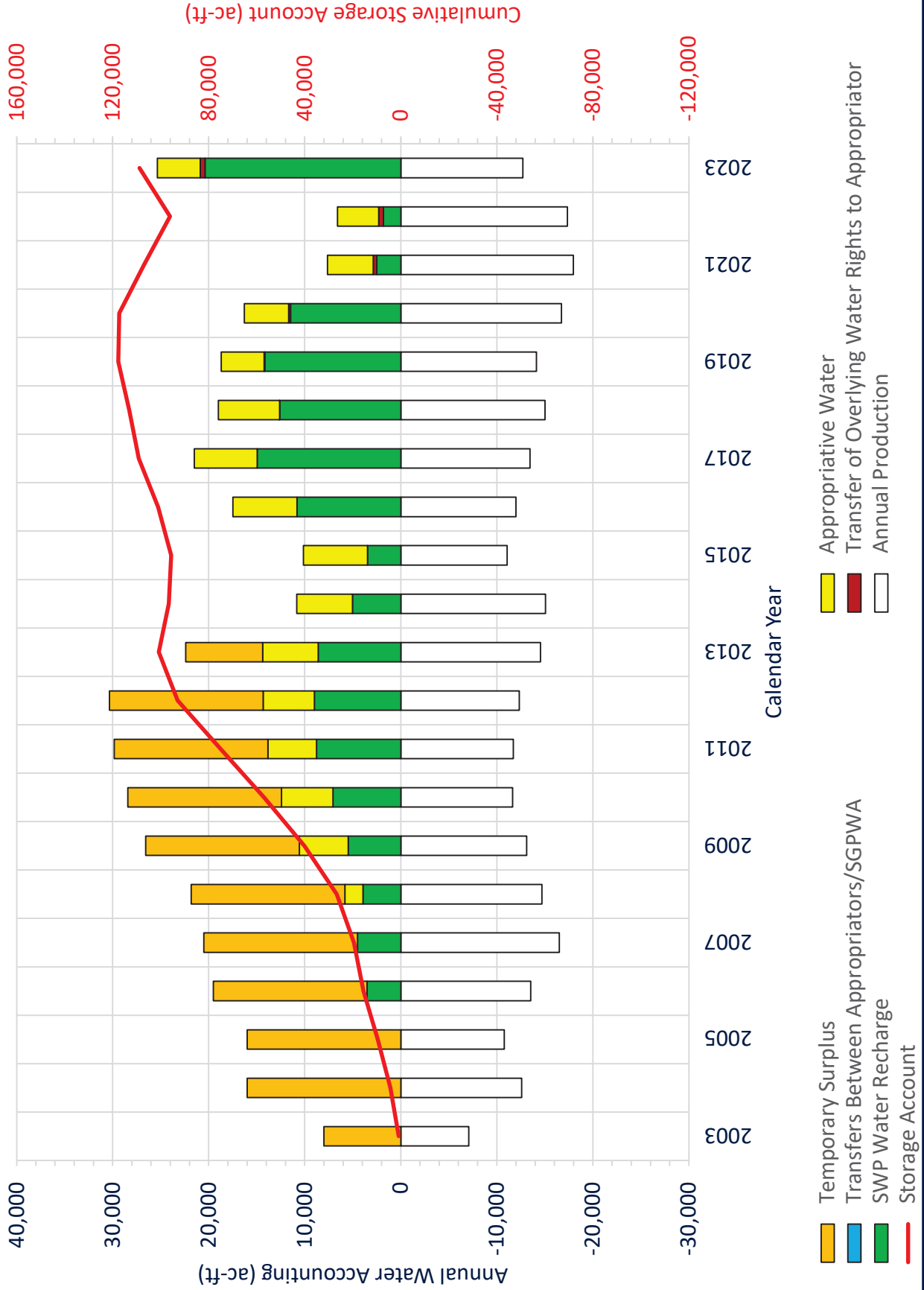


Figure 3-8
YVWD - Supply Sources and Storage Account (2003-23)

Beaumont Basin Storage Account (2003 - 2023)



**Figure 3-9
Beaumont Basin - Supply Sources and Storage Account (2003-23)**

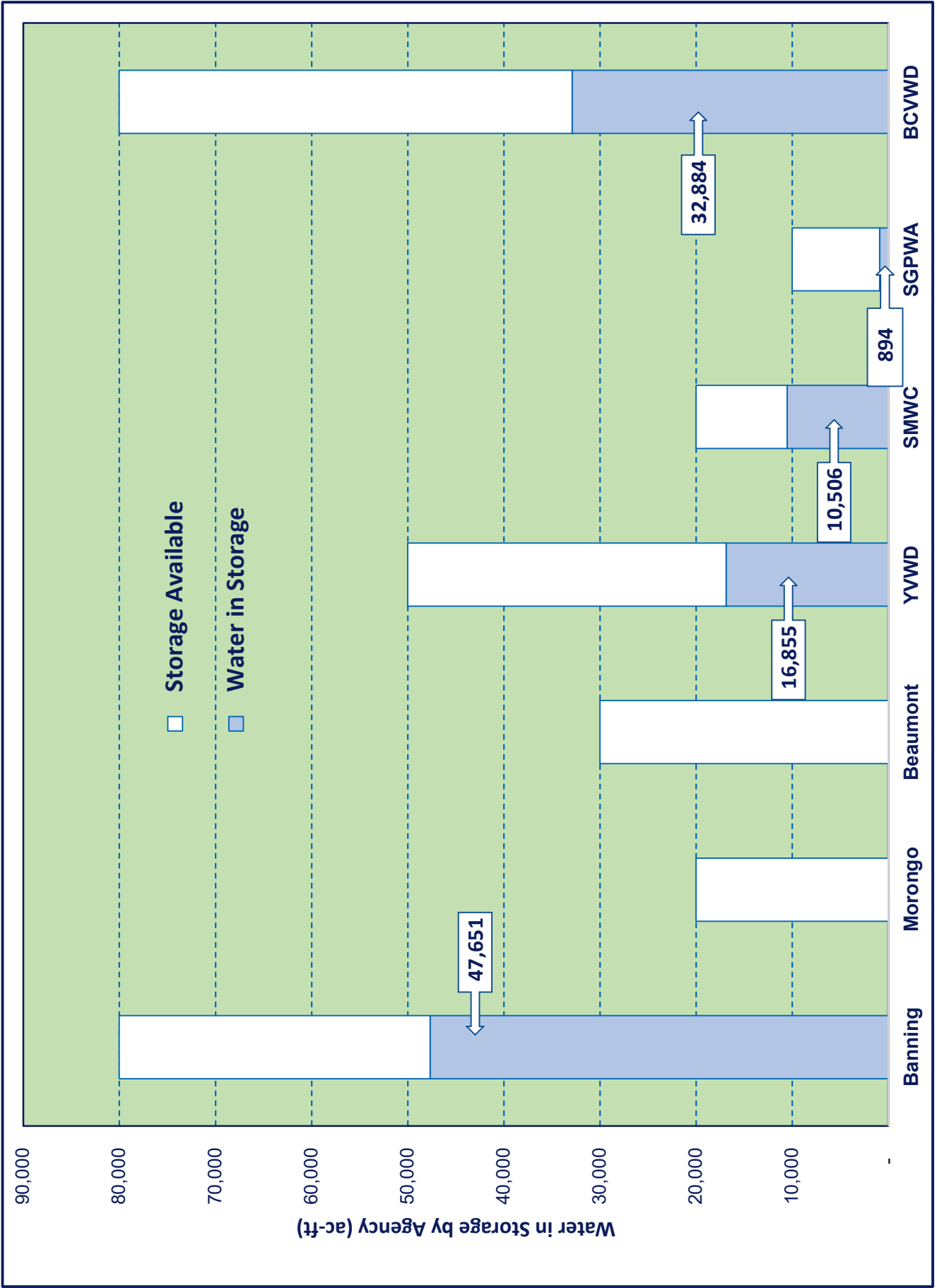


Figure 3-10
Groundwater Storage by Agency/User as of 2023

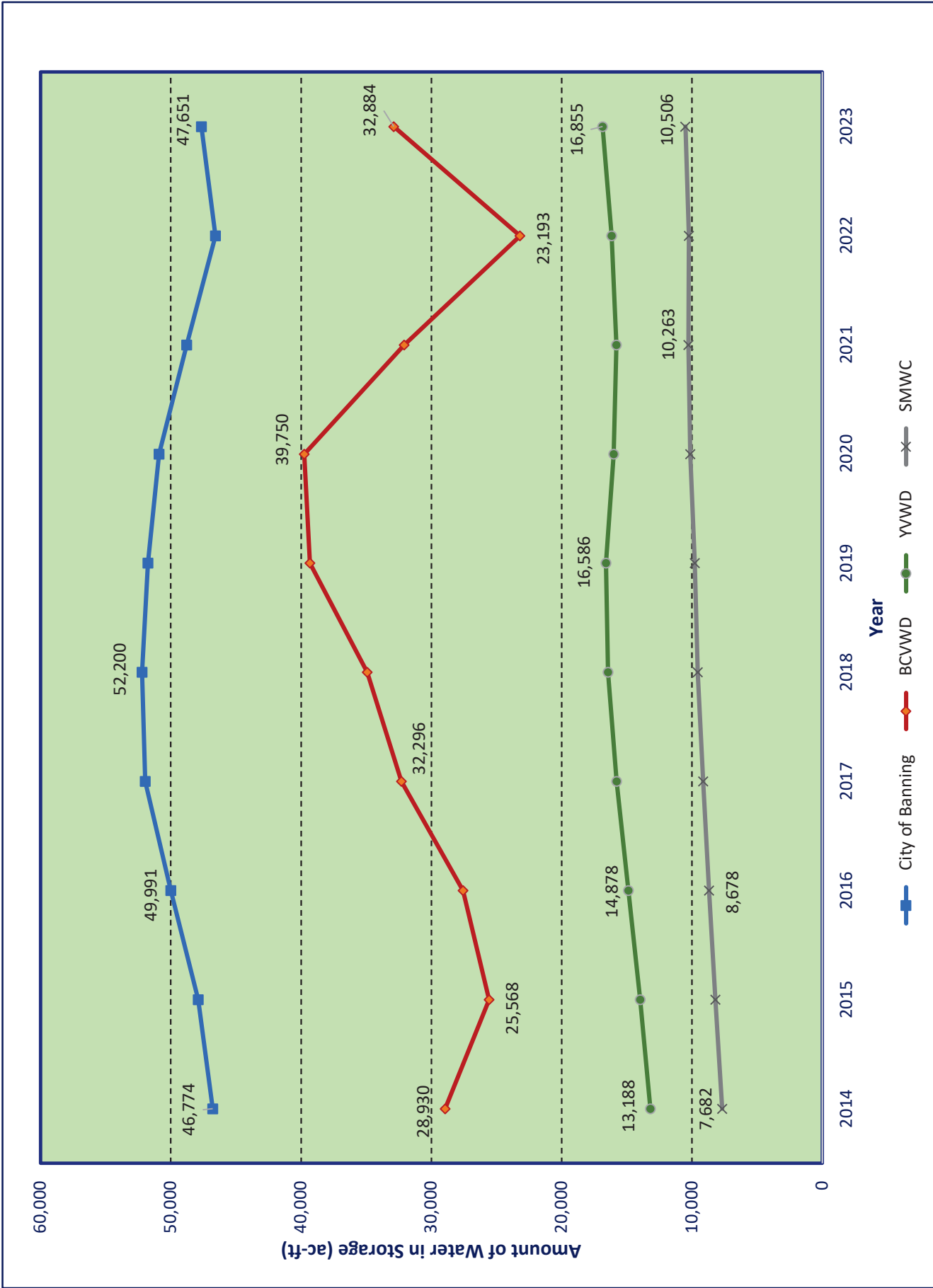
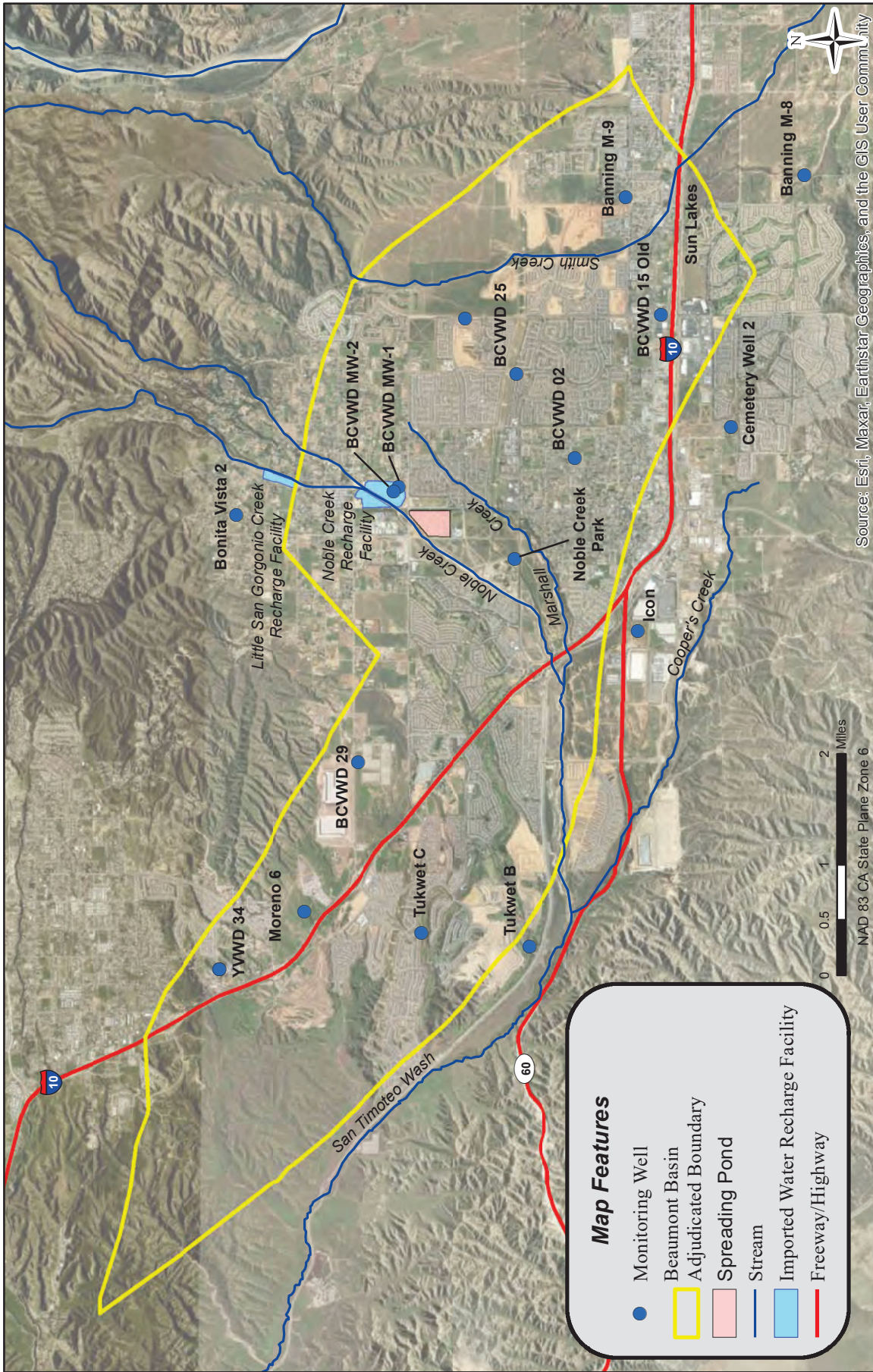
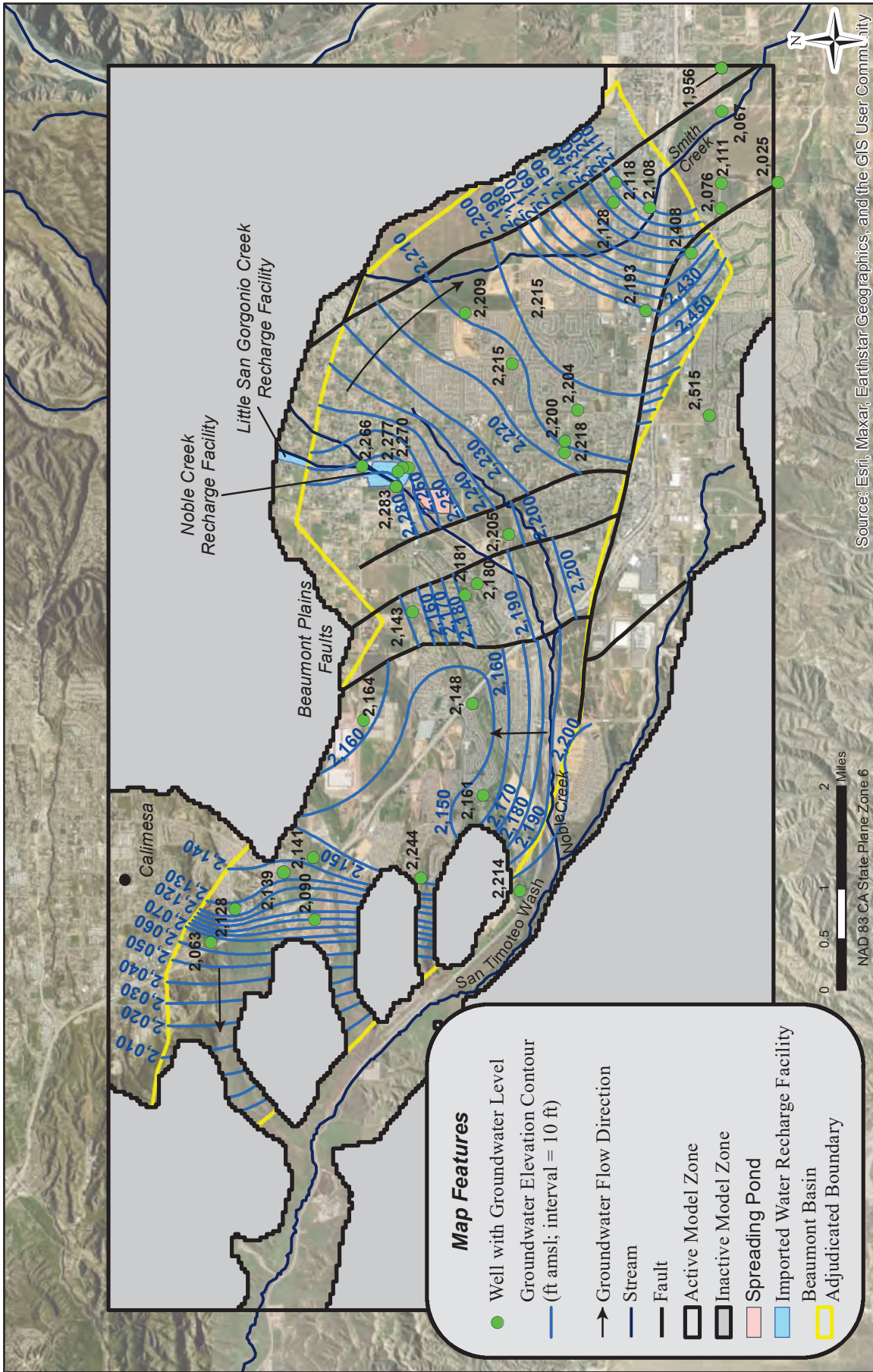


Figure 3-11
Accumulation of Storage by Appropriator for the 2014-2023 10-Yr Period



Monitoring Wells in the Beaumont Basin
Figure 3-12

March 2024

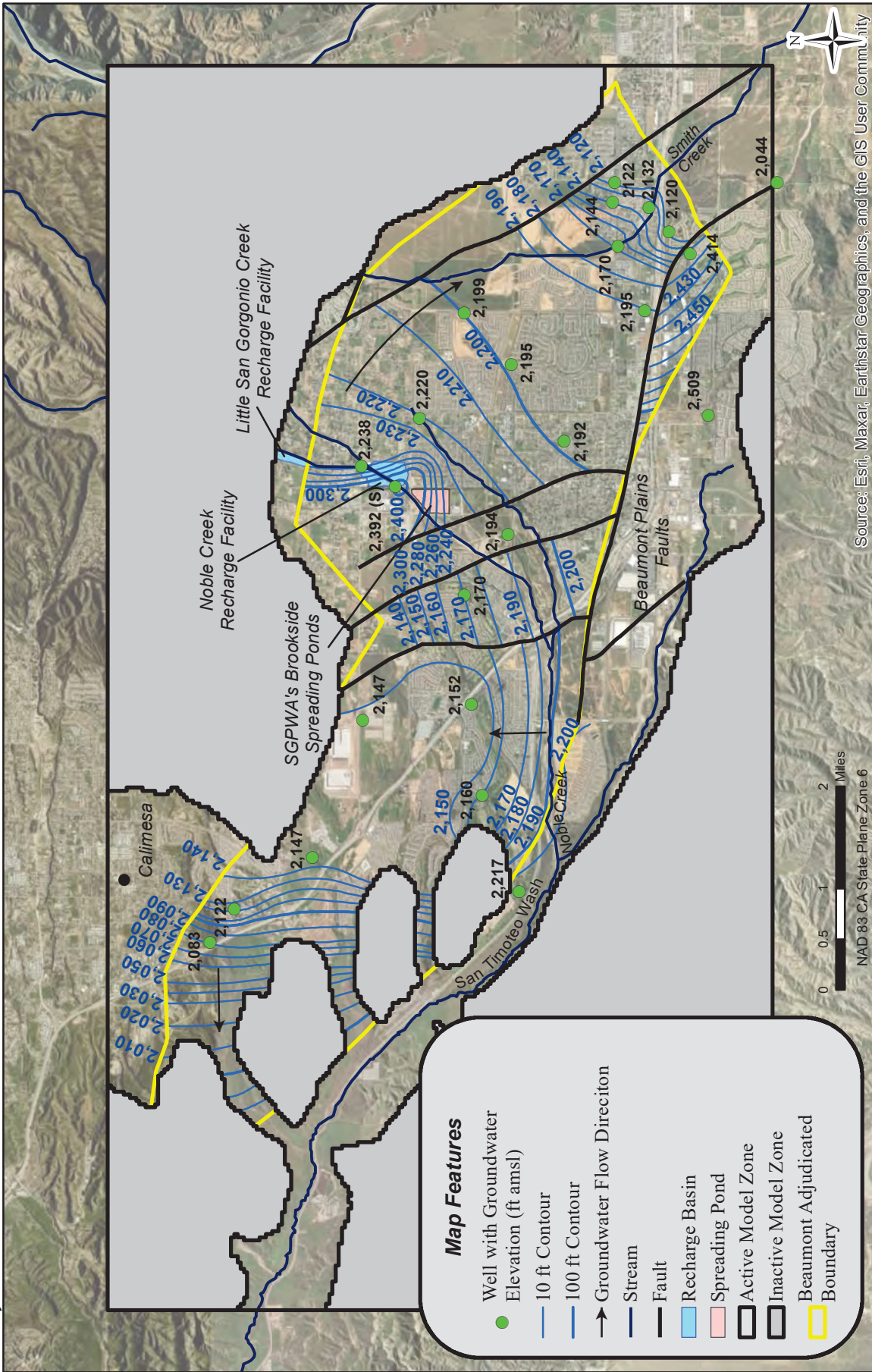


**Groundwater Contours
in the Beaumont Basin - Winter 2022**
Figure 3-13

March 2024

Evaluation of Groundwater Conditions and Operating Safe Yield for the Beaumont Basin – 2023

Alda, Inc.



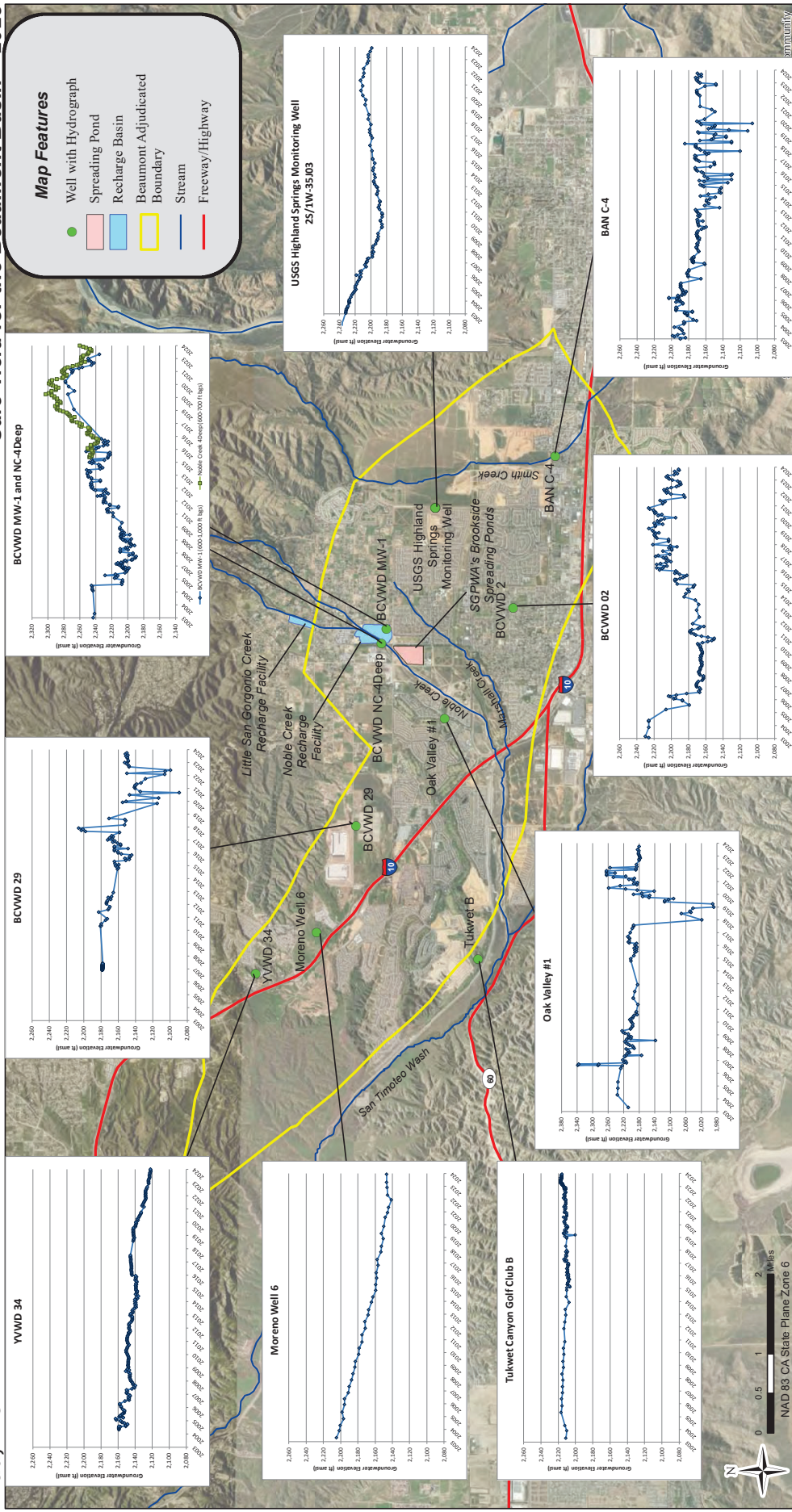
Thomas Harder & Co.
Groundwater Consulting

Groundwater Contours in the Beaumont Basin - Winter 2023
Figure 3-14

March 2024

Evaluation of Groundwater Conditions and Operating Safe Yield for the Beaumont Basin – 2023

Alda, Inc.



Groundwater Level Trends at Key Wells

March 2024

Figure 3-15

Thomas Harder & Co.
Groundwater Consulting

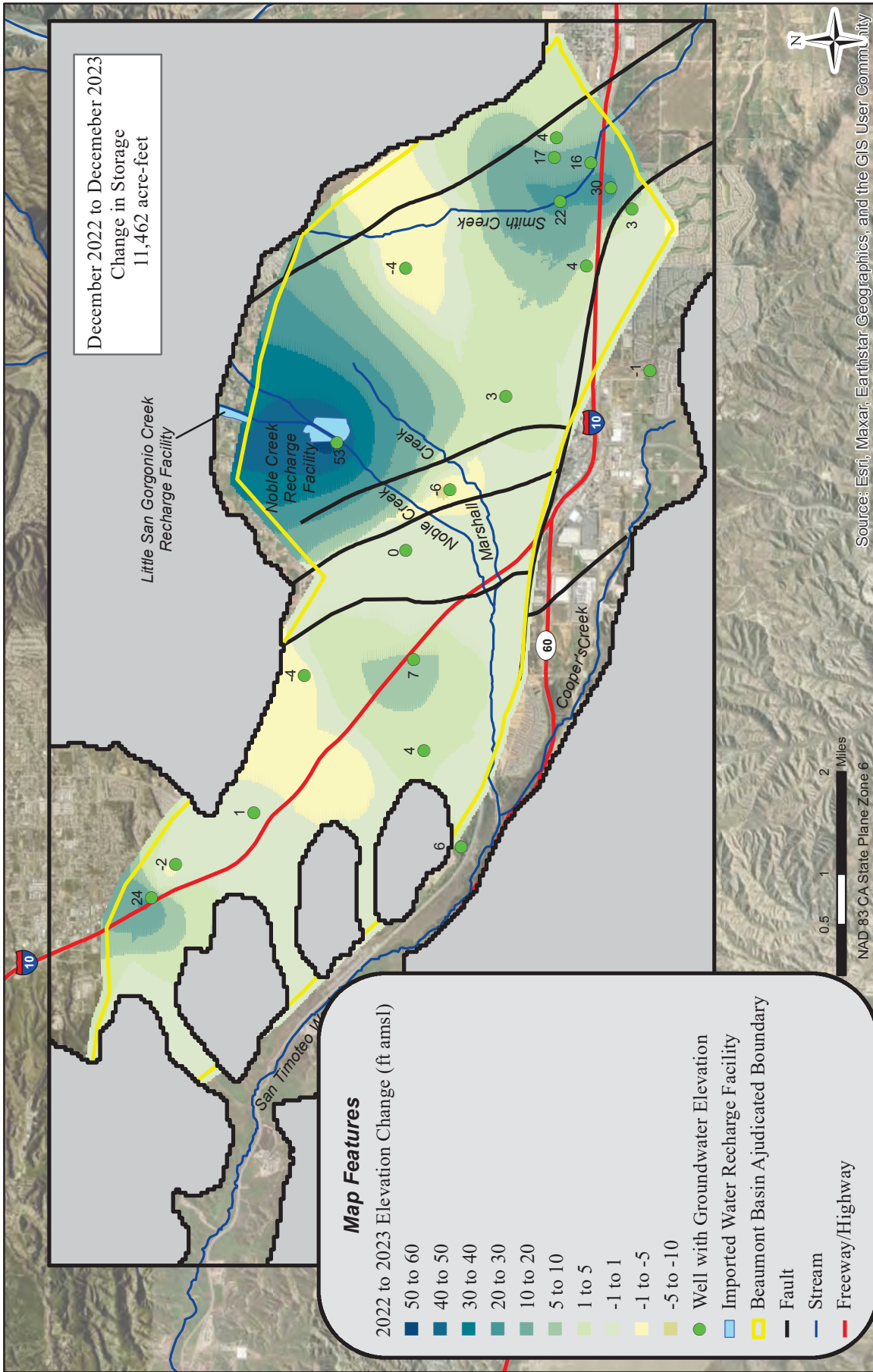


Table 3-1A
Appropriator Producer - Summary of Production for Calendar Year 2019 (ac-ft)

| Owner & Well Name | Water Production by Appropriator (ac-ft) ⁽¹⁾ | | | | | | | | | | | | Total Production |
|--|---|--------------|--------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Banning, City of | | | | | | | | | | | | | |
| Well C2-A | 6.0 | 25.4 | 17.5 | 0.6 | 3.7 | 11.2 | 25.7 | 39.0 | 44.8 | 26.3 | 0.9 | 1.4 | 202.4 |
| Well C3 | 0.8 | 0.4 | 0.2 | 1.3 | 0.0 | 38.3 | 78.8 | 53.2 | 0.0 | 0.0 | 0.0 | 0.0 | 172.8 |
| Well C4 | 105.4 | 7.4 | 15.8 | 146.7 | 144.5 | 110.0 | 100.0 | 109.9 | 118.0 | 61.6 | 80.7 | 6.4 | 1,006.4 |
| Well M3 | 4.9 | 50.2 | 51.1 | 32.0 | 4.4 | 56.2 | 84.0 | 82.8 | 79.7 | 81.8 | 77.0 | 74.8 | 679.0 |
| Well M9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| From BCVWD ⁽²⁾ | 16.9 | 1.0 | 4.8 | 10.0 | 5.4 | 6.5 | 6.0 | 3.6 | 0.5 | 3.6 | 0.7 | 1.6 | 60.7 |
| Subtotal | 133.9 | 84.3 | 89.3 | 190.6 | 157.9 | 222.2 | 294.5 | 288.5 | 243.0 | 173.3 | 159.3 | 84.2 | 2,121.3 |
| Beaumont Cherry Valley Water District | | | | | | | | | | | | | |
| Well 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| Well 16 | 0.1 | 0.0 | 0.4 | 1.2 | 0.0 | 3.1 | 0.0 | 8.3 | 9.2 | 20.8 | 6.2 | 1.9 | 51.1 |
| Well 21 | 186.1 | 168.1 | 71.1 | 240.8 | 206.3 | 237.4 | 256.9 | 242.5 | 227.1 | 256.6 | 237.3 | 158.7 | 2,488.8 |
| Well 22 | 0.0 | 0.0 | 0.0 | 7.5 | 6.1 | 123.1 | 116.2 | 106.4 | 91.5 | 90.7 | 65.1 | 5.0 | 611.7 |
| Well 23 | 82.1 | 106.1 | 42.6 | 85.9 | 27.3 | 113.3 | 240.6 | 280.6 | 229.9 | 189.5 | 176.2 | 172.3 | 1,746.4 |
| Well 24 | 89.9 | 21.6 | 133.9 | 211.0 | 108.1 | 179.7 | 201.9 | 249.7 | 206.6 | 195.4 | 186.7 | 86.6 | 1,871.1 |
| Well 25 | 196.2 | 95.2 | 201.4 | 216.7 | 249.4 | 244.6 | 307.7 | 298.4 | 280.5 | 277.1 | 171.9 | 59.1 | 2,598.4 |
| Well 26 | 15.7 | 0.0 | 26.2 | 130.2 | 57.6 | 130.1 | 125.9 | 155.4 | 151.2 | 139.3 | 113.9 | 17.3 | 1,062.7 |
| Well 29 | 6.3 | 5.4 | 1.6 | 0.0 | 4.4 | 49.7 | 194.9 | 224.4 | 167.0 | 76.5 | 30.1 | 10.4 | 770.8 |
| Egg Ranch Well | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| To Banning ⁽²⁾ | -16.9 | -1.0 | -4.8 | -10.0 | -5.4 | -6.5 | -6.0 | -3.6 | -0.5 | -3.6 | -0.7 | -1.6 | -60.7 |
| Subtotal | 560.2 | 395.5 | 472.5 | 883.2 | 653.9 | 1,074.5 | 1,438.0 | 1,562.1 | 1,362.5 | 1,242.4 | 986.5 | 509.7 | 11,140.9 |
| South Mesa Water Company | | | | | | | | | | | | | |
| Well 4 | 12.8 | 11.8 | 14.2 | 25.5 | 22.5 | 38.9 | 53.6 | 54.4 | 39.8 | 22.9 | 20.7 | 13.5 | 330.7 |
| Subtotal | 12.8 | 11.8 | 14.2 | 25.5 | 22.5 | 38.9 | 53.6 | 54.4 | 39.8 | 22.9 | 20.7 | 13.5 | 330.7 |
| Yucaipa Valley Water District | | | | | | | | | | | | | |
| Well 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 148.0 | 110.4 | 83.6 | 76.7 | 110.0 | 528.6 |
| Subtotal | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 148.0 | 110.4 | 83.6 | 76.7 | 110.0 | 528.6 |
| Total | 706.9 | 491.6 | 576.1 | 1,099.3 | 834.3 | 1,335.5 | 1,786.1 | 2,053.0 | 1,755.8 | 1,522.2 | 1,243.2 | 717.4 | 14,121.5 |

(1) - All values rounded and subject to revision based on receipt of more accurate information
(2) - Pursuant to Part I, Paragraph 3B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster), a portion of the production from certain wells, operated by BCVWD and co-owned by the City of Banning and BCVWD, is delivered to the City of Banning at two connections, Sun Lakes and Highland Springs where flow meters are read.

Table 3-1B
Appropriator Producer - Summary of Production for Calendar Year 2020 (ac-ft)

| Owner & Well Name | Water Production by Appropriator (ac-ft) ⁽¹⁾ | | | | | | | | | | | | Total Production |
|--|---|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Banning, City of | | | | | | | | | | | | | |
| Well C2-A | 4.0 | 20.3 | 2.7 | 0.5 | 7.8 | 16.8 | 27.6 | 23.5 | 17.8 | 13.4 | 19.5 | 4.8 | 158.8 |
| Well C3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well C4 | 25.1 | 90.6 | 101.3 | 106.1 | 115.8 | 133.3 | 146.6 | 149.0 | 142.6 | 135.1 | 125.6 | 137.4 | 1,408.7 |
| Well M3 | 80.9 | 0.1 | 0.3 | 0.3 | 72.1 | 77.9 | 85.1 | 82.8 | 82.8 | 52.1 | 40.2 | 42.3 | 616.8 |
| Well M9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| From BCVWD ⁽²⁾ | 1.9 | 6.4 | 2.5 | 0.6 | 0.0 | 0.0 | 0.0 | 84.5 | 98.3 | 110.8 | 43.2 | 16.1 | 364.4 |
| Subtotal | 111.9 | 117.5 | 106.9 | 107.6 | 195.7 | 228.0 | 259.4 | 339.7 | 341.5 | 311.4 | 228.5 | 200.6 | 2,548.6 |
| Beaumont Cherry Valley Water District | | | | | | | | | | | | | |
| Well 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 3 | 0.0 | 3.0 | 26.3 | 47.7 | 50.7 | 113.0 | 126.8 | 165.9 | 163.7 | 61.1 | 59.8 | 34.7 | 852.6 |
| Well 16 | 0.0 | 9.1 | 19.0 | 4.0 | 18.2 | 52.6 | 21.2 | 56.4 | 8.9 | 9.3 | 0.5 | 2.0 | 201.1 |
| Well 21 | 157.8 | 129.3 | 19.4 | 0.0 | 0.0 | 0.0 | 69.9 | 221.0 | 199.9 | 218.0 | 125.2 | 113.2 | 1,253.7 |
| Well 22 | 0.5 | 5.6 | 17.0 | 35.6 | 134.4 | 160.7 | 106.7 | 71.2 | 172.7 | 149.7 | 86.7 | 75.8 | 1,016.5 |
| Well 23 | 256.7 | 145.4 | 64.9 | 163.0 | 209.7 | 271.2 | 273.1 | 276.1 | 269.4 | 236.8 | 178.5 | 159.2 | 2,504.0 |
| Well 24 | 164.9 | 144.1 | 120.2 | 155.8 | 186.9 | 153.0 | 225.1 | 130.2 | 1.9 | 57.1 | 0.0 | 2.1 | 1,341.3 |
| Well 25 | 55.9 | 74.2 | 33.5 | 29.8 | 144.8 | 151.6 | 182.1 | 151.6 | 145.7 | 160.0 | 122.5 | 125.0 | 1,376.7 |
| Well 26 | 0.0 | 139.6 | 191.8 | 123.7 | 251.1 | 178.6 | 280.3 | 300.0 | 307.6 | 297.6 | 226.1 | 210.7 | 2,507.1 |
| Well 29 | 5.9 | 59.6 | 44.4 | 0.0 | 185.2 | 209.0 | 224.8 | 286.9 | 291.9 | 212.7 | 166.9 | 163.4 | 1,850.7 |
| Egg Ranch Well | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| To Banning ⁽²⁾ | -1.9 | -6.4 | -2.5 | -0.6 | 0.0 | 0.0 | 0.0 | -84.5 | -98.3 | -110.8 | -43.2 | -16.1 | -364.4 |
| Subtotal | 639.8 | 703.4 | 533.9 | 558.9 | 1,181.0 | 1,289.7 | 1,509.9 | 1,574.8 | 1,463.4 | 1,291.5 | 923.0 | 870.0 | 12,539.2 |
| South Mesa Water Company | | | | | | | | | | | | | |
| Well 4 | 17.1 | 14.9 | 13.0 | 16.9 | 26.2 | 24.7 | 36.6 | 44.8 | 26.7 | 0.0 | 0.0 | 8.3 | 229.2 |
| Subtotal | 17.1 | 14.9 | 13.0 | 16.9 | 26.2 | 24.7 | 36.6 | 44.8 | 26.7 | 0.0 | 0.0 | 8.3 | 229.2 |
| Yucaipa Valley Water District | | | | | | | | | | | | | |
| Well 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 48 | 152.2 | 142.1 | 83.4 | 122.9 | 133.1 | 158.5 | 167.4 | 148.1 | 127.2 | 119.7 | 53.3 | 0.0 | 1,407.7 |
| Subtotal | 152.2 | 142.1 | 83.4 | 122.9 | 133.1 | 158.5 | 167.4 | 148.1 | 127.2 | 119.7 | 53.3 | 0.0 | 1,407.7 |
| Total | 920.9 | 977.9 | 737.1 | 806.2 | 1,536.0 | 1,700.8 | 1,973.2 | 2,107.5 | 1,958.8 | 1,722.6 | 1,204.9 | 1,078.9 | 16,724.7 |

(1) - All values rounded and subject to revision based on receipt of more accurate information
(2) - Pursuant to Part I, Paragraph 3B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster), a portion of the production from certain wells, operated by BCVWD and co-owned by the City of Banning and BCVWD, is delivered to the City of Banning at two connections, Sun Lakes and Highland Springs where flow meters are read.

Table 3-1C
Appropriator Producer - Summary of Production for Calendar Year 2021 (ac-ft)

| Owner & Well Name | Water Production by Appropriator (ac-ft) ⁽¹⁾ | | | | | | | | | | | | Total Production |
|--|---|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Banning, City of | | | | | | | | | | | | | |
| Well C2-A | 18.6 | 14.4 | 14.5 | 3.3 | 1.2 | 44.0 | 93.3 | 82.1 | 88.5 | 62.8 | 36.9 | 48.0 | 507.7 |
| Well C3 | 0.0 | 10.5 | 37.7 | 109.9 | 111.3 | 110.9 | 107.9 | 96.4 | 103.9 | 61.9 | 76.4 | 13.1 | 838.9 |
| Well C4 | 110.9 | 123.0 | 95.0 | 138.3 | 141.5 | 138.7 | 133.2 | 133.5 | 135.6 | 136.7 | 129.7 | 49.4 | 1,465.4 |
| Well M3 | 25.3 | 18.8 | 41.3 | 48.0 | 65.8 | 57.2 | 58.4 | 59.5 | 9.2 | 4.3 | 8.3 | 10.9 | 407.0 |
| Well M9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| From BCVWD ⁽²⁾ | 4.2 | 0.0 | 0.0 | 0.3 | 0.0 | 1.8 | 73.5 | 71.4 | 71.7 | 76.1 | 73.4 | 76.6 | 449.0 |
| Subtotal | 159.1 | 166.7 | 188.5 | 299.9 | 319.8 | 352.6 | 466.3 | 441.9 | 408.9 | 341.8 | 324.7 | 198.1 | 3,668.1 |
| Beaumont Cherry Valley Water District | | | | | | | | | | | | | |
| Well 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 3 | 0.8 | 15.5 | 4.0 | 38.4 | 154.2 | 162.0 | 156.6 | 167.1 | 100.6 | 60.3 | 91.3 | 39.9 | 990.7 |
| Well 16 | 4.5 | 5.6 | 1.0 | 7.6 | 59.4 | 70.2 | 86.4 | 100.5 | 83.4 | 73.7 | 58.4 | 21.9 | 572.5 |
| Well 21 | 126.6 | 98.2 | 99.4 | 147.1 | 175.4 | 200.4 | 209.1 | 193.0 | 169.1 | 137.6 | 177.4 | 151.9 | 1,885.2 |
| Well 22 | 26.1 | 5.7 | 2.7 | 23.9 | 92.0 | 153.6 | 146.7 | 170.8 | 135.6 | 88.9 | 145.1 | 110.7 | 1,101.8 |
| Well 23 | 108.4 | 121.0 | 117.9 | 139.8 | 222.4 | 284.0 | 347.8 | 360.2 | 290.7 | 201.9 | 106.9 | 3.1 | 2,304.1 |
| Well 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 106.9 | 119.7 | 213.1 | 215.5 | 655.2 |
| Well 25 | 77.7 | 64.8 | 69.4 | 124.4 | 155.7 | 111.7 | 165.9 | 154.4 | 149.1 | 132.0 | 113.0 | 39.0 | 1,357.3 |
| Well 26 | 220.4 | 173.0 | 216.3 | 186.4 | 48.0 | 294.2 | 370.8 | 321.0 | 257.7 | 242.5 | 51.8 | 141.6 | 2,523.7 |
| Well 29 | 152.4 | 148.5 | 154.6 | 235.5 | 265.6 | 78.8 | 143.7 | 160.1 | 148.5 | 74.7 | 79.6 | 26.2 | 1,668.0 |
| Egg Ranch Well | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| To Banning ⁽²⁾ | -4.2 | 0.0 | 0.0 | -0.3 | 0.0 | -1.8 | -73.5 | -71.4 | -71.7 | -76.1 | -73.4 | -76.6 | -449.0 |
| Subtotal | 712.7 | 632.4 | 665.3 | 902.9 | 1,172.7 | 1,353.1 | 1,553.4 | 1,555.7 | 1,369.9 | 1,055.1 | 963.2 | 673.3 | 12,609.5 |
| South Mesa Water Company | | | | | | | | | | | | | |
| Well 4 | 24.6 | 20.7 | 23.3 | 26.6 | 37.6 | 36.3 | 46.7 | 56.6 | 54.3 | 52.9 | 49.8 | 36.8 | 466.0 |
| Subtotal | 24.6 | 20.7 | 23.3 | 26.6 | 37.6 | 36.3 | 46.7 | 56.6 | 54.3 | 52.9 | 49.8 | 36.8 | 466.0 |
| Yucaipa Valley Water District | | | | | | | | | | | | | |
| Well 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 48 | 54.5 | 81.7 | 59.6 | 109.1 | 142.3 | 135.2 | 137.7 | 145.5 | 138.9 | 92.0 | 1.5 | 0.0 | 1,097.9 |
| I-10 Logistics | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.5 | 17.5 | 27.8 | 21.7 | 8.7 | 3.0 | 1.4 | 130.6 |
| Subtotal | 54.5 | 81.7 | 59.6 | 109.1 | 142.3 | 185.7 | 155.2 | 173.2 | 160.6 | 100.7 | 4.5 | 1.4 | 1,228.5 |
| Total | 950.8 | 901.4 | 936.7 | 1,338.3 | 1,672.4 | 1,927.7 | 2,221.6 | 2,227.4 | 1,993.6 | 1,550.5 | 1,342.1 | 909.6 | 17,972.1 |

(1) - All values rounded and subject to revision based on receipt of more accurate information
(2) - Pursuant to Part I, Paragraph 3B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster), A portion of the production from certain wells, operated by BCVWD and co-owned by the City of Banning and BCVWD, is delivered to the City of Banning at two connections, Sun Lakes and Highland Springs where flow meters are read.

**Table 3-1D
Appropriator Producer - Summary of Production for Calendar Year 2022 (ac-ft)**

| Owner & Well Name | Water Production by Appropriator (ac-ft) ⁽¹⁾ | | | | | | | | | | | | Total Production |
|--|---|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Banning, City of | | | | | | | | | | | | | |
| Well C2-A | 74.2 | 84.7 | 93.3 | 92.9 | 96.7 | 89.2 | 86.1 | 95.0 | 85.1 | 33.2 | 14.5 | 4.2 | 849.1 |
| Well C3 | 46.1 | 48.0 | 43.1 | 72.1 | 97.4 | 81.5 | 86.1 | 91.1 | 59.1 | 77.3 | 2.9 | 0.0 | 704.7 |
| Well C4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 102.5 | 121.7 | 110.1 | 120.6 | 71.9 | 109.4 | 636.7 |
| Well M3 | 34.9 | 46.8 | 52.5 | 67.2 | 70.2 | 64.4 | 24.0 | 1.9 | 2.3 | 5.9 | 11.7 | 3.3 | 385.1 |
| Well M9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| From BCVWD ⁽²⁾ | 79.0 | 71.6 | 77.8 | 81.2 | 89.4 | 90.8 | 93.1 | 94.8 | 87.8 | 87.7 | 83.0 | 82.1 | 1,018.2 |
| Subtotal | 234.1 | 251.0 | 266.7 | 313.5 | 353.6 | 326.3 | 391.9 | 404.5 | 344.5 | 324.7 | 183.9 | 199.0 | 3,593.7 |
| Beaumont Cherry Valley Water District | | | | | | | | | | | | | |
| Well 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 3 | 80.4 | 17.6 | 14.3 | 62.5 | 124.9 | 124.2 | 100.8 | 169.8 | 92.2 | 115.7 | 44.0 | 22.4 | 968.73 |
| Well 16 | 7.9 | 28.8 | 74.6 | 71.0 | 64.3 | 53.4 | 81.9 | 88.0 | 70.7 | 47.2 | 38.9 | 13.3 | 640.08 |
| Well 21 | 161.9 | 131.8 | 133.2 | 151.2 | 165.1 | 157.8 | 159.7 | 157.0 | 146.8 | 140.9 | 153.4 | 148.0 | 1,806.80 |
| Well 22 | 103.6 | 72.6 | 86.1 | 118.5 | 128.1 | 122.1 | 141.2 | 139.0 | 101.4 | 115.6 | 108.7 | 114.9 | 1,351.83 |
| Well 23 | 0.0 | 0.0 | 0.0 | 0.0 | 33.9 | 263.8 | 297.8 | 311.4 | 290.3 | 94.0 | 4.9 | 60.7 | 1,356.82 |
| Well 24 | 190.5 | 184.5 | 203.7 | 237.3 | 247.8 | 264.8 | 302.8 | 311.2 | 240.9 | 245.1 | 206.8 | 221.1 | 2,856.53 |
| Well 25 | 171.2 | 278.8 | 321.1 | 264.4 | 369.1 | 284.3 | 315.6 | 322.1 | 297.3 | 274.9 | 243.8 | 122.4 | 3,264.96 |
| Well 26 | 49.1 | 66.4 | 75.1 | 89.6 | 131.3 | 136.2 | 161.9 | 148.4 | 133.1 | 130.6 | 81.3 | 59.2 | 1,262.34 |
| Well 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.46 |
| To Banning ⁽²⁾ | -79.0 | -71.6 | -77.8 | -81.2 | -89.4 | -90.8 | -93.1 | -94.8 | -87.8 | -87.7 | -83.0 | -82.1 | -1,018.2 |
| Subtotal | 685.7 | 708.8 | 830.2 | 913.4 | 1,175.2 | 1,315.8 | 1,468.8 | 1,552.0 | 1,284.8 | 1,076.4 | 799.4 | 680.0 | 12,490.4 |
| South Mesa Water Company | | | | | | | | | | | | | |
| Well 4 | 35.3 | 35.6 | 41.9 | 45.1 | 55.0 | 60.6 | 68.7 | 63.0 | 55.7 | 52.0 | 34.1 | 27.8 | 574.7 |
| Subtotal | 35.3 | 35.6 | 41.9 | 45.1 | 55.0 | 60.6 | 68.7 | 63.0 | 55.7 | 52.0 | 34.1 | 27.8 | 574.7 |
| Yucaipa Valley Water District | | | | | | | | | | | | | |
| Well 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.3 | 86.0 | 91.2 | 78.2 | 104.0 | 152.4 | 99.9 | 682.9 |
| I-10 Logistics | 1.0 | 1.6 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| Subtotal | 1.0 | 1.6 | 1.0 | 0.0 | 0.0 | 71.3 | 86.0 | 91.2 | 78.2 | 104.0 | 152.4 | 99.9 | 686.5 |
| Total | 956.0 | 997.0 | 1,139.8 | 1,272.0 | 1,583.8 | 1,774.1 | 2,015.3 | 2,110.7 | 1,763.2 | 1,557.1 | 1,169.7 | 1,006.6 | 17,345.3 |

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

(2) - Pursuant to Part I, Paragraph 3B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster), a portion of the production from certain wells, operated by BCVWD and co-owned by the City of Banning and BCVWD, is delivered to the City of Banning at two connections, Sun Lakes and Highland Springs where flow meters are read.

Table 3-1E
Appropriator Producer - Summary of Production for Calendar Year 2023 (ac-ft)

| Owner & Well Name | Water Production by Appropriator (ac-ft) ⁽¹⁾ | | | | | | | | | | | | Total Production |
|--|---|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Banning, City of | | | | | | | | | | | | | |
| Well C2-A | 28.3 | 44.4 | 3.2 | 52.8 | 4.6 | 2.4 | 25.1 | 15.5 | 2.6 | 7.7 | 0.5 | 0.6 | 187.7 |
| Well C3 | 0.1 | 0.0 | 0.5 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 |
| Well C4 | 11.0 | 0.0 | 0.0 | 6.6 | 26.3 | 5.0 | 103.1 | 47.1 | 37.8 | 7.4 | 24.2 | 2.0 | 270.6 |
| Well M3 | 46.4 | 51.8 | 6.0 | 17.1 | 1.0 | 0.8 | 10.8 | 7.9 | 1.8 | 0.8 | 3.6 | 0.2 | 148.3 |
| Well M9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| From BCVWD ⁽²⁾ | 81.7 | 74.0 | 81.3 | 78.2 | 82.2 | 76.8 | 77.5 | 77.0 | 60.0 | 11.5 | 9.9 | 9.4 | 719.4 |
| Subtotal | 167.5 | 170.2 | 91.0 | 154.7 | 114.3 | 85.1 | 216.4 | 147.6 | 102.2 | 27.4 | 38.2 | 12.3 | 1,326.9 |
| Beaumont Cherry Valley Water District | | | | | | | | | | | | | |
| Well 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 3 | 2.0 | 6.4 | 1.1 | 2.6 | 73.6 | 120.4 | 111.2 | 102.8 | 64.8 | 0.0 | 0.0 | 0.7 | 485.63 |
| Well 16 | 0.9 | 0.8 | 24.1 | 14.7 | 37.6 | 29.4 | 77.7 | 47.8 | 60.9 | 31.2 | 1.7 | 23.0 | 349.61 |
| Well 21 | 137.3 | 69.5 | 62.1 | 97.9 | 142.5 | 155.8 | 156.2 | 148.0 | 122.9 | 81.0 | 0.0 | 0.0 | 1,173.24 |
| Well 22 | 24.9 | 37.8 | 0.7 | 96.5 | 115.2 | 145.0 | 134.1 | 125.3 | 105.0 | 79.8 | 83.8 | 70.6 | 1,018.68 |
| Well 23 | 18.8 | 195.8 | 141.3 | 161.9 | 234.2 | 239.6 | 259.0 | 231.2 | 225.4 | 239.5 | 165.4 | 207.2 | 2,319.43 |
| Well 24 | 225.1 | 82.1 | 100.6 | 219.5 | 218.7 | 226.4 | 307.4 | 249.3 | 180.2 | 211.0 | 193.5 | 184.1 | 2,397.98 |
| Well 25 | 143.3 | 156.8 | 167.7 | 68.3 | 77.1 | 12.8 | 305.6 | 345.0 | 308.9 | 212.6 | 261.3 | 128.1 | 2,187.47 |
| Well 26 | 11.6 | 12.5 | 1.7 | 54.8 | 121.8 | 139.4 | 145.2 | 134.9 | 93.0 | 137.5 | 89.6 | 58.7 | 1,000.65 |
| Well 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| To Banning ⁽²⁾ | -81.7 | -74.0 | -81.3 | -78.2 | -82.2 | -76.8 | -77.5 | -77.0 | -60.0 | -11.5 | -9.9 | -9.4 | -719.4 |
| Subtotal | 482.2 | 487.6 | 418.0 | 638.1 | 938.4 | 992.0 | 1,419.0 | 1,307.1 | 1,101.2 | 981.2 | 785.3 | 663.0 | 10,213.3 |
| South Mesa Water Company | | | | | | | | | | | | | |
| Well 4 | 5.9 | 16.2 | 21.0 | 24.5 | 22.7 | 26.6 | 36.3 | 32.1 | 33.9 | 22.5 | 17.4 | 18.3 | 277.3 |
| Subtotal | 5.9 | 16.2 | 21.0 | 24.5 | 22.7 | 26.6 | 36.3 | 32.1 | 33.9 | 22.5 | 17.4 | 18.3 | 277.3 |
| Yucaipa Valley Water District | | | | | | | | | | | | | |
| Well 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Well 48 | 65.9 | 50.3 | 69.6 | 120.7 | 120.0 | 31.7 | 0.0 | 67.3 | 74.9 | 135.7 | 80.5 | 75.1 | 891.7 |
| I-10 Logistics | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Subtotal | 65.9 | 50.3 | 69.6 | 120.7 | 120.0 | 31.7 | 0.0 | 67.3 | 74.9 | 135.7 | 80.5 | 75.1 | 891.7 |
| Total | 721.5 | 724.3 | 599.5 | 937.9 | 1,195.5 | 1,135.4 | 1,671.7 | 1,554.1 | 1,312.2 | 1,166.7 | 921.5 | 768.7 | 12,709.1 |

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

(2) - Pursuant to Part I, Paragraph 3B of the Judgment, and a separate Agreement (a copy of which is on file with the Watermaster), a portion of the production from certain wells, operated by BCVWD and co-owned by the City of Banning and BCVWD, is delivered to the City of Banning at two connections, Sun Lakes and Highland Springs where flow meters are read.

**Table 3-2A
Overlying Producer - Summary of Production for Calendar Year 2019 (ac-ft)**

| Owner and Well Name | Metered | Monthly Water Production by Overlying Producer ¹ | | | | | | | | | | | | Total ² Production | Overlying Water Right | Unused Overlying Allocation | | |
|---|---------|---|------------|------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|----------------------------------|-----------------------------|-----------------------------------|----------------|----------------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| Beckman, Walter M. ⁽³⁾ | Yes | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 58.1 | 57.2 |
| California Oak Valley Golf and Resort LLC ⁽⁴⁾ | | | | | | | | | | | | | | | | | | |
| Oak Valley #1 | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oak Valley #2 | Yes | 8.9 | 3.6 | 8.1 | 24.1 | 36.7 | 58.9 | 69.3 | 102.7 | 63.1 | 59.0 | 55.2 | 59.0 | 59.0 | 55.2 | 489.6 | 735.8 | 246.3 |
| Subtotal | | 8.9 | 3.6 | 8.1 | 24.1 | 36.7 | 58.9 | 69.3 | 102.7 | 63.1 | 59.0 | 55.2 | 59.0 | 59.0 | 55.2 | 489.6 | 735.8 | 246.3 |
| Merlin Properties | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.6 | 426.0 | 424.4 | | |
| Oak Valley Partners, LP ⁽⁵⁾ | | | | | | | | | | | | | | | | 2.5 | 1,334.9 | 1,332.4 |
| Plantation on the Lake LLC | Yes | 12.4 | 7.8 | 18.1 | 25.3 | 21.3 | 32.1 | 34.4 | 39.0 | 34.4 | 8.7 | 10.1 | 14.9 | 14.9 | 10.1 | 258.7 | 450.0 | 191.3 |
| Rancho Calimesa Mobile Home Park ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 1.5 | 1.6 | 1.2 | 1.4 | 1.6 | 1.9 | 2.8 | 3.2 | 3.3 | 3.1 | 2.6 | 2.4 | 2.4 | 2.6 | 26.7 | | |
| Well No.2 | No | 0.5 | 0.5 | 0.8 | 0.8 | 0.7 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.0 | 5.4 | | |
| Subtotal | | 2.0 | 2.1 | 2.0 | 2.2 | 2.3 | 3.4 | 2.8 | 3.2 | 3.3 | 3.1 | 2.6 | 3.0 | 3.0 | 2.6 | 32.1 | 116.2 | 84.1 |
| Roman Catholic Bishop of San Bernardino | | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.0 | 119.3 | 119.3 | | |
| Sharondale Mesa Owners Association ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 2.8 | 2.5 | 1.5 | 7.1 | 3.3 | 6.2 | 7.8 | 7.4 | 6.9 | 10.1 | 8.2 | 4.0 | 4.0 | 8.2 | 67.8 | | |
| Well No.2 | Yes | 2.2 | 1.7 | 1.8 | 1.0 | 2.6 | 3.9 | 4.5 | 3.7 | 5.2 | 1.8 | 0.0 | 2.0 | 2.0 | 0.0 | 30.4 | | |
| Subtotal | | 5.0 | 4.2 | 3.4 | 8.1 | 5.9 | 10.1 | 12.3 | 11.1 | 12.1 | 12.0 | 8.2 | 6.0 | 6.0 | 8.2 | 98.3 | 154.9 | 56.6 |
| Tukwet Canyon Golf Club ⁽⁷⁾ | | | | | | | | | | | | | | | | | | |
| Well A | Yes | 0.4 | 0.7 | 0.9 | 1.6 | 0.9 | 8.2 | 6.8 | 0.0 | 1.4 | 0.9 | 0.8 | 0.9 | 0.9 | 0.8 | 23.4 | | |
| Well C | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Well D | Yes | 9.8 | 0.1 | 1.7 | 85.7 | 29.4 | 103.2 | 169.2 | 155.5 | 128.1 | 104.1 | 64.5 | 4.2 | 4.2 | 64.5 | 855.5 | | |
| Subtotal | | 10.2 | 0.8 | 2.5 | 87.3 | 30.3 | 111.4 | 176.0 | 155.5 | 129.5 | 105.0 | 65.3 | 5.0 | 5.0 | 65.3 | 878.8 | 1,704.0 | 825.2 |
| Stearns, Leonard M. and Dorothy D. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.7 | 154.9 | 154.2 | | |
| Sunny-Cal Egg and Poultry Company | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 4.1 | 1,115.0 | 1,110.9 | | |
| Albor Properties III, LP | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 2.3 | 232.4 | 230.1 | | |
| Nikodimov, Nick | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.7 | 15.5 | 14.8 | | |
| McAmis, Ronald L. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.5 | 3.9 | 3.3 | | |
| Aidama, Nicolas and Amalia | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.8 | 5.4 | 4.6 | | |
| Gutierrez, Hector, et al. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.4 | 7.7 | 6.4 | | |
| Darmon, Boris and Miriam | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.4 | 1.9 | 1.6 | | |
| TOTAL | | | | | | | | | | | | | | | | 1,773.3 | 6,636.0 | 4,862.7 |

1.- All values rounded and subject to revision based on receipt of more accurate information in the future.

2.- Total production is estimated for Overlying parties with un-metered wells.

3.- Mr. Beckman has not provided production information since 2014.

4.- Monthly production provided by BCVWD.

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated through 2018. At the October 4, 2023 meeting, YVWD submitted revised documentation supporting Form 5s transfers of Overlying water rights from 2018 through 2022. For CY 2019, 63,96 ac-ft were transferred. This transfer reduced OVPs water rights to 1,334.91 ac-ft.

6.- Monthly production since 2011 provided by Cleanwater Solutions for Sharondale Mesa Owner Association and since 2014 for Rancho Calimesa Mobile Home Park.

7.- Monthly production provided by the Morongo Band of Mission Indians.

**Table 3-2B
Overlying Producer - Summary of Production for Calendar Year 2020 (ac-ft)**

| Owner and Well Name | Metered | Monthly Water Production by Overlying Producer ¹ | | | | | | | | | | | | Total ² Production | Overlying Water Right | Unused Overlying Allocation | | |
|---|---------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|----------------------------------|-----------------------------|-----------------------------------|----------------|----------------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| Beckman, Walter M. ⁽³⁾ | Yes | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 58.1 | 57.2 |
| California Oak Valley Golf and Resort LLC ⁽⁴⁾ | | | | | | | | | | | | | | | | | | |
| Oak Valley #1 | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 | | |
| Oak Valley #2 | Yes | 17.3 | 18.6 | 8.6 | 13.0 | 54.5 | 70.0 | 132.0 | 49.5 | 83.6 | 57.8 | 39.8 | 32.6 | 577.26 | | | | |
| Subtotal | | 17.3 | 18.6 | 8.6 | 13.0 | 54.5 | 70.0 | 132.0 | 49.5 | 83.6 | 57.8 | 39.8 | 32.6 | 577.28 | | | 735.8 | 158.6 |
| Merlin Properties | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.61 | 426.0 | 424.4 | | |
| Oak Valley Partners, LP ⁽⁵⁾ | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 1,204.1 | 1,204.1 |
| Plantation on the Lake LLC | Yes | 21.3 | 20.2 | 7.6 | 21.1 | 33.2 | 38.3 | 38.9 | 14.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 195.24 | 450.0 | 254.8 |
| Rancho Calimesa Mobile Home Park ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.6 | 3.2 | 2.6 | 2.0 | 2.1 | 2.1 | 17.68 | | | | |
| Well No.2 | No | 0.7 | 1.8 | 1.8 | 2.8 | 1.3 | 0.6 | 0.9 | 0.4 | 0.5 | 1.2 | 0.0 | 0.4 | 12.42 | | | | |
| Subtotal | | 1.9 | 1.8 | 1.8 | 2.8 | 1.3 | 2.5 | 3.4 | 3.5 | 3.2 | 3.2 | 2.2 | 2.6 | 30.10 | | | 116.2 | 86.1 |
| Roman Catholic Bishop of San Bernardino | | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.00 | 119.3 | 119.3 | | |
| Sharondale Mesa Owners Association ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 3.5 | 6.4 | 3.6 | 2.5 | 6.6 | 8.2 | 5.8 | 11.3 | 11.9 | 13.1 | 7.3 | 7.4 | 87.55 | | | | |
| Well No.2 | Yes | 3.5 | 1.9 | 1.7 | 2.3 | 4.5 | 4.4 | 4.3 | 5.3 | 0.7 | 0.0 | 5.3 | 4.5 | 38.27 | | | | |
| Subtotal | | 6.9 | 8.2 | 5.3 | 4.8 | 11.1 | 12.6 | 10.1 | 16.6 | 12.6 | 13.2 | 12.6 | 11.9 | 125.82 | | | 154.9 | 29.1 |
| Tukwet Canyon Golf Club ⁽⁷⁾ | | | | | | | | | | | | | | | | | | |
| Well A | Yes | 1.1 | 0.8 | 0.7 | 0.9 | 0.7 | 0.8 | 1.1 | 1.6 | 1.5 | 1.5 | 1.9 | 3.0 | 15.54 | | | | |
| Well C | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | | | | |
| Well D | Yes | 18.1 | 35.9 | 27.9 | 35.6 | 14.0 | 120.7 | 173.2 | 162.5 | 153.0 | 88.1 | 67.8 | 57.0 | 953.74 | | | | |
| Subtotal | | 19.1 | 36.6 | 28.6 | 36.4 | 14.7 | 121.5 | 174.3 | 164.2 | 154.5 | 89.6 | 69.7 | 60.0 | 969.28 | | | 1,704.0 | 734.8 |
| Stearns, Leonard M. and Dorothy D. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.70 | 154.9 | 154.2 | | |
| Sunny-Cal Egg and Poultry Company | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 4.29 | 1,115.0 | 1,110.7 | | |
| Albor Properties III, LP | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 2.40 | 232.4 | 230.0 | | |
| Nikodinov, Nick | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.76 | 15.5 | 14.7 | | |
| McAmis, Ronald L. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.55 | 3.9 | 3.3 | | |
| Aidama, Nicolas and Amalia | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.86 | 5.4 | 4.6 | | |
| Gutierrez, Hector, et al. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.42 | 7.7 | 6.3 | | |
| Darmon, Boris and Miriam | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.35 | 1.9 | 1.6 | | |
| TOTAL | | | | | | | | | | | | | | 1,911.52 | | | 6,505.2 | 4,593.7 |

1.- All values rounded and subject to revision based on receipt of more accurate information in the future.
2.- Total production is estimated for Overlying parties with un-metered wells.
3.- Mr. Beckman has not provided production information since 2014.
4.- California Oak Valley Golf and Resort monthly production provided by BCVWD.
5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated through 2018. At the October 4, 2023 meeting, YVWD submitted revised documentation supporting Form 5s transfers of Overlying water rights from Oak Valley Partners from 2018 through 2022. For CY 2020, 194.82 ac-ft were transferred. This transfer reduced OVP's water rights to 1,204.05 ac-ft.
6.- Monthly production since 2011 provided by Cleanwater Solutions for Sharondale Mesa Owner Association and since 2014 for Rancho Calimesa Mobile Home Park.
7.- Monthly production provided by the Morongo Band of Mission Indians.

Table 3-2C
Overlying Producer - Summary of Production for Calendar Year 2021 (ac-ft)

| Owner and Well Name | Metered | Monthly Water Production by Overlying Producer ¹ | | | | | | | | | | | | Total ² Production | Overlying Water Right | Unused Overlying Allocation | | |
|--|---------|---|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|----------------------------------|-----------------------------|-----------------------------------|----------------|----------------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| Beckman, Walter M. ⁽³⁾ | Yes | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 58.1 | 57.2 |
| California Oak Valley Golf and Resort LLC ⁽⁴⁾ | | | | | | | | | | | | | | | | | | |
| Oak Valley #1 | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oak Valley #2 | Yes | 20.7 | 18.7 | 16.0 | 37.4 | 7.0 | 49.6 | 98.0 | 98.0 | 65.5 | 43.0 | 48.6 | 22.6 | 525.0 | | | | |
| Subtotal | | 20.7 | 18.7 | 16.0 | 37.4 | 7.0 | 49.6 | 98.0 | 98.0 | 65.5 | 43.0 | 48.6 | 22.6 | 525.0 | | | 735.8 | 210.8 |
| Merlin Properties | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.6 | 426.0 | 424.4 | | |
| Oak Valley Partners, LP ⁽⁵⁾ | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,032.1 | 1,032.1 |
| Plantation on the Lake LLC | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 | 41.3 | 34.0 | 28.7 | 27.9 | 11.0 | 161.5 | | | 450.0 | 288.5 |
| Rancho Calimesa Mobile Home Park ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 1.3 | 1.8 | 1.6 | 2.5 | 2.2 | 2.3 | 0.0 | 0.0 | 1.1 | 1.4 | 2.0 | 1.8 | 18.1 | | | | |
| Well No.2 | No | 0.7 | 1.0 | 0.0 | 0.4 | 0.3 | 0.5 | 0.2 | 0.8 | 0.8 | 1.1 | 0.5 | 0.5 | 6.9 | | | | |
| Subtotal | | 2.0 | 2.7 | 1.6 | 2.9 | 2.6 | 2.9 | 0.2 | 0.8 | 1.9 | 2.5 | 2.5 | 2.3 | 25.0 | | | 116.2 | 91.2 |
| Roman Catholic Bishop of San Bernardino | | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.0 | 119.3 | 119.3 | | |
| Sharondale Mesa Owners Association ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 4.0 | 4.8 | 4.7 | 7.2 | 5.8 | 7.3 | 7.9 | 8.4 | 7.8 | 6.0 | 5.7 | 3.3 | 72.9 | | | | |
| Well No.2 | Yes | 3.3 | 3.7 | 4.0 | 5.0 | 4.2 | 5.3 | 5.1 | 5.1 | 5.0 | 4.4 | 4.2 | 2.6 | 51.8 | | | | |
| Subtotal | | 7.3 | 8.5 | 8.7 | 12.2 | 9.9 | 12.6 | 13.0 | 13.5 | 12.8 | 10.4 | 9.9 | 5.9 | 124.7 | | | 154.9 | 30.2 |
| Tukwet Canyon Golf Club ⁽⁷⁾ | | | | | | | | | | | | | | | | | | |
| Well A | Yes | 2.3 | 1.3 | 1.8 | 2.2 | 2.2 | 1.4 | 1.6 | 5.2 | 2.3 | 1.7 | 1.9 | 1.7 | 25.7 | | | | |
| Well C | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Well D | Yes | 27.3 | 26.7 | 39.2 | 98.8 | 130.9 | 158.7 | 151.7 | 153.6 | 122.7 | 71.2 | 86.1 | 23.9 | 1,090.8 | | | | |
| Subtotal | | 29.5 | 28.1 | 41.1 | 101.0 | 133.1 | 160.2 | 153.3 | 159.7 | 125.1 | 72.8 | 88.0 | 25.5 | 1,116.5 | | | 1,704.0 | 587.6 |
| Stearns, Leonard M. and Dorothy D. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.7 | 154.9 | 154.2 | | |
| Sunny-Cal Egg and Poultry Company | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 4.3 | 1,115.0 | 1,110.7 | | |
| Albor Properties III, LP | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 2.4 | 232.4 | 230.0 | | |
| Nikodinov, Nick | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.8 | 15.5 | 14.7 | | |
| McAmis, Ronald L. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.6 | 3.9 | 3.3 | | |
| Aidama, Nicolas and Amalia | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.9 | 5.4 | 4.6 | | |
| Gutierrez, Hector, et al. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.4 | 7.7 | 6.3 | | |
| Darmon, Boris and Miriam | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.4 | 1.9 | 1.6 | | |
| TOTAL | | | | | | | | | | | | | | 1,966.4 | | | 6,333.2 | 4,366.9 |

1.- All values rounded and subject to revision based on receipt of more accurate information in the future.
2.- Total production is estimated for Overlying parties with un-metered wells.
3.- Mr. Beckman has not provided production information since 2014.
4.- California Oak Valley Golf and Resort monthly production provided by BCVWD through August 2021. Production for Sep to Dec was not available and was estimated as 34.22 percent of total based on 2017-20 records. This number is slightly lower than the one presented in the 2021 annual report when a 35 percent of total was used for these four months.
5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated through 2018. At the October 4, 2023 meeting, YVWD submitted revised documentation supporting Form 5s transfers of Overlying water rights from Oak Valley Partners from 2018 through 2022. For CY 2021, 366.77 ac-ft were transferred. This transfer reduced OVPs water rights to 1,032.10 ac-ft.
6.- Monthly production since 2011 provided by Clearwater Solutions for Sharondale Mesa Owner Association and since 2014 for Rancho Calimesa Mobile Home Park.
7.- Monthly production provided by the Morongo Band of Mission Indians.

Table 3-2D
Overlying Producer - Summary of Production for Calendar Year 2022 (ac-ft)

| Owner and Well Name | Metered | Monthly Water Production by Overlying Producer ¹ | | | | | | | | | | | | Total ² Production | Overlying Water Right | Unused Overlying Allocation | | |
|---|---------|---|-------------|-------------|-------------|--------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------------------------|-----------------------|-----------------------------|----------------|----------------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| Beckman, Walter M. ⁽³⁾ | Yes | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 58.1 | 57.2 |
| California Oak Valley Golf and Resort LLC ⁽⁴⁾ | | | | | | | | | | | | | | | | | | |
| Oak Valley #1 | Yes | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 68.6 | 63.3 | 53.4 | 33.3 | 14.3 | | | 232.94 | | |
| Oak Valley #2 | Yes | 8.3 | 21.5 | 29.5 | 49.8 | 49.5 | 95.1 | 76.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 330.50 | | |
| Subtotal | | 8.3 | 21.5 | 29.5 | 49.9 | 49.5 | 95.1 | 76.7 | 68.6 | 63.3 | 53.4 | 33.3 | 14.3 | | | 563.44 | 735.8 | 172.4 |
| Merlin Properties | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.63 | 426.0 | 424.4 | | |
| Oak Valley Partners, LP ⁽⁵⁾ | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 920.6 | 920.6 |
| Plantation on the Lake LLC | Yes | 20.7 | 18.7 | 26.7 | 24.8 | 27.1 | 35.6 | 39.6 | 37.6 | 32.8 | 41.4 | 18.1 | 12.9 | | | 335.86 | 450.0 | 114.2 |
| Rancho Calimesa Mobile Home Park ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 1.8 | 1.9 | 1.9 | 1.9 | 2.2 | 2.2 | 2.5 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | 17.66 | | |
| Well No.2 | No | 0.4 | 0.3 | 0.6 | 0.6 | 0.7 | 0.6 | 0.7 | 0.6 | 2.1 | 2.3 | 2.3 | 2.6 | | | 13.73 | | |
| Subtotal | | 2.3 | 2.3 | 2.5 | 2.5 | 2.9 | 2.8 | 3.1 | 3.8 | 2.1 | 2.3 | 2.3 | 2.6 | | | 31.40 | 116.2 | 84.8 |
| Roman Catholic Bishop of San Bernardino | | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.00 | 119.3 | 119.3 | | |
| Sharondale Mesa Owners Association ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 2.7 | 3.5 | 4.5 | 4.8 | 6.7 | 5.6 | 8.4 | 7.6 | 7.5 | 5.2 | 4.3 | 3.1 | | | 64.02 | | |
| Well No.2 | Yes | 2.5 | 3.3 | 4.0 | 3.9 | 5.2 | 5.9 | 3.7 | 5.3 | 5.1 | 4.5 | 3.5 | 2.8 | | | 49.58 | | |
| Subtotal | | 5.2 | 6.8 | 8.5 | 8.8 | 11.9 | 11.5 | 12.1 | 12.8 | 12.6 | 9.7 | 7.8 | 5.9 | | | 113.61 | 154.9 | 41.3 |
| Tukwet Canyon Golf Club ⁽⁷⁾ | | | | | | | | | | | | | | | | | | |
| Well A | Yes | 1.8 | 1.4 | 1.4 | 1.6 | 0.9 | 2.1 | 19.7 | 1.6 | 1.5 | 2.3 | 1.6 | 1.5 | | | 37.38 | | |
| Well C | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.00 | | |
| Well D | Yes | 44.3 | 49.1 | 62.5 | 88.1 | 128.4 | 157.0 | 46.1 | 188.7 | 137.6 | 76.7 | 38.4 | 22.0 | | | 1,038.92 | | |
| Subtotal | | 46.1 | 50.5 | 63.9 | 89.7 | 129.3 | 159.1 | 65.8 | 190.3 | 139.1 | 79.0 | 40.0 | 23.5 | | | 1,076.30 | 1,704.0 | 627.7 |
| Stearns, Leonard M. and Dorothy D. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.70 | 154.9 | 154.2 | | |
| Sunny-Cal Egg and Poultry Company | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 4.39 | 1,115.0 | 1,110.6 | | |
| Albor Properties III, LP | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 2.46 | 232.4 | 229.9 | | |
| Nikodinov, Nick | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.77 | 15.5 | 14.7 | | |
| McAmis, Ronald L. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.56 | 3.9 | 3.3 | | |
| Aidama, Nicolas and Amalia | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.88 | 5.4 | 4.5 | | |
| Gutierrez, Hector, et al. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.44 | 7.7 | 6.3 | | |
| Darmont, Boris and Miriam | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.35 | 1.9 | 1.6 | | |
| TOTAL | | | | | | | | | | | | | | | | 2,134.64 | 6,221.8 | 4,087.1 |

1.- All values rounded and subject to revision based on receipt of more accurate information in the future.

2.- Total production is estimated for Overlying parties with un-metered wells.

3.- Mr. Beckman has not provided production information since 2014.

4.- California Oak Valley Golf and Resort monthly production provided by BCVWD.

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated through 2018. At the October 4, 2023 meeting, YVWD submitted revised documentation supporting Form 55 transfers of Overlying water rights from Oak Valley Partners from 2018 through 2022. For CY 2022, 478.25 ac-ft were transferred. This transfer reduced OVP's water rights to 920.62 ac-ft.

6.- Monthly production since 2011 provided by Cleanwater Solutions for Sharondale Mesa Owner Association and since 2014 for Rancho Calimesa Mobile Home Park.

7.- Monthly production provided by the Morongo Band of Mission Indians.

**Table 3-2E
Overlying Producer - Summary of Production for Calendar Year 2023 (ac-ft)**

| Owner and Well Name | Metered | Monthly Water Production by Overlying Producer ¹ | | | | | | | | | | | | Total ² Production | Overlying Water Right | Unused Overlying Allocation | | |
|---|---------|---|-------------|------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|----------------------------------|-----------------------------|-----------------------------------|----------------|----------------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| Beckman, Walter M. ⁽³⁾ | Yes | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | 58.1 | 57.2 |
| California Oak Valley Golf and Resort LLC ⁽⁴⁾ | | | | | | | | | | | | | | | | | | |
| Oak Valley #1 | Yes | 0.0 | 1.4 | 0.7 | 2.9 | 5.4 | 5.8 | 9.1 | 4.5 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.38 | | |
| Oak Valley #2 | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.3 | 71.2 | 39.4 | 10.6 | | | 174.56 | | |
| Subtotal | | 0.0 | 1.4 | 0.7 | 2.9 | 5.4 | 5.8 | 9.1 | 4.5 | 58.8 | 71.2 | 39.4 | 10.6 | | | 209.94 | 735.8 | 525.9 |
| Merlin Properties | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.63 | 426.0 | 424.4 | | |
| Oak Valley Partners, LP ⁽⁵⁾ | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 920.6 | 920.6 |
| Plantation on the Lake LLC | Yes | 12.9 | 13.2 | 12.1 | 21.5 | 26.4 | 35.2 | 33.0 | 38.8 | 23.5 | 29.7 | 21.9 | 20.5 | | | 288.83 | 450.0 | 161.2 |
| Rancho Calimesa Mobile Home Park ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | | | |
| Well No.2 | No | 2.1 | 2.2 | 2.0 | 2.1 | 2.5 | 2.6 | 2.4 | 4.3 | 0.8 | 3.0 | 2.7 | 2.1 | | | 28.79 | | |
| Subtotal | | 2.1 | 2.2 | 2.0 | 2.1 | 2.5 | 2.6 | 2.4 | 4.3 | 0.8 | 3.0 | 2.7 | 2.1 | | | 28.79 | 116.2 | 87.4 |
| Roman Catholic Bishop of San Bernardino | | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.00 | 119.3 | 119.3 | | |
| Sharondale Mesa Owners Association ⁽⁶⁾ | | | | | | | | | | | | | | | | | | |
| Well No.1 | Yes | 0.5 | 0.1 | 1.4 | 2.0 | 4.7 | 6.2 | 6.2 | 6.6 | 6.1 | 6.7 | 7.6 | 2.5 | | | 50.47 | | |
| Well No.2 | Yes | 2.7 | 5.1 | 1.4 | 4.2 | 4.2 | 4.5 | 4.7 | 4.9 | 4.3 | 3.9 | 0.2 | 2.4 | | | 42.32 | | |
| Subtotal | | 3.1 | 5.2 | 2.7 | 6.2 | 8.9 | 10.7 | 10.9 | 11.4 | 10.4 | 10.5 | 7.8 | 4.8 | | | 92.78 | 154.9 | 62.1 |
| Tukwet Canyon Golf Club ⁽⁷⁾ | | | | | | | | | | | | | | | | | | |
| Well A | Yes | 1.7 | 1.7 | 2.0 | 1.8 | 2.1 | 2.0 | 0.6 | 1.1 | 0.9 | 2.0 | 0.4 | 0.5 | | | 16.99 | | |
| Well C | Yes | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.00 | | |
| Well D | Yes | 11.8 | 26.9 | 0.1 | 56.5 | 101.7 | 99.2 | 169.1 | 115.0 | 96.4 | 86.4 | 65.4 | 37.7 | | | 866.13 | | |
| Subtotal | | 13.5 | 28.6 | 2.1 | 58.4 | 103.8 | 101.2 | 169.7 | 116.1 | 97.4 | 88.4 | 65.8 | 38.2 | | | 883.12 | 1,704.0 | 820.9 |
| Stearns, Leonard M. and Dorothy D. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.70 | 154.9 | 154.2 | | |
| Sunny-Cal Egg and Poultry Company | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 4.39 | 1,115.0 | 1,110.6 | | |
| Albor Properties III, LP | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 2.46 | 232.4 | 229.9 | | |
| Nikodinov, Nick | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.77 | 15.5 | 14.7 | | |
| McAmis, Ronald L. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.56 | 3.9 | 3.3 | | |
| Aidama, Nicolas and Amalia | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.88 | 5.4 | 4.5 | | |
| Gutierrez, Hector, et al. | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 1.44 | 7.7 | 6.3 | | |
| Darmon, Boris and Miriam | No | Water Duty Method Used to Estimate Annual Production | | | | | | | | | | | | 0.35 | 1.9 | 1.6 | | |
| TOTAL | | | | | | | | | | | | | | | | 1,517.50 | 6,221.8 | 4,704.2 |

1.- All values rounded and subject to revision based on receipt of more accurate information in the future.
2.- Total production is estimated for Overlying parties with un-metered wells.
3.- Mr. Beckman has not provided production information since 2014.
4.- California Oak Valley Golf and Resort monthly production provided by BCVWD.
5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated through 2018. At the October 4, 2023 meeting, YVWD submitted revised documentation supporting Form 55 transfers of Overlying water rights from Oak Valley Partners from 2018 through 2022. For CY 2023, the same amount used in CY 2022 of 478.25 ac-ft was used. This reduced OVPs water rights to 920.62 ac-ft.
6.- Monthly production since 2011 provided by Cleanwater Solutions for Sharondale Mesa Owner Association and since 2014 for Rancho Calimesa Mobile Home Park.
7.- Monthly production provided by the Morongo Band of Mission Indians.

Table 3-3

Production Summary for Appropriator and Overlying Producers in the Beaumont Basin
2014 through 2023 - Calendar Year Accounting (ac-ft)

| | Annual Production (ac-ft) | | | | | | | | | |
|---|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Appropriator Parties | | | | | | | | | | |
| Banning, City of | 2,585 | 1,678 | 1,473 | 1,443 | 2,261 | 2,121 | 2,549 | 3,668 | 3,594 | 1,327 |
| Beaumont-Cherry Valley Water District | 10,806 | 8,973 | 10,160 | 11,651 | 12,209 | 11,141 | 12,539 | 12,610 | 12,490 | 10,213 |
| South Mesa Water Company | 474 | 317 | 353 | 368 | 365 | 331 | 229 | 466 | 575 | 277 |
| Yucaipa Valley Water District | 1,198 | 119 | 5 | 0 | 191 | 529 | 1,408 | 1,228 | 687 | 892 |
| Subtotal | 15,063 | 11,087 | 11,990 | 13,462 | 15,026 | 14,121 | 16,725 | 17,972 | 17,345 | 12,709 |
| Overlying Parties | | | | | | | | | | |
| Beckman, Walter M | 0.9 | 0.86 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| California Oak Valley Golf and Resort LLC | 417.0 | 751.15 | 552.3 | 830.0 | 573.1 | 489.6 | 577.3 | 525.0 | 563.4 | 209.9 |
| Merlin Properties | 1.6 | 1.61 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| Oak Valley Partners, LP | 2.5 | 2.50 | 2.5 | 2.5 | 2.5 | 2.5 | - | - | - | - |
| Plantation on the Lake LLC | 403.8 | 302.11 | 293.4 | 417.8 | 471.2 | 258.7 | 195.2 | 161.5 | 335.9 | 288.8 |
| Rancho Calimesa Mobile Home Park | 16.2 | 23.44 | 31.2 | 31.2 | 32.7 | 32.1 | 30.1 | 25.0 | 31.4 | 28.8 |
| Roman Catholic Bishop of San Bernardino | - | - | - | - | - | - | - | - | - | - |
| Sharondale Mesa Owners Association | 137.3 | 94.11 | 84.8 | 117.9 | 116.4 | 98.3 | 125.8 | 124.7 | 113.6 | 92.8 |
| Tukwet Canyon Golf Club ¹ | 1,227.9 | 898.60 | 958.6 | 991.4 | 1,010.9 | 878.8 | 969.3 | 1,116.5 | 1,076.3 | 883.1 |
| Stearns, Leonard M. and Dorothy D. | 0.7 | 0.70 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| Sunny-Cal Egg and Poultry Company | 4.4 | 4.24 | 4.2 | 4.0 | 4.2 | 4.1 | 4.3 | 4.3 | 4.4 | 4.4 |
| Albor Properties III, LP ² | 2.5 | 2.37 | 2.3 | 2.2 | 2.3 | 2.3 | 2.4 | 2.4 | 2.5 | 2.5 |
| Nikodinov, Nick | 0.8 | 0.75 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| McAmis, Ronald L. | 0.6 | 0.55 | 0.5 | 0.5 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| Aldama, Nicolas and Amalia | 0.9 | 0.86 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 |
| Gutierrez, Hector, et. al. | 1.4 | 1.41 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Darmont, Boris and Miriam | 0.4 | 0.35 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Subtotal | 2,219.0 | 2,085.6 | 1,936.4 | 2,403.9 | 2,220.3 | 1,773.3 | 1,911.5 | 1,966.4 | 2,134.6 | 1,517.5 |
| Total | 17,281.7 | 13,173.0 | 13,926.1 | 15,866.3 | 17,246.4 | 15,894.8 | 18,636.2 | 19,938.5 | 19,479.9 | 14,226.6 |

**Table 3-4
Annual Supplemental Recharge to the Beaumont Basin - Calendar Years 2003-2023**

| Year | Supplemental Recharge (ac-ft) | | | | | Total |
|---------------|-------------------------------|----------|--------------------|--------------|--------------------|------------------|
| | Banning ¹ | Beaumont | BCVWD ¹ | YVWD | SGPWA ² | |
| 2003 | - | - | - | - | - | - |
| 2004 | - | - | - | - | 813.8 | 813.8 |
| 2005 | - | - | - | - | 687.4 | 687.4 |
| 2006 | - | - | - | - | 777.7 | 4,278.7 |
| 2007 | - | - | 3,501.0 | - | 541.3 | 5,042.3 |
| 2008 | 1,534.0 | - | 4,501.0 | - | 1,047.4 | 4,980.4 |
| 2009 | 2,741.2 | - | 2,399.0 | - | 823.4 | 6,305.8 |
| 2010 | 1,338.0 | - | 2,741.2 | - | 1,222.3 | 8,287.3 |
| 2011 | 800.0 | - | 5,727.0 | - | 1,842.0 | 10,621.0 |
| 2012 | 1,200.0 | - | 7,979.0 | - | 1,827.2 | 10,810.2 |
| 2013 | 1,200.0 | - | 7,783.0 | - | 881.8 | 9,484.8 |
| 2014 | 608.0 | - | 7,403.0 | - | 16.5 | 5,029.5 |
| 2015 | 694.0 | - | 4,405.0 | - | 9.2 | 3,476.2 |
| 2016 | 1,477.0 | - | 2,773.0 | - | 17.8 | 10,813.8 |
| 2017 | 1,350.0 | - | 9,319.0 | - | - | 14,940.0 |
| 2018 | 500.0 | - | 13,590.0 | - | - | 12,621.0 |
| 2019 | 250.0 | - | 12,121.0 | - | 257.8 | 14,152.8 |
| 2020 | 250.0 | - | 13,645.0 | - | 214.0 | 11,469.0 |
| 2021 | - | - | 11,005.0 | - | 36.0 | 2,504.0 |
| 2022 | 35.0 | - | 2,468.0 | - | 0.6 | 1,811.6 |
| 2023 | 1,000.0 | - | 1,776.0 | 500.0 | 893.0 | 20,393.0 |
| Totals | 14,977.2 | - | 131,136.2 | 500.0 | 11,909.2 | 158,522.6 |

1.- SWP water recharged in the BCVWD Noble Creek Recharge Facility

2.- Through 2018, the SGPWA recharged imported water at the Little San Geronio Creek Spreading Ponds, located just to the north of the basin boundary. Starting in 2019, the SGPWA has the ability to recharge at their new spreading basins located at the southwest corner of Beaumont Blvd. and Brookside Ave. Imported water recharged at this location will be credited to the agency in their storage account.

Table 3-5

City of Beaumont Wastewater Treatment Plant - Monthly Discharges 2007-2023

Treated Wastewater Daily Average Discharges (mgd) to DDP1 - Cooper's Creek

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Average (mgd) | Annual (ac-ft) |
|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|----------------|
| 2007 | 2.32 | 2.17 | 2.25 | 2.23 | 2.61 | 2.57 | 2.57 | 2.66 | 2.66 | 2.67 | 2.63 | 2.50 | 2.49 | 2,789 |
| 2008 | 2.44 | 2.79 | 2.49 | 2.65 | 2.55 | 2.59 | 2.55 | 2.59 | 2.60 | 2.50 | 2.57 | 2.65 | 2.58 | 2,896 |
| 2009 | 2.52 | 2.66 | 2.56 | 2.58 | 2.59 | 2.56 | 2.44 | 2.63 | 2.60 | 2.61 | 2.63 | 2.69 | 2.59 | 2,901 |
| 2010 | 2.83 | 2.65 | 2.66 | 2.60 | 2.00 | 1.88 | 1.94 | 1.96 | 1.94 | 2.00 | 2.04 | 2.22 | 2.22 | 2,492 |
| 2011 | 2.07 | 2.12 | 2.06 | 2.01 | 2.04 | 2.25 | 2.23 | 2.13 | 2.10 | 2.08 | 2.19 | 2.13 | 2.12 | 2,371 |
| 2012 | 2.19 | 2.64 | 2.19 | 2.23 | 2.29 | 2.24 | 2.28 | 2.29 | 2.24 | 2.70 | 2.38 | 2.33 | 2.33 | 2,620 |
| 2013 | 2.76 | 2.80 | 2.80 | 2.81 | 2.78 | 2.78 | 2.81 | 2.82 | 2.89 | 2.83 | 2.21 | 2.50 | 2.73 | 3,061 |
| 2014 | 2.62 | 2.22 | 2.45 | 2.48 | 2.61 | 2.62 | 2.61 | 2.74 | 2.87 | 2.74 | 2.99 | 3.12 | 2.67 | 2,995 |
| 2015 | 2.87 | 2.94 | 2.97 | 2.90 | 2.92 | 2.98 | 2.99 | 3.10 | 3.08 | 3.08 | 3.06 | 3.11 | 3.00 | 3,361 |
| 2016 | 3.15 | 3.06 | 3.01 | 3.07 | 3.11 | 3.15 | 3.15 | 3.26 | 3.22 | 3.18 | 3.19 | 3.30 | 3.15 | 3,543 |
| 2017 | 3.36 | 3.26 | 3.17 | 3.35 | 3.22 | 3.18 | 3.21 | 3.31 | 3.32 | 3.26 | 3.29 | 3.31 | 3.27 | 3,663 |
| 2018 | 3.37 | 3.28 | 3.33 | 3.32 | 3.30 | 3.31 | 3.41 | 3.51 | 3.47 | 3.42 | 3.51 | 3.47 | 3.39 | 3,800 |
| 2019 | 3.61 | 3.61 | 3.64 | 3.66 | 3.69 | 3.61 | 3.59 | 3.72 | 3.80 | 3.64 | 3.77 | 3.72 | 3.67 | 4,112 |
| 2020 | 3.73 | 3.75 | 3.92 | 4.02 | 3.82 | 3.81 | 3.81 | 4.09 | 4.05 | 3.88 | 3.66 | 3.46 | 3.83 | 4,305 |
| 2021 | 3.51 | 3.44 | 3.70 | 3.60 | 3.97 | 4.55 | 3.50 | 3.65 | 3.61 | 3.60 | 3.57 | 3.72 | 3.70 | 4,148 |
| 2022 | 3.61 | 3.62 | 3.62 | 3.56 | 3.54 | 3.65 | 3.55 | 3.66 | 3.68 | 3.28 | 3.23 | 3.17 | 3.51 | 3,936 |
| 2023 | 3.40 | 3.22 | 3.52 | 3.24 | 3.32 | 3.36 | 3.36 | 3.53 | 3.47 | 3.37 | 3.39 | 3.41 | 3.38 | 3,790 |

Treated Wastewater Daily Average Discharges (mgd) to DDP7 - Marshalls Creek

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Average (mgd) | Annual (ac-ft) |
|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|----------------|
| 2010 | 0.00 | 0.00 | 0.82 | 0.67 | 0.57 | 0.62 | 0.70 | 0.69 | 0.69 | 0.70 | 0.67 | 0.65 | 0.57 | 530 |
| 2011 | 0.66 | 0.63 | 0.63 | 0.63 | 0.58 | 0.45 | 0.52 | 0.63 | 0.64 | 0.60 | 0.55 | 0.54 | 0.59 | 660 |
| 2012 | 0.54 | 0.54 | 0.52 | 0.47 | 0.45 | 0.45 | 0.45 | 0.49 | 0.50 | 0.47 | 0.41 | 0.53 | 0.49 | 546 |
| 2013 | 0.48 | 0.52 | 0.45 | 0.43 | 0.25 | 0.44 | 0.52 | 0.61 | 0.33 | 0.69 | 0.57 | 0.41 | 0.47 | 530 |
| 2014 | 0.21 | 0.65 | 0.61 | 0.66 | 0.61 | 0.42 | 0.49 | 0.35 | 0.21 | 0.24 | 0.02 | 0.02 | 0.37 | 416 |
| 2015 | 0.24 | 0.20 | 0.31 | 0.31 | 0.22 | 0.38 | 0.37 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 212 |

**Table 3-6
Overlying Parties Production Rights Allocation Based on Revised Safe Yield**

| Overlying Party to the 2003 Judgment | Initial Overlying Water Right through 2013 | New Overlying Water Right Starting in 2014 | 5-Year (2019-23) Average Production (ac-ft) | 5-Year (2018-22) Running Avg % of Water Right |
|--|--|--|---|---|
| Sharondale Mesa Owners Association | 200.0 | 154.91 | 111.0 | 71.7% |
| California Oak Valley Golf and Resort LLC ⁽¹⁾ | 950.0 | 735.84 | 473.0 | 64.3% |
| Plantation on the Lake LLC | 581.0 | 450.02 | 248.0 | 55.1% |
| Tukwet Canyon Golf Club | 2,200.0 | 1,704.05 | 984.8 | 57.8% |
| Rancho Calimesa Mobile Home Park | 150.0 | 116.18 | 29.5 | 25.4% |
| Gutierrez, Hector, et al. | 10.0 | 7.75 | 1.4 | 18.3% |
| Darmon, Boris and Miriam | 2.5 | 1.94 | 0.4 | 18.1% |
| Aldama, Nicolas and Amalia | 7.0 | 5.42 | 0.9 | 15.9% |
| McAmis, Ronald L. | 5.0 | 3.87 | 0.6 | 14.3% |
| Nikodinov, Nick | 20.0 | 15.49 | 0.8 | 4.9% |
| Beckman, Walter M. | 75.0 | 58.09 | 0.9 | 1.5% |
| Albor Properties III, LP | 300.0 | 232.37 | 2.4 | 1.0% |
| Stearns, Leonard M. and Dorothy D. | 200.0 | 154.91 | 0.7 | 0.5% |
| Sunny-Cal Egg and Poultry Company | 1,439.5 | 1,114.99 | 4.3 | 0.4% |
| Merlin Properties | 550.0 | 426.01 | 1.6 | 0.4% |
| Oak Valley Partners, LP ⁽²⁾ | 1,806.0 | 1,398.87 | 0.5 | 0.0% |
| Roman Catholic Bishop of San Bernardino | 154.0 | 119.28 | 0.0 | 0.0% |
| | 8,650.0 | 6,700.0 | 1,860.7 | 27.8% |

(1) - California Oak Valley Golf and Resort LLC exceeded its annual production right in 2017; however, their average five-year production over any five-year period has been below their overlying water right.

(2) - Under Resolution 17-02, adopted August 30, 2017, Oak Valley Partners LP (OVP) agreed to transfer its Overlying water rights to particular development parcels, intending to secure commitment from YVWD to provide water service to development phases of OVP's Summerwind Ranch Specific Plan (Project) located in the Beaumont Basin. As of the end of CY 2023, OVP has transferred 478.25 ac-ft of water rights to YVWD resulting in a reduction of OVP's rights to 920.62 ac-ft.

**Table 3-7
Summary of Unused Overlying Water and Allocation to Appropriators (ac-ft)**

| Accounting Year | Overlying Water Right | Overlying Production | Unused Overlying Water Right | Allocation Year | City of Banning | City of Beaumont | Beaumont Cherry Valley WD | South Mesa Water Co. | Yucaipa Valley Water District | Total |
|-------------------|-----------------------|----------------------|------------------------------|-----------------|-----------------|------------------|---------------------------|----------------------|-------------------------------|-------|
| 2003 | 4,325 | 2,441 | 1,884 | 2008 | 592 | 0 | 801 | 235 | 256 | 1,884 |
| 2004 | 8,650 | 3,576 | 5,074 | 2009 | 1,595 | 0 | 2,157 | 633 | 689 | 5,074 |
| 2005 | 8,650 | 3,293 | 5,357 | 2010 | 1,684 | 0 | 2,277 | 669 | 728 | 5,357 |
| 2006 | 8,650 | 3,597 | 5,053 | 2011 | 1,588 | 0 | 2,148 | 631 | 686 | 5,053 |
| 2007 | 8,650 | 3,307 | 5,343 | 2012 | 1,679 | 0 | 2,272 | 667 | 726 | 5,343 |
| 2008 | 8,650 | 2,872 | 5,778 | 2013 | 1,816 | 0 | 2,456 | 721 | 785 | 5,778 |
| 2009 | 8,650 | 2,838 | 5,812 | 2014 | 1,827 | 0 | 2,471 | 725 | 789 | 5,812 |
| 2010 | 8,650 | 1,976 | 6,674 | 2015 | 2,097 | 0 | 2,837 | 833 | 906 | 6,674 |
| 2011 | 8,650 | 1,971 | 6,679 | 2016 | 2,099 | 0 | 2,839 | 833 | 907 | 6,679 |
| 2012 | 8,650 | 2,085 | 6,565 | 2017 | 2,063 | 0 | 2,791 | 819 | 891 | 6,565 |
| 2013 | 8,650 | 2,285 | 6,365 | 2018 | 2,001 | 0 | 2,706 | 794 | 864 | 6,365 |
| 2014 | 6,700 | 2,219 | 4,481 | 2019 | 1,408 | 0 | 1,905 | 559 | 609 | 4,481 |
| 2015 | 6,700 | 2,086 | 4,614 | 2020 | 1,450 | 0 | 1,962 | 576 | 627 | 4,614 |
| 2016 | 6,700 | 1,936 | 4,764 | 2021 | 1,497 | 0 | 2,025 | 595 | 647 | 4,764 |
| 2017 | 6,700 | 2,404 | 4,296 | 2022 | 1,350 | 0 | 1,826 | 536 | 583 | 4,296 |
| 2018 ¹ | 6,700 | 2,220 | 4,480 | 2023 | 1,408 | 0 | 1,904 | 559 | 608 | 4,480 |
| 2019 | 6,636 | 1,773 | 4,863 | 2024 | 1,528 | 0 | 2,067 | 607 | 660 | 4,863 |
| 2020 | 6,505 | 1,912 | 4,594 | 2025 | 1,444 | 0 | 1,953 | 573 | 624 | 4,594 |
| 2021 | 6,333 | 1,966 | 4,367 | 2026 | 1,373 | 0 | 1,856 | 545 | 593 | 4,367 |
| 2022 | 6,222 | 2,135 | 4,087 | 2027 | 1,285 | 0 | 1,737 | 510 | 555 | 4,087 |
| 2023 | 6,222 | 1,518 | 4,704 | 2028 | 1,479 | 0 | 2,000 | 587 | 639 | 4,704 |

1.- At the October 4, 2023, YVWD submitted revised documentation supporting Form 5s transfers of Overlying water rights from Oak Valley Partners from 2018 through 2022 as follows: a) 2018, 0.11 ac-ft b) 2019, 63.96 ac-ft, c) 2020, 194.82 ac-ft, d) 2021, 366.77 ac-ft, and e) 2022, 478.25 ac-ft. Transfers for CY 2023 remain at the CY 2022 level since YVWD has not documented increasing delivery volumes. As a result, cumulative Overlying water rights have decreased by the listed quantities.

**Table 3-8
Appropriator's Production Right**

| Calendar Year | Operating Yield | | Water Acquired | | | New Yield | | Water From Storage | Appropriator's Production Right |
|------------------------|-------------------------|---------------------------|--|--|-------------------------------|----------------------------------|---------|--------------------|---------------------------------|
| | Temporary Surplus Water | Appropriative Water Right | Transfer of Overlying Water Rights to Appropriator | Transfers Between Appropriators /SGPWA | Capture Available Stream Flow | Increase Capture of Rising Water | | | |
| <i>City of Banning</i> | | | | | | | | | |
| 2003 | 2,514.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,514.5 |
| 2004 | 5,029.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,029.0 |
| 2005 | 5,029.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,029.0 |
| 2006 | 5,029.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,029.0 |
| 2007 | 5,029.0 | 0.0 | 0.0 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,529.0 |
| 2008 | 5,029.0 | 592.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,621.2 |
| 2009 | 5,029.0 | 1,594.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,623.7 |
| 2010 | 5,029.0 | 1,683.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,712.8 |
| 2011 | 5,029.0 | 1,588.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,617.2 |
| 2012 | 5,029.0 | 1,679.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,708.5 |
| 2013 | 2,514.5 | 1,816.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4,330.6 |
| 2014 | 0.0 | 1,826.7 | 0.0 | 0.0 | 0.0 | 0.0 | 150.4 | 0.0 | 1,977.1 |
| 2015 | 0.0 | 2,097.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,097.5 |
| 2016 | 0.0 | 2,099.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,099.1 |
| 2017 | 0.0 | 2,063.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,063.2 |
| 2018 | 0.0 | 2,000.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,000.6 |
| 2019 | 0.0 | 1,408.4 | 0.0 | 0.0 | 0.0 | 0.0 | 462.9 | 0.0 | 1,871.3 |
| 2020 | 0.0 | 1,450.3 | 0.0 | 0.0 | 0.0 | 0.0 | 848.3 | 0.0 | 2,298.6 |
| 2021 | 0.0 | 1,497.2 | 0.0 | 60.0 | 0.0 | 0.0 | 2,110.9 | 0.0 | 3,668.1 |
| 2022 | 0.0 | 1,350.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2,208.4 | 0.0 | 3,558.7 |
| 2023 | 0.0 | 1,407.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,407.9 |

**Table 3-8
Appropriator's Production Right**

| Calendar Year | Operating Yield | | Water Acquired | | | New Yield | | Water From Storage | Appropriator's Production Right |
|--|-------------------------|---------------------------|--|--|-------------------------------|----------------------------------|-----|--------------------|---------------------------------|
| | Temporary Surplus Water | Appropriative Water Right | Transfer of Overlying Water Rights to Appropriator | Transfers Between Appropriators /SGPWA | Capture Available Stream Flow | Increase Capture of Rising Water | | | |
| Beaumont Cherry Valley Water District | | | | | | | | | |
| 2003 | 3,401.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.9 | 3,511.9 |
| 2004 | 6,802.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.9 | 6,873.9 |
| 2005 | 6,802.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 223.6 | 7,025.6 |
| 2006 | 6,802.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,802.0 |
| 2007 | 6,802.0 | 0.0 | 0.0 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,302.0 |
| 2008 | 6,802.0 | 801.0 | 0.0 | 2,500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,103.0 |
| 2009 | 6,802.0 | 2,156.8 | 0.0 | 2,000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,958.8 |
| 2010 | 6,802.0 | 2,277.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9,079.4 |
| 2011 | 6,802.0 | 2,148.1 | 0.0 | 3,500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12,450.1 |
| 2012 | 6,802.0 | 2,271.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9,073.5 |
| 2013 | 3,401.0 | 2,456.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,857.4 |
| 2014 | 0.0 | 2,470.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,929.9 | 6,400.5 |
| 2015 | 0.0 | 2,836.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,362.8 | 6,199.8 |
| 2016 | 0.0 | 2,839.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,839.1 |
| 2017 | 0.0 | 2,790.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,790.6 |
| 2018 | 0.0 | 2,705.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,705.9 |
| 2019 | 0.0 | 1,904.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,904.9 |
| 2020 | 0.0 | 1,961.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,961.6 |
| 2021 | 0.0 | 2,025.0 | 0.0 | 447.8 | 0.0 | 0.0 | 0.0 | 7,668.7 | 10,141.5 |
| 2022 | 0.0 | 1,826.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,888.1 | 10,714.4 |
| 2023 | 0.0 | 1,904.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,904.3 |

**Table 3-8
Appropriator's Production Right**

| Calendar Year | Operating Yield | | Water Acquired | | | New Yield | | Water From Storage | Appropriator's Production Right |
|-------------------------|-------------------------|---------------------------|--|--|-------------------------------|----------------------------------|-----|--------------------|---------------------------------|
| | Temporary Surplus Water | Appropriative Water Right | Transfer of Overlying Water Rights to Appropriator | Transfers Between Appropriators /SGPWA | Capture Available Stream Flow | Increase Capture of Rising Water | | | |
| City of Beaumont | | | | | | | | | |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2004 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2005 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2006 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2007 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2008 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2009 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2010 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2011 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2012 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2013 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2014 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2015 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2016 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2017 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2019 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2020 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2021 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2023 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Table 3-8
Appropriator's Production Right**

| Calendar Year | Operating Yield | | Water Acquired | | | New Yield | | Water From Storage | Appropriator's Production Right |
|---------------------------------|-------------------------|---------------------------|--|--|-------------------------------|----------------------------------|-----|--------------------|---------------------------------|
| | Temporary Surplus Water | Appropriative Water Right | Transfer of Overlying Water Rights to Appropriator | Transfers Between Appropriators /SGPWA | Capture Available Stream Flow | Increase Capture of Rising Water | | | |
| South Mesa Water Company | | | | | | | | | |
| 2003 | 998.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 998.0 |
| 2004 | 1,996.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,996.0 |
| 2005 | 1,996.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,996.0 |
| 2006 | 1,996.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,996.0 |
| 2007 | 1,996.0 | 0.0 | 0.0 | -3,000.0 | 0.0 | 0.0 | 0.0 | 1,669.8 | 665.8 |
| 2008 | 1,996.0 | 235.2 | 0.0 | -2,500.0 | 0.0 | 0.0 | 0.0 | 739.7 | 470.9 |
| 2009 | 1,996.0 | 633.2 | 0.0 | -2,000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 629.2 |
| 2010 | 1,996.0 | 668.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,664.6 |
| 2011 | 1,996.0 | 630.6 | 0.0 | -3,500.0 | 0.0 | 0.0 | 0.0 | 1,293.3 | 419.9 |
| 2012 | 1,996.0 | 666.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,662.9 |
| 2013 | 998.0 | 721.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,719.1 |
| 2014 | 0.0 | 725.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 725.3 |
| 2015 | 0.0 | 832.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 832.9 |
| 2016 | 0.0 | 833.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 833.5 |
| 2017 | 0.0 | 819.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 819.3 |
| 2018 | 0.0 | 794.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 794.4 |
| 2019 | 0.0 | 559.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 559.2 |
| 2020 | 0.0 | 575.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 575.9 |
| 2021 | 0.0 | 594.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 594.5 |
| 2022 | 0.0 | 536.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 574.7 |
| 2023 | 0.0 | 559.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 559.1 |

**Table 3-8
Appropriator's Production Right**

| Calendar Year | Operating Yield | | Water Acquired | | | New Yield | | Water From Storage | Appropriator's Production Right |
|--------------------------------------|-------------------------|---------------------------|--|--|-------------------------------|----------------------------------|-----|--------------------|---------------------------------|
| | Temporary Surplus Water | Appropriative Water Right | Transfer of Overlying Water Rights to Appropriator | Transfers Between Appropriators /SGPWA | Capture Available Stream Flow | Increase Capture of Rising Water | | | |
| Yucaipa Valley Water District | | | | | | | | | |
| 2003 | 1,086.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 75.9 | 1,162.4 |
| 2004 | 2,173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,173.0 |
| 2005 | 2,173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,173.0 |
| 2006 | 2,173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,173.0 |
| 2007 | 2,173.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,173.0 |
| 2008 | 2,173.0 | 255.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,428.9 |
| 2009 | 2,173.0 | 689.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,862.0 |
| 2010 | 2,173.0 | 727.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,900.5 |
| 2011 | 2,173.0 | 686.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,859.2 |
| 2012 | 2,173.0 | 725.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,898.6 |
| 2013 | 1,086.5 | 784.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,871.2 |
| 2014 | 0.0 | 789.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 409.2 | 1,198.5 |
| 2015 | 0.0 | 906.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 906.3 |
| 2016 | 0.0 | 907.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 907.0 |
| 2017 | 0.0 | 891.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 891.5 |
| 2018 | 0.0 | 864.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 864.5 |
| 2019 | 0.0 | 608.5 | 64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 672.5 |
| 2020 | 0.0 | 626.6 | 194.8 | 0.0 | 0.0 | 0.0 | 0.0 | 586.3 | 1,407.7 |
| 2021 | 0.0 | 646.9 | 366.8 | 0.0 | 0.0 | 0.0 | 0.0 | 214.8 | 1,228.5 |
| 2022 | 0.0 | 583.4 | 478.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,061.7 |
| 2023 | 0.0 | 608.3 | 478.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,086.6 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|---|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| City of Banning - Authorized Storage Account: 80,000 ac-ft | | | | | | | | | |
| 2003 | 2,514.5 | 2,174.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 340.3 |
| 2004 | 5,029.0 | 3,397.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,972.0 |
| 2005 | 5,029.0 | 1,808.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,192.5 |
| 2006 | 5,029.0 | 1,827.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,393.9 |
| 2007 | 6,529.0 | 2,772.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12,150.3 |
| 2008 | 5,621.2 | 2,933.6 | 0.0 | 1,534.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16,371.9 |
| 2009 | 6,623.7 | 2,095.0 | 0.0 | 2,741.2 | 0.0 | 0.0 | 0.0 | 0.0 | 23,641.8 |
| 2010 | 6,712.8 | 1,143.6 | 0.0 | 1,338.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30,549.0 |
| 2011 | 6,617.2 | 1,341.7 | 0.0 | 800.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36,624.5 |
| 2012 | 6,708.5 | 1,038.3 | 0.0 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43,494.7 |
| 2013 | 4,330.6 | 2,100.7 | 0.0 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46,924.7 |
| 2014 | 1,977.1 | 2,585.1 | 608.0 | 608.0 | 0.0 | 0.0 | 0.0 | 150.4 | 46,774.2 |
| 2015 | 2,097.5 | 1,678.3 | 0.0 | 694.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47,887.5 |
| 2016 | 2,099.1 | 1,472.7 | 0.0 | 1,477.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49,990.8 |
| 2017 | 2,063.2 | 1,443.5 | 0.0 | 1,350.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51,960.6 |
| 2018 | 2,000.6 | 2,260.8 | 260.2 | 500.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52,200.4 |
| 2019 | 1,871.3 | 2,121.3 | 250.0 | 250.0 | 0.0 | 0.0 | 0.0 | 462.9 | 51,737.5 |
| 2020 | 2,298.6 | 2,548.6 | 250.0 | 250.0 | 0.0 | 0.0 | 0.0 | 848.3 | 50,889.2 |
| 2021 | 3,668.1 | 3,668.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,110.9 | 48,778.3 |
| 2022 | 3,558.7 | 3,593.7 | 35.0 | 35.0 | 0.0 | 0.0 | 0.0 | 2,208.4 | 46,569.9 |
| 2023 | 1,407.9 | 1,326.9 | 0.0 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47,650.9 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|---|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| Beaumont Cherry Valley Water District - Authorized Storage Account: 80,000 ac-ft | | | | | | | | | |
| 2003 | 3,511.9 | 3,511.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.9 | -110.9 |
| 2004 | 6,873.9 | 6,873.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.9 | -182.8 |
| 2005 | 7,025.6 | 7,025.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 223.6 | -406.4 |
| 2006 | 6,802.0 | 9,054.1 | 2,252.1 | 3,501.0 | 0.0 | 0.0 | 0.0 | 0.0 | 842.5 |
| 2007 | 8,302.0 | 11,383.3 | 3,081.3 | 4,501.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,262.2 |
| 2008 | 10,103.0 | 10,710.5 | 607.5 | 2,399.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4,053.7 |
| 2009 | 10,958.8 | 10,133.9 | 0.0 | 2,741.2 | 0.0 | 0.0 | 0.0 | 0.0 | 7,619.8 |
| 2010 | 9,079.4 | 9,421.3 | 341.9 | 5,727.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13,004.9 |
| 2011 | 12,450.1 | 9,431.3 | 0.0 | 7,979.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24,002.8 |
| 2012 | 9,073.5 | 10,162.0 | 1,088.5 | 7,783.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30,697.3 |
| 2013 | 5,857.4 | 11,097.4 | 5,240.0 | 7,403.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32,860.3 |
| 2014 | 6,400.5 | 10,805.5 | 4,405.0 | 4,405.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28,930.4 |
| 2015 | 6,199.8 | 8,972.8 | 2,773.0 | 2,773.0 | 0.0 | 0.0 | 0.0 | 3,929.9 | 25,567.6 |
| 2016 | 2,839.1 | 10,159.8 | 7,320.7 | 9,319.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27,565.9 |
| 2017 | 2,790.6 | 11,650.7 | 8,860.1 | 13,590.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32,295.8 |
| 2018 | 2,705.9 | 12,209.2 | 9,503.3 | 12,121.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34,913.5 |
| 2019 | 1,904.9 | 11,140.9 | 9,236.0 | 13,645.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39,322.5 |
| 2020 | 1,961.6 | 12,539.2 | 10,577.6 | 11,005.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39,749.9 |
| 2021 | 10,141.5 | 12,609.5 | 2,468.0 | 2,468.0 | 0.0 | 0.0 | 0.0 | 7,668.7 | 32,081.2 |
| 2022 | 10,714.4 | 12,490.4 | 1,776.0 | 1,776.0 | 0.0 | 0.0 | 0.0 | 8,888.1 | 23,193.1 |
| 2023 | 1,904.3 | 10,213.3 | 8,309.0 | 18,000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32,884.1 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|--|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| <i>City of Beaumont - Authorized Storage Account: 30,000 ac-ft</i> | | | | | | | | | |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2004 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2005 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2006 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2007 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2008 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2009 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2010 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2011 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2012 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2013 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2014 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2015 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2016 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2017 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2019 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2020 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2021 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2023 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|--|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| South Mesa Water Company - Authorized Storage Account: 20,000 ac-ft | | | | | | | | | |
| 2003 | 998.0 | 223.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 774.8 |
| 2004 | 1,996.0 | 482.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,288.3 |
| 2005 | 1,996.0 | 663.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,621.1 |
| 2006 | 1,996.0 | 616.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,001.1 |
| 2007 | 665.8 | 665.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,669.8 | 3,331.3 |
| 2008 | 470.9 | 470.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 739.7 | 2,591.6 |
| 2009 | 629.2 | 382.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2,838.6 |
| 2010 | 2,664.6 | 405.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,098.2 |
| 2011 | 419.9 | 419.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,293.3 | 3,805.0 |
| 2012 | 2,662.9 | 448.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,019.4 |
| 2013 | 1,719.1 | 308.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7,430.2 |
| 2014 | 725.3 | 473.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7,681.7 |
| 2015 | 832.9 | 317.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,197.5 |
| 2016 | 833.5 | 352.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,678.3 |
| 2017 | 819.3 | 368.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9,129.5 |
| 2018 | 794.4 | 364.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9,559.0 |
| 2019 | 559.2 | 330.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9,787.5 |
| 2020 | 575.9 | 229.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,134.3 |
| 2021 | 594.5 | 466.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,262.7 |
| 2022 | 574.7 | 574.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 10,224.2 |
| 2023 | 559.1 | 277.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,506.0 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|---|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| Yucaipa Valley Water District - Authorized Storage Account: 50,000 ac-ft | | | | | | | | | |
| 2003 | 1,162.4 | 1,162.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 75.9 | -75.9 |
| 2004 | 2,173.0 | 1,833.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 263.4 |
| 2005 | 2,173.0 | 1,281.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,155.1 |
| 2006 | 2,173.0 | 2,027.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,300.8 |
| 2007 | 2,173.0 | 1,682.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,790.9 |
| 2008 | 2,428.9 | 572.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,647.8 |
| 2009 | 2,862.0 | 504.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,005.4 |
| 2010 | 2,900.5 | 672.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8,233.5 |
| 2011 | 2,859.2 | 534.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10,558.6 |
| 2012 | 2,898.6 | 700.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12,757.2 |
| 2013 | 1,871.2 | 1,030.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13,597.6 |
| 2014 | 1,198.5 | 1,198.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 409.2 | 13,188.4 |
| 2015 | 906.3 | 119.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13,975.5 |
| 2016 | 907.0 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14,877.9 |
| 2017 | 891.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15,769.2 |
| 2018 | 864.5 | 191.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16,442.5 |
| 2019 | 672.5 | 528.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16,586.4 |
| 2020 | 1,407.7 | 1,407.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 586.3 | 16,000.1 |
| 2021 | 1,228.5 | 1,228.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 214.8 | 15,785.3 |
| 2022 | 1,061.7 | 686.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16,160.4 |
| 2023 | 1,086.6 | 891.7 | 0.0 | 0.0 | 500.0 | 0.0 | 0.0 | 0.0 | 16,855.3 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|---|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| Morongo Band of Mission Indians - Authorized Storage Account: 20,000 ac-ft | | | | | | | | | |
| 2013 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2014 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2015 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2016 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2017 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2019 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2020 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2021 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2022 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2023 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| San Geronio Pass Water Agency - Authorized Storage Account: 10,000 ac-ft | | | | | | | | | |
| 2018 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2019 | 0.0 | 0.0 | 0.0 | 257.8 | 0.0 | 0.0 | 0.0 | 257.8 | 257.8 |
| 2020 | 0.0 | 0.0 | 0.0 | 214.0 | 0.0 | 0.0 | 0.0 | 214.0 | 471.8 |
| 2021 | 0.0 | 0.0 | 0.0 | 36.0 | 0.0 | 0.0 | 0.0 | -471.8 | 0.0 |
| 2022 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 2023 | 0.0 | 0.0 | 0.0 | 893.0 | 0.0 | 0.0 | 0.0 | 0.0 | 893.6 |

**Table 3-9
Consolidation of Storage Accounts**

| Calendar Year | Appropriator's Production Right | Appropriator's Annual Production | Water Supply Deficit | Supplemental Water | | | | Total Additions to or Withdrawals from Storage | Ending Storage Account Balance |
|--|---------------------------------|----------------------------------|----------------------|--------------------|-------------------------|-------------------------------|---------------------|--|--------------------------------|
| | | | | SWP Water Recharge | Recycled Water Recharge | Local Imported Water Recharge | Stormwater Recharge | | |
| Totals - All Agencies with Storage Accounts | | | | | | | | | |
| 2003 | 8,186.8 | 7,071.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 186.8 | 928.3 |
| 2004 | 16,071.9 | 12,587.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71.9 | 4,340.9 |
| 2005 | 16,223.6 | 10,778.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 223.6 | 9,562.3 |
| 2006 | 16,000.0 | 13,524.9 | 2,252.1 | 3,501.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15,538.3 |
| 2007 | 17,669.8 | 16,504.6 | 3,081.3 | 4,501.0 | 0.0 | 0.0 | 0.0 | 1,669.8 | 19,534.8 |
| 2008 | 18,623.9 | 14,687.0 | 607.5 | 3,933.0 | 0.0 | 0.0 | 0.0 | 739.7 | 26,665.0 |
| 2009 | 21,073.7 | 13,115.6 | 0.0 | 5,482.4 | 0.0 | 0.0 | 0.0 | 0.0 | 40,105.6 |
| 2010 | 21,357.4 | 11,642.3 | 341.9 | 7,065.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56,885.6 |
| 2011 | 22,346.5 | 11,727.0 | 0.0 | 8,779.0 | 0.0 | 0.0 | 0.0 | 1,293.3 | 74,990.9 |
| 2012 | 21,343.5 | 12,348.9 | 1,088.5 | 8,983.0 | 0.0 | 0.0 | 0.0 | 0.0 | 92,968.6 |
| 2013 | 13,778.4 | 14,537.2 | 5,240.0 | 8,603.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100,812.7 |
| 2014 | 10,301.3 | 15,062.8 | 5,013.0 | 5,013.0 | 0.0 | 0.0 | 0.0 | 4,489.5 | 96,574.8 |
| 2015 | 10,036.4 | 11,087.4 | 2,773.0 | 3,467.0 | 0.0 | 0.0 | 0.0 | 3,362.8 | 95,628.0 |
| 2016 | 6,678.6 | 11,989.7 | 7,320.7 | 10,796.0 | 0.0 | 0.0 | 0.0 | 0.0 | 101,112.9 |
| 2017 | 6,564.6 | 13,462.4 | 8,860.1 | 14,940.0 | 0.0 | 0.0 | 0.0 | 0.0 | 109,155.0 |
| 2018 | 6,365.5 | 15,026.1 | 9,763.4 | 12,621.0 | 0.0 | 0.0 | 0.0 | 0.0 | 113,115.4 |
| 2019 | 5,007.9 | 14,121.5 | 9,486.0 | 14,152.8 | 0.0 | 0.0 | 0.0 | 720.7 | 117,691.8 |
| 2020 | 6,243.8 | 16,724.7 | 10,827.6 | 11,469.0 | 0.0 | 0.0 | 0.0 | 1,648.6 | 117,245.2 |
| 2021 | 15,632.6 | 17,972.1 | 2,468.0 | 2,504.0 | 0.0 | 0.0 | 0.0 | 9,522.6 | 106,907.5 |
| 2022 | 15,909.4 | 17,345.3 | 1,811.0 | 1,811.6 | 0.0 | 0.0 | 0.0 | 11,135.1 | 96,148.2 |
| 2023 | 4,957.8 | 12,709.1 | 8,309.0 | 20,393.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108,789.9 |

Section 4

Water Quality Conditions

The purpose of this section is to document the water quality conditions in the Beaumont Basin during the 2019-2023 reporting period. TDS and nitrate concentrations in the basin are compared against groundwater quality objectives for anti-degradation and maximum benefit as established by the Regional Board for TDS and Nitrate (as N) in the Beaumont Management Zone (BMZ). In addition, water quality concentrations for a number of compounds are compared against Federal and State Drinking Water Standards. Figure 4-1 depicts all the wells that have groundwater quality data for the reporting period.

There are two main sources of data used in the assessment of water quality conditions in the Beaumont Basin and near surroundings: namely, the California Department of Public Health database, as part of the Groundwater Ambient Monitoring and Assessment (GAMA) program, and the Beaumont Management Zone Maximum Benefit Monitoring Program. The GAMA database obtained from the State Water Resources Control Board focuses on drinking water sources; it contains 4,396 water quality results for the 2019-2023 reporting period. Water quality from the BMZ Maximum Benefit Monitoring Program was also available for the same period.

4.1 Comparison with Management Zone Objectives

Groundwater quality objectives for anti-degradation and maximum benefit have been established by the Regional Board for TDS and Nitrate (as N) in the BMZ, which encompasses portions of the Beaumont Basin, the Singleton and South Beaumont basins, and limited portions of Edgar Canyon above the Banning Fault as illustrated in Figure 4-1. The anti-degradation objectives are based on the historic ambient TDS and Nitrate (as N) concentration of 230 mg/L and 1.5 mg/L respectively.

Maximum benefit objectives were adopted by the Regional Board in 2004 at the request of STWMA and the City of Beaumont to allow for recharge of imported water and the reuse of recycled water. The maximum benefit objectives, set to 330 mg/L for TDS and 5.0 mg/L for Nitrate (as N), are relatively low compared to other basins and are protective of the beneficial uses of the Basin groundwater. According to the Basin Plan, salt mitigation will be required once the ambient TDS and Nitrate (as N) concentration exceeds the BMZ maximum benefit objectives.

4.1.1 Total Dissolved Solids

Figure 4-2 shows the maximum TDS concentrations for 59 wells measured within and in the vicinity of the Beaumont Basin. Concentrations used for most wells were based on the 2019-2023 reporting period; however, historical concentrations are used for a limited number of wells that did not have water quality information during this period. A total of 31 wells are located inside the Basin, 17 in the Singleton Basin / Edgar Canyon and the remaining 11 in the South Beaumont Basin.

Maximum TDS concentrations for wells owned by Appropriators within the basin ranged from 170 to 350 mg/L and averaged 228 mg/L; this average of maximum values at each well is 32 mg/L lower than the average maximum TDS concentration reported in the 2008-11 Engineering Report of 255 mg/L. Of the 12 overlying wells, maximum TDS concentrations ranged from 100 to 340 mg/L and averaged 244 mg/L, 16 mg/L higher than the average of maximum values for appropriator’s wells. The average TDS for all 31 groundwater wells in the Beaumont Basin for the reporting period was 231 mg/L while the average of maximum concentration was 10 mg/L higher.

In the Singleton Basin / Edgar Canyon area, maximum TDS concentrations ranged from 210 to 400 mg/L and average 270 mg/L. The average TDS concentration for all wells was 264 mg/L, 33 mg/L higher than the average concentration in the Beaumont Basin during the reporting period.

In the South Beaumont Basin, maximum TDS concentrations ranged from 270 to 870 mg/L and averaged 495 mg/L. Average concentration for all 11 groundwater wells was 428 mg/L.

Average and maximum TDS concentrations for all sampled wells within the basin and surroundings are as follows:

| Well Classification | Count | Samples | Average Concentration | Avg Max Concentration |
|--|-------|---------|-----------------------|-----------------------|
| Beaumont Groundwater Basin | | | | |
| Appropriators | 15 | 21 | 223 | 228 |
| Overliers | 12 | 43 | 228 | 244 |
| Others | 4 | 20 | 264 | 278 |
| Total | 31 | 84 | 231 | 241 |
| Singleton Basin / Edgar Canyon Area | | | | |
| All Wells | 17 | 28 | 264 | 270 |
| South Beaumont Basin | | | | |
| All Wells | 11 | 61 | 428 | 495 |

Of the 27 wells owned by Appropriators and overlayers, 15 wells had a maximum concentration at or below the anti-degradation objective of 230 mg/L, 10 wells were between the anti-degradation and maximum benefit objective of 330 mg/L, and two (BCVWD 16 and SMHOA 2) exceeded the maximum benefit objective for the BMZ at 330 mg/L. None of the production wells samples exceeded the secondary federal or state drinking water standard for TDS (500 mg/L). BCVWD wells along Edgar Canyon were not included in the analysis of domestic wells.

In the Singleton Basin / Edgar Canyon area, there were three wells with a maximum TDS concentration at or below the anti-degradation objective, 13 wells had maximum TDS concentrations between the anti-degradation and maximum benefit objective, and the remaining well (CVMWC No. 1) exceeded the maximum objective, no wells exceeded the secondary MCL.

In the South Beaumont Basin, none of the wells had a maximum TDS concentration below the anti-degradation objective, three wells were below the maximum objective, and the remaining eight wells exceeded this objective. Most of the wells with the highest TDS concentrations are located in the South Beaumont Basin.

4.1.2 Nitrate as N

Figure 4-3 shows the maximum Nitrate concentrations for 59 wells measured within and in the vicinity of the Beaumont Basin wells during the 2019-2023 reporting period. A total of 31 wells are located inside the basin, 17 wells in the Singleton Basin / Edgar Canyon and the remaining 11 in the South Beaumont Basin.

Maximum Nitrate concentrations for wells owned by Appropriators within the basin ranged from 0.98 to 7.00 mg/L and averaged 2.49 mg/L. Of the 12 overlying wells, maximum Nitrate concentrations ranged from 0.25 to 6.90 mg/L and averaged 3.26 mg/L, 0.77 mg/L higher than the average of maximum values for appropriator’s wells. The average maximum Nitrate concentration for all 31 groundwater wells in the Beaumont Basin was 2.62 mg/L.

In the Singleton Basin / Edgar Canyon area, maximum Nitrate concentrations ranged from 0.60 to 14.0 mg/L and averaged 3.27 mg/L. Average concentration for all wells was 2.84 mg/L.

In the South Beaumont Basin, maximum Nitrate concentrations ranged from 3.1 to 22.0 mg/L and averaged 10.05 mg/L. Average concentration for all wells in this basin was 9.32 mg/L.

Average and maximum Nitrate concentrations for all sampled wells within the Beaumont Basin area are as follows:

| Well Classification | No. of Wells | Samples | Average Concentration | Avg Max Concentration |
|--|--------------|---------|-----------------------|-----------------------|
| Beaumont Groundwater Basin | | | | |
| Appropriators | 15 | 156 | 2.02 | 2.49 |
| Overliers | 12 | 119 | 2.74 | 3.26 |
| Other | 4 | 20 | 1.08 | 1.20 |
| Total | 31 | 295 | 2.18 | 2.62 |
| Singleton Basin / Edgar Canyon Area | | | | |
| All Wells | 17 | 56 | 2.84 | 3.27 |

South Beaumont Basin

| | | | | |
|-----------|----|----|------|-------|
| All Wells | 11 | 58 | 9.32 | 10.05 |
|-----------|----|----|------|-------|

Of the 27 wells owned by Appropriators and overlayers, seven wells had a maximum concentration below the anti-degradation objective of 1.5 mg/L, 15 wells were between this objective and maximum benefit objective of 5.0 mg/L; five wells exceeded the maximum benefit objective for the BMZ. None of the production wells samples exceeded the primary federal or state drinking water standard for Nitrate of 10 mg/L.

In the Singleton Basin / Edgar Canyon area, four wells had a maximum concentration below the anti-degradation objective, another ten wells had concentrations between the anti-degradation and maximum objective while three wells exceeded the maximum benefit objective of 5.0 mg/L. One well exceeded drinking water standards.

In the South Beaumont Basin, only two wells had a maximum concentration below the maximum objective while the remaining nine exceed it with five of these wells also exceeding drinking water standards. There were no wells with nitrate concentrations below the anti-degradation limit.

4.1.3 Nitrate Studies in the Beaumont Management Zone

Rising nitrate concentrations observed in 2005 along the northern portion of the Basin prompted STWMA to launch an investigation in 2006 to determine the potential impact on groundwater quality from on-site waste disposal systems (OSWDS) commonly used in the Cherry Valley Community of Interest (CVCOI). STWMA retained the services of Wildermuth Environmental Inc. (WEI) to conduct this study.

The results of this study were disputed by the Beaumont Board of Supervisors’ Groundwater Quality Evaluation Committee (GQEC) as they identified potential shortcomings in sampling design and project execution. The GQEC recommended that an independent assessment be conducted. They recommended that the second study should expand the study area, consider reasonable build-out projections and other sources of groundwater contamination. This independent study was conducted by scientist at the University of California, Riverside and funded as a Supplemental Environmental Project by the State Water Resources Control Board. The results of this study were published in early 2012. A brief summary and their findings are presented below for information purposes only.

4.1.3.1 Summary of Wildermuth Environmental Inc. Study

This study is titled: “*Water Quality Impacts from On-Site Waste Disposal Systems in the Cherry Valley Community of Interest*” (WEI, 2007). The bases for this study include the following:

- ✓ A review of scientific literature,
- ✓ A field study to estimate nitrogen concentrations in soil water below selected OSWDS,

- ✓ A tracer study of nitrogen isotope and pharmaceutical and personal care products (PPCP) to confirm the presence of effluent from OSWDS,
- ✓ An estimation of current and future discharge from OSWDS to groundwater,
- ✓ A planning-level evaluation of basin impacts using the groundwater flow and nitrate transport model, and
- ✓ A review of the threshold used in California to compel sewerage when OSWDS contaminate or threaten to contaminate groundwater

The results of the investigation are summarized as follows:

- ✓ Parcel density in the CVCOI violates the minimum half-acre parcel size requirement of the Regional Board to be on a septic system.
- ✓ Water produced from high nitrate wells in the area has a nitrogen isotopic signature and contain PPCPs consistent with discharge from OSWDS.
- ✓ Present contribution of OSWDS discharges is estimated at 665 ac-ft/yr.; this represents about five percent of total recharge to the BMZ. At ultimate buildout, there will be between 4,900 to 8,800 OSWDS in the CVCOI. Discharge contribution from these OSWDS is estimated between 1,700 and 3,100 ac-ft/yr. representing 13 to 21 percent of total recharge to the BMZ.
- ✓ At 4,900 lots, the contributions from OSWDS will significantly impact water quality to the point that well head treatment will be required at certain well locations in order to meet drinking water standards. At 8,800 lots, the contributions from OSWDS will rendered the entire BMZ non-potable.
- ✓ Left unmitigated, OSWDS discharges will contribute enough nitrate to exceed the Basin Plan objectives for the BMZ.
- ✓ There is sufficient evidence of groundwater contamination by OSWDS to warrant the Regional Board to issue a prohibition on new OSWDS in the CVCOI.

According to WEI, as a result of this investigation, the County of Riverside issued a moratorium, followed by a permanent prohibition on the installation of septic systems in Cherry Valley unless the septic system is designed to remove at least 50 percent of the nitrogen in the wastewater. In 2009, the County passed a new ordinance that removed the prohibition on conventional OSWDS. WEI further indicates that the Regional Board initiated a process in 2009 that may lead to amending the Basin Plan prohibiting conventional OSWDS and regulating the discharges to meet antidegradation objectives.

4.1.3.2 Summary of University of California, Riverside Study

This study is titled: *“Water Quality Assessment of the Beaumont Management Zone: Identifying Sources of Groundwater Contamination Using Chemical and Isotopic Tracers” (UCR, 2012).*

The study divides the BMZ into four distinct zones; their location is depicted in Figure 2 of the UCR report (not included here). A brief description of the zones is as follows:

Zone 1 – Region Influenced by Wastewater Treatment Plant Effluent. This zone occupies the southernmost area of the BMZ. Water quality in this zone is influenced by effluent from the City of Beaumont wastewater treatment plant.

Zone 2 – Wildland and Low-Density Septic Disposal Region. This zone is defined as the area uphill of Edgar Canyon to the north of Cherry Valley. Water quality in this area had low to moderate concentrations of TDS and nitrate.

Zone 3 – Urban Region with On-site Septic Disposal Systems. This zone overlies the Cherry Valley area including the area around the Noble Creek and Little San Gorgonio Spreading Ponds. Human waste from homes and business in this zone is primarily disposed of in on-site waste disposal systems.

Zone 4 – Urban Region with Consolidate Sewer System. Zone 4 comprises those portions of the City of Beaumont utilizing a municipal wastewater system.

The UCR report attempted to answer a series of questions; the questions and a summary of their response is provided below.

1.- Can different groundwater regions within the BMZ be defined using isotope, PPCP, and general chemical parameters?

According to the study,

- ✓ Zone 1 was characterized by relatively high levels of PPCPs and it has the highest likelihood for nitrate contamination from human waste.
- ✓ Zone 2 had detectable levels of some PPCPs. Septic contributions to groundwater are relatively minor.
- ✓ Zone 3 had several wells with clear signs of contamination by septic systems. Groundwater in the central portion of Cherry Valley appeared to be more strongly affected by septic systems than on the periphery of Cherry Valley.
- ✓ Zone 4 shows the fewest signs of human waste as most homes are served by consolidated sewer systems.

1A.- Do areas with septic systems have different chemistry than areas with sewers?

The report indicates that there are statistically significant differences between groundwater in areas with septic systems and groundwater where sewer service is available. The concentrations of PPCPs, TDS, Nitrate-N, the sum of base cations, Boron, and Isotopes of Nitrate were all significantly higher in areas with septic systems than in areas with sewer service.

1B.- Do areas where groundwater recharge with water from the State Water Project or wastewater treatment plant effluent have different chemistry from other areas?

Strong evidence of nitrate deriving from human waste was detected in Zone 1 as well as strong biological attenuation of nitrate transported in groundwater.

2.- What sources contribute nitrate to groundwater of the BMZ?

The report indicates that in Zone 1 the isotopes of nitrate values overlap those expected for human or animal waste. Similarly, in Zone 3 the isotopic composition of water suggests a high probability of inputs of nitrate from human or animal waste. The presence of PPCPs in most samples indicates the possibility that septic systems are contaminating groundwater within the central part of Cherry Valley.

3.- How much nitrate from human waste is making its way into the groundwater of the BMZ?

The report documents the following findings:

- ✓ Mixing models suggest that between 18 to 30 percent of the nitrate in central Cherry Valley groundwater is derived from septic systems.
- ✓ If septic systems were completely phased out, nitrate concentrations in central Cherry Valley groundwater could decline by 30 percent once a steady state condition is achieved. The time to reach a steady state is anticipated to be shorter than in other portions of the BMZ due to relatively high rates of recharge in Zone 3.
- ✓ Mass balance calculations show that nitrate-nitrogen inputs from septic systems is one of the largest inputs of nitrogen to groundwater in the BMZ.
- ✓ If the waste from septic tanks were to be conveyed to the City of Beaumont WWTP, about 30 percent of the current input of nitrate from human waste to groundwater would be removed.

4.2 Comparison with Federal and State Drinking Water Standards

The California Department of Health Services (CDPH) maintains an active water quality database of all public and private drinking water wells throughout the state. This database was recently incorporated into the Groundwater Ambient Monitoring and Assessment (GAMA) program. The GAMA program is California's comprehensive groundwater quality monitoring program that was created by the State Water Resources Control Board in 2000. The program was later expanded by Assembly Bill 559, also known as the Groundwater Quality Monitoring Act of 2001.

Chemical information for drinking water sources is grouped in the GAMA program in various databases depending on the year(s) of information desired. This annual report documents water quality conditions for the 2018-22 period. To gather pertinent information, the 2015-19 and 2020-Present databases in the State of California Water Resources Control Board website were accessed. Accessing the water quality information in the GAMA program has been significantly enhanced compared to previous databases run through the CDPH website; it is better organized and easier to access and compile. The 2020 and earlier annual reports documented water quality information using databases from the CDPH website.

The objective of this water quality analysis was to determine whether any of the potable wells in the Beaumont Basin exceeded the Primary or Secondary Federal and State standards or

the Notification Levels (NL) set by the state. Federal standards are set by the United States Environmental Protection Agency (USEPA). These standards determine the maximum concentration allowable for a specific contaminant in drinking water. States have the option to adopt more stringent standards or develop standards regulations for contaminants that the federal government has not acted on. In California the State Water Resources Control Board's Division of Drinking Water is responsible for regulated public water systems that provide drinking water across the State and for establishing drinking water standards for contaminants that threaten our water supply.

Primary standards at the federal and state level are enforceable criteria that have been established to protect the public against consumption of drinking water contaminants that present a risk to human health. Secondary standards are not enforceable standards; they have been established for aesthetic qualities of water, such as taste, color, and others. Contaminants with secondary MCL are not considered to present a risk to human health at the established maximum level. Notification levels are not enforceable standards; however, they require that municipal water suppliers notify the public if the NL for a specific chemical has been exceeded.

A total of 5,301 water quality results were extracted from the GAMA database for all domestic production wells in the Beaumont Basin. Results were obtained for 31 minerals and inorganic chemicals and over 108 organic compounds sampled between 2018 and 2022. The results of the analysis indicate that not a single well exceeded the primary Federal or State MCL for any of the analytes tested.

Appendix G contains summary statistics of the analytical results for the 2019-2023 period for selected chemicals that have a federal or state drinking water standard as reported in the GAMA database.

4.2.1 Nitrate (as NO₃) and Total Dissolved Solids (TDS)

A total of 235 samples were collected and analyzed for Nitrate; 38 of these samples were also analyzed for TDS. The current primary MCL for Nitrate (as NO₃) is 45 ppm (mg/L); the secondary MCL for TDS is 500 mg/L. Table 4-1 presents a summary of Nitrate and TDS concentration, including the number of samples taken, average and maximum concentrations recorded, for all 22 domestic wells in the Beaumont Basin. This table indicates that none of the domestic wells in the Beaumont Basin are near the MCL or the notification level of 80 percent MCL, 36 mg/L for Nitrate and 400 mg/L for TDS. Highest concentrations during the reporting period were recorded at BCVWD Well No. 16 with 31.5 mg/L of Nitrates and 350 mg/L of dissolved solids.

4.2.2 Trace Metals

As indicated earlier, not a single domestic well exceeded the primary federal and state standards during the reporting period. This represents a significant improvement over previous reporting periods when several wells exceeded the MCL for trace metals as in the 2004-2008 initial reporting five-year period. Trace metals are briefly discussed here and compared to previous reporting periods.

**Table 4-1
Nitrate (NO₃) and TDS Summary for Domestic Wells (2019-23)**

| Agency/ Well No. | Nitrate as NO ₃ | | | Total Dissolved Solids (TDS) | | |
|--|----------------------------|------|------|------------------------------|-----|-----|
| | Count | Avg | Max | Count | Ave | Max |
| City of Banning | | | | | | |
| Well C-2A | 8 | 7.7 | 9.0 | 1 | 220 | 220 |
| Well C-3 | 5 | 7.3 | 9.0 | 1 | 170 | 170 |
| Well C-4 | 8 | 4.6 | 6.8 | 2 | 190 | 200 |
| Well M-3 | 7 | 9.5 | 10.4 | 1 | 260 | 260 |
| Beaumont Cherry Valley Water District | | | | | | |
| Well 03 | 4 | 3.7 | 4.4 | 2 | 185 | 190 |
| Well 16 | 40 | 24.7 | 31.5 | 2 | 340 | 350 |
| Well 21 | 37 | 13.2 | 14.9 | 2 | 250 | 260 |
| Well 22 | 5 | 5.5 | 6.8 | 2 | 210 | 220 |
| Well 23 | 5 | 8.6 | 9.9 | 1 | 270 | 270 |
| Well 24 | 5 | 7.3 | 8.6 | 2 | 200 | 200 |
| Well 25 | 5 | 5.1 | 6.3 | 1 | 220 | 220 |
| Well 26 | 5 | 3.7 | 4.5 | | | |
| Well 29 | 5 | 10.6 | 12.6 | 1 | 210 | 210 |
| South Mesa Water Company | | | | | | |
| Well 4 | 7 | 15.0 | 19.8 | 2 | 200 | 220 |
| Yucaipa Valley Water District | | | | | | |
| Well 48 | 10 | 10.2 | 14.0 | 1 | 200 | 200 |
| Overlying Users | | | | | | |
| Sharondale 1 | 20 | 20.7 | 31.1 | 1 | 330 | 330 |
| Sharondale 2 | 20 | 24.7 | 26.6 | 1 | 340 | 340 |
| Plantation 1 | 5 | 9.2 | 9.9 | 2 | 270 | 280 |
| RCMHP 1 | 12 | 21.8 | 24.8 | 1 | 260 | 260 |
| RCMHP 2 | 19 | 22.5 | 28.8 | 2 | 260 | 270 |
| Tukwet A | 14 | 7.0 | 8.1 | 11 | 179 | 230 |
| Tukwet D | 15 | 9.9 | 11.7 | 11 | 203 | 250 |
| Oak Valley 1 | 1 | 6.3 | 6.3 | 1 | 190 | 190 |
| Oak Valley 2 | 3 | 10.5 | 11.3 | 3 | 173 | 210 |
| Oak V. Office | 4 | 4.8 | 7.2 | 4 | 193 | 220 |
| S. Ranch 7 | 5 | 9.1 | 9.5 | 5 | 242 | 250 |

Aluminum. There were 31 water samples taken during the reporting period and tested for aluminum. Aluminum concentration at all wells was below the reporting level of 50 ug/L and significantly below the secondary MCL of 200 ug/L. Banning M-3 had a maximum concentration of 57 ug/L in 2018. Aluminum above the MCL can add color to water. Compared to the FY 2004-08 initial reporting period, one well exceeded the MCL at that time.

Arsenic. The current MCL for Arsenic has been set at 10 ug/L. There were 31 water samples collected and tested for arsenic during the reporting period with most wells reporting under the reporting level of 2.0 ug/L. There were two wells with arsenic concentration above the reporting level with the highest arsenic concentration was observed at Tukwet Well A at 6.5 ug/L. Arsenic concentration at SMWC's Well No. 4 was 4.4 ug/L. The rise in arsenic concentration at Tukwet's A from 3.7 ug/L in June 2017 to 6.5 ug/L in August 2020 is relatively a new event. Arsenic at SMWC's 4 has increased from 4.2 ug/L in 2009, to 4.6 ug/L in 2012, to the highest value of 5.2 ug/L in April 2013. Samples taken at this well (SMWC's 4) in April 2019 indicated a concentration of 3.8 ug/L, lower than previous samplings; however, the latest test, taken in April of 2022, indicated a concentration of 4.4 ug/L, closer to the range of historical readings. YVWD reported a concentration of 2.5 ug/L in July 2017 at Well No. 48; however, the latest analysis (Jul 2020) below the reporting level. Based on the latest values reported, arsenic continues to be a non-issue in the Beaumont basin.

Iron. A total of 31 water samples were taken during the reporting period and tested for iron. In 29 of these samples, iron concentration was below the reporting level of 100 ug/L, which is significantly below the current secondary MCL of 300 ug/L. However, in August 2016, BCVWD Well No. 3 showed a concentration of 450 ug/L, exceeding the secondary MCL. Iron concentration at this well was below 100 ug/L in December 2020, increasing slightly to 110 ug/L in the latest sample taken (Dec 2023). City of Banning Well M3 had the highest concentration of iron during the reporting period at 140 ug/L, well below the current secondary MCL. Iron at a concentration above the MCL can impact color, odor, and taste in water. Five wells exceeded the secondary MCL during the FY 2004-08 reporting period.

Lead. There were 31 water samples collected and tested for lead during the reporting period. Lead concentrations were all below the reporting level of 0.005 mg/L (5 ppb), which is well below the current primary MCL of 0.015 mg/L (15 ppb). Slightly higher concentrations were reported before 2014 at BCVWD Well No. 25 (0.0065 mg/L) and at Rancho Calimesa Mobile Home Park (RCMHP) Well No. 1 (0.0058 mg/L). Lead concentration at these two wells was below the reporting level from the latest sample available. One well exceeded the MCL during the FY 2004-08 reporting period.

Manganese. There were 31 water samples taken during the reporting period and tested for Manganese. Manganese concentration at all wells was below the notification level of 20 ug/L, significantly below the secondary MCL of 50 ug/L. A concentration of 20ug/L (Dec 2019) was mistakenly reported in previous annual reports at BCVWD Well No. 16; actual concentration was below 20ug/L. Manganese can significantly impact color and taste in water at concentrations above the MCL. One monitoring well exceeded the secondary MCL during the FY 2004-08 reporting period.

Total Chromium. A total of 31 water samples were taken during the reporting period and tested for total chromium. The highest reported concentrations of total chromium during the reporting period were observed in March 2020 at Banning C-2A and Banning C-04, both at 16 ug/L. A concentration of 16 ug/L was also reported at BCVWD 26 in December 2018. These values are significantly below the current state primary MCL of 50 ug/L. One well exceeded the state primary MCL during the FY 2004-08 reporting period.

Vanadium. Three water samples were tested for vanadium during the reporting period from SMWC's Well 4 and YVWD No. 48. Vanadium at SMWC Well 4 has been consistently above the state Notification Level of 50 ug/L; latest test indicates a concentration of 93 ug/L (April 2022). Vanadium concentration at YVWD No. 48 was 25 ug/L in 2014, increasing to 90 ug/L in the summer of 2017. Latest concentration was down to 22 ug/L (Jul 2020).

Copper. There were 31 water samples collected and tested for copper during the reporting period. None of the wells tested exceeded the detection limit of 50 ug/L. This concentration is significantly below the state secondary MCL of 1,000 ug/L. This is consistent with previous reporting periods.

Zinc. There were 31 water samples collected and tested for zinc during the reporting period. Zinc concentrations in all wells were below the reporting limit of 50 ug/L (ppb), which is significantly lower than the current secondary MCL of 5.0 mg/l (ppm).

4.2.3 Organic Compounds

There were over 3,000 lab results for 158 organic compounds during the reporting period. Concentrations of these compounds in most cases were below the detection limit for purpose of reporting or just above it. Compounds of special concern include the following:

- ✓ TCE – Trichloroethylene (TCE) – 31 samples collected all reported below the reporting level of 0.5 ug/L. Current MCL is 5 ug/L.
- ✓ Tetrachloroethylene (PCE) - 31 samples collected all reported below the reporting level of 0.5 ug/L. Current MCL is 5 ug/L.
- ✓ Dibromo-chloropropane (DBCP) - 34 samples collected with most below the reporting level of detection limit of 0.01 ug/L. Four samples were reported above the reporting level at BCVWD 23; the highest concentration was reported at 0.048 ug/L in June 2019 while the latest concentration was 0.028 ug/L in December 2022. These concentrations are significantly below the current MCL of 0.2 ug/L.

4.2.4 pH

There are two secondary standards for pH, a lower limit of 6.5 and an upper limit of 8.5. There were two wells exceeding the upper MCL for pH during the reporting period, SMWC 4 at 9.0 (April 2019) and Tukwet A at 8.8 (Aug 2020). YVWD 48, previously reported at 8.7 (Jul 2017) is now below the upper limit at 8.1 (Jul 2020). In addition, there are a number of wells with pH in the 8.0 to 8.4 range including SMHOA 1 and 2 at 8.0, BCVWD No. 3, 21, 22, 25, and 29 at

8.1; BCVWD 16 and 24 and Banning C2A at 8.2. The lowest pH was reported from Plantation No. 1 at 7.5 (Mar 2020). Four wells in the basin exceeded the upper limit for pH during the FY 2004-08 reporting period.

4.2.5 Turbidity

Turbidity is a measure of the cloudiness of water and is used to indicate water quality and filtration effectiveness. Previous annual reports reported that all production wells in the Basin tested for turbidity none exceeded the primary federal and state MCL of 5 NTU. During the 2019-2023 reporting period, most wells had turbidity levels below 0.5 NTU. BCVWD 3's turbidity was reported at 1.3 NTU in December 2023 and RCMHP 2 at 0.7 NTU (April 2019).

4.3 Historical TDS Concentrations for Selected Wells in the Beaumont, Singleton, and South Beaumont Basins

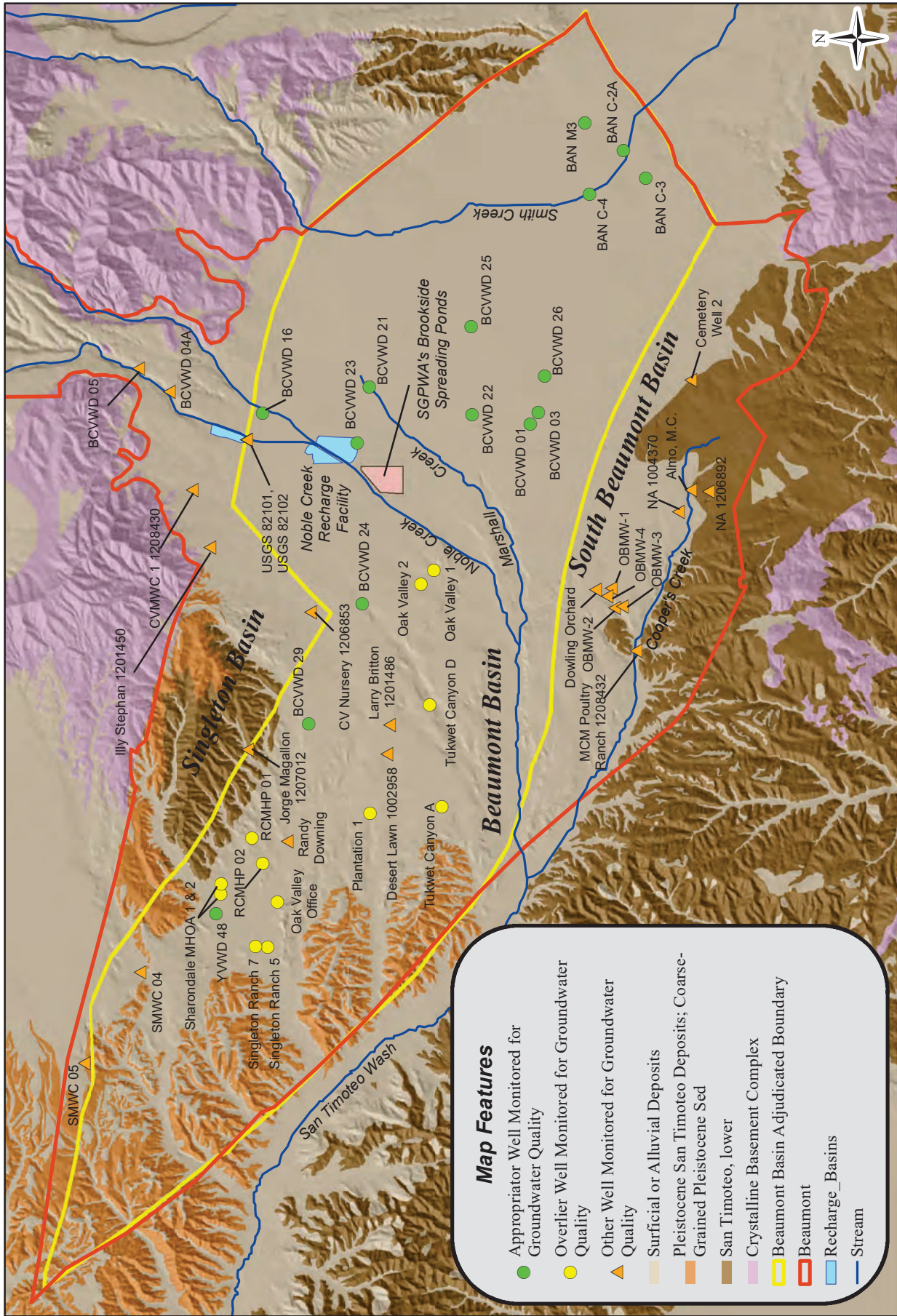
Historical water quality records since 1974 from The California Department of Health Services GAMA database and water quality collected as part of the Beaumont Management Zone Maximum Benefit Monitoring Program were combined to develop historical TDS concentrations. The following figures illustrate historical TDS for selected wells around the basin.

- ✓ Figure 4-4 – Noble Creek Area
- ✓ Figure 4-5 – East of Marshall Creek
- ✓ Figure 4-6 – Banning Area
- ✓ Figure 4-7 – West of Noble Creek
- ✓ Figure 4-8 – Northwest Area
- ✓ Figure 4-9 – Singleton Basin
- ✓ Figure 4-10 – South Beaumont Basin

4.4 Historical Nitrate (as N) Concentrations for Selected Wells in the Beaumont, Singleton, and South Beaumont Basins

Similarly, the figures below illustrate historical nitrate (as N) concentrations for selected wells around the basin.

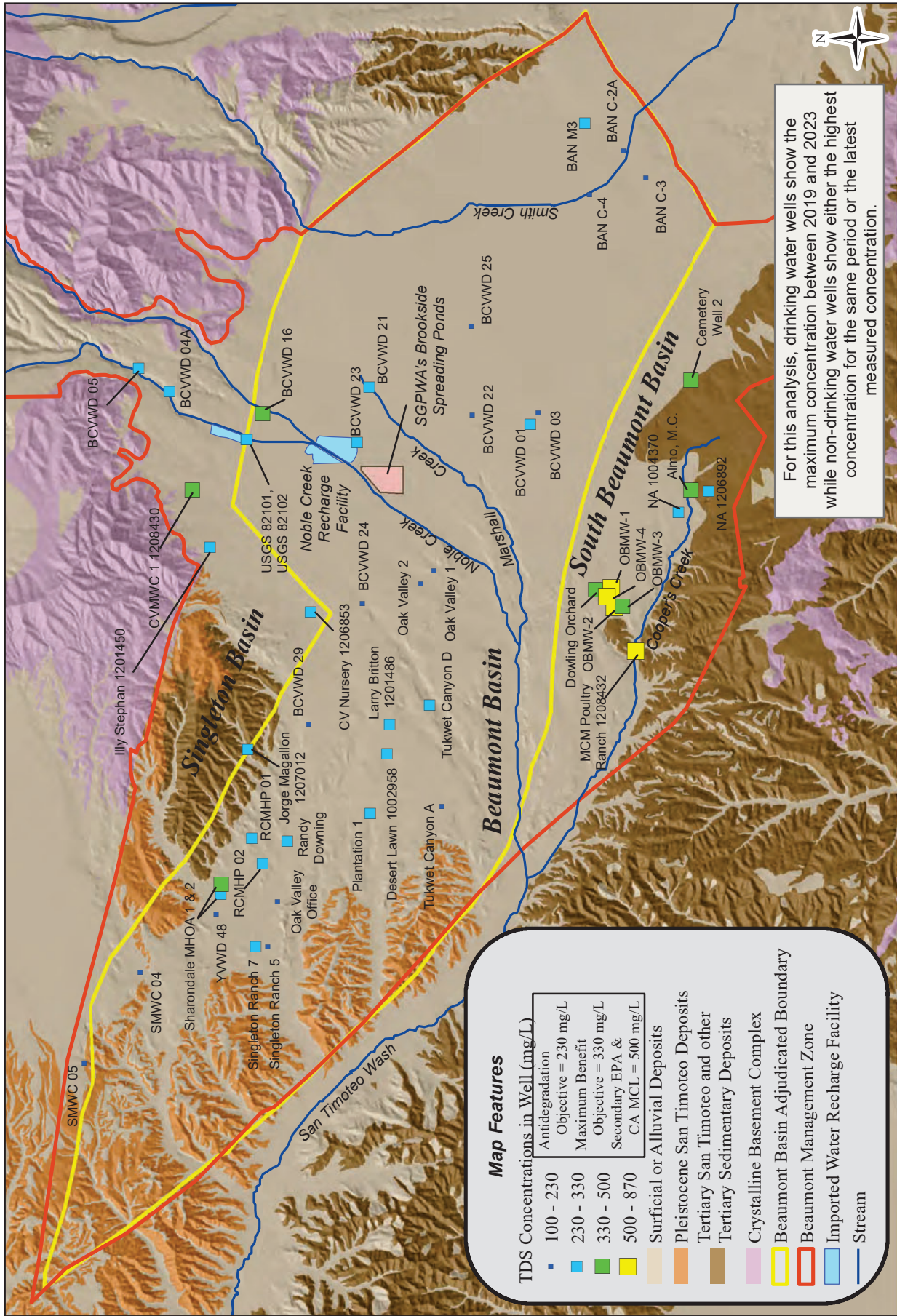
- ✓ Figure 4-11 – Noble Creek Area
- ✓ Figure 4-12 – East of Marshall Creek
- ✓ Figure 4-13 – Banning Area
- ✓ Figure 4-14 – West of Noble Creek
- ✓ Figure 4-15 – Northwest Area
- ✓ Figure 4-16 – Singleton Basin
- ✓ Figure 4-17 – South Beaumont Basin



Wells with Groundwater Quality Data in the Beaumont Basin Area
Figure 4-1

0 0.5 1 2 Miles
NAD 83 UTM Zone 11
March 2024

Alda, Inc. in association with
Thomas Harder & Co.
Groundwater Consulting



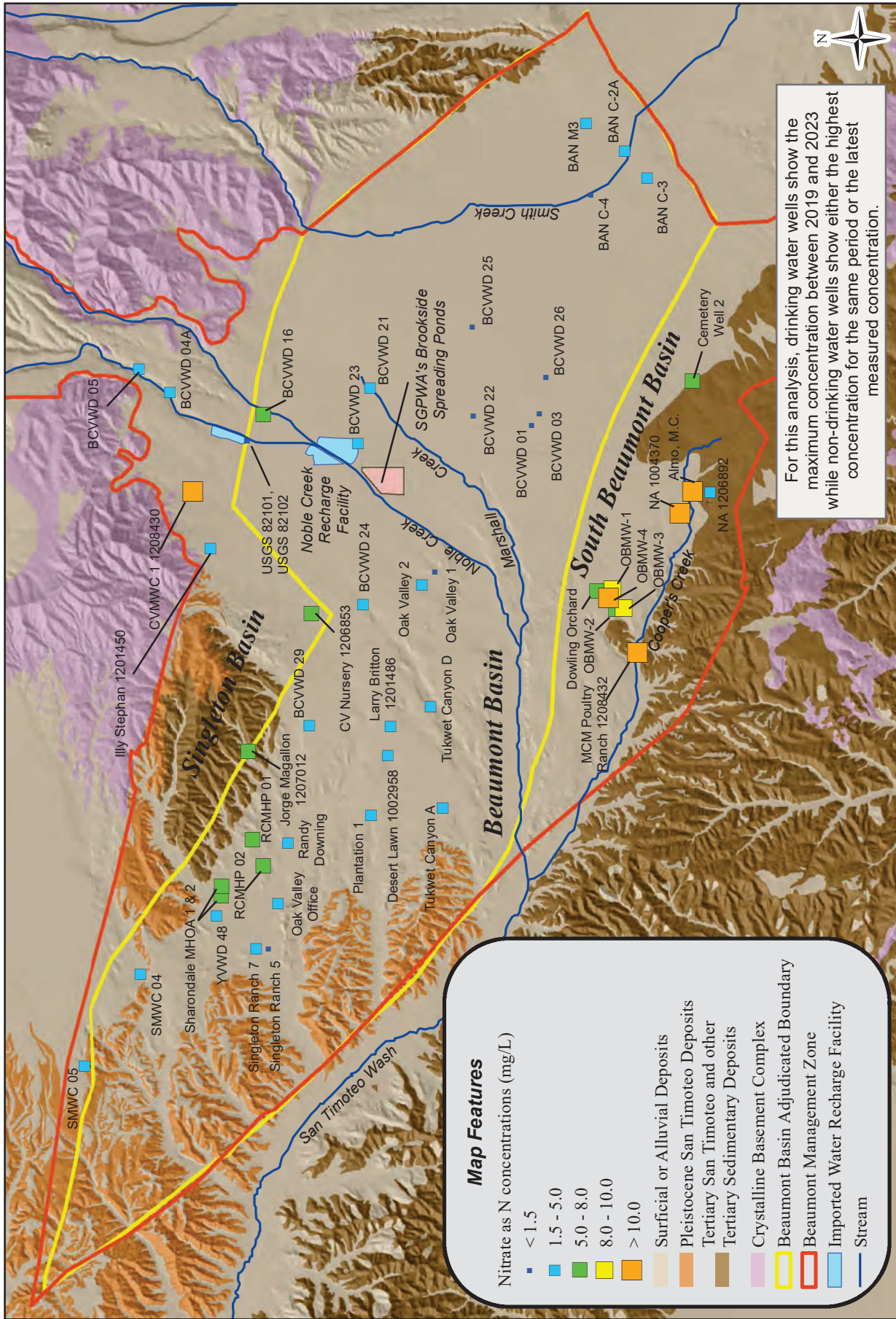
Total Dissolved Solids in Groundwater (Maximum Concentrations 2019 to 2023)

Figure 4-2

0 0.5 1 2 Miles
NAD 83 UTM Zone 11

March 2024

Alda, Inc. in association with
Thomas Harder & Co.
 Groundwater Consulting



**Nitrate in Groundwater
(Maximum Concentrations 2019 to 2023)**
Figure 4-3

March 2024

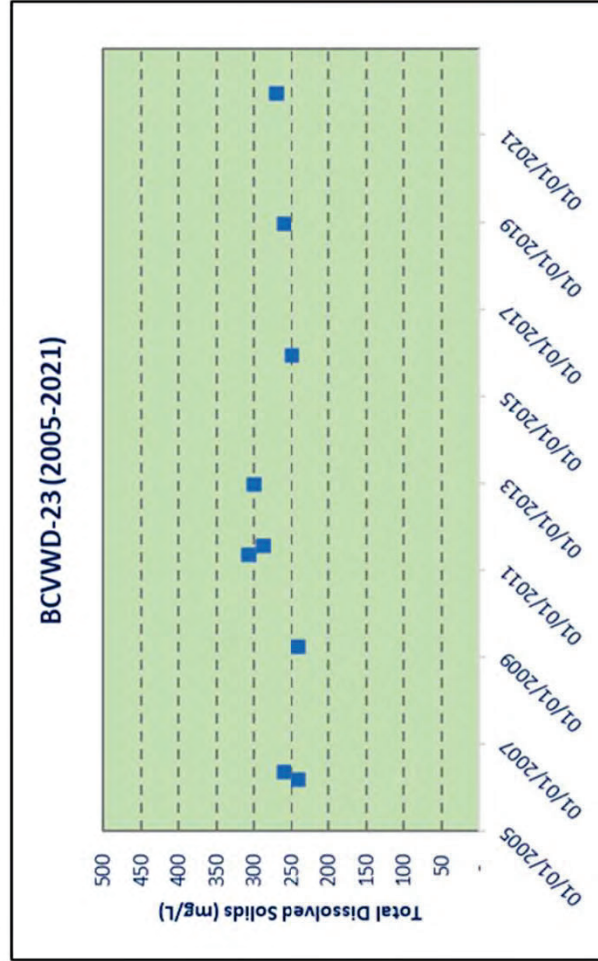
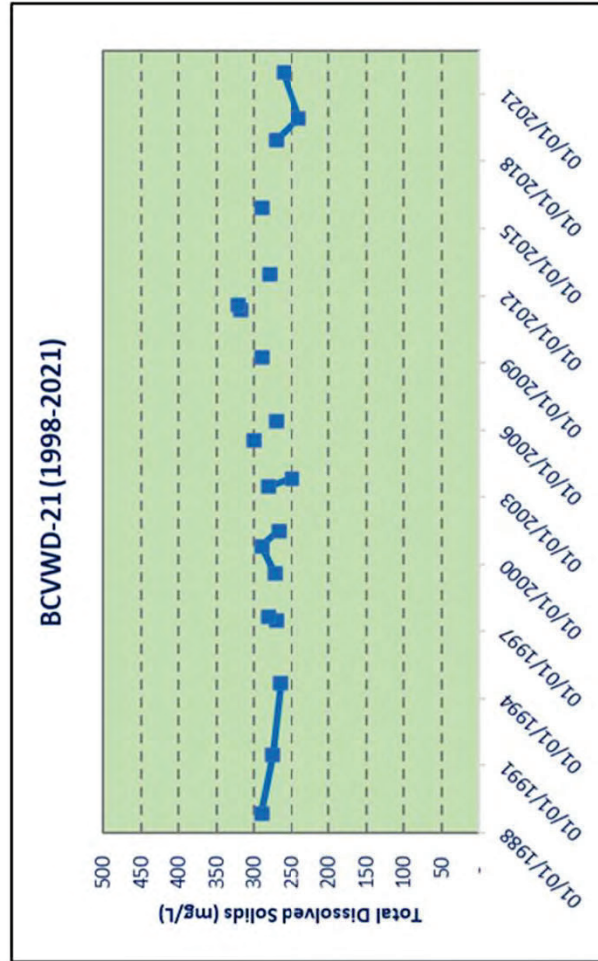
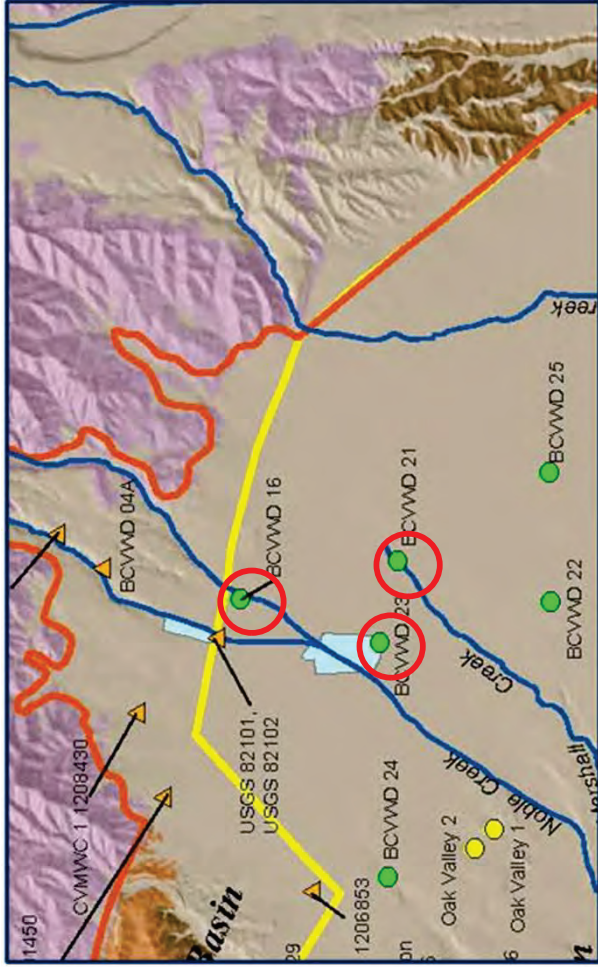
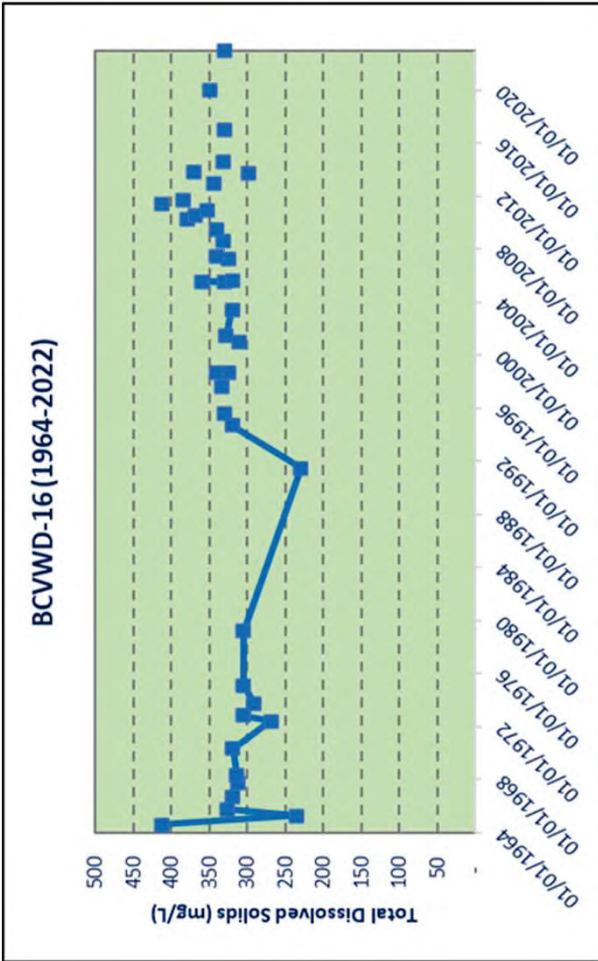


Figure 4-4
Noble Creek Area – Historical Total Dissolved Solids Concentration

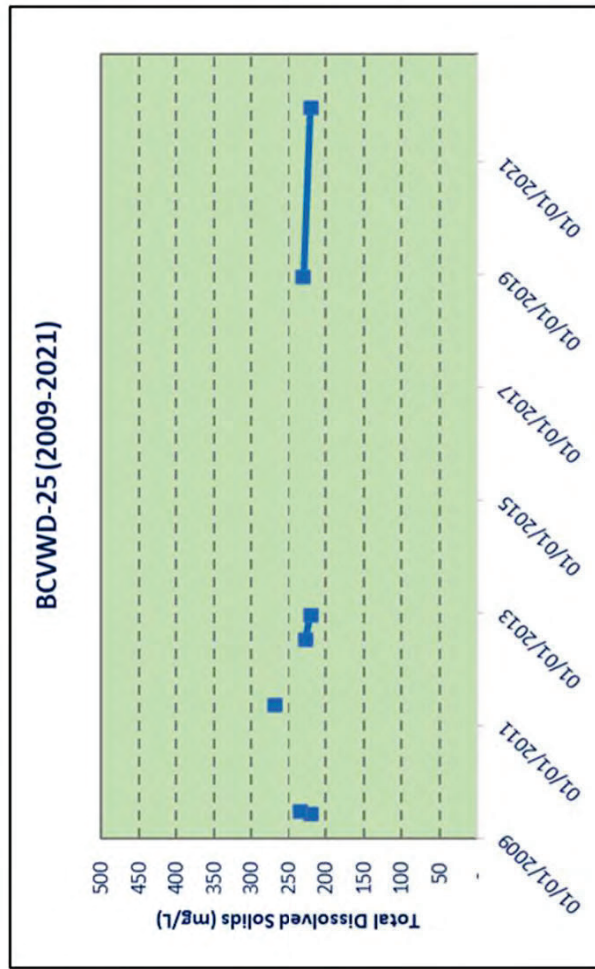
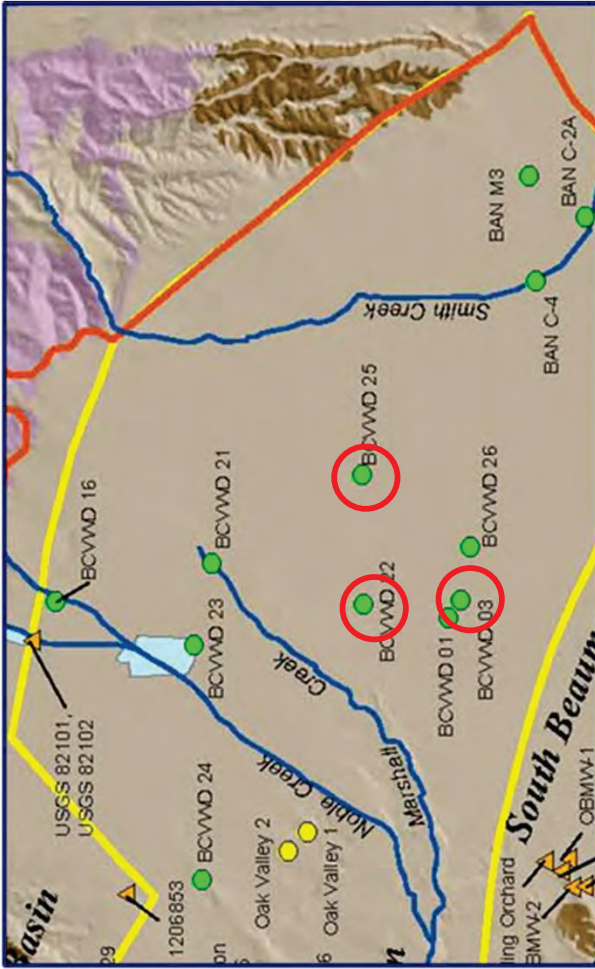
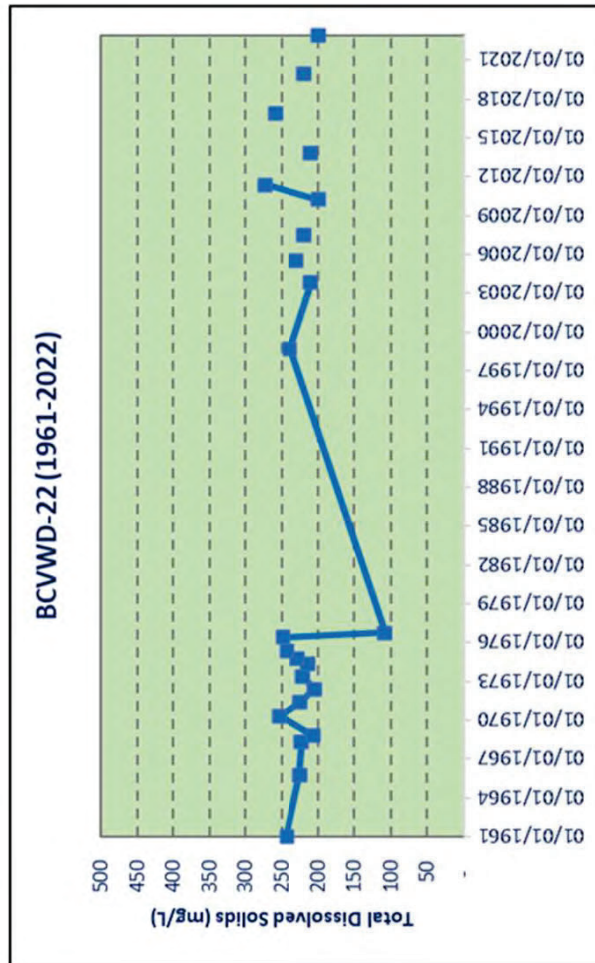
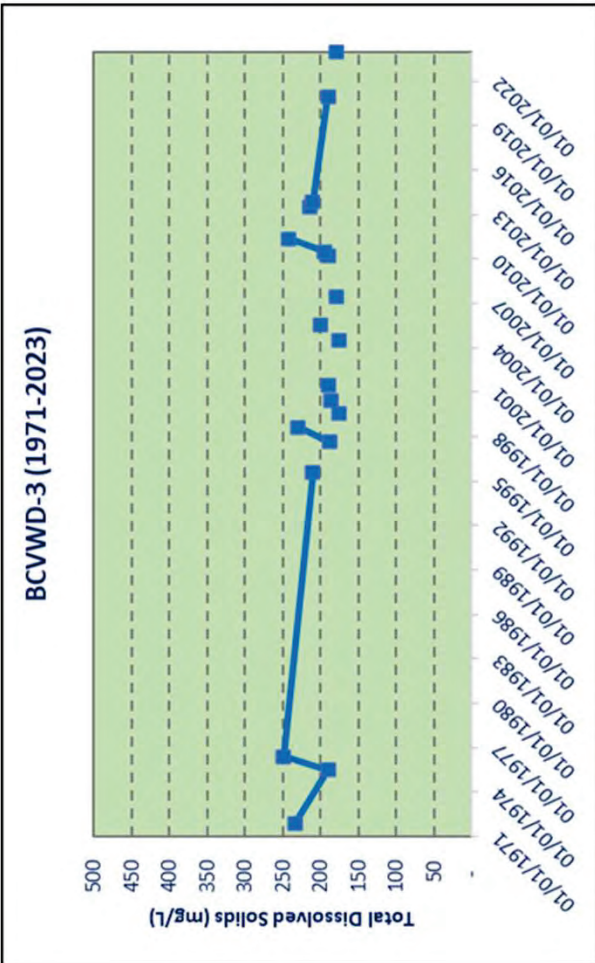


Figure 4-5
East of Marshall Creek – Historical Total Dissolved Solids Concentration

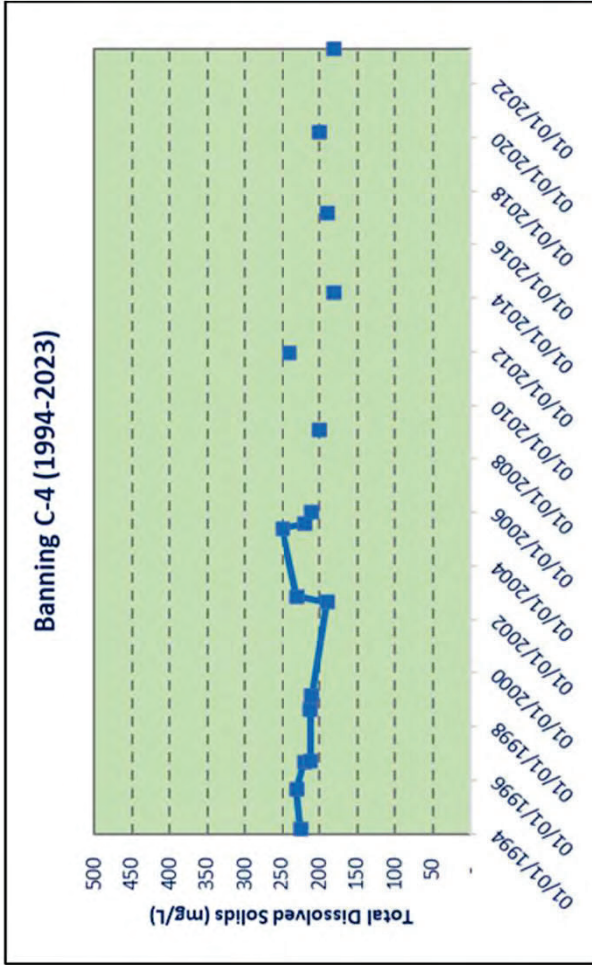
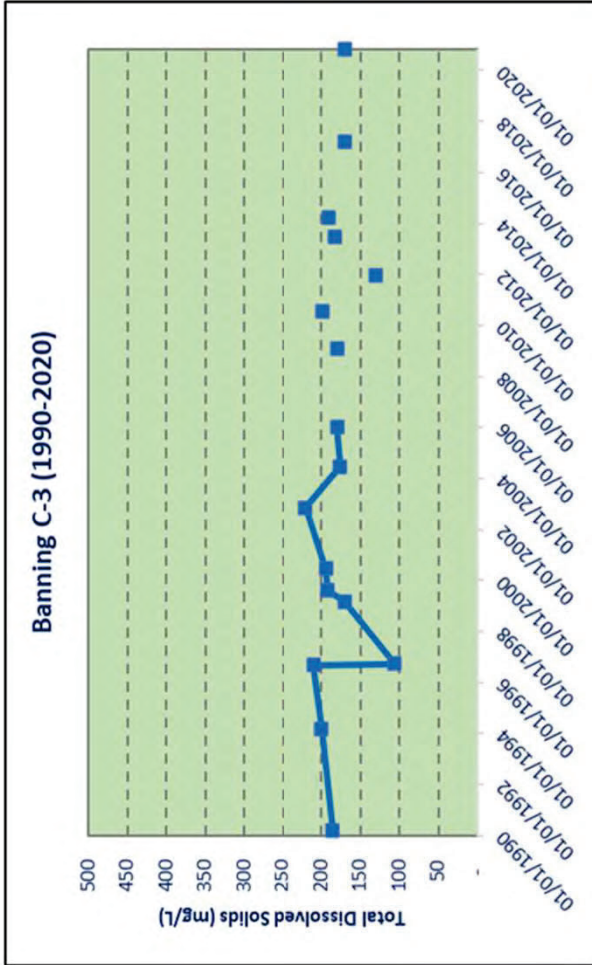
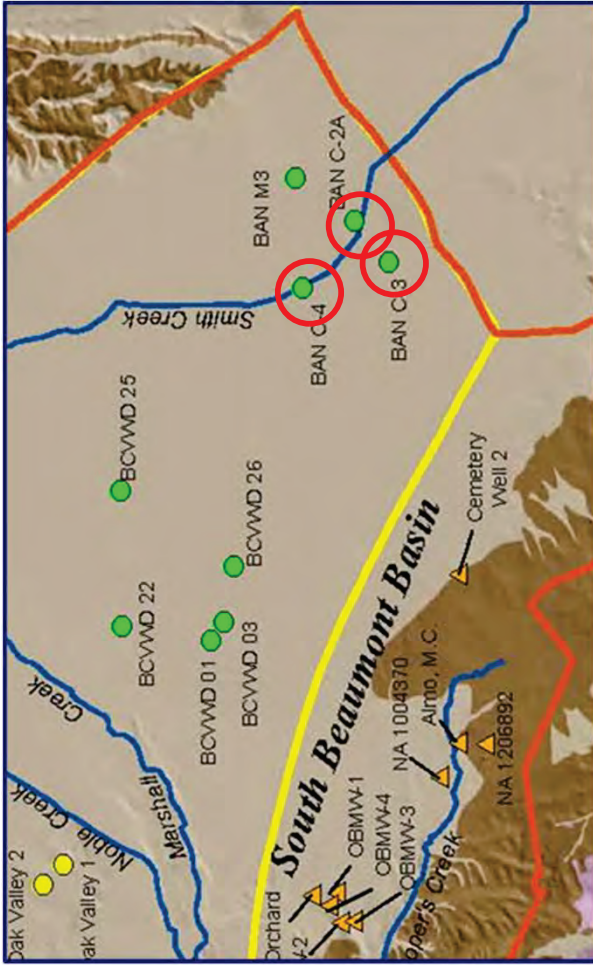
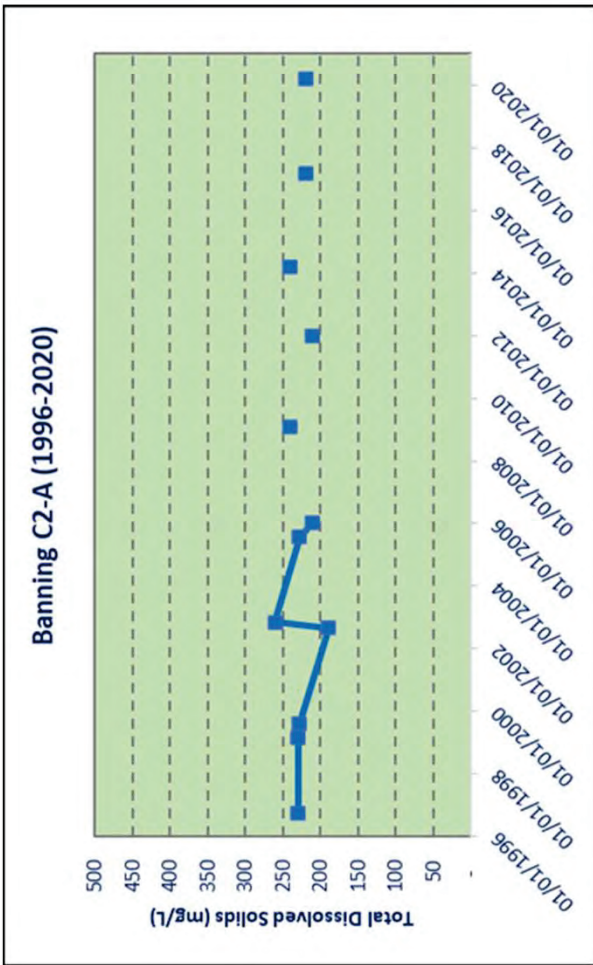


Figure 4-6
Banning Area – Historical Total Dissolved Solids Concentration

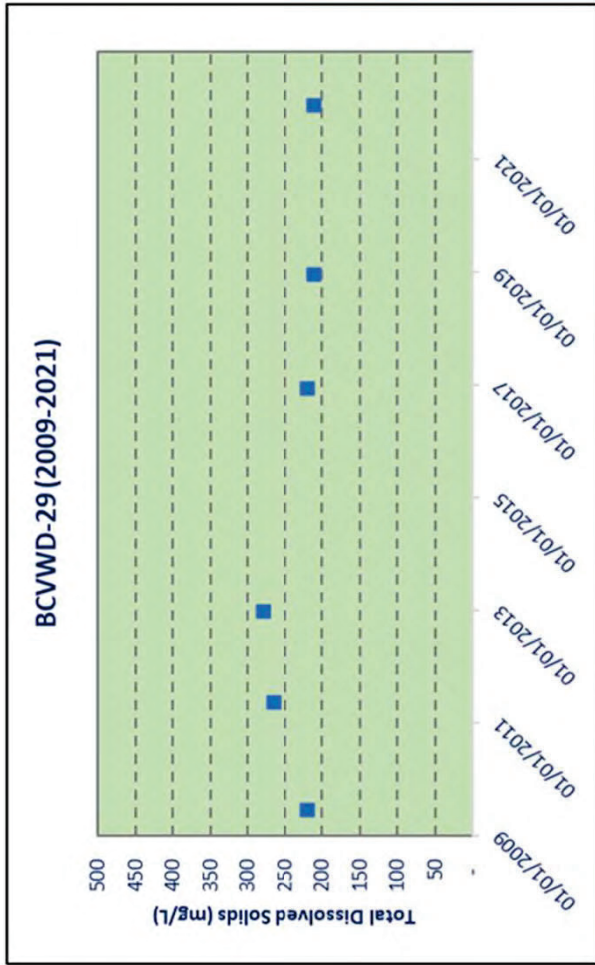
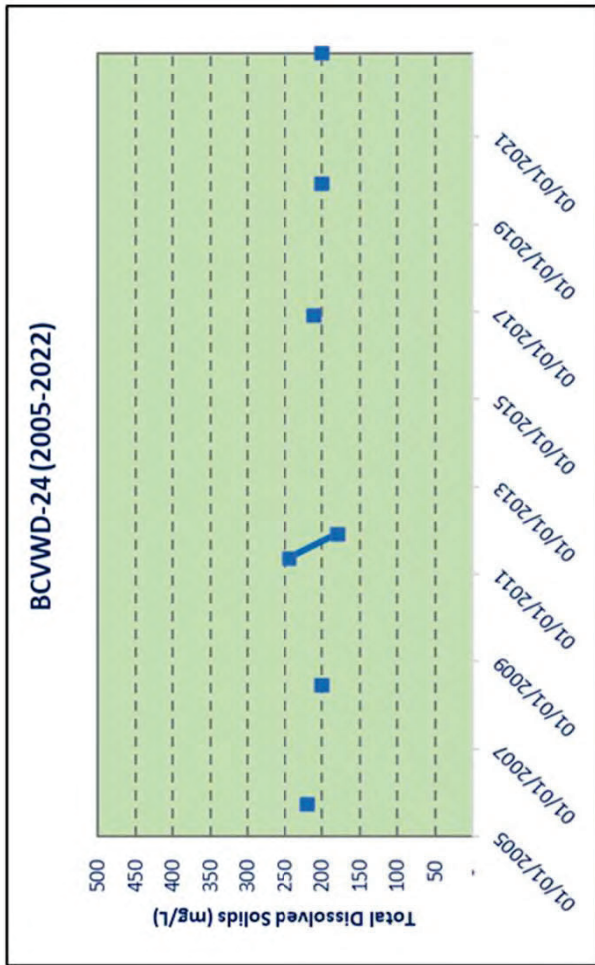
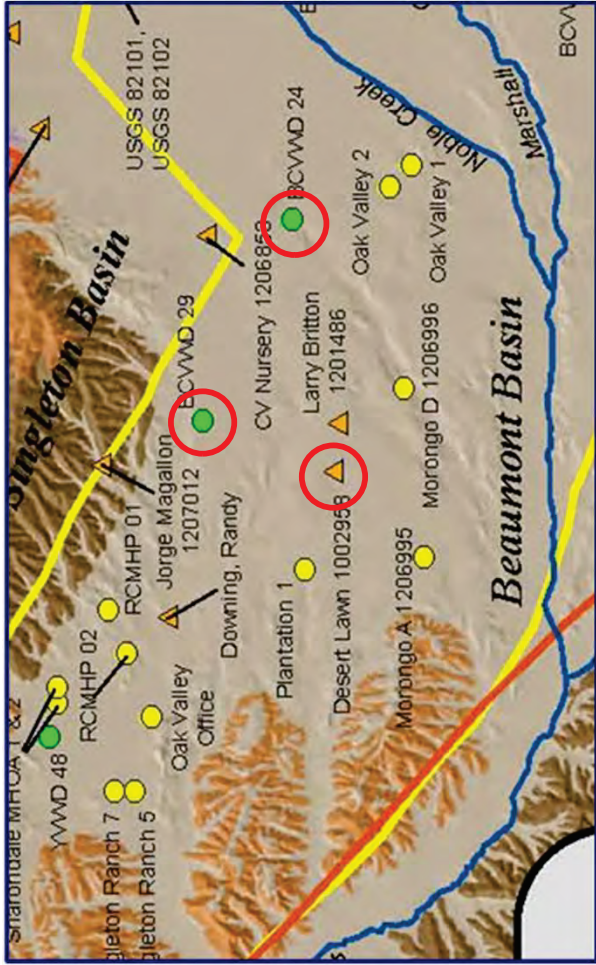
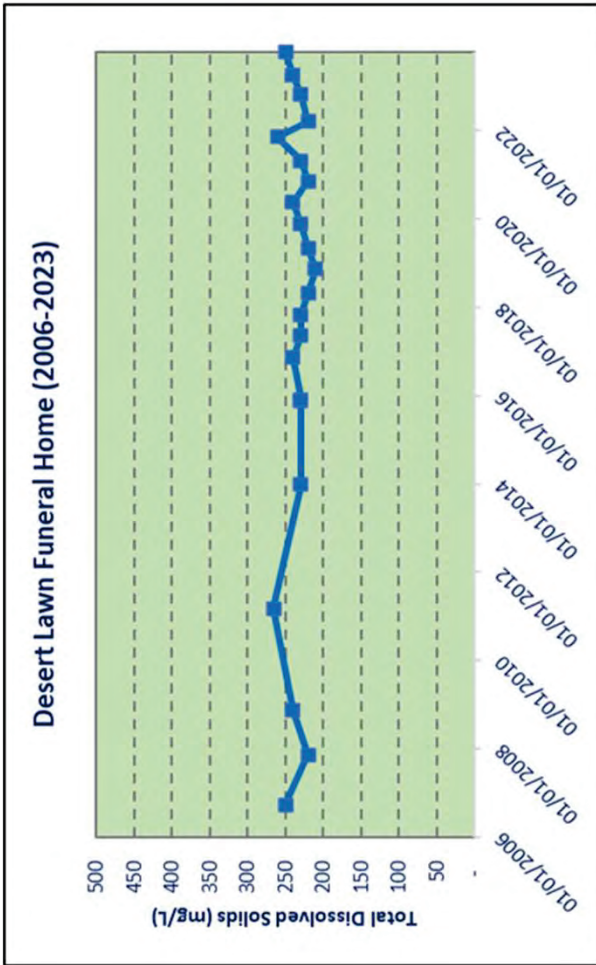


Figure 4-7
West of Noble Creek – Historical Total Dissolved Solids Concentration

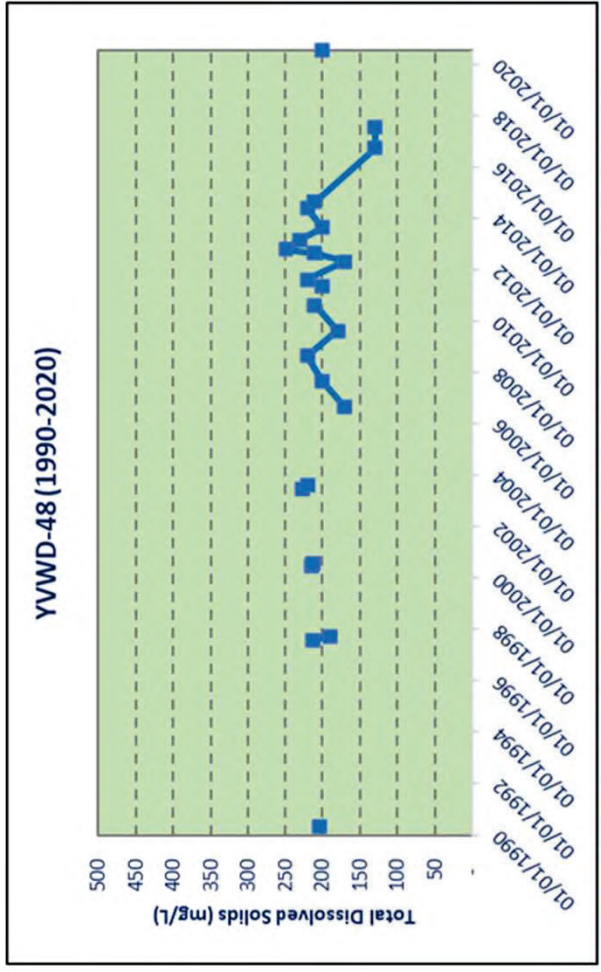
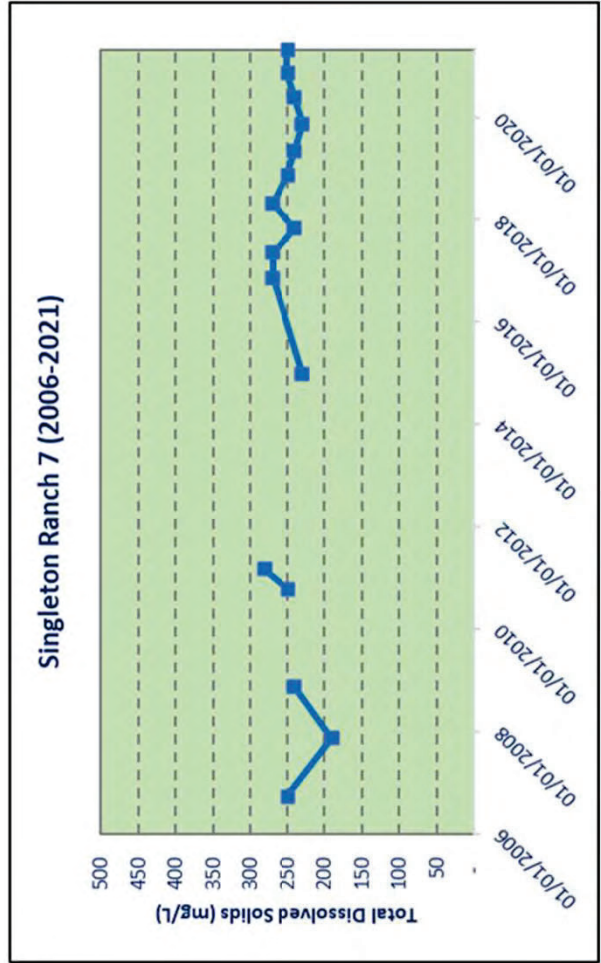
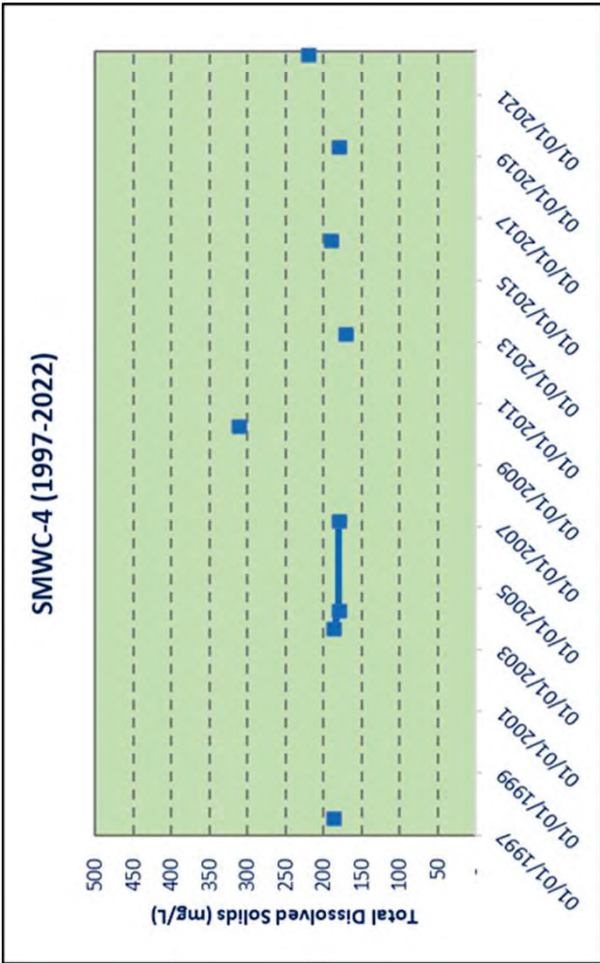


Figure 4-8 Northwest Area – Historical Total Dissolved Solids Concentration

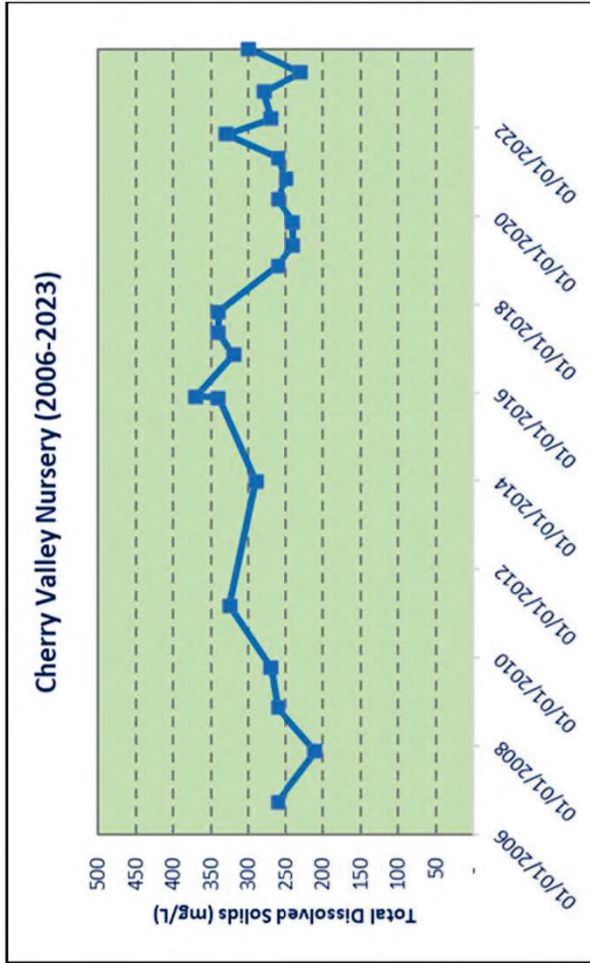
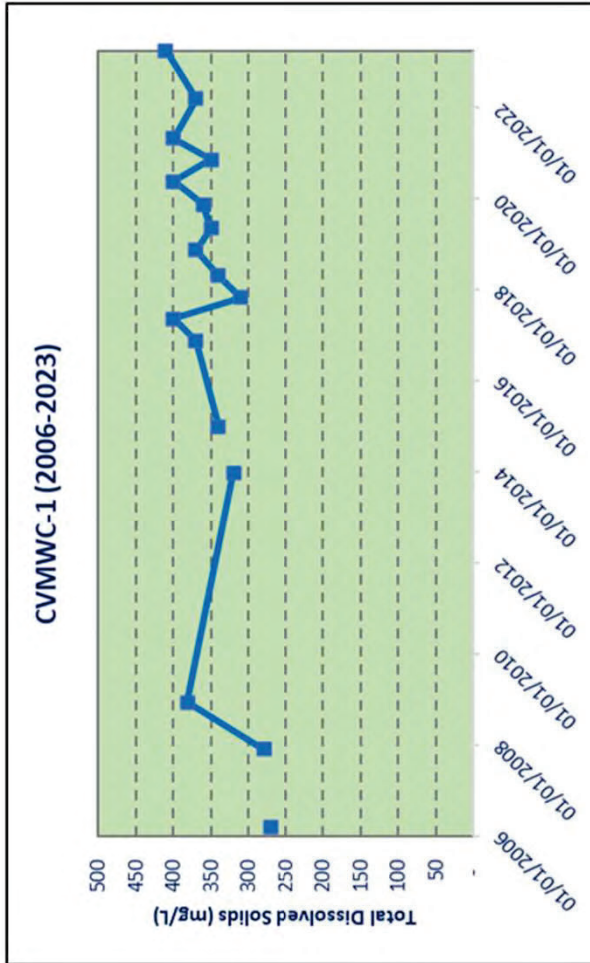
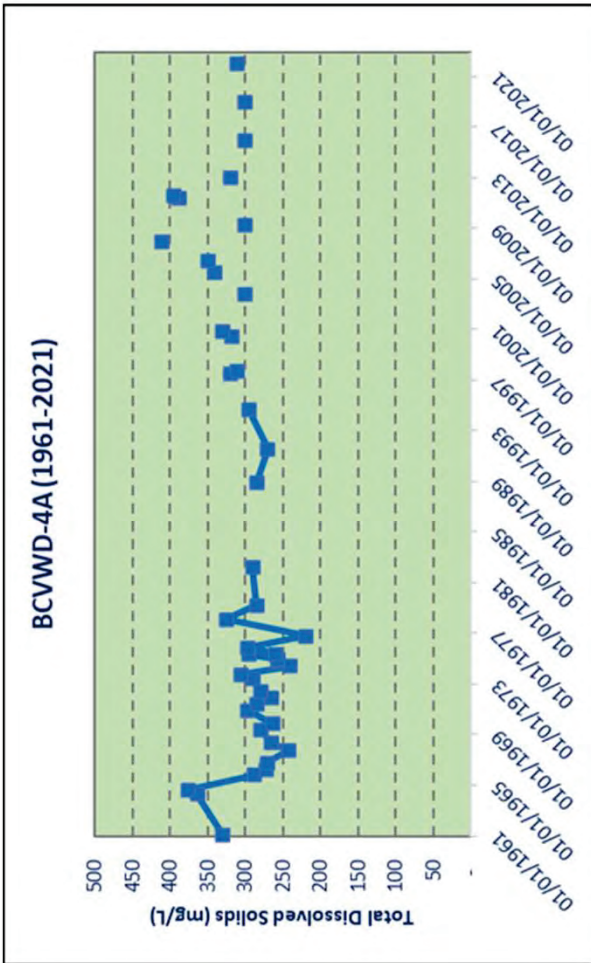


Figure 4-9
Singleton Basin – Historical Total Dissolved Solids Concentration

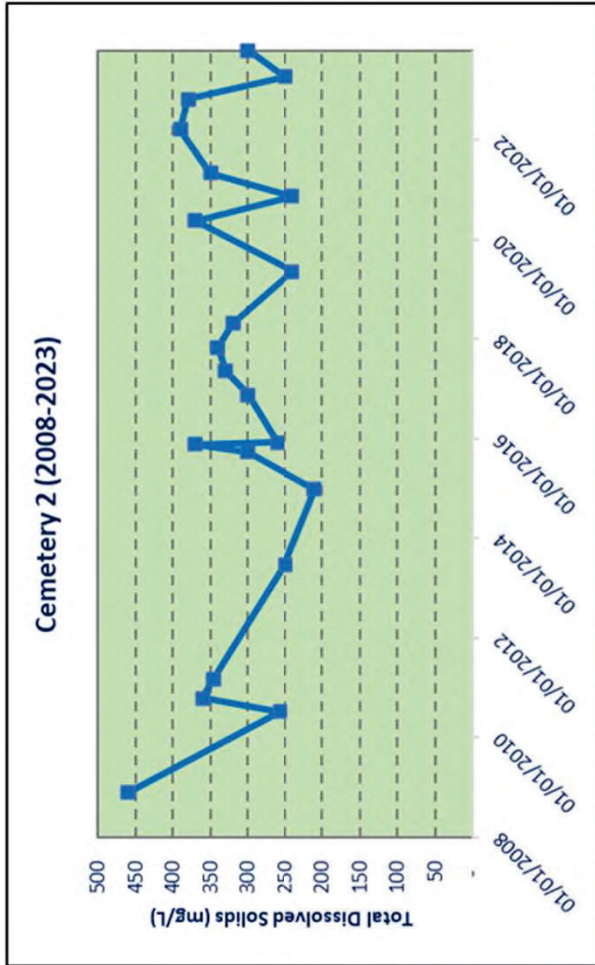
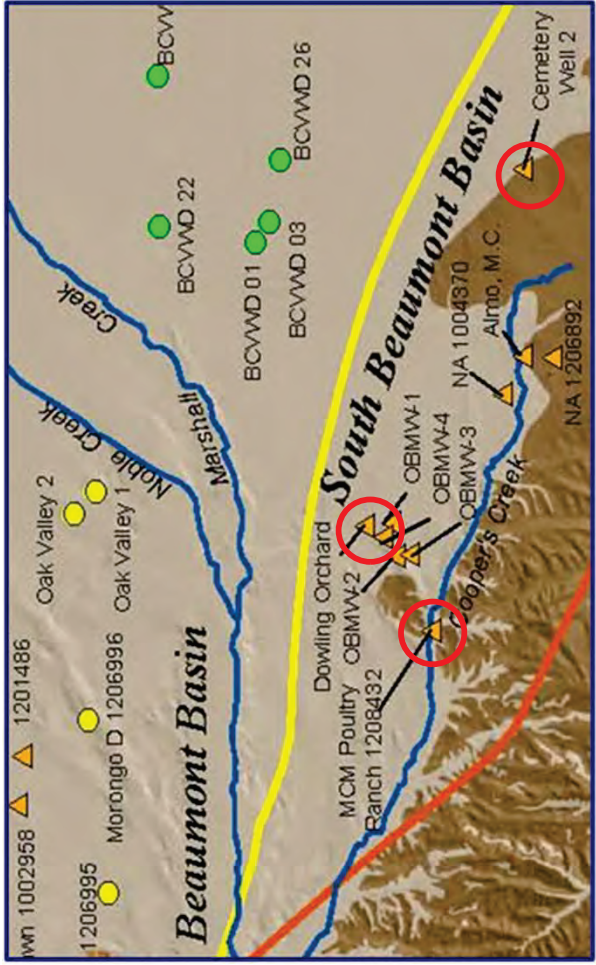
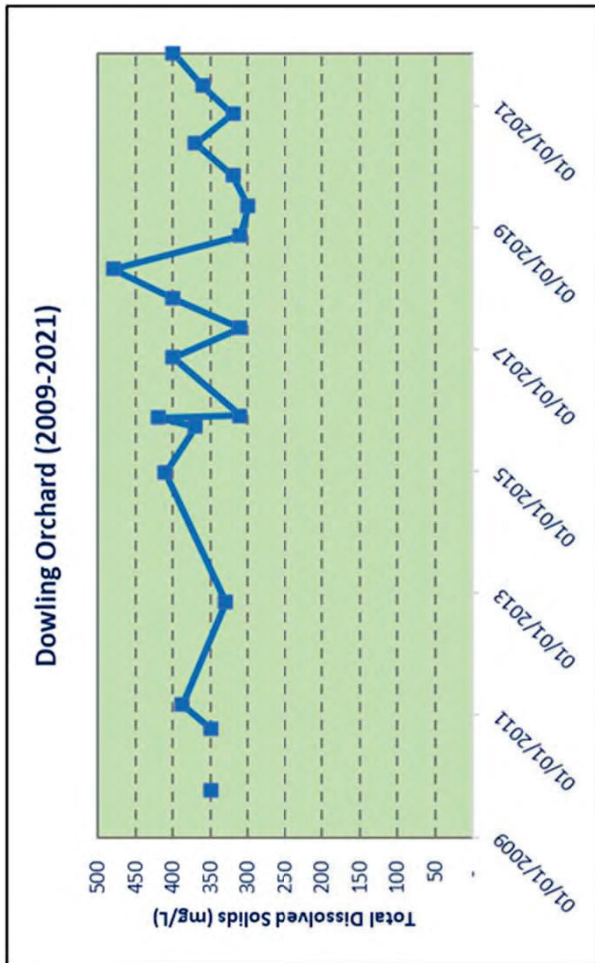
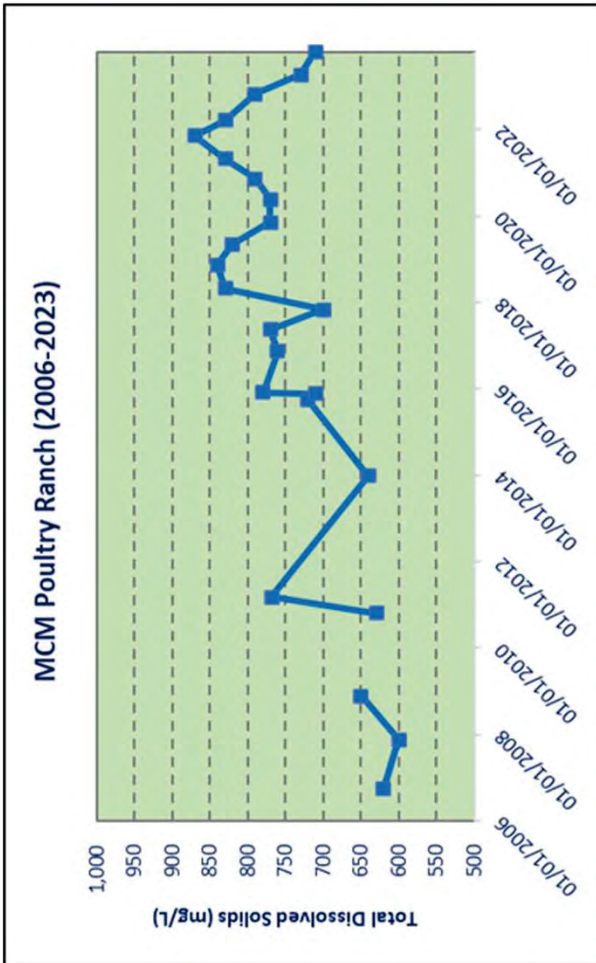


Figure 4-10
South Beaumont Basin – Historical Total Dissolved Solids Concentration

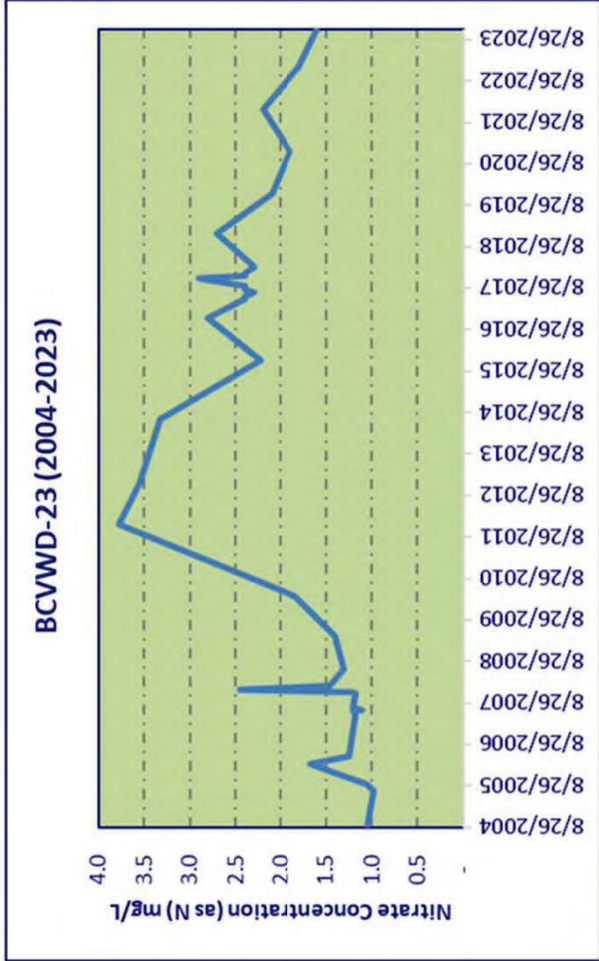
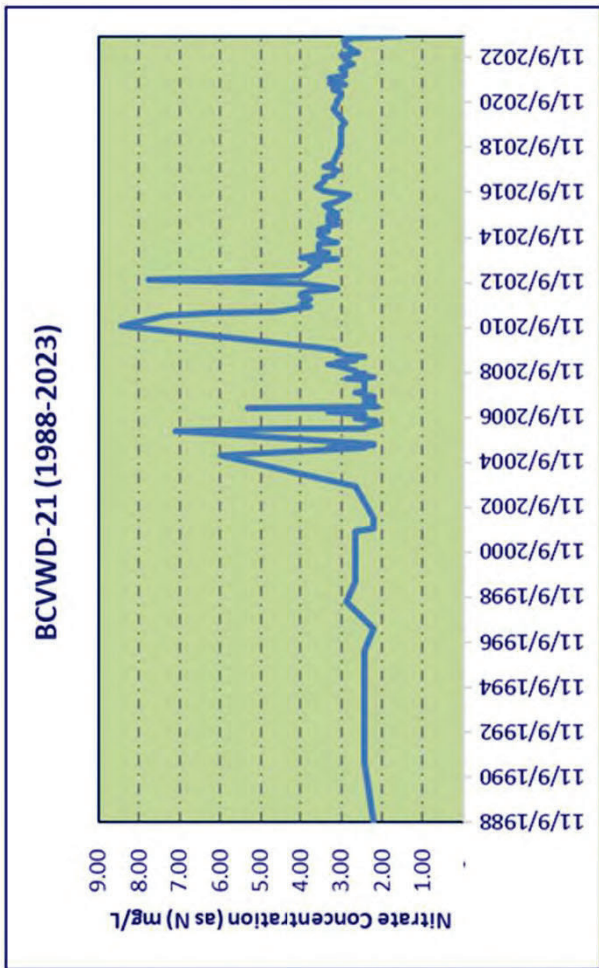
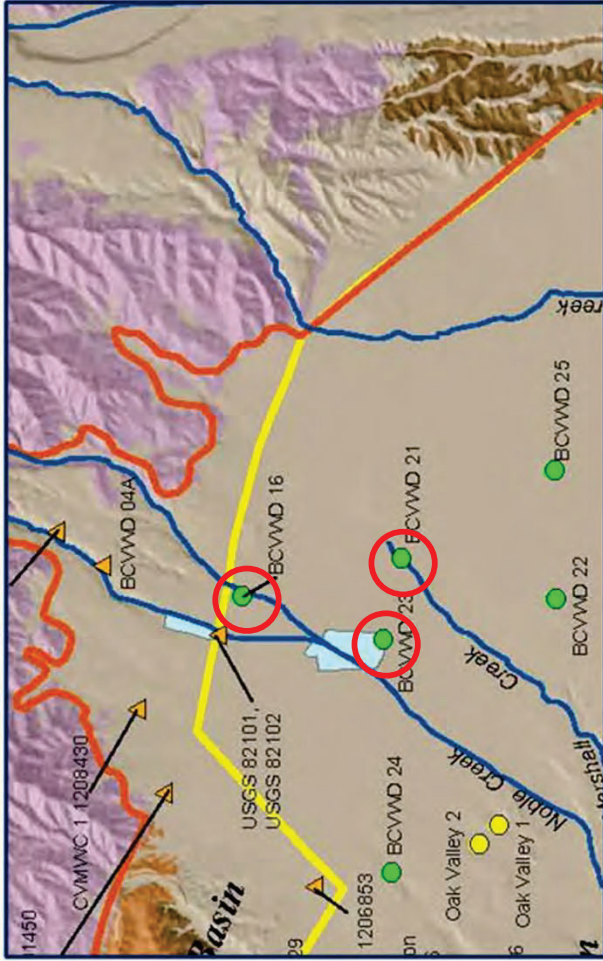
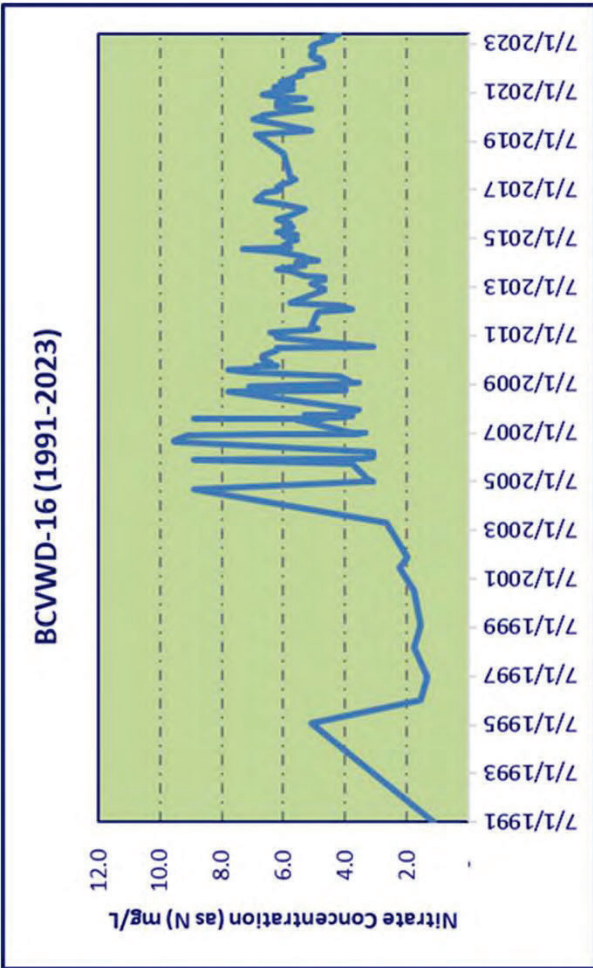


Figure 4-11
Noble Creek Area – Historical Nitrate Concentration

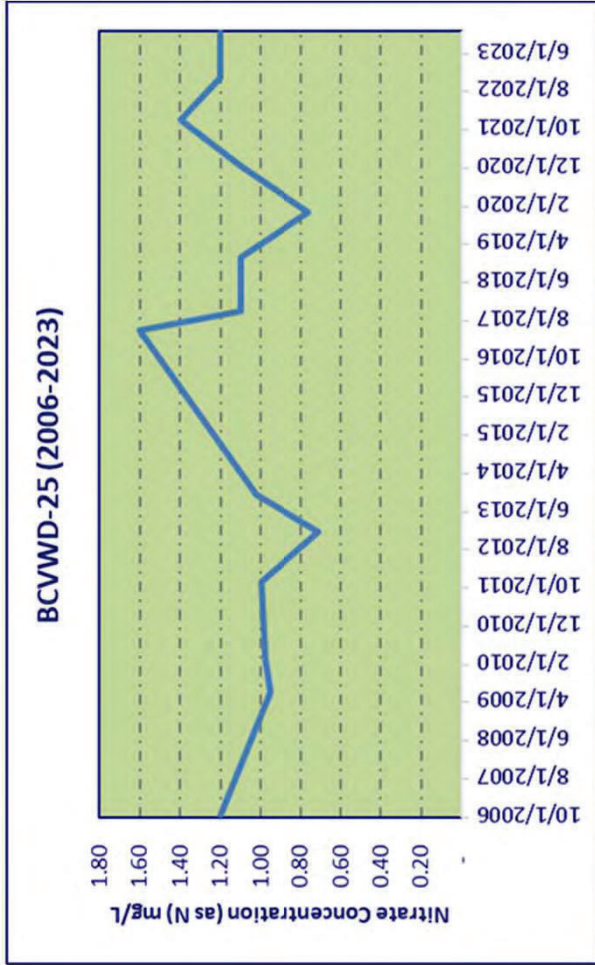
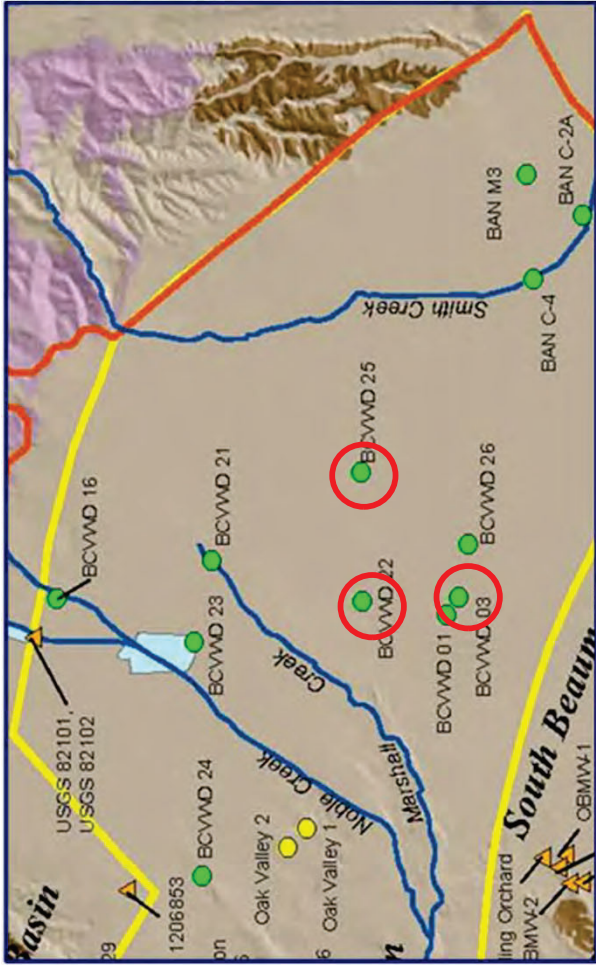
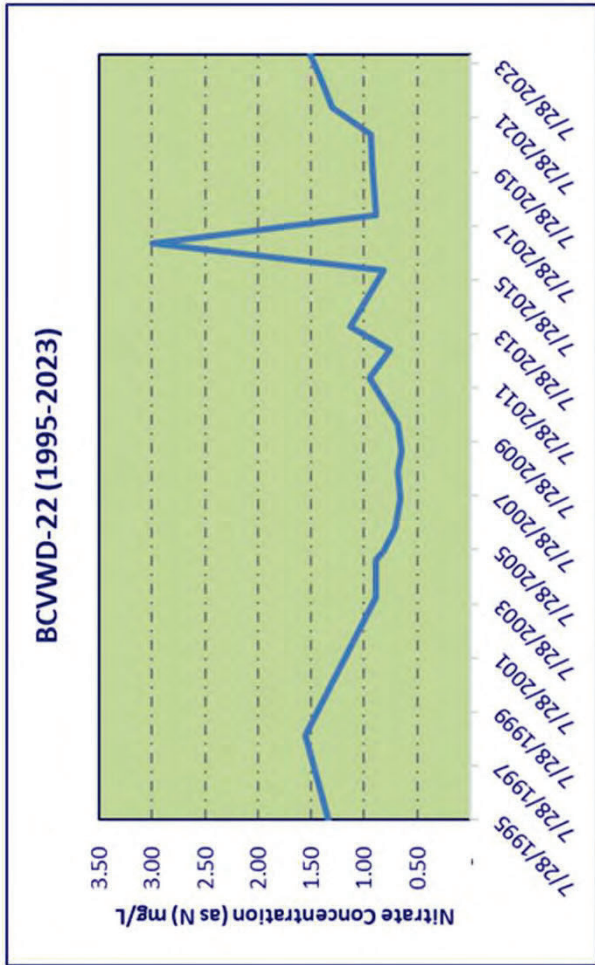
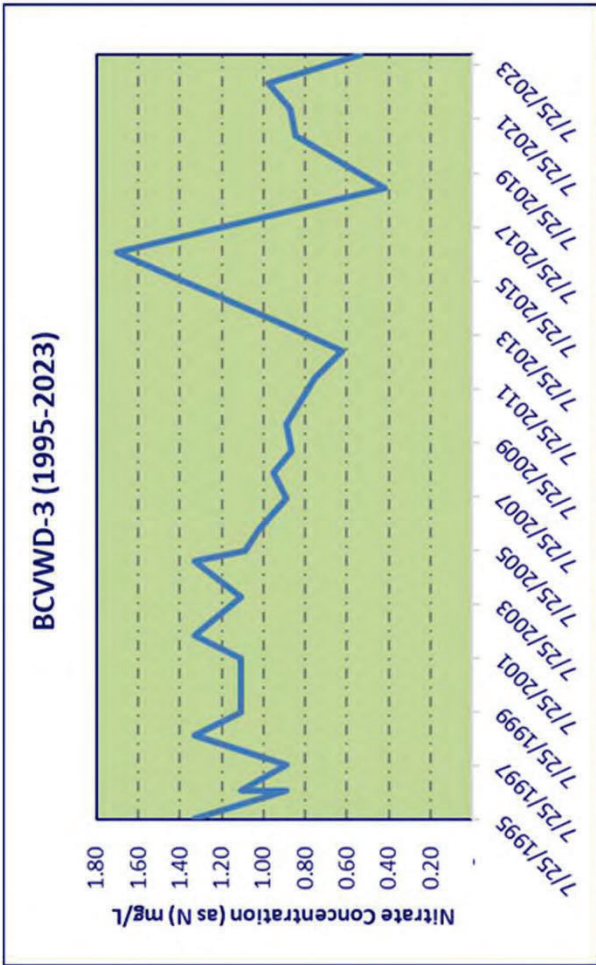


Figure 4-12
East of Marshall Creek – Historical Nitrate Concentration

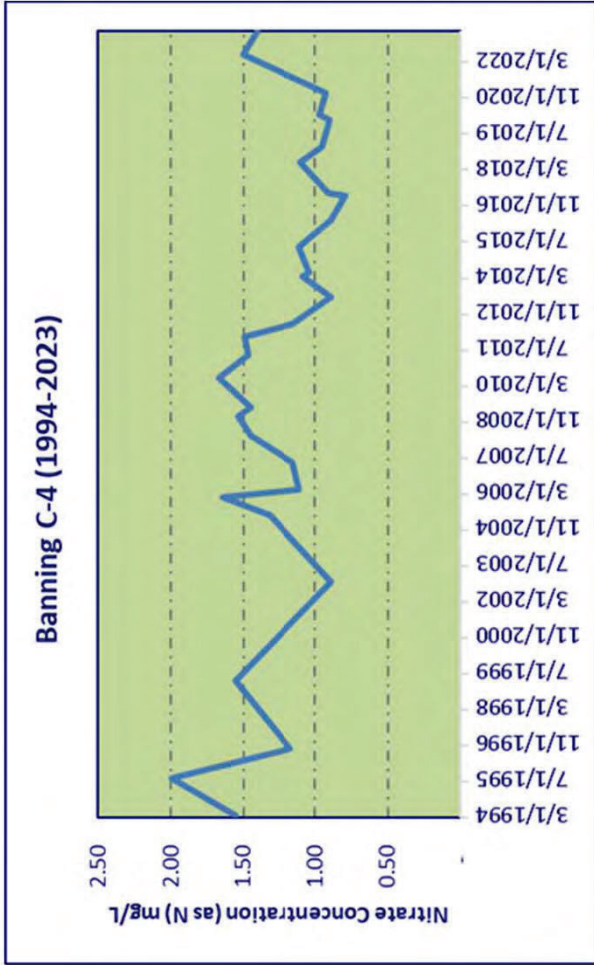
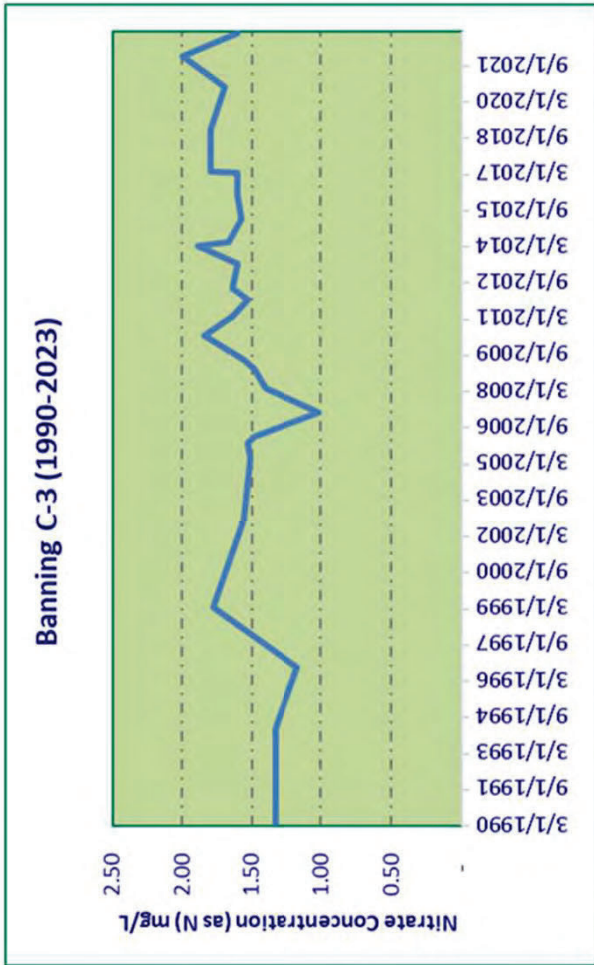
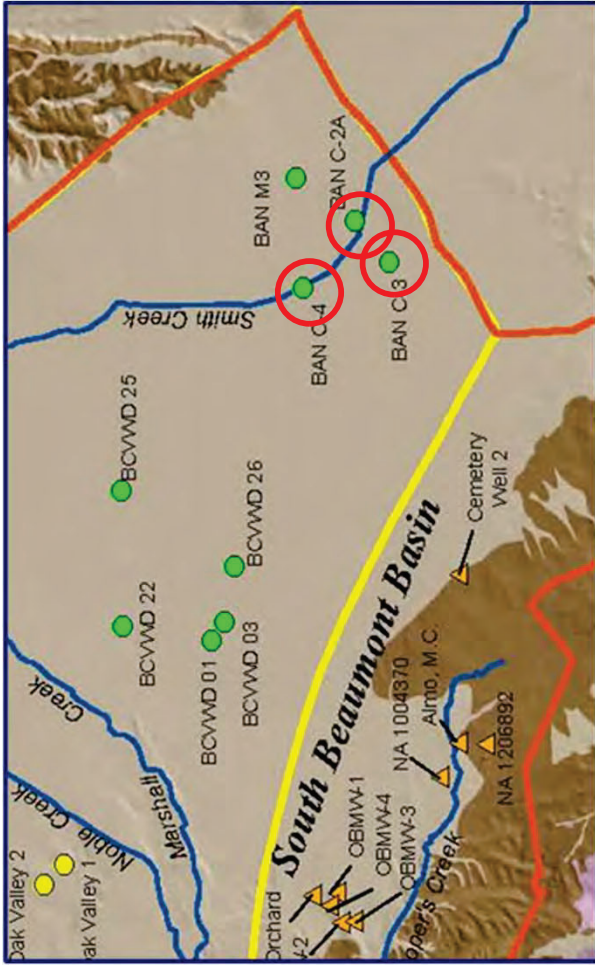
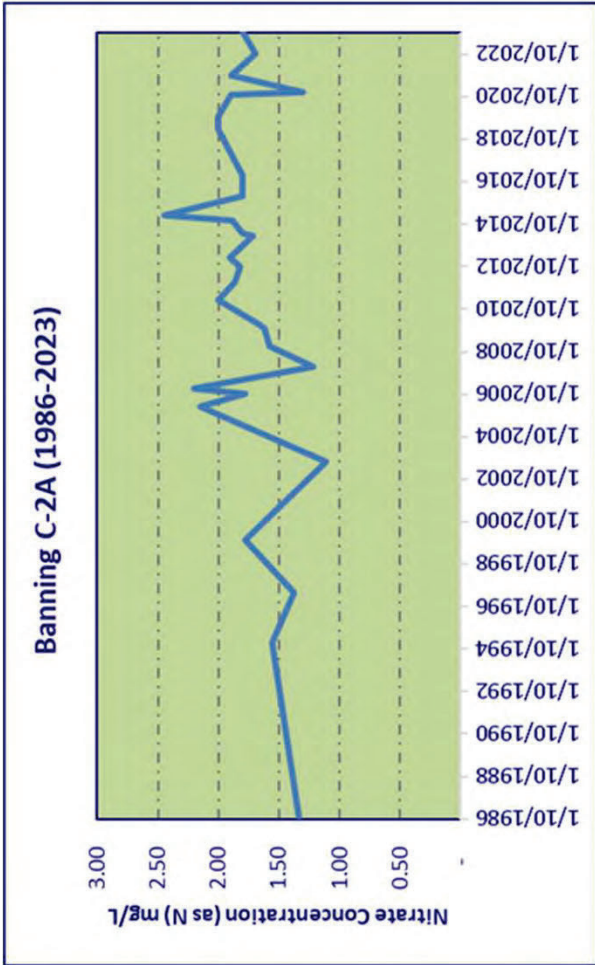


Figure 4-13
Banning Area – Historical Nitrate Concentration

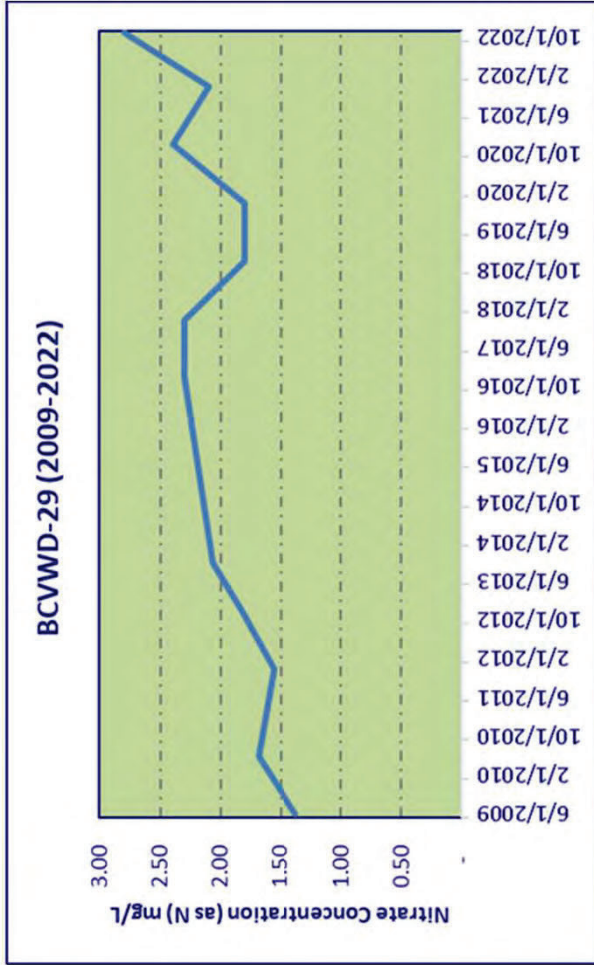
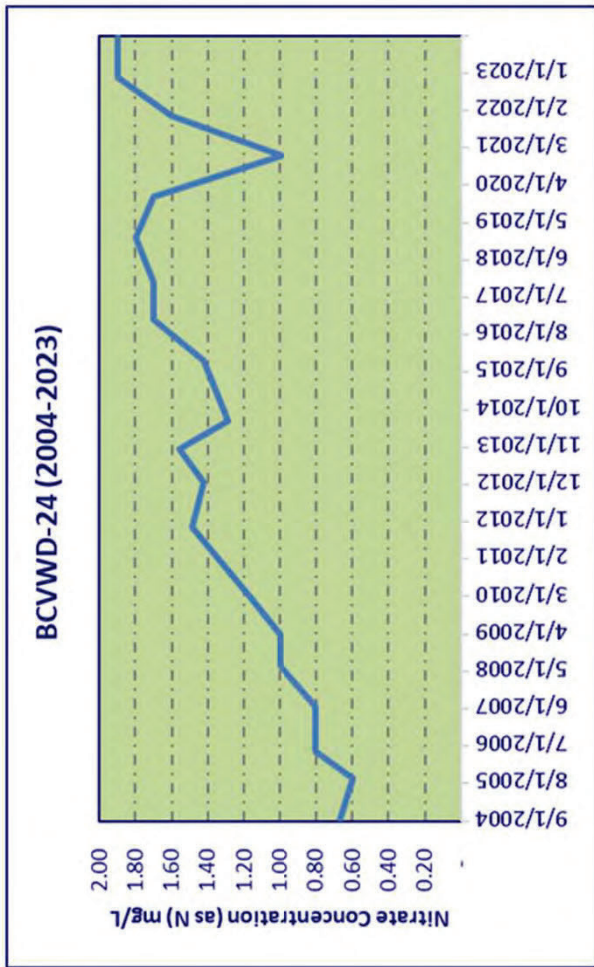
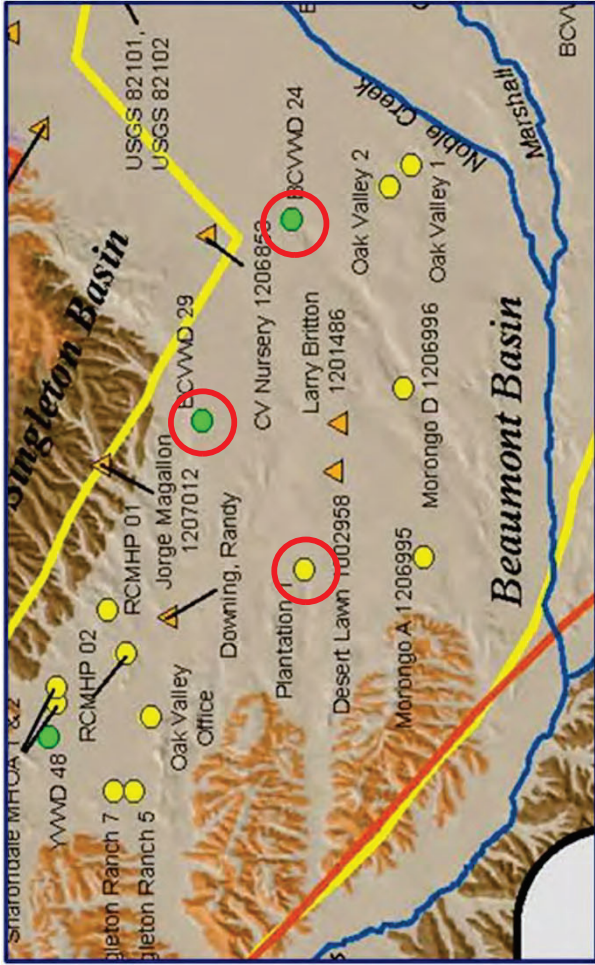
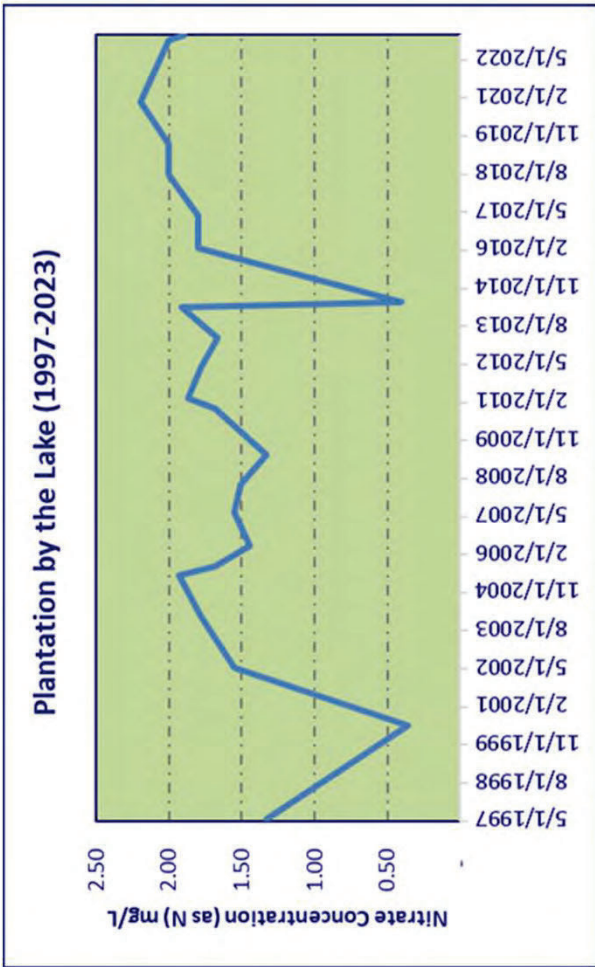


Figure 4-14
West of Noble Creek – Historical Nitrate Concentration

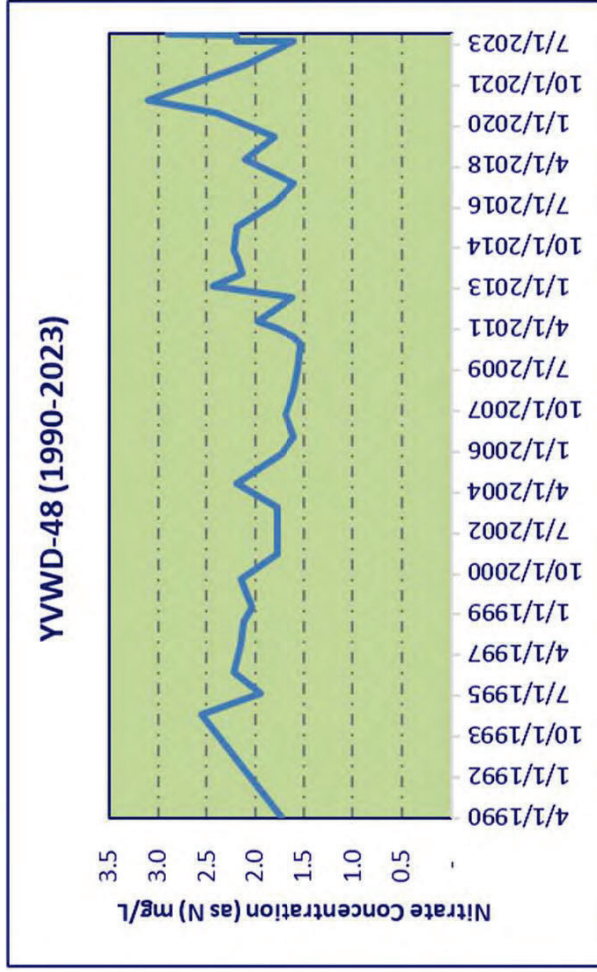
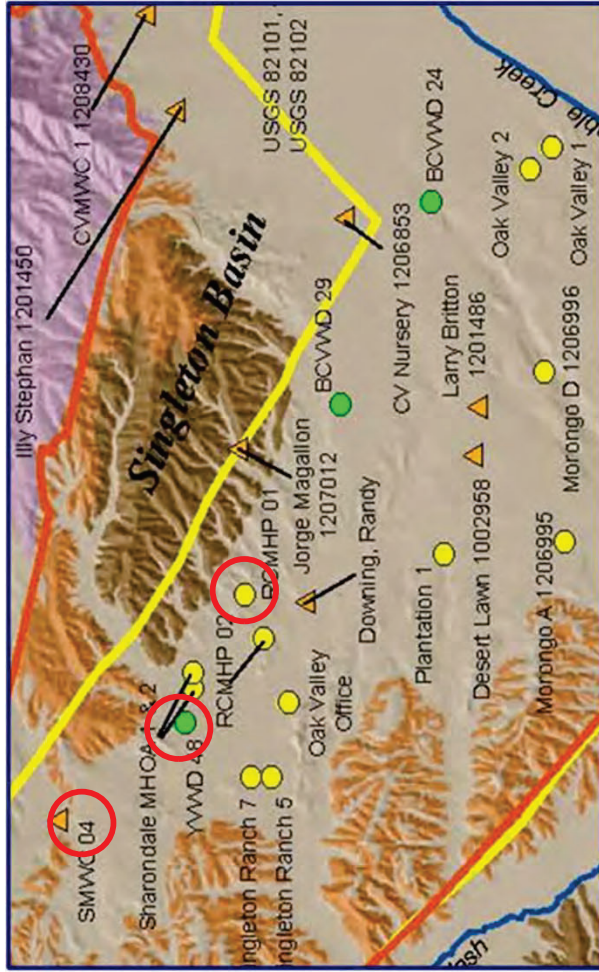
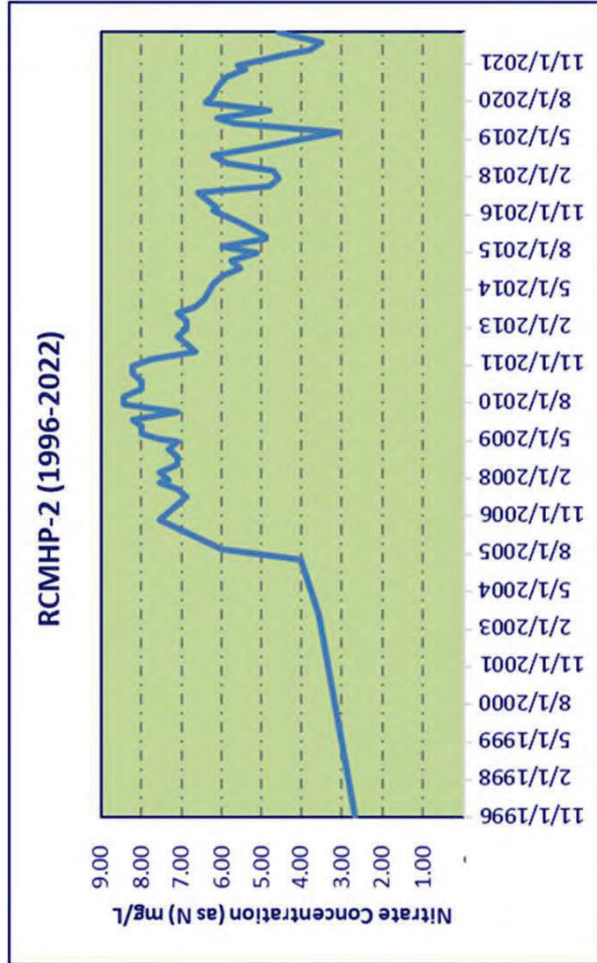
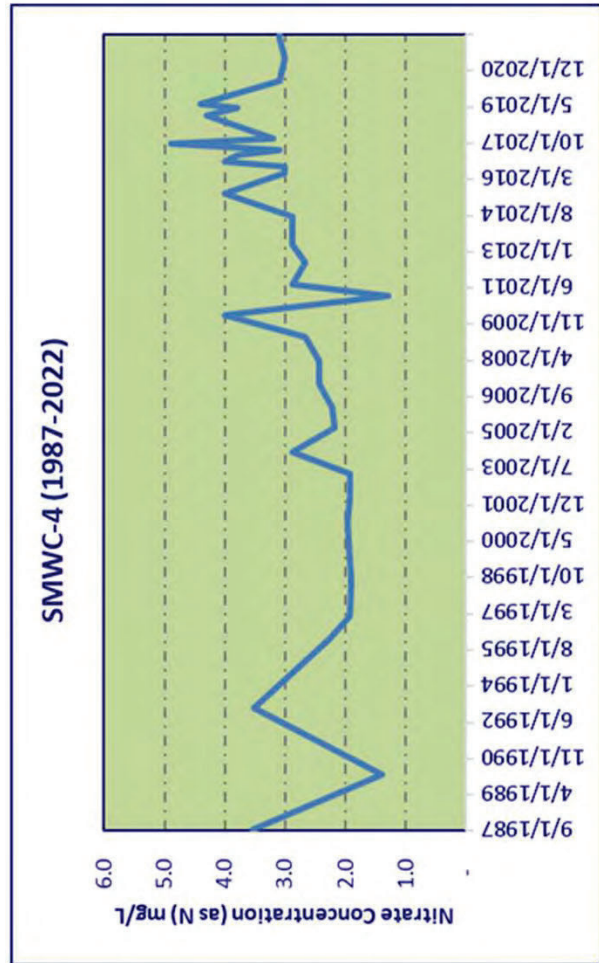


Figure 4-15 Northwest Area – Historical Nitrate Concentration

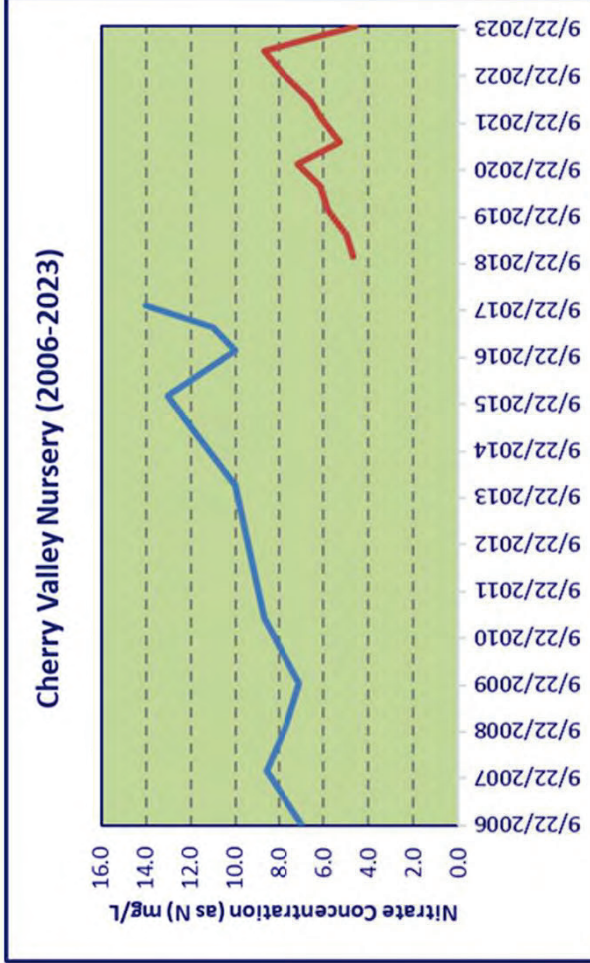
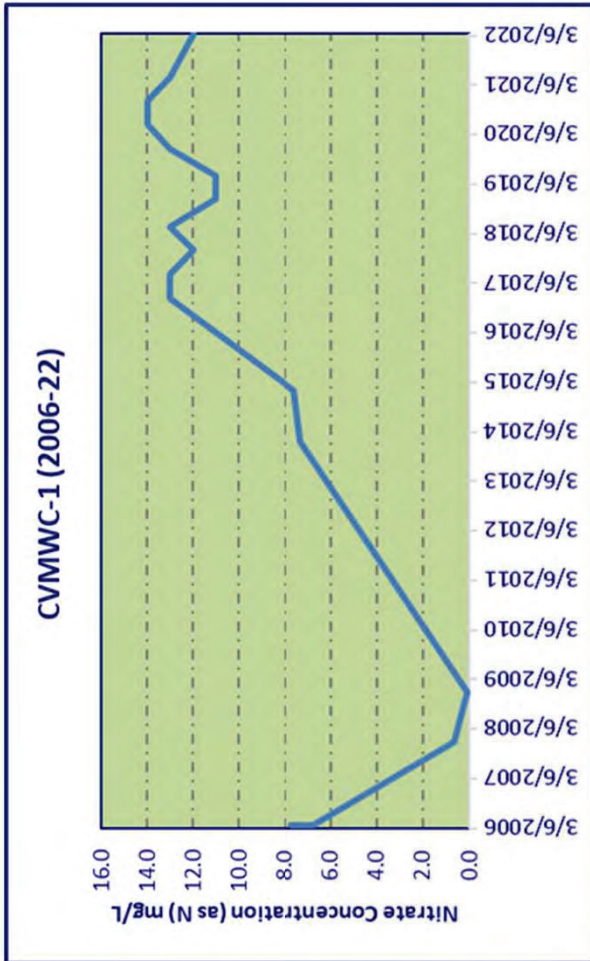
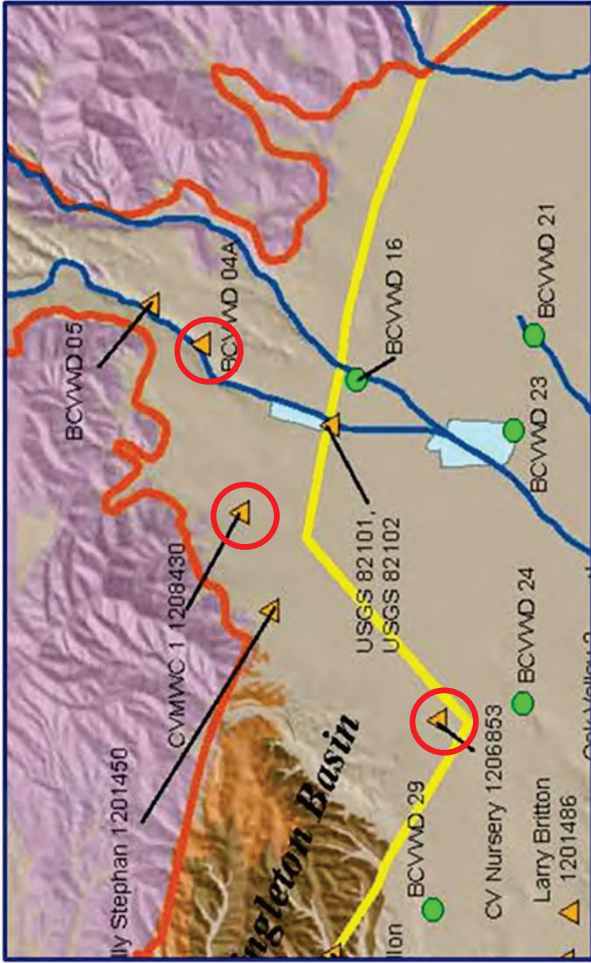
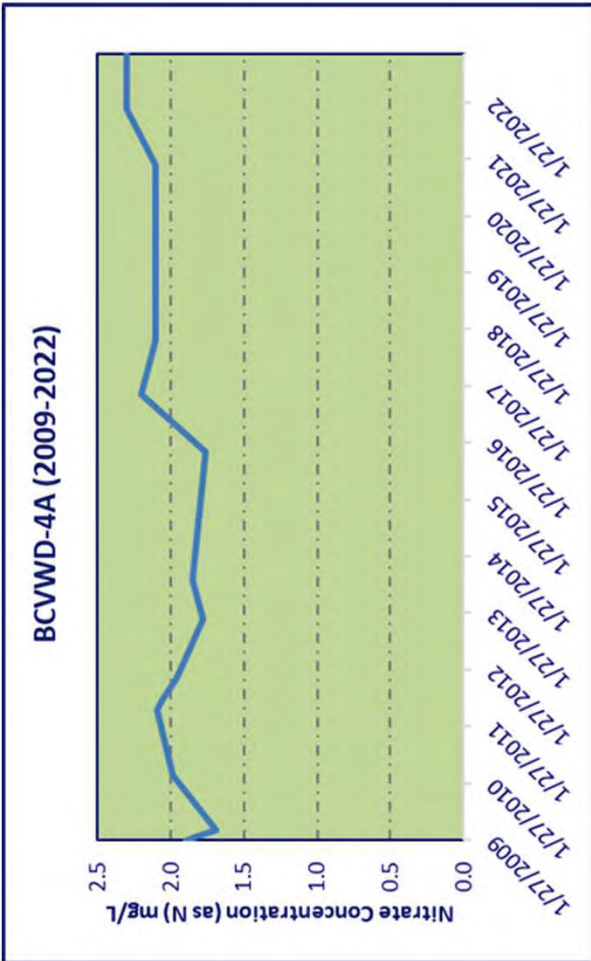


Figure 4-16
Singleton Basin – Historical Nitrate Concentration

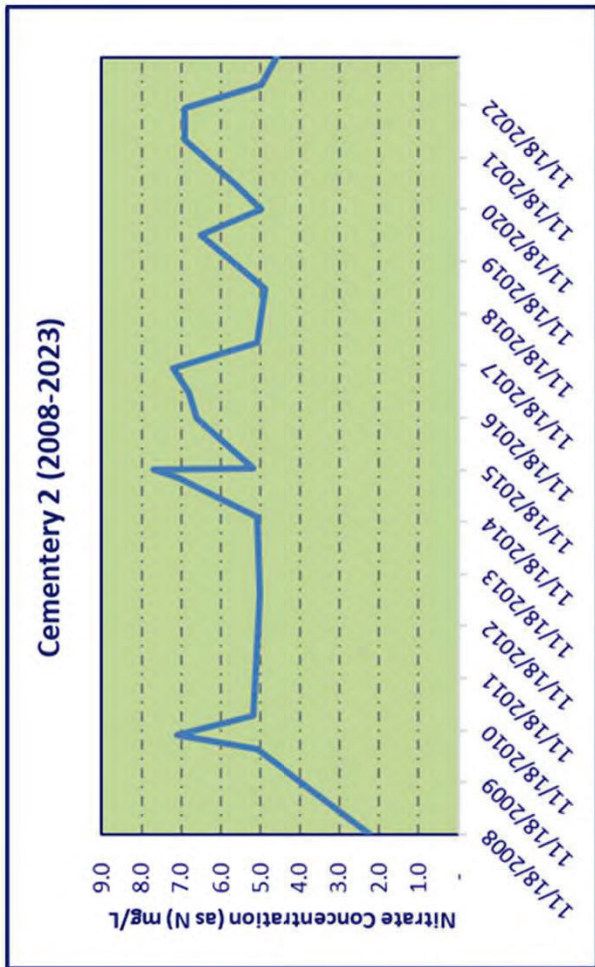
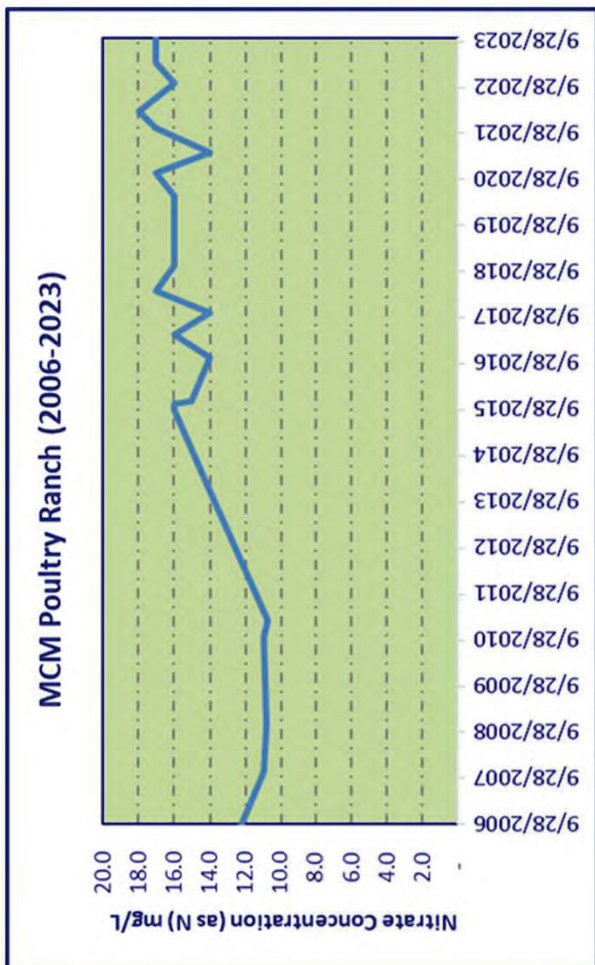
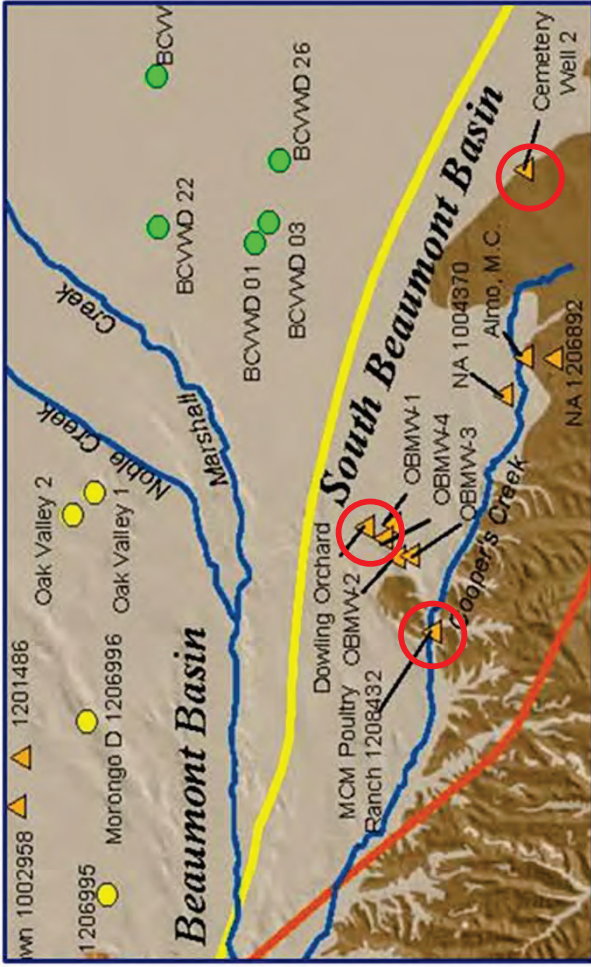
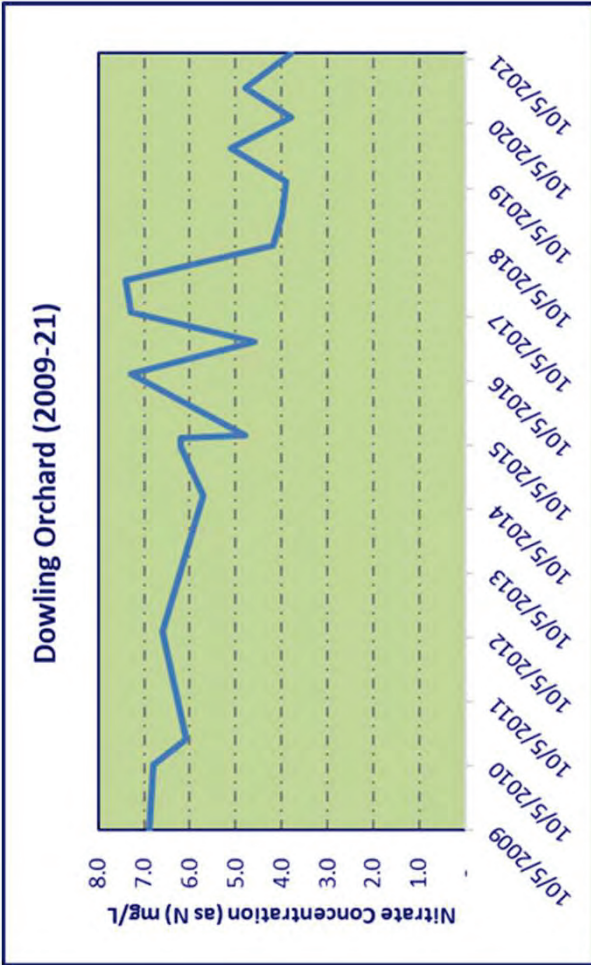


Figure 4-17 South Beaumont Basin – Historical Nitrate Concentration

Section 5

Land Subsidence

In the first ten years of operations under the Judgment, a temporary surplus was established that allows up to 160,000 acre-ft of overdraft within the Basin. The purpose of the temporary surplus was to create room for the safe storage of supplemental water and to reduce losses from the basin. A major concern is that overdraft of the groundwater basin may lead to the lowering of groundwater levels and, subsequently, to land subsidence and ground fissuring. To proactively address this concern, the STWMA and the Watermaster developed a monitoring program specifically to assess the occurrence of subsidence from past groundwater pumping and future pumping. To implement this program, the STWMA, on behalf of the Watermaster, successfully applied for an AB303 Grant from the California Department of Water Resources (DWR).

The Subsidence Monitoring Program was established in 2005. Initially, ground level information for the 1928 to 2000 period was analyzed. In mid to late 2006, 72 benchmark monuments were installed across the Basin and in nearby basins and an initial ground-level survey conducted to establish the initial elevations of all benchmarks. A second survey was conducted in 2007. A comparison analysis of the two surveying efforts reveals little vertical change; in addition, this minimum subsidence was evenly distributed across the Basin. According to the program, the ground level survey of all benchmarks was to be conducted on a tri-annual basis with the next round of survey scheduled for the spring of 2009. The 2009 survey was not conducted by Watermaster since it was determined that the level of subsidence was minimal. No additional surveys are scheduled at this time.

Appendix A

Resolutions Adopted During CY 2023

RESOLUTION NO. 2023-__

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER RECOGNIZING THE DESIGNATION OF A SPECIFIC AMOUNT OF OVERLYING WATER RIGHTS TO SPECIFIC PARCELS

WHEREAS, the Beaumont Basin was adjudicated by Judgment entitled *San Timoteo Watershed Management Authority v. City of Banning, et al.* (Riverside County Superior Court Case No. RCI 389197);

WHEREAS, on March 19, 2019, the Riverside Superior Court entered an Amended Judgment which currently operates to adjudicate water rights and imposes a physical solution over the Beaumont Basin;

WHEREAS, via RESOLUTION 2006-02, the Beaumont Basin Watermaster recognized the allocation of 300 acre-feet-per-year (AFY) of the 1,784 AFY of overlying water right to the Sunny-Cal North parcels, some 122 acres identified in the Amended Judgment's Exhibit D as Assessor Parcel Nos. 407-200-009, -011, and -012, and 407-210-001, -002, and -004;

WHEREAS, on December 31, 2020, via record Grant Deed, TSG Cherry Valley, L.P., a California limited partnership granted to Beaumont-Cherry Valley Recreation & Park Improvement Corporation, a California public benefit corporation all its rights, title and interest to Assessor's Parcel Nos. 407-200-009, 20.35 acres, 407-200-011, 20 acres, 407-200-012, 20.04 acres, 407-210-001, 45.41 acres, 407-210-002, 12.04 acres, 407-210-004, 4.16, representing a total transfer of 122 acres;

WHEREAS, on May 25, 2022, via recorded Grant Deed, Beaumont-Cherry Valley Recreation & Park Improvement Corporation, a California public benefit corporation granted to Beaumont-Cherry Valley Recreation and Park District, a special district in the State of California, its title and interest to Assessor's Parcel Nos. 407-200-013 (came from 407-200-011), 19.53 acres, a portion of 407-200-009, 18.35 acres, 407-200-014 (came from 407-200-012), 19.92 acres, 407-210-001, 45.41 acres, 407-210-002, 12.04 acres, 407-210-004, 4.16 acres, for a total of 119.41 acres; and

WHEREAS, on December 1, 2022, via recorded Grant Deed, I10 Logistics Owner, LLC granted to Beaumont-Cherry Valley Recreation & Park District, a special district of the State of California its title and interest to a portion of Assessor's Parcel No. 407-200-013, 27,067 square feet, or 0.62 acres;

WHEREAS, on February 6, 2023, via recorded Grant Deed, Beaumont-Cherry Valley Recreation & Park Improvement Corporation, a California public benefit corporation granted to Beaumont-Cherry Valley Recreation and Park District, a special district in the State of California, its title and interest to Assessor's Parcel No. 407-200-018 (the remainder parcel in 407-200-009), 2 acres.

WHEREAS, to facilitate the transfer of the requested 122 acres and accompanying Beaumont Basin water rights formerly held by Sunny-Cal North, as awarded under the Amended Judgment and confirmed by Exhibit D of the Amended Judgment as Watermaster Resolution No. 2006-02, the Beaumont-Cherry Valley Recreation and Park District (District) desires that Watermaster recognize a total water rights transfer of 232.4 AFY (300 AFY as reduced by 0.2254 (the amount of re-evaluation of the safe yield) as applied to the new parcel numbers identified in this Resolution, and, henceforth, placed in the District's name alone.

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

1. **Designation of Rights.** At the District’s special instance and request, the Beaumont Basin Watermaster hereby recognizes the designation of 232.4 AFY of Sunny-Cal North’s former Overlying Water Right to the District. Such 232.4 AFY of Overlying Water Rights shall henceforth be placed in the District’s name alone or its transferee and will be designated for use on the Assessor Parcel Nos. identified this Resolution.
2. **Adjusted Right.** The District’s Overlying Water Right of 232.4 AFY represents the original amount of Sunny-Cal North’s 300 AFY of Overlying Water Rights as reduced by 0.2254, representing the reevaluation of safe yield, and, therefore, now totaling 232.4 AFY.
3. **Effect of the Amended Judgment on Successors and Assigns.** The Amended Judgment provides in Article VII.4, that the Amended Judgment “...shall be binding on and shall inure to the benefit of...successors and assigns of the parties.”
4. **Further Documentation of Action.** The Chief of Watermaster Services is hereby authorized and directed to execute such further documents and instruments, and take such further action, as shall be reasonably required to carry out the purposes and intent of this resolution, including, without limitation, to acknowledge the transfer of the 232.4 AFY of Overlying Water Right allocated herein to the District to any purchaser of the designated Assessors Parcel Nos. set forth in this Resolution.
5. **Effective Date.** The effective date of this designation is June , 2023.
6. **Recording and Notice.** The Chief of Watermaster Services shall record this Resolution and shall mail a true, correct and complete copy as follows:

Beaumont-Cherry Valley Recreation & Park District
c/o Duane Burk, General Manager
390 W. Oak Valley Parkway, Beaumont California 92223.

PASSED AND ADOPTED this ____ day of _____, 2023 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

BEAUMONT BASIN WATERMASTER

BY: _____

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

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Appendix B

Minutes for the Regular and Special Committee Meetings held in 2023

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, February 1, 2023**

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, CA 92223

I. Call to Order

Chair Arturo Vela called the meeting to order at 11:00 a.m.

II. Roll Call

| | | |
|--|------------------------|----------------|
| <i>City of Banning</i> | <i>Arturo Vela</i> | <i>Present</i> |
| <i>City of Beaumont</i> | <i>Jeff Hart</i> | <i>Present</i> |
| <i>Beaumont-Cherry Valley Water District</i> | <i>Dan Jagers</i> | <i>Present</i> |
| <i>South Mesa Water Company</i> | <i>David Armstrong</i> | <i>Present</i> |
| <i>Yucaipa Valley Water District</i> | <i>Joseph Zoba</i> | <i>Present</i> |

Hannibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Jennifer Ares, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Lance Eckhart, San Geronio Pass Water Agency
Emmett Campbell, San Geronio Pass Water Agency
Matt Howard, San Geronio Pass Water Agency
Ron Duncan, San Geronio Pass Water Agency
Robert Ybarra, San Geronio Pass Water Agency
Mickey Valdivia, San Geronio Pass Water Agency
Thaxton Van Belle, City of Beaumont
Mark Swanson, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District
Derek Hoffman

III. Pledge of Allegiance: *Chair Vela led the pledge.*

IV. Public Comments: None.

V. Consent Calendar

A. Meeting Minutes

December 7, 2022 Regular Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through January 16, 2023

C. A Comparison of Production versus Extraction Credits for Calendar Year 2022

It was moved by Member Zoba and seconded by Member Armstrong to approve the Consent Calendar.

| | |
|----------|-------------------------------------|
| AYES: | Hart, Armstrong, Jagers, Vela, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

VI. Reports

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

Mr. Blandon reported that the draft annual report will be ready for delivery at the April meeting. He advised that he is re-measuring lengths of communications cable.

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

Mr. Harder reported a hydrogeological data request from Samantha Adams of West Yost. He requested a formal letter. Chair Vela asked about the client; Mr. Harder could not recall. Mr. Stuart suggested it could be related to the computation for max benefits with the Santa Ana Watershed.

Harder advised he has requested data for the safe yield reset. The model used extends outside the adjudicated area, he noted. Data is needed outside of the adjudication but within the model boundary.

C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart prepared a list of items with which Dudek has been tasked. He said he added the well survey and development of a data management system. These will be good initial steps toward approaching some of the other tasks.

D. Report from Legal Counsel – Thierry Montoya, Frost, Brown, Todd

Mr. Montoya advised that on January 1, Alvarado Smith merged with the law firm of Frost, Brown, Todd. Representation of BBWM has not changed, he noted.

VII. Discussion Items

A. Consideration Reorganization of the Beaumont Basin Watermaster Committee - Chair, Vice Chair, Secretary and Treasurer

Recommendation: Either reaffirm the existing officers or conduct nominations for the appointment of new officers of the Beaumont Basin Watermaster

Mr. Zoba noted that there is a vacant position of Vice Chair due to the passing of George Jorritsma.

It was moved by Member Jaggars and seconded by Member Armstrong to appoint the following officers:

- *Chair – Arturo Vela*
- *Vice-Chair – David Armstrong*
- *Secretary – Dan Jaggars*
- *Treasurer – Joe Zoba*

and approved by the following vote:

| | |
|----------|--------------------------------------|
| AYES: | Hart, Armstrong, Jaggars, Vela, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

B. Financial Status Report

Recommendation: No action required

Member Zoba recommended this item be placed on the Consent Calendar in the future. He pointed out the list of task orders and suggested discussion at the next meeting regarding deprogramming some of the funds in those that are no longer functional. Member Hart suggested review at least twice a year.

Chair Vela asked about rollover of the funds. Mr. Zoba confirmed funds are deprogrammed, participation of all five entities is verified, and are assigned as a credit to each account as the next task is approved.

C. Independent Accountant's Financial Report of Agreed-Upon Procedures for the Beaumont Basin Watermaster

Recommendation: Receive and file the Independent Accountant's Financial Report for the period ending June 30, 2022

Member Zoba explained that there is so little financial activity for this group, that an independent account's report is provided rather than an audit. He briefly reviewed the report.

It was moved by Member Jaggars and seconded by Member Hart to approve the Independent Accountant's Financial Report for the period ending June 30, 2022 and approved by the following vote:

| | |
|----------|--------------------------------------|
| AYES: | Hart, Armstrong, Jaggars, Vela, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

D. Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network

Recommendation: Consider issuing a request for proposals for the services of a licensed land surveyor to survey the locations and elevations of points of interest at wells associated with monitoring conditions in the Beaumont Basin

Mr. Stuart reported that measurements of water elevations at well points throughout the basin may be off by tens of feet and suggested performing a survey of the well points to improve accuracy of elevations, which would improve the accuracy of characterizing conditions in the Basin. He proposed drafting an RFP to be presented at the next meeting, then soliciting bids from professional land surveyors.

Chair Vela asked about budget. Mr. Stuart indicated that once it had been determined what to survey there would be a better idea of cost.

Member Armstrong advised he recently had a survey done. Member Jagers added that BCVWD has a survey consultant group that has worked for the District in the past and could provide elevations. He noted there are wells in vaults and a decision on where the survey marker sits would need to be determined. BCVWD may also like to perform this internally in order to be able to add other desired locations. Member Zoba indicated that YVWD could do the same and submit the data.

Jagers noted that the last bid solicitations have been made through the City of Beaumont public purchase portal. Mr. Stuart indicated Dudek would spearhead the activity.

Jagers emphasized consistency of data points and indicated BCVWD would be happy to do a benchmark elevation or have it done through the Watermaster. Chair Vela indicated support of the project and suggested a deadline in the next couple of months. Mr. Stuart will evaluate the data and determine any gaps or weaknesses to be addressed in the survey. Mr. Stuart, following the suggestion of Mr. Jagers, recommended obtaining existing survey information from all member agencies to evaluate the information in hand and identify where surveys are necessary. Mr. Stuart will request survey information from the member agencies.

Jagers also posited that it may be more expedient and cost effective to have the work managed and done by the Watermaster.

Member Hart asked about coordination with the San Gorgonio Pass Water Agency (SGPWA). Mr. Stuart suggested collaboration with SGPWA and the US Geological Survey (USGS) and collecting information from all involved.

Jagers pointed to monitoring wells drilled at the east side of the Basin under a grant via the San Gorgonio Pass Groundwater Sustainability Agency (GSA). Zoba suggested sending all available data to Dudek to start.

Chair Vela requested a list of all wells being considered and exactly what is being sought.

Chair Vela invited public comment. There was none.

E. Development of Data Management System

Recommendation: Consider authorizing Dudek to prepare a proposal to develop a GIS-based Data Management System for the Beaumont Basin

Mr. Stuart called attention to the importance of development of a data repository of all information collected in the Basin; not only groundwater elevation but production, climactic data, surface water inputs, and more in a GIS-based graphical interface that would be easy for everyone to access, view data, and get a quick assessment of conditions. The system could also be used to poll the data to generate reports. Dudek has developed these systems for other Groundwater Sustainability Plans as required by the Sustainable Groundwater Management Act (SGMA), he advised.

Member Armstrong asked what the system would offer that is not already being done, and about cost. Mr. Stuart explained the current data is in various files and formats, this system would bring all data together in one protected system accessible by members to view the information. Mr. Stuart explained that ESRI software would be used, and estimated \$50,000 total, including a workshop on use of the system.

Member Zoba shared that the Yucaipa SGMA has a database, and the USGS recently updated their website where he was able to pull up wells and track to show what is happening with the groundwater supply. He said he is an advocate of the proposed system; it is a great tool, and it is long overdue for this adjudicated basin. BBWM has fallen behind compared to other SGMA authorized basins, he noted. Hopefully, it could be expanded in the future to include water levels, spreading and injection activity, to provide a real-time picture of what is going on in the Basin rather than waiting for preparation of manual reports, he concluded.

Mr. Stuart noted that field staff with digital devices can incorporate data collected into the system.

Mr. Jagers requested the proposal include any ongoing three-to-five-year maintenance costs. He pointed out there are experts in the room who may want to be considered for the work. Member Hart said he is comfortable with the proposal as suggested by Mr. Stuart; it will still have to come back to the Committee for approval.

Member Zoba suggested it may be a step backwards to try to bring in a different consultant to try to scope out the need. There is a running head start with Dudek, he indicated. He suggested partnership with the SGPWA. Chair Vela acknowledged the overlap.

In response to questions from Chair Vela, Mr. Stuart said ESRI software makes it easy to transfer ownership and management of the system to BBWM. It is constantly upgraded and updated, and is fairly affordable and simple to run, he noted. He assured that reports will be easier to

run and the data more accessible. It also allows review of information together and to confirm that it is accurate and representative.

Chair Vela invited public comment. SGPWA General Manager Lance Eckhart advised the Committee that this is a modern tool that is needed in this Basin and is worth the effort. It takes different sources of data and brings them together in one place and can be seen almost in real time. It makes the job of managing the Basin easier, he stated, and said SGPWA would be happy to partner. He pointed out that the proposed system is used by the Yucaipa GSA and it would be convenient to have the same for the adjacent area versus learning an entirely new system, which would be less efficient.

In response to Chair Vela, Mr. Eckhart recommended moving forward collectively and transparently. He suggested a demonstration.

Member Jagers asked if it were a web-based platform that Dudek would host, Stuart indicated it was. Most agencies are using ESRI, it was noted.

Member Zoba suggested individual tours of the program.

It was moved by Member Zoba and seconded by Member Jagers and approved to authorize Dudek to prepare a proposal to develop a GIS-based Data Management System for the Beaumont Basin by the following vote:

| | |
|----------|-------------------------------------|
| AYES: | Hart, Armstrong, Jagers, Vela, Zoba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

VIII. Topics for Future Meetings

- A. Proposal and demonstration of GIS-based data management system
- B. Budget Update
- C. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- D. Procurement Policy including thresholds for RFP process
- E. Evaluation of Storage Issues in the Basin (tabled from 12/2/2021 meeting)
- F. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management

- G. Incidental discharge
- H. Development of a Recycled Water Policy
- I. Development of a return flow accounting policy

IX. Comments from the Watermaster Committee Members

Member Jagers drew attention to a USGS report distributed by Jason Uhley of Riverside County Flood Control regarding the Apple and Eldorado fires and risk of debris flows.

Member Jagers indicated that clean, clear water flows are being seen in the upper canyons that had not been seen in the recent drought. Thoughts are positive that the area is no longer in such a dire drought. The State Water Project is at 30 percent allocation this year. BCVWD has been working with SGPWA to resume bringing water down from the San Luis Reservoir as early as next week to start recharge.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for April 5, 2023 at 11:00 a.m.
- b. Future Meeting Dates:
 - i. June 7, 2023 at 11:00 a.m.
 - ii. August 2, 2023 at 11:00 a.m.
 - iii. October 4, 2023 at 11:00 a.m.
 - iv. December 6, 2023 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:46 a.m.

Attest:


Daniel Jagers, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, April 5, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, CA 92223

I. Call to Order

Vice Chair David Armstrong called the meeting to order at 11:02 a.m.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | | ABSENT |
| City of Beaumont | Jeff Hart | Present |
| Beaumont-Cherry Valley Water District | Dan Jagers | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Jennifer Ares | Present |

Hannibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).
Thierry Montoya was present as BBWM legal counsel.
Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Matthew Palavido, Dudek
Nyles O’Harra, Yucaipa Valley Water District
Allison Edmisten, Yucaipa Valley Water District
Mike Kostelecky, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
John Covington, Morongo Band of Mission Indians
Kevin Walton, San Gorgonio Pass Water Agency
Robert Ybarra, San Gorgonio Pass Water Agency
Mickey Valdivia, San Gorgonio Pass Water Agency
Thaxton Van Belle, City of Beaumont
Cenica Smith, Beaumont-Cherry Valley Water District
Evan Ward, Beaumont-Cherry Valley Water District
Derek Hoffman, Fennemore

III. Pledge of Allegiance: Vice Chair Armstrong led the pledge.

IV. Public Comments: Member Jagers advised of an error in the title for Agenda Item F. The recommendation should indicate the amount of \$1,300.

V. Consent Calendar
Vice Chair Armstrong pulled Item C for discussion upon request of Member Jagers.

A. Meeting Minutes

February 1, 2023 Regular Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through March 22, 2023

It was moved by Member Hart and seconded by Member Jagers to approve Consent Calendar items A and B.

| | |
|----------|-------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagers |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | Vela |
| STATUS: | Motion Approved |

C. A Comparison of Production versus Extraction Credits through February 2023

Member Jagers pointed to the report and asked for confirmation on the water transfers. He asked if the report included the transfers from Beaumont-Cherry Valley Water District to the City of Banning for January and February. Mr. Blandon explained that said transfer is reported annually in the January report and the adjustment was made at the end of the year; however, staff will be providing the information on a monthly basis moving forward.

Mr. Jagers advised that for January and February, BCVWD's production numbers suggest that about 155.35 acre-feet were transferred. Once that is done, a footnote might be appropriate, he stated.

It was moved by Member Jagers and seconded by Member Hart to approve Consent Calendar item C.

| | |
|----------|-------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagers |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | Vela |
| STATUS: | Motion Approved |

VI. Reports

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

No report.

- B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

Mr. Harder reported that a data request was sent out on February 1 as part of the safe yield reevaluation and model update. Some data from San Gorgonio Pass Water Agency (SGPWA) has been received. The project is at the last step and if there is any information on new wells constructed or pumping tests since 2012 within the model domain that includes the adjudicated area and just outside, it would help inform the model and it would be appreciated in the next couple of weeks.

- C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart updated the Committee on information received for the well survey. South Mesa Water Company has responded. He is seeking documentation from a licensed surveyor on survey elevations or well points/ reference points. He will re-send the email as a reminder, then move forward with assessing the information and determining whether to move forward with contracting the services of a licensed surveyor to fill in any data gaps.

Mr. Jagers reported that BCVWD has reached out to a surveyor to perform the work and the cost appears to be reasonable.

Mr. Stuart advised he will be working with Tom Harder and Hannibal Blandon to put together an agenda for a July workshop, for committee review at the June meeting and in time for public notice / invitation. The workshop would focus on storage issues in the basin and looking at possibilities in enhancement of management of the basin such as establishing management zones.

Mr. Jagers asked that the overlayers be invited to the workshop and indicated he would share the List of Interested Parties.

D. Report from Legal Counsel – Thierry Montoya - Frost, Brown, Todd

Mr. Montoya reported receipt of a Public Records Act request from West Yost seeking records that Mr. Harder likely retains. This is agendaized as Item VII – F as it will take work to pull the records and Mr. Harder should be compensated for the effort.

Item VII – C is a request from Beaumont-Cherry Valley Recreation and Park District to transfer some amount of water rights formerly owned by Sunny Cal / Danny Thomas Ranch, and there is some clarification on the issue.

South Mesa Water Company has an alternate candidate, Montoya announced, and Mr. Armstrong introduced Brittany Lim who is the SMWC alternate on the Yucaipa SGMA.

VII. Discussion Items

A. Certification of Groundwater Production, Imported Water Spreading, and Change in Storage in the Beaumont Groundwater Basin during Calendar Year 2022.

Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during CY 2022.

Member Jaggars reminded that upload of the data was required by April 1 and BCVWD has done so.

It was moved by Member Jaggars and seconded by Member Ares to certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during CY 2022 and approved by the following vote:

| | |
|----------|--------------------------------|
| AYES: | Ares, Armstrong, Hart, Jaggars |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | Vela |
| STATUS: | Motion Approved |

B. 2022 Consolidated Annual Report and Engineering Report – Presentation of Draft Report

Recommendation: Presentation only. No action required.

Mr. Anibal Blandon of ALDA Engineering presented the draft consolidated annual report. He highlighted the following components:

- Nine resolutions were adopted by the BBWM in 2022; eight of them were for authorizing public meetings to be held in person and via teleconference.
- Resolution 2022-09 amending Section 3 of the Rules and Regulations
- No legal rulings related to the Judgment in 2022
- FY 2023 approved budget is \$246,800; expenses in 2021 and 2022 were approximately \$110,000
- Historical precipitation from 1998 to 2022 averaged 13.4 inches, significantly lower than the 100-year average of 16.68 inches
- In 2022, precipitation was only 6.79 inches, the second lowest ever
- Groundwater production by appropriators in 2022 was 17,345 acre-feet, about 900 af higher than the five-year average
- Overliers are on a slight upward trend and produced a total of 2,135 af in 2022 which was higher than the five year average of 2,001 af but less than the production right of 6,517 af
- The highest use overlayers are Sharondale Mesa HOA, Cal Oak Valley Golf and Resort, Plantation on the Lake, and Tukwet Canyon Golf Club. None of the overlayers are at risk of pumping more than their allocations
- Imported water spreading in 2022 totaled 1,811 af, mostly by BCVWD
- Overall, since 2003, 127,000 af have been spread primarily by BCVWD and the City of Banning
- City of Beaumont treated wastewater discharges were 14 percent lower than the peak in 2020
- In 2022, there were no transfers of water between appropriators
- Conversion of underproduction to 2022 credit totals 4,296 af
- A total of 183.05 af have been permanently transferred from Oak Valley Partners to YVWD
- In 2022, 11,055 af were produced from storage (which is an accounting number)
- Overall, 290,000 af were allocated to storage, of which only 96,000 remain in storage at the end of 2022
- Underproduction by overlayers to be allocated to appropriators in 2027 totals 4,382 af

Members commented on the record rainfall so far in 2023 and lower anticipated production for the year.

Mr. Tom Harder discussed the 2022 operating safe yield. He described the hydrogeology and potential Basin management zones, and decline in groundwater levels from December 2021 to December 2022. He noted a year-to-year decline in storage of about 10,600 af which matches precipitation conditions and increased pumping.

Member Jagers observed that BCVWD did not pump Well 29 at all in 2022 in an attempt to balance the Basin and pump down the mound created in 2017-2019. He also noted it would be interesting to see the effects of a lot of grading activities in the area of Calimesa and Fairway Canyon on water recharge.

Mr. Harder reported long term declines in groundwater levels at several wells and advised that the Singleton Ranch well has been destroyed.

Annual operating safe yield is based on production, change in storage, and groundwater recharge (normally 11,000 to 12,000 af), Harder explained. Imported water deliveries in 2022 totaled only 1,800 af, he stated, and the operating safe yield for 2022 was around 7,000 af, contrasted with 7,900 in 2021. The long-term safe yield per the previous estimate using the model was 6,700 af.

In response to comment by Member Jagers, Mr. Harder noted that the plan to survey groundwater reference point elevations was based on a number of issues with some of the monitoring wells that affected the change in storage. Some of the previous years' operating safe yield numbers are not as reliable, he added. The model and long-term safe yield will be updated, he advised.

When the water table is drawn down, water that would otherwise have left the Basin is captured, Harder continued, which may be why the operating safe yield is higher than it had been. When water is mounding, safe yield can go down, he added.

Member Jagers expressed hope that the safe yield would increase.

Member Armstrong asked if the management zones would affect storage accounts. Mr. Harder explained all would have to add up to the whole; it is just a matter of managing different areas differently.

Member Jagers reported that it has been observed that high groundwater based on this year's wetness is now percolating in areas via artesian flows in the southwest portion of the Basin.

Mr. Blandon presented the data on water quality and offered the following recommendations:

- Develop policy to account for groundwater storage losses, new yield, and recycled water recharge (carried for several years, hopefully to be addressed at a workshop in July)
- Develop protocol to increase accuracy and consistency of data reporting
- Implement a meter maintenance program to reflect accurate production

- File final Annual Report with the Court in June once approved

Mr. Blandon requested comments by Friday, May 12 in order to be addressed at the June 7 meeting. Comments will be included as an Appendix to the Final Report.

C. Transfer of Water Rights to Beaumont-Cherry Valley Recreation and Park District

Recommendation: No recommendation

Mr. Stuart advised that via donation from a developer, the Beaumont-Cherry Valley Recreation and Park District (BCVRPD) is acquiring six parcels formerly collectively known as the Sunny Cal North on the 2006-02 resolution. At the time, the Sunny Cal Egg and Poultry Company transferred 300 acre-feet per year of water rights to Sunny Cal North. After the 2013 revision of the safe yield that number became 232.4 af per year, which is acknowledged in the letter. He also acknowledged that the area of the Sunny Cal North property is 123 acres, which includes the 122 acres of Sunny Cal North plus one acre of the I-10 Logistics.

The numbers check out, Stuart reported. He requested more time to investigate the supporting documents and deeds which note that portions of the parcels are not part of Sunny Cal North.

Legal Counsel Montoya advised that there is still uncertainty and when approved, it should be done by resolution as has been in the past. The resolution will include an explanation of transfer, identify the APNs and the amount of water that is transferred from who to whom. He emphasized the need to create a clear public record.

Vice Chair Armstrong tabled the item to be brought back as a resolution at the June meeting. Mr. Jagers recommended assuring alignment with the adjusted safe yield.

D. Update on Well Survey Project and Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network

Recommendation: No recommendation.

Vice Chair Armstrong reminded the Committee of previous discussion.

Mr. Stuart indicated he is seeking more information from YVWD, BCVWD, City of Beaumont, and City of Banning.

If data is needed from City of Beaumont wells, they can be included in the BCVWD survey, Mr. Jagers noted.

E. Development of Data Management System

Recommendation: Consider the proposal from Dudek to develop a GIS-based Data Management System for the Beaumont Basin

Mr. Matthew Palavido of Dudek demonstrated a web-based application consisting of a GIS / map-based interface for information on wells.

Member Jagers reminded that the five BBWM members will share the costs of approximately \$9,179 each plus ongoing maintenance costs of \$13,695 annually. There are no escalators, Mr. Palavido noted. Most of the annual cost is for the ESRI licensing, which is typically escalated every five years or so and ESRI just escalated their licensing fee this year.

Members discussed taking this item to their Boards. It will be brought back again when the City of Banning is in attendance.

F. Approval of Expenditures related to Public Records Act Request

Recommendation: Approve the expenditure of \$1,300 to Thomas Harder & Company to prepare and furnish public records to the Santa Ana River Watershed Project Authority (SAWPA)

Member Jagers explained that some records may not be readily available and suggested discussion of preauthorization of a not-to-exceed amount to facilitate timely response to PRA requests. Mr. Harder indicated that would be helpful and said he could produce the requested records in about one week.

This request is related to the reassessment of SAWPA's groundwater activities, Jagers continued. Member Hart questioned the designation of a PRA request and said if it is not, then the requester should be footing the bill for the efforts required.

Mr. Harder explained the content of the request for groundwater levels, which will take some effort to put together but is not significant. Mr. Jagers recommended the shortest path to provide the information in support of SAWPA's groundwater management monitoring activity and in the spirit of cooperation.

Counsel Montoya clarified that SAWPA is entitled to the documents, and this is a question of reimbursement of Mr. Harder's time. Mr. Hart indicated support.

It was moved by Member Jagers and seconded by Member Hart to approve the expenditure of \$1,300 to Thomas Harder & Co. to prepare and furnish public records to the Santa Ana River Watershed Project Authority (SAWPA) and was approved by the following vote:

| | |
|----------|-------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagers |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | Vela |
| STATUS: | Motion Approved |

Mr. Harder will send out the requested information.

VIII. Topics for Future Meetings

- A. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- B. Procurement Policy including thresholds for RFP process
- C. Evaluation of Storage Issues in the Basin (tabled from 12/2/2021 meeting)
- D. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management
- E. Incidental discharge
- F. Development of a Recycled Water Policy
- G. Development of a return flow accounting policy

IX. Comments from the Watermaster Committee Members

None.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for June 7, 2023 at 11:00 a.m.
- b. Future Meeting Dates:
 - i. August 2, 2023 at 11:00 a.m.
 - ii. October 4, 2023 at 11:00 a.m.
 - iii. December 6, 2023 at 11:00 a.m.

XI. Adjournment

Vice Chair Armstrong adjourned the meeting at 12:32 p.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, June 7, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:01 a.m.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | Art Vela | Present |
| City of Beaumont | Jeff Hart | Present |
| Beaumont-Cherry Valley Water District | Dan Jagers | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Jennifer Ares | Present |

Hannibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Nyles O’Harra, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Emmett Campbell, San Gorgonio Pass Water Agency
Matt Howard, San Gorgonio Pass Water Agency
Ron Duncan, San Gorgonio Pass Water Agency
Kevin Walton, San Gorgonio Pass Water Agency

III. Pledge of Allegiance: Chair Vela led the pledge.

IV. Public Comments: None.

V. Consent Calendar

Chair Vela pulled Item C for discussion upon request of Member Jagers.

A. Meeting Minutes

April 5, 2023 Regular Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through May 16, 2023

D. Financial Status Report

It was moved by Chair Vela and seconded by Member Hart to approve Consent Calendar items A, B, and D.

| | |
|----------|---------------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagggers, Vela |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

C. A Comparison of Production versus Extraction Credits through April 2023

Member Jagggers pointed to the Table in the staff report and noted that it includes items that will be discussed under Item VII-B on the agenda related to transfers of overlier water rights from Oak Valley Partners (OVP) to YVWD. He recommended discussion on the amount credited and footnote 1 in the table prior to approval.

Mr. Blandon provided information. He noted that the 2023 final amount credited will be at the end of the year once it is known how much water YVWD has delivered to the parcels. Alternatively, if the 790.3 acre-feet (af) has been accepted as of 2022, YVWD would have at least 790.3 af in 2023, he stated.

Chair Vela indicated that the item could be corrected at the next meeting and made a motion to accept the report.

It was moved by Chair Vela and seconded by Member Hart to approve Consent Calendar item C.

| | |
|----------|-----------------------------|
| AYES: | Ares, Armstrong, Hart, Vela |
| NOES: | Jagggers |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved 4-1 |

VI. Reports

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

Mr. Blandon reminded that at the April meeting, it had been requested to include the total amount of production by BCVWD and amount delivered to the City of Banning, and this has been done.

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

Mr. Harder reported:

1. Response to the data request from West Yost regarding a study they are doing for SAWPA was provided on April 20, 2023.
2. The model for the safe yield calculation has been completed the process of calibrating the model has begun. By the end of the month, field analysis should begin.
3. Contact has been made with Terry Erlewine from Provost & Pritchard, which was recently awarded a grant to install some monitoring wells. One of the wells would be near Banning on the east side of the fault between the Beaumont Basin and downstream basin and would provide valuable information. There will be a meeting between Mr. Harder and Terry Erlewine in July.
4. Storage change in the basin is recalculated each year for the annual report. The Watermaster is on a calendar year, and the State required reporting under SGMA is on the water year – October 1 to September 30. To prepare the annual report due April 1 is challenging. He proposed preparing the storage change map for the water year for the State and preparing a second storage change map for the calendar year for the Watermaster. No change in budget is anticipated, but the data request would come to the members in October rather than January. There were no objections.

C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart reported that he is working with Mr. Blandon and Mr. Harder to develop a timeline to address all the BBWM open topics and to look at setting some deadlines. It will be presented for consideration at the next meeting.

D. Report from Legal Counsel – Thierry Montoya - Frost, Brown, Todd

Mr. Montoya reported that a motion to add alternate members for South Mesa Water Company and the City of Banning is set for hearing at Riverside Superior Court Department 5 that has jurisdiction over the

amended judgment set for June 13 at 8:30 in the morning. He expects that the requirements for members and alternates have been met to be presented to the BBWM.

Mr. Montoya stated that Steve Stuart has been very helpful regarding the Forms 5 for water transfers to the Beaumont-Cherry Valley Recreation and Park District. He will talk about discussions on this item later in the agenda.

VII. Discussion Items

A. Consideration of the Watermaster Budget for Fiscal Year 2023-24.

Recommendation: Approve the Budget for Fiscal Year 2023-24.

Chair Vela noted the recommendation is for approval of a budget for fiscal year 2023-2024 of \$36,950. Year to date expenses total \$17,934.

It was moved by Member Ares and seconded by Member Jagers to approve the Watermaster Budget for Fiscal Year 2023-24 and the motion was approved by the following vote:

| | |
|----------|-------------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagers, Vela |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

B. Resolution 2023-01: Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels (Transfer of Water Rights to Beaumont-Cherry Valley Recreation and Park District)

Recommendation: Adopt Resolution 2023-01.

Dudek consultant Mr. Steve Stuart explained the resolution transferring water rights between the former Sunny Cal North parcels to the new owner, the Beaumont-Cherry Valley Recreation and Park Improvement Corporation and then to the Beaumont-Cherry Valley Recreation and Park District (BCVRPD). The parcels to which the water rights were transferred per Resolution 2006-02 were identified, and those corresponding parcel numbers are now being transferred to the BCVRPD and correspond with the parcels identified in Exhibit B of the judgment. With the revised safe yield, the water right of 232.4 af per year will be transferred from the Sunny Cal North parcels to BCVRPD.

Mr. Jagers noted that this action is informed by how the BBWM has previously done reassignments of transfers. He acknowledged the work done on this item.

It was moved by Member Jagers and seconded by Member Hart to adopt Resolution 2023-01 Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels (Transfer of Water Rights to Beaumont-Cherry Valley Recreation and Park District) by the following vote:

| | |
|----------|-------------------------------------|
| AYES: | Ares, Armstrong, Hart, Jagers, Vela |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

C. Transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District

Recommendation: Receive and file or direct staff as desired

Mr. Stuart provided some background on the transfer of all Oak Valley Partners (OVP) water rights to a select number of parcels they owned for the Summerwind Ranch project via Resolution 2017-02. When water service was provided to the Summerwind project parcels by YVWD, then transfer of those water rights would be to YVWD. Subsequently, YVWD filed documents transferring water rights in 2018 and 2019 for specific tracts. Resolution 2019-02 created the Form 5 which documented the transfer of overlying water rights from an overlier to an appropriator and acknowledged that the transfer of water rights would only occur when the water was provided to that particular overlier.

YVWD filed a Form 5 in November 2019 acknowledging the complete transfer of OVP rights to YVWD associated with the parcels of the Summerwind Ranch project. Litigation in 2021 confirmed the overlying water rights are transferred to the appropriator when that water is provided to the overlier and only for that amount at that time, per the judgment.

In 2023, YVWD submitted five Forms 5 representing transfers from 2018 to 2022 documenting the following transfers based on the water served to OVP and the parcels associated with Resolution 2017-02:

| DATE | ACRE-FEET | TRACT NO . |
|-----------|-----------|---------------------|
| 3/21/2018 | 90.94 | 32702 and 32702-5 |
| 7/27/2018 | 59.89 | 32792-1 and 32702-2 |
| 9/26/2018 | 29.57 | 32702-3 |
| 1/11/2019 | 2.65 | 33105-6 |

The cumulative total is 790.38 af from OVP to YVWD, Stuart concluded.

Legal Counsel Thierry Montoya reminded that with transfer from an overliar to an appropriator, the appropriator agrees to provide water service to the overlying properties. The total numbers, as confirmed by Dudek, have transferred over. There are various Forms 5 that take over for the previous 180.4 af that were transferred prior to the litigation. There are water service letters from YVWD stating service has been provided and signatures on the Forms 5 from OVP that they have accepted water service.

Montoya said he confirmed with Member oba of YVWD that the water service provided was for the parcels identified in Resolution 2017-02. Mr. oba was not aware of OVP owning any of the property within his jurisdiction, but the water service went to all the parcels identified in Resolution 2017-02. Member Ares confirmed the parcels are being served.

The balance of OVP's water rights as having transferred to YVWD as adjusted add up, Montoya continued. There is clear accounting on the BBWM side and also protection for YVWD in case of a claim by an overlying party, and seems to meet the requirements of the amended judgment, he said, and recommended the transfer be approved.

Chair Vela noted that the documentation did not indicate specific phases or tracts being served. He said he would like to confirm that the water delivered is outside of the tracts noted in previous Forms 5 and these are new developments for which transfers have not been accepted. Montoya said it was his understanding that development continued, and this is additional water provided by YVWD for the service of the remaining undeveloped parcels. He pointed out that water service is not narrowly defined in the amended judgment, and it may also include recycled water for the benefit of the parcels. This is for the balance of OVP's water rights. Mr. Montoya added that during the litigation, Mr. oba had declared that YVWD will use all of OVP's water rights, at OVP's request, because they will need it for their development. Ms. Ares referred to the chart shown above with tract numbers. Vela cautioned

against double counting. Ares suggested a future agenda item to refine the process for beginning to end.

Member Jagers asked for clarification on an adjustment of transfers from 2018. Mr. Stuart indicated that the 0.2 af was in lieu of the previously presented requests.

Member Jagers acknowledged Member Ares' request to refine the process, and posited that the process of transfers needs to be a complete process. He reminded about the passage of AB 1668 and SB 606 requiring reduction in per capita water use per house, and pointed out that there may be potential to be oversupplying water. He said he would like confirmation that figures are a true accounting of water supply over the period and pointed out they could include water consumption related to grading activities.

Previous rules and regulations under Section 7 required accounting to be done every year, but that was deleted at the proposal of Member oba, Jagers reminded. He said he now questions whether this will be accurate moving through time given the legislation and reductions in total water supply, and having grading activities aggregated in when the grading process may consume more than some future building or housing. He said he prefers the method where it is known where the water goes and approximate amounts, and there is a handle on it rather than general aggregate activities.

As a minimum, Jagers suggested, the BBWM should have discussion on quantities, as this does not follow the outline set forth in Resolution 2017-02. Further, previous Forms 5 already filed are being duplicated and there is some confusion, he said.

In response to Member Ares, Member Jagers said he did not think the submittal follows the past process and clarifications are needed before receiving and filing. He added that it does not follow the form of Resolution 2017-02 as was previously done. He recalled previous discussion with legal counsel regarding perfection of transfer rights and filings were approved based on the anticipation of the action within a certain period. This is a different thing, he noted.

Member Ares noted this is a matter of interpretation, and the intention / goal moving forward was for informational purposes only, as the recommendation is to receive and file, not to approve.

Member Jagers emphasized clarity; that what was being received and filed was understood. He reiterated that the process now being followed is not what was done previously, which was created to comply with Resolution 2017-02.

Chair Vela acknowledged the difference in process and that the document does not identify the specific phase to which water was delivered as identified in the Resolution. If it had been clear in the correspondence to what phase of development the water was being provided, then the question is whether the water being delivered is associated with those tracts which the transfers had been previously accepted. He reiterated the potential for double counting.

Member Ares suggested agendaizing the process discussion at a later meeting and confirmed that these requests supersede the previous.

In response to Member Jagers, Mr. Blandon indicated he confirmed with Mr. Oba that there was not an addition.

Member Jagers posited that the current Forms 5 do not provide the information as required by Resolution 2017-02 and requested clarity. He stated that his preference would be to follow the form of that resolution. If there is desire to deviate from it the resolution should be amended, he said.

Chair Vela indicated that he had not picked up that the 790.3 supersedes the previous transfers and those do go away and now there is a total transfer of 790.3 acre-feet. Mr. Blandon discussed how that might be reflected in the annual report. Chair Vela stated there must be a way to streamline this and assure the accounting is as accurate as possible. He noted the challenge of physical confirmation of the transfer taking place when the water is delivered, and said the BBWM should consider some level of confirmation.

Chair Vela invited public comment. There was none.

Member Ares moved to receive and file the fully executed Form 5 document for calendar years 2018, 2019, 2020, 2021 and 2022. There was no second.

Member Jagers offered a substitute motion to receive and file the Form 5 as provided by YVWD with further documented clarification of the rescission of the previous requests for water rights transfers, and further discussion, resolution, and adherence to the format of Resolution 2017-02. The motion was seconded by Member Armstrong and was approved by the following vote:

| | |
|----------|-------------------------------|
| AYES: | Armstrong, Hart, Jagers, Vela |
| NOES: | Ares |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved 4-1 |

D. 2022 Consolidated Annual Report and Engineering Report – Presentation on Comments Received on Draft Report

Recommendation: That the Watermaster Committee Consider Approving the 2022 Annual Report after Comments Received on the Draft Report are Presented and Discussed

Mr. Blandon reviewed comments received by BCVWD.

Mr. Blandon noted that the impact of YVWD's Form 5 submittal would be documented in the final report, and detailed the revisions by section and table. Mr. Blandon asked for guidance given the discussion and motion under the previous agenda item. In response to Chair Vela, Mr. Blandon indicated it is not imperative to have the annual report approved at this meeting.

Chair Vela advised to hold off on those sections until further discussion. Member Jagers and others concurred.

Mr. Blandon continued the presentation and provided a brief summary of storage accounts.

Chair Vela tabled the item to the next meeting. Mr. Blandon requested agencies submit any further comments by mid-July.

Chair Vela commented on a table regarding water imported by Banning using BCVWD's facilities.

E. Proposal for Development of Data Management System

Recommendation: Consider the proposal from Dudek to develop a GIS-based Data Management System for the Beaumont Basin

Mr. Stuart reminded of the presentation of the proposal at the May meeting without a representative of the City of Banning present. Two members also intended to present the proposal to their respective boards, he noted.

Chair Vela indicated support and noted there is benefit and value for the cost.

Mr. Lance Eckhart, general manager of the San Geronio Pass Water Agency (SGPWA) professed support. He noted that the Groundwater Sustainability entities on either side have developed data management systems as part of their ongoing reporting to the state. if you can't measure it, you can't manage it, he stated. The data is important, and

having all look at the same thing at the same time with the same tools will be fundamental to good management of the basin, he posited. He recommended the SGPWA participate with an equal share with the Watermaster members.

Chair Vela invited public comment. There was none.

It was moved by Member Jaggars and seconded by Chair Vela to approve the proposal from Dudek to develop a GIS-based Data Management System for the Beaumont Basin with equal cost share between the BBWM members and the SGPWA was approved by the following vote:

| | |
|----------|--------------------------------------|
| AYES: | Ares, Armstrong, Hart, Jaggars, Vela |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

F. Update on Well Survey Project and Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network

Recommendation: No recommendation.

Mr. Stuart explained this is an update to the information presented at the last meeting. So far, information has been received only from SMWC, he reported. Member Jaggars explained that BCVWD has contacted one of its contractors to obtain the data in short order.

Mr. Eckhart said he wanted to make sure that even if there is additional cost that SGPWA is plugged in with whomever is used for the data to assure that they are synced up and calibrated with the network.

G. Discussion of Agenda Items for Proposed July Special Meeting / Workshop

Mr. Harder reminded the Committee about an October 2021 presentation on storage and storage balances and comparison to the physical condition of the basin. Issues raised were:

- Per the judgment, this basin in the first 10 years had a ramp up of its allowable storage, which is inconsistent with physical storage in the basin, and there was concern that pulling that water out could create impacts.
- To date, there has been no accounting for Basin storage losses, but a study has shown that those are occurring in certain areas, and this should be done.

A workshop was held in March 2022 and a follow up workshop is recommended in July to begin to articulate some of the issues, Harder advised. He recommended discussion regarding:

- Production from Storage Accounts that prevents impact
- Possible delineation of management zones in the Basin
- Preliminary identification and prioritization of other issues to address
- Development of the Committee's vision for the Basin
- Identify next steps

A next workshop would be agendaized to carry forward, Harder noted. Ultimately, he said he would look at development of a plan to address the issues, and execution of the plan.

Chair Vela said he appreciated the effort to add these items to the workshop agenda.

Member Jagers reminded that the prior report had identified some current losses from the Basin and recalled that based on more extraction in certain areas might change those conditions. He asked about further refinement of the model and discussion of new SGPWA recharge facilities. Mr. Harder said he did not envision analysis, but more of a big picture of what happens in terms of extraction and the way the Basin is operated. He recommended articulation of issues and identification of impediments to addressing those issues, and figuring out what to do to analyze it and arrive at an informed policy.

Mr. Jagers asked for philosophical ideas that can be developed moving forward.

Mr. Hart recommended, as part of any policy decisions that affect the region, discussion about the structure of the BBWM itself, and whether there is benefit or desire to have an elected representative from each agency with the existing primary representative serving as an alternate, or a technical advisory committee to the electeds. He recognized the stipulations for specific background and experience but not all are identical.

VIII. Topics for Future Meetings

- A. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- B. Procurement Policy including thresholds for RFP process
- C. Evaluation of Storage Issues in the Basin (tabled from 12/2/2021 meeting)

- D. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management
- E. Incidental discharge
- F. Development of a Recycled Water Policy
- G. Development of a return flow accounting policy
- H. Update on SGPWA water supply portfolio

IX. Comments from the Watermaster Committee Members

None.

X. Announcements

- a. Special Meeting / Workshop to be scheduled in July
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for August 2, 2023 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. October 4, 2023 at 11:00 a.m.
 - ii. December 6, 2023 at 11:00 a.m.
 - iii. February 7, 2024 at 11:00 a.m.

XI. Adjournment

Chair Vela adjourned the meeting at 12:21 p.m.

Attest:



Daniel Jaggars, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Special Meeting
Thursday, July 3, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 2:01 p.m.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | Art Vela | Present |
| City of Beaumont | Jeff Hart | Present |
| Beaumont-Cherry Valley Water District | Dan Jagers | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Joe Oba | Present |

Hannibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).
Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:
San Geronio Pass Water Agency General Manager Lance Eckhart

III. Pledge of Allegiance: Chair Vela led the pledge.

IV. Public Comments: None.

V. Workshop Discussion Items

- A. Development of the Committee's vision for the Basin
- B. Production from Storage Accounts that prevents impact
- C. Possible delineation of management zones in the Basin
- D. Preliminary identification and prioritization of other issues to address
- E. Identify next steps

Mr. Steve Stuart explained that consultants had reviewed topics for discussion. This is a great start to talk about some of these important items and begin moving forward, he noted.

Stuart provided some detail on meeting discussion points to go through the issues in a more open environment:

- Vision for the Watermaster
- Production from storage accounts to prevent impact
- Accumulation of water available to the different appropriators in their storage accounts versus what has been measured in the Basin, the discrepancy between the two, and how to reconcile those accounts to manage the basin
- Possible delineation of two or three management zones to help enhance management of groundwater resources and to develop approaches in achieving better management

This will be the first meeting in a short series, he noted.

Vision for the Watermaster

Mr. Stuart reviewed the stipulated judgment physical solution and the Watermaster mission statement:

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

He suggested a vision statement to lead how the Watermaster may perceive its role in the future, and how to manage the Basin, and presented components for consideration.

He recommended developing a plan that will help guide the Committee from where it is today to where it should be in the near future.

Chair Vela suggested coming back to the mission statement.

Production from Basin Accounts that Prevent Impacts

Mr. Harder refreshed the Committee's memory on prior discussion (October 2021) regarding discrepancy in storage accounts and the increase in storage accounts via the judgment.

He indicated concern about the pumping out of all water in storage at the same time which could lead to visible impacts / undesirable results. However unrealistic, there must be management guidelines prepared to avoid that.

Harder stated that the change in storage has not changed much, and overall, the Basin looks pretty good. However, on the west side, the

change in storage has been negative compared to the east side. He provided a map of basin conditions, positing that artificial recharge is propping up groundwater levels on the east side.

Member Jagers indicated that on the west side of the faults, BCVWD Well 29 was shut off in an effort to extract from the east side and move water to the west. He discussed groundwater averages and pointed to return flow that may be beneficial in the long term.

Mr. Harder emphasized balance. Member Armstrong asked about water quality implications. Mr. Harder replied there are none known.

Mr. Harder prompted the Committee to discuss where to go from here.

Member oba responded with a suggestion to change the graph representing the Comparison of Appropriator Storage Accounts and Physical Storage Change Estimates. It is not a matter of closing the gap, he stated, but of refilling the change in storage to get back to zero, at the point of adjudication. If all storage accounts are fulfilled or depleted, the Basin probably can't handle it, he noted. Mr. Harder agreed, saying it is more toward creating an impact locally and whether the management will have undesirable results. Per the judgment, that water can be pulled out if it were physically possible, he noted.

Mr. oba discussed the potential management zones and expressed concern about production impacts. He pointed out that the storage accounts have signaled to the development community that there is plenty of water available, when water levels have dropped. Mr. Harder noted that the concept of management zones was about management actions: identifying things to make the west side more sustainable.

Member Jagers described BCVWD actions to address the imbalance on the west side. Recharge will likely be needed on the west side, he noted.

Mr. Harder advocated for an optimum Basin management plan that follows the vision of the Committee and includes projects and management actions.

Discussion returned to the graph. Chair Vela suggested discussion of comfort level with being below the zero line. Mr. Harder said the model is available to answer questions. Members provided concepts of what the graph represents, current conditions, sustainability, and potential management actions.

Mr. Harder agreed with Member oba that serious action to correct the deficiency should be taken.

Possible Delineation of Management Zones

Mr. Harder presented the proposal for two management zones based on the difference in hydrogeology, and the advantages and disadvantages. Harder and Member Jagers pointed out some complications that would need to be addressed.

Member Jagers noted the positive effects of groundwater recharge activities and said the Basin probably needs more than one opportunity for that to happen.

Preliminary Identification and Prioritization of Issues

Harder stated the Committee would benefit from a vision and a management plan which identifies these issues and how to address them. These would be topics for the next workshop. He recommended developing a preliminary idea of which are most important and should be focused on at the next meeting.

Chair Vela recommended continued discussion of storage losses as low hanging fruit, as work has already gone into analysis, and most were in agreement. It is just missing the next step regarding implementation.

Member Jagers noted that all are intertwined and recommended a big picture approach, looking at everything in order to have as healthy a Basin as possible. He suggested mechanically managing in the short term while recharge is built on the west side.

Member Roba pointed to the SGMA process as a logical way to determine if the Basin is sustainable. He said he would be interested in an exercise to look at SGMA requirements and where the Beaumont Basin would fall short based on where it is today. Vela concurred.

SGPWA General Manager Lance Eckhart suggested including historic underflows and said it was important to recognize the adjacent Groundwater Sustainability Agency (GSA). He noted that maintaining groundwater levels and gradient is doing what has always been done, and cautioned about another adjudication. All models are wrong, some models are useful, he noted. Management actions also ride along with climate issues, he added.

Recharge has been working, Eckhart continued. He talked about location of recharge and extraction. Part of the plan should be production wells and a capture zone to manage the eastern boundary and make sure that the historic underflow is maintained. This might include shared production facilities, he noted. Eckhart stated he did not want to see a disincentive on importing water.

Chair Vela stated that today was not the right time to finalize the vision. He suggested it may be worthwhile to tie in the judgment, as the Committee operates in an irregular system as far as compliance with the judgment which gives certain allowances, and that may not mirror the mission statement. He pointed out that looking at the graph next to the mission statement, the BBWM would not be meeting the goal, although the judgment has allowed that.

Member Armstrong requested the agenda packet be distributed earlier in order to have a productive conversation.

Member Jagers commented on BCVWD's efforts to manage the balance through the drought. All of the actions, like sharing water opportunities with Banning, wheeling water to the west side, delivering pipelines, and extracting it in places to balance the Basin are things to talk about, he said. Mr. Harder said it sounds like all of that is in the mix already, and the question would be whether those are watermaster things. Jagers pointed out there is one physical solution.

Harder suggested working with Mr. Bandon to prepare an outline of the SGMA process and applying it to the Beaumont Basin for the next workshop.

Chair Vela said there would be value in that exercise, but cautioned that the Committee must be mindful no to overcommit itself.

Mr. Harder and Mr. Bandon will work together and bring back to the next workshop for continued discussion. He recommended keeping this moving.

VI. Topics for Future Meetings

- A. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- B. Procurement Policy including thresholds for RFP process
- C. Evaluation of Storage Issues in the Basin (tabled from 12/2/2021 meeting)
- D. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management
- E. Incidental discharge
- F. Development of a Recycled Water Policy
- G. Development of a return flow accounting policy
- H. Update on SGPWA water supply portfolio

VII. Comments from the Watermaster Committee Members

None.

VIII. Announcements

- a. Set date for next Special Meeting / Workshop – None set
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for August 2, 2023 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. October 4, 2023 at 11:00 a.m.
 - ii. December 6, 2023 at 11:00 a.m.
 - iii. February 7, 2024 at 11:00 a.m.

XI. Adjournment

Chair Vela adjourned the meeting at 3:04 p.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, August 2, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave., Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:04 a.m.

Pursuant to the provisions of AB 2449, Member David Armstrong of South Mesa Water Company joined the meeting via video teleconference under Emergency Circumstances.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | Art Vela | Present |
| City of Beaumont | Jeff Hart | Present |
| Beaumont-Cherry Valley Water District | Dan Jaggars | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Joe oba | Present |

Hanibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Jennifer Ares, Yucaipa Valley Water District
Nyles O’Harra, Yucaipa Valley Water District
Erin Anton, Yucaipa Valley Water District
Allison Edmisten, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Madeline Blua, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Matthew Howard, San Gorgonio Pass Water Agency
Emmett Campbell, San Gorgonio Pass Water Agency
Ron Duncan, San Gorgonio Pass Water Agency
Kevin Walton, San Gorgonio Pass Water Agency
Mickey Valdivia, San Gorgonio Pass Water Agency
Robert Rasha, Beaumont-Cherry Valley Water District
Cenica Smith, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District

Brittany Lim, South Mesa Water Company
Kendall Lovell, Fennemore Law

III. Pledge of Allegiance: Chair Vela led the pledge.

IV. Public Comments: None.

V. Consent Calendar

A. Meeting Minutes

June 7, 2023 Regular Meeting

July 13, 2023 Special Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through July 5, 2023

C. A Comparison of Production Rights versus Production through June 2023

D. Financial Status Report

It was moved by Member oba and seconded by Member Jagers to approve Consent Calendar items A through D.

| | |
|----------|-------------------------|
| AYES: | Hart, Jagers, Vela, oba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | Armstrong |
| STATUS: | Motion Approved |

VI. Reports

A. Report from Engineering Consultant – No Report

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

Mr. Harder reported that he has been working on the groundwater flow model, which has been recalibrated to begin forward projections to estimate the safe yield. This will be available in the next month or so.

C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart reported that he has been working on a schedule to address all items for further discussion in future meeting agendas. This will be presented at the October meeting.

D. Report from Legal Counsel – Thierry Montoya - Frost, Brown, Todd

Nothing to report.

VII. Discussion Items

A. Presentation by San Gorgonio Pass Water Agency General Manager Lance Eckhart

Mr. Eckhart described the San Gorgonio Pass Water Agency (SGPWA) role as a State Water Contractor and shared the draft new SGPWA mission and vision statements. He noted that the agency is at the end of the line of the State Water Project (SWP) and said that the delivery of water has changed to large volumes based on climate variability.

11:10 a.m.: Member Dave Armstrong joined the meeting.

Mr. Eckhart continued. He pointed out there are now a few nearby Groundwater Sustainability Agencies with the adjudicated area in the center, and development is continuing. He noted that Desert Water Agency and Coachella Valley Water District receive water from the Colorado River, and that was an option for this area, but it was decided that the water quality was poorer than State Water Project. There were consequences for the region due to that decision, he noted: the SWP would be a much larger project moving through the area and down to the Coachella Valley area.

Reservoirs are currently full and there is still a lot of snowmelt, Eckhart indicated. People are trying to store water wherever possible, including Central Valley farmers, he noted.

Mr. Eckhart described the SWP facilities, provided an update on the Sites Reservoir project, and gave an overview of the SGPWA and its historic activities. Imported water is necessary, and there is effort to increase the supply when available, he assured, and showed photos of the facilities which will double the capacity for recharge.

The SGPWA portfolio includes carryover water in the San Luis Reservoir, water deals and transfers like a recent lease with City of Ventura for 10,000 AF from 2022-2042, and 5,075 af of Article 21 water, Eckhart noted. He reminded that 2023 is a 100 percent SWP allocation year, which it was thought would never be seen again. He advised that there will be periods of excess water for recharge, but he does not expect a series of 100 percent years. Reliability should increase with Sites Reservoir, along with the Delta Conveyance, he added.

About 12,000 af have been moved into the Beaumont Basin this year, with the target being 20,000 af, Eckhart explained. He described constraints along the California aqueduct and the negotiation of capacity with other agencies. He provided a brief overview of housing and economic development and assured that SGPWA is responding to the needs of stakeholders and making needed investments.

Major projects of the SGPWA include a backbone pipeline to the Cabazon area due to development moving east, governance and planning with two groundwater sustainability agencies (GSAs), Inflation Reduction Act funding coming through over the next few years, water main replacement, multi-benefit flood control facilities, and Brookside property stormwater capture or recycled water use, Eckhart noted. He emphasized collaboration.

Mr. Eckhart discussed ongoing analyses regarding water banking, recharge, and other options to maximize the ability to import water.

SGPWA has also been working on small systems support, disadvantaged communities, gap funding, school events, optimization of mutual resources for recycled water with the City, conservation messaging, regional water planning including alignment of urban water management plans, turf replacement programs, cloud seeding, and managing the GSA in the Cabazon / East Banning area, Eckhart explained.

Mr. Eckhart emphasized this is a time of resource uncertainty and change, and said it is important to band together, look at assets and mutual strengths, and try to leverage those as a group.

Member oba discussed long-term SWP reliability and average percentage of allocation. He requested SGPWA make publicly accessible via a web portal its annual deliveries and to whom in order to be able to calculate the long term delivery rates. Mr. Eckhart noted this is reported once a month at a regular Board meeting. He pointed to the long term plan and noted the data, modeling, and projections can be discussed by the general managers' group.

Eckhart pointed out that the Sites Reservoir is becoming more real every day and will be a game changer for this area.

Member Armstrong thanked Mr. Eckhart for assistance with the grant funding efforts for the Countyline Road recharge and pipeline project and noted that SMWC getting a \$10 million grant is a huge accomplishment.

Member Armstrong confirmed that he is joining the meeting under the provisions of AB 2449.

It was moved by Member Jaggars and seconded by Member Hart to approve the remote attendance of Member Armstrong under AB 2449 by the following vote:

| | |
|----------|-------------------------------------|
| AYES: | Armstrong, Hart, Jaggars, Vela, oba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

B. 2022 Consolidated Annual Report and Engineering Report – Presentation of Comments Received on Draft Report (tabled from 6/7/2023)

Recommendation: That the Watermaster Committee Consider Approving the 2022 Annual Report after Comments Received on the Draft Report are Presented and Discussed

Mr. Hanibal Blandon provided background on comments received and presented the revised draft report. He noted that the BBWM administrator, Steven Stuart of Dudek, indicated that the report did not discuss the production rights by appropriators, and it was agreed that should be included. Pointing to the Stipulated Judgment section I-3-B, he noted that when production rights are greater than production, water taken from storage is minimized or water is put into storage. However, when water production rights are less than production, water is taken from storage if available, or the Appropriator shall provide funds to enable the Watermaster to replace overproduction. This has not happened, but could happen in the future, he advised, and introduced a modified Table 3-8 to include a column considering the production right.

Member oba suggested that appropriators should advise regarding the category from which water is being taken rather than have an automatic process. Mr. Blandon explained the calculations and reiterated this has never been done. Mr. oba advocated for a more sophisticated process allowing the appropriator to declare the category from which water is taken. Blandon said he could start that inquiry in January. Mr. oba suggested further discussion and possible addition to the Rules and Regulations. He suggested that in the event of a deficit, there is no definition of funds to be deposited to the BBWM and this needs to be identified, along with for what the funds are to be used.

In response to Chair Vela's note that despite what category the water is taken, Mr. oba indicated that the category could be taken all the way back to the beginning when there was surplus water which was different than water in storage accounts. If the process is automatic, there may be unintended consequences, he noted. He said he would assume that

overlying rights would be used first, before the storage account. Mr. Blandon agreed that at the end of the day, it should be a wash.

Member Jagers suggested a full review of the Rules and Regulations to modernize and to handle such issues, creating a road map for success. Member Jagers would like to see a future agenda item to address the rules and regulations for how this accounting fits in. Mr. Blandon noted that the current Rules and Regulations document does not memorialize when amendments took place. Mr. obo indicated he would post the current copy of the Rules and Regulations upon receipt.

Chair Vela invited public comment. There was none.

Mr. Blandon assured that every issue and comment had been addressed.

It was moved by Member Hart and seconded by Member Jagers to approve the 2022 Consolidated Annual and Engineering Report by the following vote:

| | |
|----------|------------------------------------|
| AYES: | Armstrong, Hart, Jagers, Vela, obo |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | None |
| STATUS: | Motion Approved |

C. Discussion / Clarification of Overlier Transfers Process

Recommendation: No recommendation

Mr. Jagers reminded of prior discussion and the June 2023 notice from YVWD about overlier activities which did not appear to be following the outline of previous activities following the passage of Resolution 2017-02. He recalled his position that YVWD had processed a series of requests assigning water supply to parcels and recommendation for discussion to come to resolution to assure there is a road map, with possible review of the Rules and Regulations.

Mr. Stuart reminded that the discussion was about providing a supplement to the Form 5 (Resolution 2019-02) related to how an overlier receives water service from an appropriator in an equivalent amount of potable groundwater shall be earmarked up to the overlying party's right. The BBWM shall maintain an accounting, he continued, noting the Form 5 has parties signing off and agreeing to the transfer of the overlying water rights to the appropriator, including the amount of water to be transferred. He recommended a supplement to the Form 5 as a table that identifies by 2003 APN and current APN the parcels receiving water and the year of water service. He also noted that the APNs in the judgment were based on those used in 2003, but since then,

with development and progress, new parcels have been identified and APNs have changed.

Mr. Stuart responded to Chair Vela and Member Jagers indicated this is consistent with what had been done in the past and said he would like to see a draft proposal from Dudek for this work. Chair Vela requested this for the next meeting.

D. Discussion Regarding Structure of the Watermaster Committee and Inclusion of Elected Representatives as Primary Members

Recommendation: No recommendation

Administrator Steve Stuart reminded the Committee that at the conclusion of the last meeting, member Hart brought up the idea of having a discussion of the structure of the committee and whether there was benefit or desire to have elected representatives serve as primary members of the committee, particularly as policy decisions are being made. The idea was that the elected officials will serve as primary members and existing members will serve as secondary members or be members of a technical advisory committee to the primary members. Mr. Stuart reviewed the Stipulated Judgment in Section 4.4. which states:

The Watermaster shall consist of a committee composed of persons nominated by the City of Banning, the City of Beaumont, BCVWD, SMWC, and YVWD, each of which shall have the right to nominate one representative to the Watermaster committee who shall be an employee of or consultant to the nominating agency.

Member Hart pointed out that as the Committee approaches more policy decisions and management of the basin, he would like to have the thoughts of the Committee members on a structure that may include elected members for the primary Board. It has been mentioned that it may offer a clear benefit, he said.

Member Jagers noted that the responsibility for operations of the District is with the general manager with policy activities in the purview of the elected officials. He recommended following the outline in the judgment.

Legal Counsel Montoya confirmed that any change in the terms of the judgment would have to be amended and approved by the Court.

Member Hart suggested an advisory committee of staff and a primary committee of electeds. Member Hart noted that there is precedent with

elected officials serving on the committee in the past. To consider a different level of involvement other than members and alternates would require proposed language to be presented to the Court, Mr. Montoya noted.

If the Committee wanted to appoint representatives to serve on a committee or represent the Watermaster, the rules would not require amendment, noted Mr. Montoya.

Member oba suggested a process included in the Rules and Regulations where the Committee would vote on any member or alternate put forth by an agency.

Member Jagers noted this can be considered during any revision of the Rules and Regulations.

12:10 p.m. – Member Armstrong left the meeting.

E. Update on Development of Data Management System

Recommendation: No recommendation

Mr. Stuart noted the contract with the Watermaster was signed on July 14, 2023 and the online licensing with ESRI is underway. He is working on collecting well information for the Watermaster for inclusion in the database to be made available to all members. A demonstration of the preliminary version of the DMS will be presented at the October meeting.

F. Update on Well Survey Project for Wells in the Beaumont Basin Monitoring Network

Recommendation: No recommendation.

Mr. Stuart said he is still looking for well survey information from BCVWD and YVWD. Member Jagers said BCVWD is in the process of hiring a survey company.

G. Discussion of Agenda Items and Special Meeting Date for Proposed September Workshop

Mr. Stuart indicated a workshop date will be proposed later.

Mr. Stuart reminded the Committee about discussion begun last month including a vision and mission statement. He noted that Dudek is comparing SGMA with the adjudicated basin as had been suggested.

Member Jagers noted that both positive and negative feedback was received on the workshop format. He noted that eight microphones had been ordered and requested suggestions for the next meeting.

Roundtable discussions are more informal and provide better value of discussion, Chair Vela noted. Member Oba suggested instead of agendaizing it as a workshop to agendaize it as a special meeting so action can be taken. He recommended that topics such as rules and regulations and overlying water rights if the agenda appears to be light.

VIII. Topics for Future Meetings

- A. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- B. Procurement Policy including thresholds for RFP process
- C. Evaluation of Storage Issues in the Basin (tabled from 12/2/2021 meeting)
- D. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management
- E. Incidental discharge
- F. Development of a Recycled Water Policy
- G. Development of a return flow accounting policy
- H. Direction for use of different types of storage accounts
- I. Discussion regarding process and categorization of water production for the annual report
- J. Revision of Rules and Regulations:
 - i. Committee participation by electeds
 - ii. Mechanism for BBWM to collect funds if storage account is in deficit (Development of a rate for overproduction of right)
 - iii. General modernization of rules and regulations

IX. Comments from the Watermaster Committee Members

None.

X. Announcements

- A. Special meeting / workshop date to be determined
- B. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, October 4, 2023, at 11:00 a.m.
- C. Future Meeting Dates:
 - December 6, 2023 at 11:00 a.m.
 - February 7, 2024 at 11:00 a.m.
 - April 3, 2024 at 11:00 a.m.

XI. Adjournment

Chair Vela adjourned the meeting at 12:29 p.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, October 4, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave., Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:06 a.m.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | Art Vela | Present |
| City of Beaumont | | Absent |
| Beaumont-Cherry Valley Water District | Dan Jaggars | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Joe Oba | Present |

Hanibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Jennifer Ares, Yucaipa Valley Water District
Erin Anton, Yucaipa Valley Water District
Allison Edmisten, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Madeline Blua, Yucaipa Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District
Lance Eckhart, San Geronio Pass Water Agency
Matt Howard, San Geronio Pass Water Agency
Robert Ybarra, San Geronio Pass Water Agency
Larry Smith, San Geronio Pass Water Agency
Robert Rasha, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
Kendall Lovell, Fennemore Law
Thaxton Van Belle, City of Beaumont
Matthew Palavido, Dudek
Matt Ford
Jim Vandewater
Emily Swagart

- III. Pledge of Allegiance: Chair Vela led the pledge.
- IV. Public Comments: None.
- V. Consent Calendar
 - A. Meeting Minutes
 - August 2, 2023 Regular Meeting
 - B. Status Report on Water Level Monitoring throughout the Beaumont Basin through September 20, 2023
 - C. A Comparison of Production Rights versus Production through August 2023
 - D. Financial Status Report
 - E. Independent Accountant's Financial Report of Agreed Upon Procedures for the Beaumont Basin Watermaster

It was moved by Member oba and seconded by Member Armstrong to approve Consent Calendar items A through E.

| | |
|----------|------------------------------|
| AYES: | Armstrong, Jagers, Vela, oba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | City of Beaumont |
| STATUS: | Motion Approved |

VI. Reports

A. Report from Engineering Consultant

Mr. Anibal Blandon of ALDA Engineering advised that the 2022 final Annual Report is complete and has been posted on the website.

Mr. Blandon reported vandalism at a Well at the Noble Creek spreading grounds. A new communications cable needs to be ordered.

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.

No report.

C. Report from Administrative Consultant – Steve Stuart, Dudek

Mr. Stuart provided an update on the well survey project. Results are expected in the next month or so. He is working with agencies to collect and compile information.

D. Report from Legal Counsel – Thierry Montoya - Frost, Brown, Todd

No report.

VII. Discussion Items

A. Letter of Support for the Brookside West Recharge Facility WaterSMART Planning and Design Grant

Recommendation: Approve the Letter in Support of SGPWA's Brookside West Recharge Facility WaterSMART Planning and Design Grant from the Bureau of Reclamation and Authorize the Committee Chairperson to execute and submit the letter

BBWM Secretary Dan Jaggars advised of a request from the San Geronio Pass Water Agency (SGPWA) for a letter of support.

SGPWA General Manager Lance Eckhart described the 62-acre Brookside West priority project and noted the expansion of the SGPWA water supply portfolio. He explained the need for more recharge facilities and requested support.

It was moved by Member Jaggars and seconded by Member Vela to approve the Letter in Support of SGPWA's Brookside West Recharge Facility WaterSMART Planning and Design Grant from the Bureau of Reclamation and authorized the Committee Chairperson to execute and submit the letter by the following vote:

| | |
|----------|--------------------------------|
| AYES: | Armstrong, Jaggars, Vela, Vela |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | City of Beaumont |
| STATUS: | Motion Approved |

B. Discussion on Process for Documenting the Transfer of the Overlying Water Rights of Oak Valley Partners to Yucaipa Valley Water District

Recommendation: No recommendation

Based on requests from the BBWM Committee, YVWD prepared a series of letters covering calendar years 2018 through 2022, which include data for each lot for the water actually served within the area identified on Resolution 2017-2, Member obo advised.

Member Jagers indicated he had reviewed the data and said the tracking and annual report out seems appropriate. He noted concern about the effects of the AB 1668 and SB 606 legislation and said this methodology seems a good approach.

Chair Vela clarified the water rights transferred, but would potentially be adjusted in the future based on the redetermination of the Basin safe yield. Mr. obo added that the column of overlying rights becomes a subcategory, as theoretically, all of the overlying water rights were transferred to all of the appropriators, there would then be zero safe yield. He confirmed it would change every 10 years based on the safe yield.

C. Transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018, 2019, 2020, 2021, and 2022

Recommendation: Receive and file the transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018-2022 and update the appropriate records in the 2023 Annual Report to reflect the transfers

Member Jagers said the data sets show the same lots each year, such as the school site, and the water use is reported out. He discussed finding equilibrium related to the legislation and said it is a good way to maintain the health of the Basin. He noted that BCVWD is providing emergency service to two parcels. The existing well was not in the District, and the transfer of water rights will be brought forward in a similar manner.

The accounting seems appropriate and reasonable, and the process can be refined moving forward, Jagers stated.

In response to Member Armstrong's question asking if Mr. Montoya was comfortable with the process of documenting water served, Legal Counsel Thierry Montoya indicated he was comfortable with the process, and said it is well thought out, well documented, and supersedes the original Form 5 that was submitted years ago. It is helpful, as there is now current parcel ID numbers, he added.

Mr. Stuart suggested that if this is to be used as the case to demonstrate how to properly document the transfer of overlier rights to appropriators, the Rules and Regulations can now be amended to reflect documentation in the same fashion moving forward.

Member Jagers noted that figures on Item V-C: A Comparison of Production Rights vs. Production through August 2023 would need to be adjusted.

It was moved by Member Jagers and seconded by Member oba to receive and file the transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018-2022 and update the appropriate records in the 2023 Annual Report to reflect the transfers by the following vote:

| | |
|----------|------------------------------|
| AYES: | Armstrong, Jagers, Vela, oba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | City of Beaumont |
| STATUS: | Motion Approved |

D. Discussion on Calculating Appropriator's Production Right and Storage Accounting

Recommendation: No recommendation

Mr. Hanibal Blandon explained that he and Mr. Stuart spoke at length about the Consolidation of Appropriator Production and Storage Accounts, and revision of Table 3-8 in the Annual Report. Given prior discussion about future shortfalls when an appropriator in any given year produces and from which bucket the overage would be taken, he presented a revised Table 3-8 reflecting a second and third bucket. He discussed options.

Member oba suggested a third bucket: overlying water rights. He reminded about discussion with legal counsel and an opinion that overlying water rights not put to beneficial use are lost. He recommended making it clear via the Rules and Regulations or an agreed-upon process that the water served is being tracked, accounted for, and utilized for beneficial use.

Mr. Blandon suggested further discussion and an opinion from legal counsel.

Member Jagers recapped using an example of transfer of Oak Valley to YVWD. Member oba noted that the temporary surplus water may also have a time frame attached, and should be accounted for. He recommended an order of operation of water used.

Mr. Blandon said he would look at the numbers in preparation for the next meeting, with the idea that the temporary surplus water is used first, then calculate the balances. Chair Vela clarified that all water used would be calculated and whatever is left in the storage account would be the imported water.

An analysis of each appropriator might be an individual discussion in preparation for the next meeting, Jagers suggested. Blandon will prepare and send out the data.

Chair Vela said he would like to avoid an artificial burden on the Watermaster if an agency wanted to pay the Watermaster rather than tap into the storage account.

Member Jagers indicated he would rather the Watermaster not be the primary contracting agent with entities such as SGPWA until there is a point at which water cannot be brought down and there needs to be alternative. Reporting to the SGPWA allows that agency to be current on the landscape. He suggested next discussion on SGPWA as a vehicle for the Watermaster, and to have a system of acquiring money and how that system is managed responsibly.

Mr. oba suggested adding to a future agenda what to do when a producer goes negative.

E. Update on Safe Yield Reset of the Beaumont Basin

Recommendation: No recommendation.

Mr. Tom Harder reminded that the original Safe Yield in 2003 was 8,650 acre-feet, and was later reduced to 6,700 in 2013. This is the next reset process for the 2023 to 2034 time frame.

Harder discussed in detail the groundwater flow model being updated to be used to determine a stable Basin storage over a long period of time. This is an update to the model developed in 2013. The safe yield will be determined based on the forecast of pumping and recharge conditions for the next 10 years. The demand estimates are based on Urban Water

Management Plan data and adjustments have been made for climate change, Harder explained. Future pumping was maximized at the maximum rate recorded in the past.

Chair Vela noted that a change in safe yield will impact the projected imported water need, a moving target that will adapt to conditions on the ground, currently at 14,448 af, and increasing to 19,000 af per year in 2033. Mr. Jagers added that the required reduction in water use by 2025 as delineated in the Making Conservation a Way of Life legislation may also affect the projection.

Harder recommended achieving the best estimate of how to manage the Basin moving forward and adjusting as necessary in the future.

Mr. Jagers stated it appears that uncertainties are being projected forward and recommended a general discussion on ideas such as augmentation of the west side of the basin and recharge near Cabazon. An uncertainty analysis will be presented as part of the process, Harder advised.

Mr. Harder discussed recharge operations and advised that YVWD would be installing injection wells for 2,000 af per year. Mr. Armstrong asked about impact on water quality. Mr. Vela assured the recycled water injected would be indirect potable reuse.

Mr. Harder indicated that preliminary results will be presented at the next workshop with final safe yield estimate presented at the regular December meeting.

In response to Chair Vela's question about the physical split of the Basin into two sections, Mr. Harder discussed the physical bifurcation of the Basin. A zone analysis will be done, he said, to determine safe yield on the west side vs. east side as an information item, which will be helpful for planning purposes. In response to Member Vela's question as to the purpose of determining the safe yield of the west and east sides of the Basin, Harder further explained, and noted that the safe yield is based on the Basin. This amplifies the point that all the spreading basin activity is on the east side, which is already known. Harder suggested the purpose of the data could be to determine what kind of projects are needed on the west to balance. Vela asked if YVWD would be able to drill a well on the east side. Harder indicated trade may be possible. Vela indicated he did not want this to lead to awkward, poor policies. The exercise has value from a planning perspective, Vela noted. Harder suggested the information be kept in a hip pocket.

In response to Member Jagers, Harder explained the state of the science has changed to forward projection (forecasted safe yield), and

provided some detail on factors being addressed such as climate change.

Chair Vela invited public comment.

SGPWA General Manager Lance Eckhart discussed the uncertainty and the complicated process leading to a point in time for planning purposes and what ifs for support of capital improvement plans.

F. Discussion Regarding Structure of the Watermaster Committee and Inclusion of Elected Representatives as Primary Members, and Process for Nomination of Members by Participating Agencies

Recommendation: No recommendation.

Mr. Stuart highlighted the discussion of Committee membership in the judgment. He outlined questions related to establishment of a process for nomination of members. Mr. oba requested that a precursor be included in the consent calendar as an information item on whom was presented to the Court for consideration as a member to the Committee.

Following discussion, consensus of the Committee was to leave the structure as is.

G. Consideration to Incorporate Notification and Documentation Requirements for New Wells in the Watermaster Rules and Regulations

Recommendation: That the Watermaster Committee consider engaging Dudek to revise the Rules and Regulations to include specific well construction requirements and documentation of new wells and alterations to existing wells

It was moved by Member oba and seconded by Member Jagers to table Item G. Approved by the following vote:

| | |
|----------|------------------------------|
| AYES: | Armstrong, Jagers, Vela, oba |
| NOES: | None |
| ABSTAIN: | None |
| ABSENT: | City of Beaumont |
| STATUS: | Motion Approved |

H. Update on Development of Data Management System

Recommendation: No recommendation.

Mr. Matthew Palavido stated that the database and interface are in progress. He presented preliminary maps and asked members to think about any reference layers desired to be included in the system. He provided an overview and demonstrated system capabilities and data.

In response to Chair Vela, Mr. Palavido indicated the system is about 50 percent complete.

I. Consideration of Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster for Calendar Year 2024

Recommendation: That the Watermaster Committee extend the contract with Dudek for Professional Administrative and Technical Support Services for the 2024 calendar year for a sum of \$79,878 and send invoices to each Watermaster Committee member for 20% of the approved amount

The Watermaster has been working with Dudek for one year, and it seems to be working well, Member Roba stated. He recommended extension of the contract.

In response to Member Jaggars, Member Roba indicated that the current contract was 91 percent complete, per the Financial Report.

In response to Chair Vela, Member Roba explained there will be a separate, standalone Task Order for 2024.

Jaggars stated it seems appropriate from a total number perspective to keep the progress moving forward. Mr. Jaggars noted that the fee for 2024 is slightly less than this year's fee.

It was moved by Chair Vela and seconded by Member Roba to extend the contract with Dudek for Professional Administrative and Technical Support Services for the 2024 calendar year for a sum of \$79,878 and send invoices to each Watermaster Committee member for 20% of the approved amount. Approved by the following vote:

AYES: Armstrong, Jagggers, Vela, oba
NOES: None
ABSTAIN: None
ABSENT: City of Beaumont
STATUS: Motion Approved

J. Consideration of Thomas Harder & Co. Task Order No. 3 for Preparation and Attendance at Special Committee Meetings

Recommendation: That the Watermaster Committee approve Task Order No. 3 for a sum not to exceed \$17,100.00

Member oba presented the proposal and noted that Tom Harder has done a great job of informing and educating the Committee on the issues. He recommended the motion include the cost split.

Member Jagggers commented that the work is needed to support the workshops.

It was moved by Member Jagggers and seconded by Member Armstrong to approve Task Order No. 3 for a sum not to exceed \$17,100.00 and send invoices to each Watermaster Committee member for 20% of the approved amount. Approved by the following vote:

AYES: Armstrong, Jagggers, Vela, oba
NOES: None
ABSTAIN: None
ABSENT: City of Beaumont
STATUS: Motion Approved

K. Discussion of Agenda Items and Special Meeting Date(s) for Proposed Workshops

Mr. Stuart reviewed topics and open format for the workshops.

The Committee set the following Special Meeting schedule:

- Wednesday, November 1, at 11 a.m.
- Wednesday, January 10, 2024 at 11 a.m.
- Wednesday, March 6, 2024 at 11 a.m.

It was moved by Member oba and seconded by Chair Vela to approve the above schedule. Approved by the following vote:

AYES: Armstrong, Jagers, Vela, obo
 NOES: None
 ABSTAIN: None
 ABSENT: City of Beaumont
 STATUS: Motion Approved

- L. Notice of Planned Well Drilling in the Beaumont Basin from Beaumont-Cherry Valley Water District

Recommendation: Receive and File

Member Jagers presented the letter as formal notification to memorialize BCVWD's plans, as outlined in the Rules and Regulations.

VIII. Topics for Future Meetings

| | Item | Date Listed |
|---|---|-------------------------------|
| A | Development of a Recycled Water Policy | 3/27/2019 |
| B | Development of a return flow accounting policy | 3/27/2019 |
| C | Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management | 3/27/2019 |
| D | Procurement Policy including thresholds for RFP process | 8/17/2021 |
| E | Incidental discharge | 10/6/2021 |
| F | Evaluation of Storage Issues in the Basin | Tabled from 12/2/2021 meeting |
| G | Monitoring of future west side well sites and methodologies, and potential collaboration with USGS | 10/5/2022 |
| H | Direction for use of different types of storage accounts | 8/2/2023 |
| I | Revision of Rules and Regulations: <ul style="list-style-type: none"> i. Mechanism for BBWM to collect funds if storage account is in deficit (Development of a rate for overproduction of right) ii. General modernization of rules and regulations iii. Clarification of overliee transfers process iv. Proposal from Dudek for this work | 8/2/2023 |

| | | |
|---|--|-----------|
| J | Process and categorization of water production for the annual report | 8/2/2023 |
| K | Discussion on what to do when an Appropriator goes negative | 10/4/2023 |

IX. Comments from the Watermaster Committee Members

Member Jagers expressed hope for another wet year.

Chair Vela announced drilling of a new well, City of Banning C8, within the Atwell project off Highland Home Road and Wilson Street.

X. Announcements

- A. The next meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, November 1, 2023, at 11:00 a.m.
- B. Future Meeting Dates:
 - December 6, 2023 at 11:00 a.m.
 - January 10, 2024 at 11:00 a.m.
 - February 7, 2024 at 11:00 a.m.
 - March 6, 2024 at 11:00 a.m.
 - April 3, 2024 at 11:00 a.m.

XI. Adjournment

Chair Vela adjourned the meeting at 12:53 p.m.

Attest:

Daniel Jagers, Secretary
Beaumont Basin Watermaster

Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Special Meeting
Wednesday, November 1, 2023

Meeting Location:

Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, CA 92223

I. Call to Order

Chair Art Vela called the meeting to order at 11:00 a.m.

II. Roll Call

| | | |
|---------------------------------------|-----------------|---------|
| City of Banning | Art Vela | Present |
| City of Beaumont | Robert Vestal | Present |
| Beaumont-Cherry Valley Water District | Dan Jagers | Present |
| South Mesa Water Company | David Armstrong | Present |
| Yucaipa Valley Water District | Joe Oba | Present |

Hannibal Blandon and Thomas Harder were present as engineers for the Beaumont Basin Watermaster (BBWM).
Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Lance Eckhart, San Geronio Pass Water Agency General Manager
Larry Smith, San Geronio Pass Water Agency
Ron Duncan, San Geronio Pass Water Agency
Emmett Campbell, San Geronio Pass Water Agency
Matt Howard, San Geronio Pass Water Agency
Kendall Lovell, Fennemore Law
Allison Edmisten, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Jim Vandewater
Robert Rasha, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
Inmar Shihab, Beaumont-Cherry Valley Water District
Evan Ward, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District

III. Pledge of Allegiance: Chair Vela led the pledge.

IV. Public Comments: None.

V. Workshop Discussion Items

A. Update on the Safe Yield Redetermination

Thomas Harder reported that work is proceeding on the safe yield. He discussed the model and its calibration. Using a historical calibration, prior years' safe yields were: 1978 to 2022 6,700 af, 2013 to 2022 6,200 af, he noted.

Mr. Harder explained the program and the running of multiple models, and statistical range. Currently, the model is running 200 different scenarios, and staff will recommend the 50th percentile. There will be a difference of hundreds of acre-feet, could be more or could be less, he noted.

B. Mission and Vision Statement

Current Mission Statement:

Watermaster's mission is to manage the yield and storage within the Beaumont Basin to provide maximum benefit to the people dependent on it

Steve Stuart read the mission statement, reviewed the stipulated Judgment, and broached the potential for a water management plan including a goal or goals.

C. Watermaster Goal for the Basin

D. Compare Conditions in Beaumont Basin to SGMA Sustainability Criteria

E. Identify next steps

Member Armstrong pointed out the Beaumont Basin is not a Sustainable Groundwater Management Act (SGMA) basin, and the problems are known: east side / west side situation. He suggested supporting the San Geronio Pass Water Agency (SGPWA) in establishing recharge basins on the west side, as the solution is to get water into the ground.

Chair Vela noted value in the discussion and in goal setting while bearing in mind the judgement as the underlining document. There are good management ideas in SGMA that could be applied to the Basin. He indicated concern with establishing and being fully invested in the group and the goals that will make management of the Basin as a whole and the individual use of the Basin more restrictive.

Committee Members provided some suggestions for ongoing discussion and potential goals:

Basin level:

- Maintain current level in the Basin, or analyze and determine an acceptable threshold (level is managed up and down), or restore Basin to the 2004 level or another baseline
- Mr. Harder asked, What is the level at which things become significant and unreasonable He noted that in other basins, levels have been identified at which lowering of pumps would be required. He described material physical injury and suggested analysis of current pumping and depth of wells, and what level would be considered and create an untenable position.

Other items of discussion:

- Wells are finite and there is lack of State Project Water (SPW)
- The SGPWA may not always be there to rely on
- How will SPW be divided in the future
- Work will be better as a group, by utilizing all resources to maximize success
- How to manage and prevent adverse effects
- What is the future and what is sustainable Create a new forecast
- Impacts of AB 606 and SB 1668 (including Urban Water Management Plans)
- Look at realistic operational ranges of the 30-mile Basin
- Identify issues that prevent achieving beneficial use of groundwater for all users
- Achieve long-term groundwater sustainability
- System for early acknowledgement of any collapsing of the Basin without waiting for the redetermination
- Prioritization of SGPWA supply when SPW is not available and/or storage accounts are at zero

Member Armstrong indicated that SMWC Well 4 is better now than in the past, and suggested the group may be looking for a problem when there is none, but supported the production of a plan. The solution is for the SGPWA to put a recharge basin on the west side.

Member Roba pointed to the depression of 40,000 af in the north part of the Basin, which impacts YVWD.

Emmett Campbell asked how much of that decline was due to the surplus water (160,000 af allowed to be pumped in excess of the safe yield). Mr. Harder noted it would have to be analyzed. Member Roba said he disagreed, explaining it is an issue of pumping more water than could be recovered. The surplus water still appears in the members' storage accounts, Campbell noted. Mr. Eckhart noted that controlled overdraft is built into the Judgment, and it happens to be geographically concentrated in an area. He suggested that any analysis determine the location of any overlies that cannot be managed by the Watermaster.

Member Roba stated the decline is near a BCVWD well and should not have gotten to that point, although it is allowed per the Judgment, but now there is a deficit depression in the Basin that has no natural recharge and nothing significant to bring it back up. Member Jagers detailed BCVWD's Well 29 extraction and efforts to manage overdraft in that area, and pointed to extraction by the golf course and other overlies. He said he would appreciate a scientific look and said BCVWD is supportive of good management of the Basin. Member Roba suggested the consultants look into it for a future agenda item to understand why that part of the Basin is so low. The obligation is to a healthy Basin it must be left better off for those following, he added. Member Jagers cautioned against oversimplification.

Lance Eckhart pointed to the Urban Water Management Plans and suggested the inclusion of elements of a collaborative integrated plan and begin to look at projects.

Chair Vela returned the discussion to goals. Mr. Stuart noted there is a condition in the Basin that will experience issues and suggested an operational look with application of criteria, determination of risk, and establishment of goals based on a minimum threshold. It can start with hydrogeology, he stated.

Mr. Harder posited that the SGMA approach it is a process with helpful things to achieve a sustainable Basin. He reiterated the recharge imbalance between the eastern and western portions of the Basin and posed questions, does the potential extraction of the storage account balances present a potential for undesirable results, and what are the implications for not accounting for storage losses. If the balances are drawn to zero, will an untenable position be created, and what is the untenable position.

Storage has declined since adjudication in 2003, Harder explained, but with the advent of supplemental recharge in 2007, the Basin as a whole was balanced. Since about 2010, the level has been fairly stable, and from a Basin-wide standpoint, things look fairly sustainable, he said.

Harder compared the adjudication to SGMA and discussed best management practices and the SGMA process and management criteria. Potentially impacting the Beaumont Basin are sustainability indicators: chronic lowering of groundwater levels, reduction of groundwater in storage, and degraded groundwater quality. Undesirable results would be identified, along with the conditions that cause them, he said. He pointed to overlie wells on the west side and the need to identify conditions by which they would be able to continue to pump, and if there were a risk that they would not continue to be able to do so.

The groundwater flow model is the tool which will help make determinations, Harder continued.

Member Oba pointed out that typically, imported water is regarded as a supplemental water source but this Basin must obtain every drop of imported water possible in order to remain sustainable. If there is a hiccup and agencies are not mindful of development, more SPW will be run through a treatment plant rather than recharged to the Basin. He noted concern that the water needs to stay in the Basin. More will always be needed from the SGPWA the idea of getting back to 2004 levels is impossible, and it must be figured out what it takes to maintain today's levels and what problems will be encountered later on, he said.

Eckhart questioned the raising of groundwater levels when there is built in controlled overdraft to create storage in the adjudication. He explained the SGPWA supply portfolio has changed with investment in the Sites Reservoir and other sources. He described the importance of more aggressive regional conservation programs and full use of recycled water. Imported water is the critical path for the region, and has been anticipated for more than 60 years, he noted.

Eckhart emphasized the need to work together to smartly use the imported water over and over again, and to highest and best use.

Member Oba provided history on the premise of the temporary surplus and the planned contract with Metropolitan Water District (MWD) to fill the Basin, and the decision not to issue the RFP to fill the Basin. Member Armstrong noted that would be expensive water. Harder stated the Dry Year Yield Program from Chino has its pluses and minuses, but it did fund a few projects. Member Jagers recalled that the MWD contract was delayed in order to build recharge ponds, but the adjudication was followed.

The desired goal is to average orders over time to meet growth and provide redundancy, Jagers continued. He discussed the management of the storage account and reiterated that with the recent legislation, less water would be sold.

In response to Chair Vela, Mr. Harder explained the model scenarios and projections. It calculated what the safe yield is projected to be into the future. It is assumed that the recharge water is there to supply all of the overpumping (unmet replenishment), and that agencies do not have to take from their storage accounts to meet demands. Chair Vela suggested a look at a more realistic scenario that the water is not there, and agencies are pulling from storage.

There may be an economic motivator to use of water in storage when imported water costs \$399 per af, Eckhart pointed out.

Chair Vela acknowledged the serious concerns and Harder suggested running various scenarios to determine the effect on the safe yield to see if any undesirable results emerge.

Member Jagers advised about the emergency connection provided by BCVWD to Tukwet Canyon Golf Course and may be exchanged for overlie credit. In wet years, partnerships may be considered to deliver as much as possible by extraction to areas that could turn off and help recover the Basin via in-lieu recharge, Jagers noted.

Campbell suggested it may be useful to look at storage accounts to separate how much of each is the surplus water and how much is imported. Stuart recalled the discussion at the last meeting regarding priority for extraction of water.

Member Oba questioned what would happen when SPW is not available, related to study of elasticity of the Basin. Assuming all storage accounts at zero and a 50 percent water year, which SGPWA retailer would get the water, how much, and why, he asked. Information regarding prioritization is needed for planning purposes, he said. Eckhart said it is determined through projections in each agency's Urban Water Management Plan (UWMP) and SGPWA is working on a strategic portfolio plan. The unavailability of SPW has not yet been addressed, he added, and suggested improvements could be made in demand reduction and recycled water. SGPWA is pursuing the ability to maximize imports, but business certainty will be needed for making large purchases, mainly through urban planning. SGPWA reacts to the planned needs for the community it serves, he stated.

Member Jagers acknowledged the SGPWA work toward a solution. Chair Vela indicated that this discussion and any resulting goals will drive the way the SGPWA acts, noting discussions could be tense. Jagers pointed to previous conversations and said the group is working together.

Eckhart further discussed the SGPWA activities and water portfolio, emphasizing that the agency needs to know what the retailers need. Member Oba suggested quarterly managers meetings.

Mr. Harder suggested a baseline as a means to evaluate different scenarios, then discussion of the appropriate use of water. The Judgment shows appropriator storage accounts as part of an equation that feeds into what is defined as the appropriator production right, he said. That was the only measure that looked at if the appropriator were to exceed the production right, then there would be a cause for funds going into bringing in surplus water. Part of the equation included the temporary surplus, he noted. The storage accounts are part of an equation to check whether or not the appropriators are then obligated to contribute funds to bring additional water into the Basin—it is not a physical measure but a check on production.

Member oba suggested adding this to a future agenda, saying he did not think the adjudication allows for going negative. Mr. Harder indicated that if going negative, the appropriator would have to contribute funds to buy the surplus water to make up the deficit. Member oba noted the potential for declining the Basin and argued it must remain at zero to stay sustainable. Mr. Campbell said if overpumping, there is an obligation to pay for replenishment with imported water when available. oba asked if that would then become a priority for water deliveries while shorting an agency that isn't negative. Jagers suggested this would apply to a demonstrated bad actor, which this area does not seem to have to date. All are doing their part, he noted, and must be proactive in wet years as partners.

Member Armstrong said he was glad the Basin is fairly healthy and commended the SGPWA on the recharge basins.

Members agreed the workshop format is good for discussion.

Mr. Stuart indicated that he and Mr. Harder would work together to move the process forward and present it at the next meeting. Mr. Harder said he would present scenarios to review and consider, but will get the safe yield done first.

Chair Vela invited public comment. There was none.

VI. Topics for Future Meetings

| | Item | Date Listed |
|---|---|-------------------------------|
| A | Development of a Recycled Water Policy | 3/27/2019 |
| B | Development of a return flow accounting policy | 3/27/2019 |
| C | Development of a methodology and policy to account for groundwater storage losses in the Basin / groundwater management | 3/27/2019 |
| D | Procurement Policy including thresholds for RFP process | 8/17/2021 |
| E | Incidental discharge | 10/6/2021 |
| F | Evaluation of Storage Issues in the Basin | Tabled from 12/2/2021 meeting |
| G | Monitoring of future west side well sites and methodologies, and potential collaboration with USGS | 10/5/2022 |
| H | Direction for use of different types of storage accounts | 8/2/2023 |

| | | |
|---|--|-------------------------|
| I | Revision of Rules and Regulations: i. Committee participation by electeds ii. Mechanism for BBWM to collect funds if storage account is in deficit (Development of a rate for overproduction of right) iii. General modernization of rules and regulations iv. Clarification of overlier transfers process v. Proposal from Dudek for this work | 8/2/2023 |
| J | Process and categorization of water production for the annual report | 8/2/2023 |
| K | Discussion on what to do when an Appropriator goes negative | 10/4/2023 and 11/1/2023 |

VII. Comments from the Watermaster Committee Members

None.

VIII. Announcements

- A. The next meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, December 6, 2023, at 11:00 a.m.
- B. 2024 Meeting Dates:

| | |
|----------------------------------|----------------------------|
| Wednesday, January 10 at 11 a.m. | Special Meeting / Workshop |
| Wednesday, February 7 at 11 a.m. | Regular Meeting |
| Wednesday, March 6 at 11 a.m. | Special Meeting / Workshop |
| Wednesday, April 3 at 11 a.m. | Regular Meeting |
| Wednesday, June 5 at 11 a.m. | Regular Meeting |
| Wednesday, August 7 at 11 a.m. | Regular Meeting |
| Wednesday, October 2 at 11 a.m. | Regular Meeting |
| Wednesday, December 4 at 11 a.m. | Regular Meeting |

XI. Adjournment

Chair Vela adjourned the meeting at 12:45 p.m.

Attest:


 Daniel Jagers, Secretary
 Beaumont Basin Watermaster

| | | |
|---|---|----------|
| H | Direction for use of different types of storage accounts | 8/2/2023 |
| I | Revision of Rules and Regulations: <ul style="list-style-type: none"> i. Mechanism for BBWM to collect funds if storage account is in deficit (Development of a rate for overproduction of right) ii. General modernization of rules and regulations iii. Clarification of overlier transfers process iv. Proposal from Dudek for this work | 8/2/2023 |
| J | Process and categorization of water production for the annual report | 8/2/2023 |

IX. Comments from the Watermaster Committee Members: None.

X. Announcements

- A. The next meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, January 10, 2024, at 11:00 a.m.
- B. 2024 Meeting Dates:
 - Wednesday, February 7 at 11 a.m. Regular Meeting
 - Wednesday, March 6 at 11 a.m. Special Meeting
 - Wednesday, April 3 at 11 a.m. Regular Meeting
 - Wednesday, June 5 at 11 a.m. Regular Meeting
 - Wednesday, August 7 at 11 a.m. Regular Meeting
 - Wednesday, October 2 at 11 a.m. Regular Meeting
 - Wednesday, December 4 at 11 a.m. Regular Meeting

XI. Adjournment

Vice Chair Armstrong adjourned the meeting at 11:43 a.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

Appendix C

Active and Interested Party List

Beaumont Basin - 2023 Active and Interested Party List

City of Banning

Arturo Vela - Director of Public Works / City Eng.
99 E. Ramsey Street
Banning, CA 92220
avela@ci.banning.ca.us

Beaumont-Cherry Valley Water District

Dan Jagers, General Manager
560 Magnolia Avenue
Beaumont, CA 92223
dan.jagers@bcvwd.org

South Mesa Mutual Water Company

Dave Armstrong
Post Office Box 458
Calimesa, CA 92320
darmstrongsmwc@yahoo.com

San Bernardino Valley MWD

Douglas Headrick
380 East Vanderbilt Way
San Bernardino, CA 92408

California Oak Valley Golf and Resort, LLC.

Ron Sullivan
27710 Jefferson Avenue, Suite 301
Temecula, CA 92590

Albor Properties

Eric Borstein
12301 Wilshire Boulevard, Suite 302
Los Angeles, CA 90025

Plantation on the Lake

James Krueger
10961 Desert Lawn Drive
Calimesa, CA 92320
jjmk@mrc1.com

Robert C. Newman

29455 Live Oak Canyon Road
Redlands, CA 92373
newman4governor@aol.com

Yucaipa Valley Water District

Joseph Zoba, General Manager
12770 Second Street
Yucaipa, CA 92399
jzoba@yvwd.dst.ca.us

City of Beaumont

Robert Vestal, Principal Engineer
550 East Sixth Street
Beaumont, CA 92223
rvestal@beaumontca.gov

San Geronio Pass Water Agency

Lance Eckhart, General Manager
1210 Beaumont Avenue
Beaumont, CA 92223
Leckhart@sgpwa.com

Oak Valley Partners, LP.

John Ohanian
Post Office Box 645
10410 Roberts Road
Calimesa, CA 92320

Patsy Reeley

10096 Live Oak Avenue
Cherry Valley, CA 92223

Sharondale Mesa Owners Association

Ira Pace
9525 Sharon Way
Calimesa, CA 92320
rbnib@msn.com

Merlin Properties, LLC.

Fred and Richard Reidman
6475 East Pacific Coast Highway, Suite 399
Long Beach, CA 90803
riedman@gte.net

Manheim, Manheim, and Berman

Steve Anderson, Esq.
Best, Best and Krieger
3750 University Avenue, Suite 400
Riverside, CA 92501

Beaumont Basin - 2023 Active and Interested Party List

Judy Bingham

115 Viele Avenue
Beaumont, CA 92223

Robert Hawkins, Esq.

14 Corporate Plaza
Ste 120
Newport Beach, CA 92660

Thomas Harder and Company

Thomas Harder
1260 N. Hancock, Suite 109
Anaheim, CA 92807
tharder@thomashardercompany.com
714.792.3875

Niki Magee

38455 Vineland Street
Cherry Valley, CA 92223

Latham and Watkins, LLP.

Paul Singarella, Esq.
650 Town Center Drive, 20th Floor
Costa Mesa, CA 92626-1925

Alda, Inc.

Anibal Blandon
5928 Vineyard Avenue
Rancho Cucamonga, CA 91701
blandon@aldaengineering.com
909.587.9916

Appendix D

Fiscal Year 2022-23 Audit Letter

BEAUMONT BASIN WATERMASTER
INDEPENDENT ACCOUNTANT'S REPORT ON APPLYING
AGREED-UPON PROCEDURES
ON THE BEAUMONT BASIN WATERMASTER SCHEDULES
JUNE 30, 2023



ROGERS, ANDERSON, MALODY & SCOTT, LLP
CERTIFIED PUBLIC ACCOUNTANTS SINCE 1988

735 E. Carnegie Dr. Suite 100
San Bernardino, CA 92408
909 889 0871 T
909 889 5361 F
ramscca.net

Independent Accountant's Report

PARTNERS

Terry F. Shea, CPA
Scott W. Mason, CPA, CGMA
Leona Macabrig, CPA, CFE, CFE
Basilford A. Wolcott, CPA, MBA, CMAA
Jimmy W. Cox, CPA, CFE
Gardner J. Garcia, CPA, CGMA
Bryan Schultz, CPA, CGMA
Brenda J. Quito, CPA, MS, CFPP, CFE, CMAA

Yucaipa Valley Water District as Treasurer
of the Beaumont Basin Watermaster
Yucaipa, California

We have performed the procedures enumerated below on the Watermaster Schedules (Schedules), attached as Exhibit A and Exhibit B, on the full accrual basis of accounting as of June 30, 2023, and for the year then ended. Yucaipa Valley Water District (the District) management, as treasurer of the Beaumont Basin Watermaster (the Watermaster), is responsible for the Schedules.

MANAGERS / STAFF

Seung Hyun Lee, CPA, MBA
Evelyn Patricia Barrena, CPA
Veronica Estrada, CPA
Laura Avila, CPA
Julie Eskoborn, CPA, MBA
Jola Rodriguez Fuentes, CPA, MBA
Diana Gao, CPA
Jeffrey Dickman, CPA

The District, the Watermaster and its member agencies have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of evaluating certain amounts reported in the Schedules, attached as Exhibit A and Exhibit B, on the full accrual basis of accounting as of June 30, 2023, and for the year then ended and its compliance with the Rules and Regulations regarding assessments and expenses. Additionally, the Watermaster has agreed to and acknowledged that the procedures performed are appropriate to meet their purposes. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures and the associated findings are as follows:

1. Procedure

Agree the unrestricted net position, beginning of year amount on the Schedule of Revenues and Expenses (Exhibit B) to the unrestricted net position, end of year amount noted on the trial balance for the fiscal year ended June 30, 2022.

Finding

No exceptions were noted as a result of applying the procedure.

MEMBERS

American Institute of
Certified Public Accountants
CPA Council on
Governmental Audit
Quality (AICPA)
California Society of
Certified Public Accountants



2. Procedure

Agree the cash balance reported on Exhibit A to the bank reconciliation, bank statement and trial balance. Select all of the deposits in transit and outstanding checks and trace their clearing to the subsequent month's bank statement.

Finding

No exceptions were noted as a result of applying the procedure.

3. Procedure

Trace all member agency assessments recorded in the Schedule of Revenues and Expenses (Exhibit B) to the invoices and the bank statements.

Finding

No exceptions were noted as a result of applying the procedure.

4. Procedure

Compare the ending check number for the fiscal year ended June 30, 2022 to the beginning check number for the period beginning on July 1, 2022. Note any breaks in check sequence for the period of July 1, 2022 through June 30, 2023.

Finding

No exceptions were noted as a result of applying the procedure.

5. Procedure

Based on the population of checks issued during July 1, 2022 through June 30, 2023, select all payments and trace the check to supporting invoice noting whether the activity pertains to the Watermaster. Agree the dollar amount and vendor on the invoice to the check for accuracy.

Finding

No exceptions were noted as a result of applying the procedure.

6. Procedure

Obtain the general ledger detail for the period of July 1, 2022 to June 30, 2023. Select all journal entries and trace the transaction to an approved journal entry and documentation supporting the nature and rationale of the journal entry.

Finding

No exceptions were noted as a result of applying the procedure.

We were engaged by the District, the Watermaster, and its member agencies to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an examination or review, the objective of which would be the expression of an opinion or conclusion, respectively, on the schedule of assets, liabilities and net position (Exhibit A) and the schedule revenues and expenses (Exhibit B). Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of the District, the Watermaster and its member agencies and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Watermaster and the District and is not intended to be and should not be used by anyone other than the specified parties.

Rogers, Anderson, Malody & Scott, LLP.

August 31, 2023
San Bernardino, California

Exhibit A

**Beaumont Basin Watermaster
Schedule of Assets, Liabilities and Net Position
(Unaudited)
June 30, 2023**

| | |
|---------------------------|-------------------|
| Assets | |
| Cash and cash equivalents | \$ 324,334 |
| Accounts receivable | <u>263</u> |
| Total assets | <u>324,597</u> |
| Liabilities | |
| Accounts payable | <u>-</u> |
| Net position | |
| Unrestricted | <u>\$ 324,597</u> |

Exhibit B

**Beaumont Basin Watermaster
Schedule of Revenues and Expenses
(Unaudited)
For the year ended June 30, 2023**

| | |
|--|--------------------------|
| Revenues | |
| Assessments | \$ 433,208 |
| Interest | <u>104</u> |
| Total revenues | <u>433,312</u> |
| Expenses | |
| Special projects | |
| Acquisition/computation and annual report | 86,683 |
| Engineering | 150,700 |
| Monitoring and data acquisition | 36,375 |
| Administrative | |
| Legal and professional | 19,617 |
| Bank charges | <u>33</u> |
| Total expenses | <u>293,408</u> |
| Change in net position | 139,904 |
| Unrestricted net position, beginning of year | <u>184,693</u> |
| Unrestricted net position, end of year | <u><u>\$ 324,597</u></u> |

Appendix E

Production Estimation Methods for Unmetered Overlying Producers

**University of California Riverside - CIMIS Station 44
Monthly Evapotranspiration Values - 2003 through 2023**

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 2003 | 3.05 | 2.57 | 4.61 | 5.00 | 5.65 | 5.16 | 7.05 | 7.46 | 5.54 | 4.08 | 2.23 | 2.07 | 54.47 |
| 2004 | 2.49 | 2.76 | 4.81 | 5.90 | 7.10 | 6.50 | 7.55 | 6.81 | 5.83 | 3.39 | 2.44 | 2.30 | 57.88 |
| 2005 | 2.02 | 2.21 | 3.93 | 5.41 | 6.47 | 6.49 | 7.28 | 6.68 | 5.32 | 3.65 | 2.84 | 2.15 | 54.45 |
| 2006 | 2.92 | 3.35 | 3.42 | 4.26 | 6.02 | 7.16 | 7.73 | 7.20 | 5.70 | 3.95 | 3.14 | 2.94 | 57.79 |
| 2007 | 3.28 | 2.91 | 5.02 | 5.04 | 6.47 | 7.16 | 7.57 | 7.09 | 5.44 | 4.34 | 2.81 | 2.24 | 59.37 |
| 2008 | 1.69 | 2.31 | 5.30 | 6.04 | 6.28 | 7.59 | 7.53 | 7.23 | 5.79 | 5.02 | 3.14 | 1.89 | 59.81 |
| 2009 | 3.32 | 2.41 | 4.62 | 5.58 | 6.32 | 5.37 | 7.60 | 6.68 | 5.89 | 4.40 | 3.18 | 2.08 | 57.45 |
| 2010 | 2.35 | 2.44 | 4.67 | 5.11 | 6.18 | 6.25 | 6.57 | 6.99 | 5.45 | 2.10 | 3.22 | 1.78 | 53.11 |
| 2011 | 2.91 | 2.91 | 4.22 | 5.57 | 6.67 | 6.95 | 7.76 | 7.65 | 5.47 | 4.03 | 2.45 | 2.82 | 59.41 |
| 2012 | 3.02 | 3.41 | 4.51 | 5.85 | 7.00 | 7.62 | 7.93 | 7.84 | 6.44 | 4.38 | 2.72 | 1.70 | 62.42 |
| 2013 | 2.72 | 3.18 | 4.80 | 5.71 | 7.01 | 7.36 | 7.13 | 7.37 | 6.14 | 4.27 | 2.76 | 2.80 | 61.25 |
| 2014 | 3.27 | 3.03 | 4.95 | 6.52 | 7.65 | 7.61 | 7.77 | 7.29 | 6.19 | 4.52 | 3.21 | 2.01 | 64.02 |
| 2015 | 2.84 | 3.32 | 5.85 | 6.28 | 5.37 | 7.46 | 6.75 | 7.66 | 5.81 | 4.22 | 2.77 | 2.35 | 60.68 |
| 2016 | 2.09 | 4.29 | 4.92 | 6.04 | 6.21 | 7.21 | 7.74 | 6.88 | 5.30 | 3.87 | 3.18 | 1.99 | 59.72 |
| 2017 | 1.81 | 2.08 | 5.01 | 6.13 | 5.95 | 6.98 | 7.11 | 6.40 | 4.92 | 4.54 | 2.35 | 3.09 | 56.37 |
| 2018 | 2.41 | 3.17 | 3.81 | 5.69 | 5.57 | 7.61 | 8.04 | 7.35 | 5.86 | 4.30 | 3.13 | 2.24 | 59.18 |
| 2019 | 2.29 | 2.37 | 4.36 | 5.90 | 4.95 | 6.49 | 8.03 | 7.68 | 5.76 | 5.11 | 3.05 | 1.81 | 57.80 |
| 2020 | 2.65 | 3.71 | 3.66 | 4.83 | 7.25 | 6.42 | 8.17 | 7.74 | 6.33 | 4.81 | 3.22 | 2.70 | 61.49 |
| 2021 | 2.98 | 3.51 | 4.66 | 5.87 | 6.45 | 7.41 | 8.10 | 7.14 | 5.86 | 4.03 | 3.31 | 1.52 | 60.84 |
| 2022 | 3.01 | 3.96 | 5.39 | 6.05 | 6.54 | 7.96 | 8.15 | 7.86 | 5.74 | 3.87 | 2.97 | 1.77 | 63.27 |
| 2023 | 2.21 | 2.85 | 3.29 | 5.73 | 5.54 | 5.91 | 8.51 | 7.47 | 4.95 | 4.70 | 3.41 | 2.29 | 56.86 |

Crop Coefficient (Warm Season Bermuda Grass)

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

Indoor Water Use: 0.35 ac-ft/yr/du

Irrigation Efficient 70%

Estimated Pumping - All Unmetered Accounts

| Year | Total Use |
|------|-----------|
| 2004 | 466.11 |
| 2005 | 443.64 |
| 2006 | 81.28 |
| 2007 | 12.23 |
| 2008 | 13.78 |
| 2009 | 13.47 |
| 2010 | 11.85 |

| Year | Total Use |
|------|-----------|
| 2011 | 12.67 |
| 2012 | 13.07 |
| 2013 | 12.91 |
| 2014 | 13.28 |
| 2015 | 12.84 |
| 2016 | 12.71 |
| 2017 | 12.28 |

| Year | Total Use |
|------|-----------|
| 2018 | 12.64 |
| 2019 | 12.46 |
| 2020 | 12.94 |
| 2021 | 12.86 |
| 2022 | 13.18 |
| 2023 | 12.34 |

Monthly Water Requirements (inches)

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 2004 | 1.74 | 1.93 | 3.37 | 4.13 | 4.97 | 4.55 | 5.29 | 4.77 | 4.08 | 2.37 | 1.71 | 1.61 | 40.52 |
| 2005 | 1.41 | 1.55 | 2.75 | 3.79 | 4.53 | 4.54 | 5.10 | 4.68 | 3.72 | 2.56 | 1.99 | 1.51 | 38.12 |
| 2006 | 2.04 | 2.35 | 2.39 | 2.98 | 4.21 | 5.01 | 5.41 | 5.04 | 3.99 | 2.77 | 2.20 | 2.06 | 40.45 |
| 2007 | 2.30 | 2.04 | 3.51 | 3.53 | 4.53 | 5.01 | 5.30 | 4.96 | 3.81 | 3.04 | 1.97 | 1.57 | 41.56 |
| 2008 | 1.18 | 1.62 | 3.71 | 4.23 | 4.40 | 5.31 | 5.27 | 5.06 | 4.05 | 3.51 | 2.20 | 1.32 | 41.87 |
| 2009 | 2.32 | 1.69 | 3.23 | 3.91 | 4.42 | 3.76 | 5.32 | 4.68 | 4.12 | 3.08 | 2.23 | 1.46 | 40.22 |
| 2010 | 1.65 | 1.71 | 3.27 | 3.58 | 4.33 | 4.38 | 4.60 | 4.89 | 3.82 | 1.47 | 2.25 | 1.25 | 37.18 |
| 2011 | 2.04 | 2.04 | 2.95 | 3.90 | 4.67 | 4.87 | 5.43 | 5.36 | 3.83 | 2.82 | 1.72 | 1.97 | 41.59 |
| 2012 | 2.11 | 2.39 | 3.16 | 4.10 | 4.90 | 5.33 | 5.55 | 5.49 | 4.51 | 3.07 | 1.90 | 1.19 | 43.69 |
| 2013 | 1.90 | 2.23 | 3.36 | 4.00 | 4.91 | 5.15 | 4.99 | 5.16 | 4.30 | 2.99 | 1.93 | 1.96 | 42.88 |
| 2014 | 2.29 | 2.12 | 3.47 | 4.56 | 5.36 | 5.33 | 5.44 | 5.10 | 4.33 | 3.16 | 2.25 | 1.41 | 44.81 |
| 2015 | 1.99 | 2.32 | 4.10 | 4.40 | 3.76 | 5.22 | 4.73 | 5.36 | 4.07 | 2.95 | 1.94 | 1.65 | 42.48 |
| 2016 | 1.46 | 3.00 | 3.44 | 4.23 | 4.35 | 5.05 | 5.42 | 4.82 | 3.71 | 2.71 | 2.23 | 1.39 | 41.80 |
| 2017 | 1.27 | 1.46 | 3.51 | 4.29 | 4.17 | 4.89 | 4.98 | 4.48 | 3.44 | 3.18 | 1.65 | 2.16 | 39.46 |
| 2018 | 1.69 | 2.22 | 2.67 | 3.98 | 3.90 | 5.33 | 5.63 | 5.15 | 4.10 | 3.01 | 2.19 | 1.57 | 41.43 |
| 2019 | 1.60 | 1.66 | 3.05 | 4.13 | 3.47 | 4.54 | 5.62 | 5.38 | 4.03 | 3.58 | 2.14 | 1.27 | 40.46 |
| 2020 | 1.86 | 2.60 | 2.56 | 3.38 | 5.08 | 4.49 | 5.72 | 5.42 | 4.43 | 3.37 | 2.25 | 1.89 | 43.04 |
| 2021 | 2.09 | 2.46 | 3.26 | 4.11 | 4.52 | 5.19 | 5.67 | 5.00 | 4.10 | 2.82 | 2.32 | 1.06 | 42.59 |
| 2022 | 2.11 | 2.77 | 3.77 | 4.24 | 4.58 | 5.57 | 5.71 | 5.50 | 4.02 | 2.71 | 2.08 | 1.24 | 44.29 |
| 2023 | 1.55 | 2.00 | 2.30 | 4.01 | 3.88 | 4.14 | 5.96 | 5.23 | 3.47 | 3.29 | 2.39 | 1.60 | 39.80 |

Estimated Pumping by Merlin Properties

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 48 | 3 | 1.05 | 0.11 | 0.37 | 0.53 | 1.58 |
| 2005 | 48 | 3 | 1.05 | 0.11 | 0.35 | 0.50 | 1.55 |
| 2006 | 48 | 3 | 1.05 | 0.11 | 0.37 | 0.53 | 1.58 |
| 2007 | 48 | 3 | 1.05 | 0.11 | 0.38 | 0.54 | 1.59 |
| 2008 | 48 | 3 | 1.05 | 0.11 | 0.38 | 0.55 | 1.60 |
| 2009 | 48 | 3 | 1.05 | 0.11 | 0.37 | 0.53 | 1.58 |
| 2010 | 48 | 3 | 1.05 | 0.11 | 0.34 | 0.49 | 1.54 |
| 2011 | 48 | 3 | 1.05 | 0.11 | 0.38 | 0.54 | 1.59 |
| 2012 | 48 | 3 | 1.05 | 0.11 | 0.40 | 0.57 | 1.62 |
| 2013 | 48 | 3 | 1.05 | 0.11 | 0.39 | 0.56 | 1.61 |
| 2014 | 48 | 3 | 1.05 | 0.11 | 0.41 | 0.59 | 1.64 |
| 2015 | 48 | 3 | 1.05 | 0.11 | 0.39 | 0.56 | 1.61 |
| 2016 | 48 | 3 | 1.05 | 0.11 | 0.38 | 0.55 | 1.60 |
| 2017 | 48 | 3 | 1.05 | 0.11 | 0.36 | 0.52 | 1.57 |
| 2018 | 48 | 3 | 1.05 | 0.11 | 0.38 | 0.54 | 1.59 |
| 2019 | 48 | 3 | 1.05 | 0.11 | 0.37 | 0.53 | 1.58 |
| 2020 | 48 | 3 | 1.05 | 0.11 | 0.39 | 0.56 | 1.61 |
| 2021 | 48 | 3 | 1.05 | 0.11 | 0.39 | 0.56 | 1.61 |
| 2022 | 48 | 3 | 1.05 | 0.11 | 0.41 | 0.58 | 1.63 |
| 2023 | 48 | 3 | 1.05 | 0.11 | 0.36 | 0.52 | 1.57 |

Estimated Pumping by Roman Catholic Bishop of San Bernardino

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 34 | 2 | 0.70 | 12.10 | 40.85 | 58.36 | 59.06 |
| 2005 | 34 | 2 | 0.70 | 12.10 | 38.43 | 54.90 | 55.60 |
| 2006 | 34 | 2 | 0.70 | 12.10 | 40.79 | 58.27 | 58.97 |
| 2007 | 34 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2008 | 34 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2009 | 34 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2010 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2011 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2012 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2013 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2014 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2015 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2018 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2020 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2022 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023 | 34 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Estimated Pumping by Leonard Stearns

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2005 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2006 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2007 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2008 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2009 | 91 | 3 | 1.05 | 0.00 | 0.00 | 0.00 | 1.05 |
| 2010 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2011 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2012 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2013 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2014 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2015 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2016 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2017 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2018 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2019 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2020 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2021 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2022 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |
| 2023 | 91 | 2 | 0.70 | 0.00 | 0.00 | 0.00 | 0.70 |

Estimated Pumping by Sunny Cal

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Number of Chickens | Chicken Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|--------------------|------------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 200 | 10 | 3.50 | 1,200,000 | 80.65 | 66.40 | 224.19 | 320.27 | 404.42 |
| 2005 | 200 | 10 | 3.50 | 1,200,000 | 80.65 | 66.40 | 210.90 | 301.29 | 385.44 |
| 2006 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.40 | 1.35 | 1.93 | 2.63 |
| 2007 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.40 | 1.39 | 1.98 | 2.68 |
| 2008 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.44 | 3.49 | 4.19 |
| 2009 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.35 | 3.35 | 4.05 |
| 2010 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.17 | 3.10 | 3.80 |
| 2011 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.43 | 3.47 | 4.17 |
| 2012 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.55 | 3.64 | 4.34 |
| 2013 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.50 | 3.57 | 4.27 |
| 2014 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.61 | 3.73 | 4.43 |
| 2015 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.48 | 3.54 | 4.24 |
| 2016 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.44 | 3.48 | 4.18 |
| 2017 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.30 | 3.29 | 3.99 |
| 2018 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.42 | 3.45 | 4.15 |
| 2019 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.36 | 3.37 | 4.07 |
| 2020 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.51 | 3.59 | 4.29 |
| 2021 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.48 | 3.55 | 4.25 |
| 2022 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.58 | 3.69 | 4.39 |
| 2023 | 185 | 2 | 0.70 | 0.00 | 0.00 | 0.70 | 2.32 | 3.32 | 4.02 |

Water consumption per chicken estimated at 6.0 gal/100 chickens

Estimated Pumping by Albor Properties

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 122 | 2 | 0.70 | 2.60 | 8.76 | 12.52 | 13.22 |
| 2007 | 122 | 1 | 0.35 | 0.40 | 1.39 | 1.98 | 2.33 |
| 2008 | 122 | 1 | 0.35 | 0.40 | 1.40 | 1.99 | 2.34 |
| 2009 | 122 | 1 | 0.35 | 0.40 | 1.34 | 1.92 | 2.27 |
| 2010 | 122 | 1 | 0.35 | 0.40 | 1.24 | 1.77 | 2.12 |
| 2011 | 122 | 1 | 0.35 | 0.40 | 1.39 | 1.98 | 2.33 |
| 2012 | 122 | 1 | 0.35 | 0.40 | 1.46 | 2.08 | 2.43 |
| 2013 | 122 | 1 | 0.35 | 0.40 | 1.43 | 2.04 | 2.39 |
| 2014 | 122 | 1 | 0.35 | 0.40 | 1.49 | 2.13 | 2.48 |
| 2015 | 122 | 1 | 0.35 | 0.40 | 1.42 | 2.02 | 2.37 |
| 2016 | 122 | 1 | 0.35 | 0.40 | 1.39 | 1.99 | 2.34 |
| 2017 | 122 | 1 | 0.35 | 0.40 | 1.32 | 1.88 | 2.23 |
| 2018 | 122 | 1 | 0.35 | 0.40 | 1.38 | 1.97 | 2.32 |
| 2019 | 122 | 1 | 0.35 | 0.40 | 1.35 | 1.93 | 2.28 |
| 2020 | 122 | 1 | 0.35 | 0.40 | 1.43 | 2.05 | 2.40 |
| 2021 | 122 | 1 | 0.35 | 0.40 | 1.42 | 2.03 | 2.38 |
| 2022 | 122 | 1 | 0.35 | 0.40 | 1.48 | 2.11 | 2.46 |
| 2023 | 122 | 1 | 0.35 | 0.40 | 1.33 | 1.90 | 2.25 |

Estimated Pumping by Nikodinov

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 10 | 1 | 0.35 | 0.08 | 0.27 | 0.39 | 0.74 |
| 2007 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.40 | 0.75 |
| 2008 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.40 | 0.75 |
| 2009 | 10 | 1 | 0.35 | 0.08 | 0.27 | 0.38 | 0.73 |
| 2010 | 10 | 1 | 0.35 | 0.08 | 0.25 | 0.35 | 0.70 |
| 2011 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.40 | 0.75 |
| 2012 | 10 | 1 | 0.35 | 0.08 | 0.29 | 0.42 | 0.77 |
| 2013 | 10 | 1 | 0.35 | 0.08 | 0.29 | 0.41 | 0.76 |
| 2014 | 10 | 1 | 0.35 | 0.08 | 0.30 | 0.43 | 0.78 |
| 2015 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.40 | 0.75 |
| 2016 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.40 | 0.75 |
| 2017 | 10 | 1 | 0.35 | 0.08 | 0.26 | 0.38 | 0.73 |
| 2018 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.39 | 0.74 |
| 2019 | 10 | 1 | 0.35 | 0.08 | 0.27 | 0.39 | 0.74 |
| 2020 | 10 | 1 | 0.35 | 0.08 | 0.29 | 0.41 | 0.76 |
| 2021 | 10 | 1 | 0.35 | 0.08 | 0.28 | 0.41 | 0.76 |
| 2022 | 10 | 1 | 0.35 | 0.08 | 0.30 | 0.42 | 0.77 |
| 2023 | 10 | 1 | 0.35 | 0.08 | 0.27 | 0.38 | 0.73 |

Estimated Pumping by McAmis

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 0.9 | 1 | 0.35 | 0.04 | 0.13 | 0.19 | 0.54 |
| 2007 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2008 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2009 | 0.9 | 1 | 0.35 | 0.04 | 0.13 | 0.19 | 0.54 |
| 2010 | 0.9 | 1 | 0.35 | 0.04 | 0.12 | 0.18 | 0.53 |
| 2011 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2012 | 0.9 | 1 | 0.35 | 0.04 | 0.15 | 0.21 | 0.56 |
| 2013 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2014 | 0.9 | 1 | 0.35 | 0.04 | 0.15 | 0.21 | 0.56 |
| 2015 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2016 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2017 | 0.9 | 1 | 0.35 | 0.04 | 0.13 | 0.19 | 0.54 |
| 2018 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2019 | 0.9 | 1 | 0.35 | 0.04 | 0.13 | 0.19 | 0.54 |
| 2020 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2021 | 0.9 | 1 | 0.35 | 0.04 | 0.14 | 0.20 | 0.55 |
| 2022 | 0.9 | 1 | 0.35 | 0.04 | 0.15 | 0.21 | 0.56 |
| 2023 | 0.9 | 1 | 0.35 | 0.04 | 0.13 | 0.19 | 0.54 |

Estimated Pumping by Aidama

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 1.4 | 1 | 0.35 | 0.10 | 0.34 | 0.48 | 0.83 |
| 2007 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.49 | 0.84 |
| 2008 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.50 | 0.85 |
| 2009 | 1.4 | 1 | 0.35 | 0.10 | 0.34 | 0.48 | 0.83 |
| 2010 | 1.4 | 1 | 0.35 | 0.10 | 0.31 | 0.44 | 0.79 |
| 2011 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.50 | 0.85 |
| 2012 | 1.4 | 1 | 0.35 | 0.10 | 0.36 | 0.52 | 0.87 |
| 2013 | 1.4 | 1 | 0.35 | 0.10 | 0.36 | 0.51 | 0.86 |
| 2014 | 1.4 | 1 | 0.35 | 0.10 | 0.37 | 0.53 | 0.88 |
| 2015 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.51 | 0.86 |
| 2016 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.50 | 0.85 |
| 2017 | 1.4 | 1 | 0.35 | 0.10 | 0.33 | 0.47 | 0.82 |
| 2018 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.49 | 0.84 |
| 2019 | 1.4 | 1 | 0.35 | 0.10 | 0.34 | 0.48 | 0.83 |
| 2020 | 1.4 | 1 | 0.35 | 0.10 | 0.36 | 0.51 | 0.86 |
| 2021 | 1.4 | 1 | 0.35 | 0.10 | 0.35 | 0.51 | 0.86 |
| 2022 | 1.4 | 1 | 0.35 | 0.10 | 0.37 | 0.53 | 0.88 |
| 2023 | 1.4 | 1 | 0.35 | 0.10 | 0.33 | 0.47 | 0.82 |

Estimated Pumping by Gutierrez

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 2 | 2 | 0.70 | 0.14 | 0.47 | 0.67 | 1.37 |
| 2007 | 2 | 2 | 0.70 | 0.14 | 0.48 | 0.69 | 1.39 |
| 2008 | 2 | 2 | 0.70 | 0.14 | 0.49 | 0.70 | 1.40 |
| 2009 | 2 | 2 | 0.70 | 0.14 | 0.47 | 0.67 | 1.37 |
| 2010 | 2 | 2 | 0.70 | 0.14 | 0.43 | 0.62 | 1.32 |
| 2011 | 2 | 2 | 0.70 | 0.14 | 0.49 | 0.69 | 1.39 |
| 2012 | 2 | 2 | 0.70 | 0.14 | 0.51 | 0.73 | 1.43 |
| 2013 | 2 | 2 | 0.70 | 0.14 | 0.50 | 0.71 | 1.41 |
| 2014 | 2 | 2 | 0.70 | 0.14 | 0.52 | 0.75 | 1.45 |
| 2015 | 2 | 2 | 0.70 | 0.14 | 0.50 | 0.71 | 1.41 |
| 2016 | 2 | 2 | 0.70 | 0.14 | 0.49 | 0.70 | 1.40 |
| 2017 | 2 | 2 | 0.70 | 0.14 | 0.46 | 0.66 | 1.36 |
| 2018 | 2 | 2 | 0.70 | 0.14 | 0.48 | 0.69 | 1.39 |
| 2019 | 2 | 2 | 0.70 | 0.14 | 0.47 | 0.67 | 1.37 |
| 2020 | 2 | 2 | 0.70 | 0.14 | 0.50 | 0.72 | 1.42 |
| 2021 | 2 | 2 | 0.70 | 0.14 | 0.50 | 0.71 | 1.41 |
| 2022 | 2 | 2 | 0.70 | 0.14 | 0.52 | 0.74 | 1.44 |
| 2023 | 2 | 2 | 0.70 | 0.14 | 0.46 | 0.66 | 1.36 |

Estimated Pumping by Damont

| Year | Parcel Size (acres) | D.U. | Indoor Water Use (ac-ft/yr) | Irrigated Acres | Irrigation Requirement (ac-ft/yr) | Outdoor Water Use (ac-ft/yr) | Total Use (ac-ft/yr) |
|------|---------------------|------|-----------------------------|-----------------|-----------------------------------|------------------------------|----------------------|
| 2004 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2005 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2006 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2007 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2008 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2009 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2010 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2011 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2012 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2013 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2014 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2015 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2016 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2017 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2018 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2019 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2020 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2021 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2022 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |
| 2023 | 0.5 | 1 | 0.35 | 0.00 | 0.00 | 0.00 | 0.35 |

Appendix F

Supporting Documentation Provided by YVWD on September 18, 2023 as part of the Transfer of Overlying Water Rights from Oak Valley Partners to YVWD

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-25**

Date: October 4, 2023

From: Joseph B. Zoba

Subject: Transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018, 2019, 2020, 2021, and 2022

Recommendation: Receive and file the transfer of Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District for Calendar Years 2018-2022 and update the appropriate records in the 2023 Annual Report to reflect the transfers.

On August 30, 2017, the Beaumont Basin Watermaster adopted Resolution No. 2017-02 approving the transfer of water rights to specific parcels owned by Oak Valley Partners. Section 2 of this resolution states that “once OVP [Oak Valley Partners] and/or its successors or assigns secures commitments from the YVWD [Yucaipa Valley Water District] to provide water service to the development phases of the Project, and when water service is provided to the designated Project parcels, then the overlying water rights for those Project parcels shall be transferred to YVWD.”

Yucaipa Valley Water District filed an executed Form 5 to the Beaumont Basin Watermaster dated November 19, 2019 which Earmarked all of the Overlying Water Rights from Oak Valley Partners to Yucaipa Valley Water District. The filing of Form 5 reserves 1,806 acre feet / 1,398.90 acre feet of Overlying Water Rights with the transfer of Overlying Water Rights being perfected based on the amount of water served to the Project parcels identified in Resolution No. 2017-02.

On September 19, 2023, the attached documents were transmitted to Dan Jaggars, Secretary of the Beaumont Basin Watermaster. The following table summarizes the Overlying Water Right transfers from Oak Valley Partners to Yucaipa Valley Water District.

| Calendar Year | Annual Volume of Retail Water Served by YVWD to OVP (AF) | Cumulative Volume of Retail Water Served by YVWD to OVP (AF) | Annual Transfer of Water Rights from OVP to YVWD (AF) | Cumulative Transfer of Water Rights from OVP to YVWD (AF) |
|---------------|--|--|---|---|
| 2018 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2019 | 63.96 | 64.07 | 63.85 | 63.96 |
| 2020 | 194.82 | 258.89 | 130.86 | 194.82 |
| 2021 | 366.77 | 625.66 | 171.95 | 366.77 |
| 2022 | 478.25 | 1,103.91 | 111.48 | 478.25 |

Based on the amount of Overlying Water Rights transferred to Yucaipa Valley Water District for each calendar year, the corresponding Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the appropriate tables in the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Attachments:

- Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2018 – See page 3 of 85
- Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2019 – See page 13 of 85
- Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2020 – See page 27 of 85
- Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2021 – See page 45 of 85
- Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2022 – See page 65 of 85

RESOLUTION NO. 2017-02

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER APPROVING THE TRANSFER OF OVERLYING WATER RIGHTS TO SPECIFIC PARCELS

WHEREAS, the Stipulated Judgment establishing the Beaumont Basin Watermaster (Riverside Superior Court Case No. 389197) (“Adjudication”) was filed with the Superior Court of California, County of Riverside on February 4, 2004; and

WHEREAS, Oak Valley Partners, L.P. (“OVP”) was designated as holding Overlying Water Rights within the Adjudication, with an overall water amount of 1806 acre-feet/year spread over 5,331.65 acres under the then-specified Safe Yield of the basin as described in the Adjudication. As specified in the Adjudication, OVP’s property consists of numerous assessor parcels that are identified within Exhibit D of the Adjudication (“OVP Adjudication Parcels”). Section III, 3(G) of the Adjudication outlines OVP’s intended development of its property and specifies the process that OVP may utilize to arrange the transfer of its Overlying Water Rights to particular development parcels eventually to be serviced by one or more retail water service providers upon annexation; and

WHEREAS, OVP now desires to have its designated Overlying Water Rights acknowledged in the Adjudication assigned to the requisite Assessor Parcel Numbers within the Summerwind Ranch Specific Plan (“Project”) that correlate to certain of the OVP Adjudication Parcels; and

WHEREAS, the OVP Adjudication Parcels listed on Exhibit D of the Adjudication that correlate to the Project parcels and which total 2409.02 acres include the following parcel numbers from Exhibit D:

- 413-040-002;
- 413-160-003 through 007;
- 413-170-020, 021, 023, 027 through 031, 033, and 035;
- 413-180-017 and 019;
- 413-190-001 and 011;
- 413-200-002, 010, 014, 015, 020, 023, 024, 026 through 030, and 034 through 037;
- 413-290-003 and 007;
- 413-460-038; and

WHEREAS, the Assessor Parcel Numbers for the Project parcels that correlate to the above-designated OVP Adjudication Parcels as contained in Exhibit D to the Adjudication are listed and specified in Exhibit 1 attached hereto; and

WHEREAS, OVP desires that Watermaster approve the transfer of all of OVP’s Overlying Water Rights designated within the Adjudication to the Project parcels identified in Exhibit 1 attached hereto for the development of the Project by OVP and its successors and/or assigns; and

WHEREAS, OVP further intends to secure commitments from the Yucaipa Valley Water District to provide water service to development phases of the Project, and requests that when those commitments are made and water service is provided to the designated Project parcels that the Overlying Water Rights for those Project parcels be transferred to the Yucaipa Valley Water District (“YVWD”) consistent with the Adjudication.

NOW, THEREFORE, BE IT RESOLVED BY THE BEAUMONT BASIN WATERMASTER as follows:

1. Transfer of Overlying Water Rights. Watermaster hereby approves the transfer of all of OVP’s Overlying Water Rights to the Project parcels listed on Exhibit 1 attached hereto to provide for the development phases of the Project by OVP and its successors/assigns. OVP shall immediately inform Watermaster of any successor or assign who takes ownership of one or more Project parcels listed on Exhibit 1 to which Overlying Water Rights have been transferred. As of this time, the amount of water associated with the OVP Overlying Water Rights is consistent with the relationship between the redetermined safe yield (6700 acre-feet) and the original Safe Yield (8650 acre-feet), or in other words 77.5% of the original amount identified to OVP in Exhibit B to the Adjudication.

2. Transfer of Rights on Confirmed Water Service by YVWD. Once OVP and/or its successor(s) or assigns secures commitments from the Yucaipa Valley Water District to provide water service to the development phases of the Project, and when water service is provided to the designated Project parcels, then the overlying water rights for those Project parcels shall be transferred to YVWD. YVWD shall report to Watermaster when it has provided retail water service to various properties making up portions of the Project and Watermaster shall account for the same consistent with Section VI, 5. W. of the Adjudication.

3. Use of Wells. The existing and future wells on the Project parcels may be used to extract water for use on the Project parcels and/or any remaining OVP parcels, consistent with the Adjudication and current and future Watermaster rules, regulations and policies.

4. Further Documentation or Action. The Chief of Watermaster Services or Watermaster Engineer is hereby authorized and directed to execute such further documents and instruments, and take such further action, as shall be reasonably required to carry out the purposes and intent of this resolution.

5. Effective Date. The effective date of this resolution is August 30, 2017.

PASSED AND ADOPTED by the Beaumont Basin Watermaster this 30th day of August 2017.

BEAUMONT BASIN WATERMASTER

By: 
Art Vela, Chairman of the
Beaumont Basin Watermaster

**NOTICE TO ADJUST RIGHTS OF AN OVERLYING PARTY DUE TO
PROPOSED PROVISION OF WATER SERVICE BY AN
APPROPRIATOR**

Please take notice that Yucaipa Valley Water District ("Appropriator") proposes to provide retail water service to Oak Valley Partners ("Overlying Owner") and that all original 1,806 / revised 1,398.90 acre feet ("Earmarked Water") of Overlying Water Rights will be transferred to the Appropriator when the Overlying Owner received water service on October 9, 2018.

Notice is hereby given that the Watermaster will reduce the Overlying Owner's Overlying Water Right(s) (as shown in Exhibit B, Column 4 of the Judgment and modified by the redetermination of safe yield) by the amount of Earmarked Water and adjust the Appropriative Water Rights of the Appropriator effective on the day when water service is first provided by the Appropriator.

OVERLYING OWNER

Oak Valley Development Company /
Oak Valley Partners

Overlying Party

John Ohanian

Authorized Agent - Print Name

Director of Development
Title

[Signature]
Signature

11/18/2019
Date

Date

Post Office Box 645

Calimesa, California 92320

Address for Notice

(909) 795-8941

Telephone

johanian@tvglc.com

Email Address

APPROPRIATOR

Yucaipa Valley Water District

Appropriator Party

Joseph B. Zoba

Authorized Agent - Print Name

General Manager

Title

[Signature]
Signature

Nov. 9, 2019
Date

Date

Post Office Box 730

Yucaipa, California 92399

Address for Notice

(909) 797-5119 x2

Telephone

jzoba@yvw.d.us

Email Address

For Watermaster Use

Date Form is Received:

Date Earmarked Water is First Used:



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.us

September 18, 2023

Beaumont Basin Watermaster
c/o Dan Jagers, Secretary
560 Magnolia Avenue
Beaumont, California 92223

Transmitted via Email

Subject: Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2018

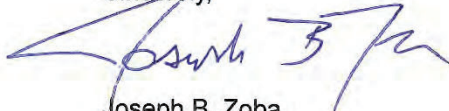
Dear Mr. Jagers:

On November 20, 2019, the Yucaipa Valley Water District transmitted the executed Beaumont Basin Watermaster Form 5 – *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service* by an Appropriator for the Oak Valley Partners (attached).

Please find attached the documentation requested by the Watermaster Committee to effectuate the permanent transfer of 0.11 acre feet (35 kgal) of Overlying Water Rights from the Oak Valley Development Company / Oak Valley Partners to Yucaipa Valley Water for Calendar Year 2018. Accordingly, this transfer of Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the tables of the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Sincerely,



Joseph B. Zoba
General Manager

Attachments

Greg Bogh
Division 1

Nyles O’Harra
Division 2

Jay Bogh
Division 3

Brett Granlund
Division 4

Joyce McIntire
Division 5



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.dst.ca.us

November 20, 2019

Mr. Dan Jagers, Secretary
Beaumont Basin Watermaster
c/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223

Subject: Transmittal of Executed Beaumont Basin Watermaster Form 5 - *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator*

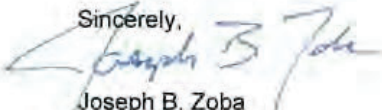
Dear Mr. Jagers:

On November 19, 2019, the Yucaipa Valley Water Board of Directors authorized the execution and acceptance of Beaumont Basin Watermaster Form 5 related to the transfer of overlying water rights from Oak Valley Development Company / Oak Valley Partners to the Yucaipa Valley Water District. This form provides that the original 1,806 acre feet, now the revised 1,398.90 acre feet of overlying water rights based on the redetermination of safe yield, is transferred to the Yucaipa Valley Water District. The Parties to Form 5 recognize that the transferred overlying water rights will be adjusted for Yucaipa Valley Water District in the future each time the redetermination of safe yield is calculated.

A copy of the fully executed Beaumont Basin Watermaster Form 5 *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* is attached. Please file this document as part of the permanent records of the Beaumont Basin Watermaster.

Thank you.

Sincerely,



Joseph B. Zoba
General Manager

attachment

Copies to:

- Hannibal Blandon, Alda Engineering
- Thierry Montoya, Alvarado Smith

Chris Mann
Division 1

Bruce Granlund
Division 2

Jay Bogn
Division 3

Lonni Granlund
Division 4

Joyce McIntire
Division 5

| Assessor's Parcel Number | Water Served in Calendar Year 2018 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413290064 | 1 | 413290003 |
| 413901020 | 3 | 413290007 |
| 413901022 | 2 | 413290007 |
| 413930002 | 8 | 413290003 |
| 413930003 | 5 | 413290003 |
| 413930004 | 3 | 413290003 |
| 413930005 | 1 | 413290003 |
| 413930006 | 3 | 413290003 |
| 413950034 | 3 | 413290003 |
| 413981022 | 6 | 413290003 |
| Total (kgal) | 35 | |
| Total (Acre Feet) | 0.11 | |



Yucaipa Valley Water District

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(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.us

September 18, 2023

Beaumont Basin Watermaster
c/o Dan Jagers, Secretary
560 Magnolia Avenue
Beaumont, California 92223

Transmitted via Email

Subject: Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2019

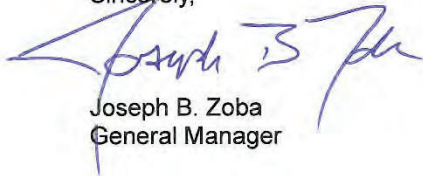
Dear Mr. Jagers:

On November 20, 2019, the Yucaipa Valley Water District transmitted the executed Beaumont Basin Watermaster Form 5 – *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service* by an Appropriator for the Oak Valley Partners (attached).

Please find attached the documentation requested by the Watermaster Committee to effectuate the permanent transfer of 63.96 acre feet (20,840 kgal) of Overlying Water Rights from the Oak Valley Development Company / Oak Valley Partners to Yucaipa Valley Water for Calendar Year 2019. Accordingly, this transfer of Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the tables of the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Sincerely,



Joseph B. Zoba
General Manager

Attachments

Greg Bogh
Division 1

Nyles O'Harra
Division 2

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Yucaipa Valley Water District

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(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.dst.ca.us

November 20, 2019

Mr. Dan Jagers, Secretary
Beaumont Basin Watermaster
c/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223

Subject: Transmittal of Executed Beaumont Basin Watermaster Form 5 - *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator*

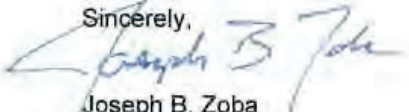
Dear Mr. Jagers:

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A copy of the fully executed Beaumont Basin Watermaster Form 5 *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* is attached. Please file this document as part of the permanent records of the Beaumont Basin Watermaster.

Thank you.

Sincerely,



Joseph B. Zoba
General Manager

attachment

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Chris Mann
Division 1

Bruce Granlund
Division 2

Jay Bogn
Division 3

Lorri Granlund
Division 4

Joyce McIntire
Division 5

| Assessor's Parcel Number | Water Served in Calendar Year 2019 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 407370019 | 142 | 413290007 |
| 413290062 | 789 | 413290003 |
| 413290064 | 1,500 | 413290003 |
| 413290064 | 1,654 | 413290003 |
| 413901001 | 17 | 413290007 |
| 413901002 | 32 | 413290007 |
| 413901003 | 29 | 413290007 |
| 413901004 | 23 | 413290007 |
| 413901005 | 40 | 413290007 |
| 413901006 | 61 | 413290007 |
| 413901007 | 50 | 413290007 |
| 413901008 | 48 | 413290007 |
| 413901009 | 49 | 413290007 |
| 413901010 | 55 | 413290007 |
| 413901011 | 59 | 413290007 |
| 413901012 | 67 | 413290007 |
| 413901013 | 87 | 413290007 |
| 413901014 | 35 | 413290007 |
| 413901015 | 39 | 413290007 |
| 413901016 | 69 | 413290007 |
| 413901017 | 20 | 413290007 |
| 413901018 | 77 | 413290007 |
| 413901019 | 224 | 413290007 |
| 413901020 | 165 | 413290007 |
| 413901021 | 94 | 413290007 |
| 413901022 | 1,654 | 413290007 |
| 413902014 | 11 | 413290007 |
| 413902015 | 37 | 413290007 |
| 413902016 | 48 | 413290007 |
| 413902017 | 39 | 413290007 |
| 413902018 | 26 | 413290007 |
| 413902019 | 43 | 413290007 |
| 413902020 | 52 | 413290007 |
| 413902021 | 42 | 413290007 |
| 413902022 | 44 | 413290007 |
| 413902023 | 47 | 413290007 |
| 413902024 | 84 | 413290007 |
| 413902025 | 76 | 413290007 |
| 413910045 | 4 | 413290007 |
| 413910046 | 5 | 413290007 |
| 413910047 | 4 | 413290007 |
| 413910048 | 17 | 413290007 |
| 413911004 | 3 | 413290007 |
| 413911005 | 5 | 413290007 |
| 413911006 | 2 | 413290007 |
| 413911007 | 9 | 413290007 |
| 413911008 | 7 | 413290007 |
| 413920001 | 119 | 413290007 |
| 413920002 | 73 | 413290007 |
| 413920003 | 70 | 413290007 |
| 413920004 | 56 | 413290007 |
| 413920005 | 110 | 413290007 |
| 413920006 | 87 | 413290007 |
| 413920007 | 49 | 413290007 |
| 413920008 | 58 | 413290007 |
| 413920009 | 50 | 413290007 |
| 413920010 | 36 | 413290007 |
| 413920011 | 47 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2019 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413920012 | 57 | 413290007 |
| 413920013 | 30 | 413290007 |
| 413920014 | 27 | 413290007 |
| 413920015 | 52 | 413290007 |
| 413920016 | 34 | 413290007 |
| 413920017 | 40 | 413290007 |
| 413920018 | 28 | 413290007 |
| 413920019 | 48 | 413290007 |
| 413920020 | 57 | 413290007 |
| 413920021 | 103 | 413290007 |
| 413920022 | 122 | 413290007 |
| 413920023 | 69 | 413290007 |
| 413920024 | 82 | 413290007 |
| 413920025 | 78 | 413290007 |
| 413920026 | 33 | 413290007 |
| 413920027 | 85 | 413290007 |
| 413920028 | 161 | 413290007 |
| 413920029 | 33 | 413290007 |
| 413920030 | 15 | 413290007 |
| 413920031 | 44 | 413290007 |
| 413920032 | 1 | 413290007 |
| 413920034 | 1 | 413290007 |
| 413920036 | 6 | 413290007 |
| 413920037 | 100 | 413290007 |
| 413920038 | 14 | 413290007 |
| 413920039 | 49 | 413290007 |
| 413920040 | 171 | 413290007 |
| 413920041 | 51 | 413290007 |
| 413920042 | 49 | 413290007 |
| 413930001 | 74 | 413290003 |
| 413930002 | 212 | 413290003 |
| 413930003 | 327 | 413290003 |
| 413930004 | 231 | 413290003 |
| 413930005 | 215 | 413290003 |
| 413930006 | 204 | 413290003 |
| 413930007 | 145 | 413290003 |
| 413930008 | 216 | 413290003 |
| 413930011 | 73 | 413290003 |
| 413930012 | 80 | 413290003 |
| 413930013 | 58 | 413290003 |
| 413930014 | 97 | 413290003 |
| 413930015 | 89 | 413290003 |
| 413933004 | 92 | 413290003 |
| 413933005 | 124 | 413290003 |
| 413933006 | 171 | 413290003 |
| 413933007 | 132 | 413290003 |
| 413933008 | 196 | 413290003 |
| 413933009 | 293 | 413290003 |
| 413933010 | 340 | 413290003 |
| 413933011 | 214 | 413290003 |
| 413933012 | 40 | 413290003 |
| 413933013 | 121 | 413290003 |
| 413933014 | 64 | 413290003 |
| 413933015 | 66 | 413290003 |
| 413933016 | 93 | 413290003 |
| 413933017 | 72 | 413290003 |
| 413933018 | 111 | 413290003 |
| 413933019 | 225 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2019 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413933020 | 126 | 413290003 |
| 413933021 | 1 | 413290003 |
| 413933022 | 1 | 413290003 |
| 413933023 | 5 | 413290003 |
| 413933024 | 2 | 413290003 |
| 413940001 | 10 | 413290003 |
| 413940002 | 71 | 413290003 |
| 413940003 | 51 | 413290003 |
| 413940005 | 40 | 413290003 |
| 413940006 | 47 | 413290003 |
| 413940007 | 57 | 413290003 |
| 413940008 | 70 | 413290003 |
| 413941001 | 45 | 413290003 |
| 413941002 | 33 | 413290003 |
| 413941003 | 3 | 413290003 |
| 413941004 | 5 | 413290003 |
| 413941005 | 4 | 413290003 |
| 413941006 | 3 | 413290003 |
| 413941007 | 3 | 413290003 |
| 413941008 | 9 | 413290003 |
| 413941009 | 5 | 413290003 |
| 413941010 | 35 | 413290003 |
| 413941011 | 33 | 413290003 |
| 413941012 | 51 | 413290003 |
| 413941013 | 66 | 413290003 |
| 413941014 | 1 | 413290003 |
| 413941015 | 2 | 413290003 |
| 413941016 | 1 | 413290003 |
| 413941017 | 2 | 413290003 |
| 413950001 | 108 | 413290003 |
| 413950002 | 38 | 413290003 |
| 413950003 | 69 | 413290003 |
| 413950004 | 51 | 413290003 |
| 413950005 | 59 | 413290003 |
| 413950006 | 114 | 413290003 |
| 413950007 | 86 | 413290003 |
| 413950008 | 47 | 413290003 |
| 413950009 | 72 | 413290003 |
| 413950010 | 42 | 413290003 |
| 413950011 | 69 | 413290003 |
| 413950012 | 104 | 413290003 |
| 413950013 | 57 | 413290003 |
| 413950014 | 85 | 413290003 |
| 413950015 | 61 | 413290003 |
| 413950016 | 46 | 413290003 |
| 413950017 | 60 | 413290003 |
| 413950018 | 73 | 413290003 |
| 413950019 | 33 | 413290003 |
| 413950020 | 28 | 413290003 |
| 413950021 | 39 | 413290003 |
| 413950022 | 26 | 413290003 |
| 413950023 | 15 | 413290003 |
| 413950024 | 3 | 413290003 |
| 413950025 | 6 | 413290003 |
| 413950026 | 6 | 413290003 |
| 413950027 | 3 | 413290003 |
| 413950028 | 5 | 413290003 |
| 413950030 | 2 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2019 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413950031 | 1 | 413290003 |
| 413950032 | 1 | 413290003 |
| 413950034 | 281 | 413290003 |
| 413951003 | 2 | 413290003 |
| 413951004 | 7 | 413290003 |
| 413951005 | 1 | 413290003 |
| 413951006 | 3 | 413290003 |
| 413951007 | 4 | 413290003 |
| 413952001 | 3 | 413290003 |
| 413952002 | 10 | 413290003 |
| 413952003 | 24 | 413290003 |
| 413952004 | 44 | 413290003 |
| 413952005 | 30 | 413290003 |
| 413952006 | 28 | 413290003 |
| 413952007 | 49 | 413290003 |
| 413952008 | 20 | 413290003 |
| 413952009 | 77 | 413290003 |
| 413952010 | 58 | 413290003 |
| 413952011 | 97 | 413290003 |
| 413970005 | 123 | 413290003 |
| 413970006 | 44 | 413290003 |
| 413970007 | 59 | 413290003 |
| 413970008 | 54 | 413290003 |
| 413970009 | 72 | 413290003 |
| 413970010 | 66 | 413290003 |
| 413970011 | 82 | 413290003 |
| 413970012 | 94 | 413290003 |
| 413970013 | 59 | 413290003 |
| 413970014 | 79 | 413290003 |
| 413971001 | 98 | 413290003 |
| 413971002 | 80 | 413290003 |
| 413971003 | 84 | 413290003 |
| 413971004 | 89 | 413290003 |
| 413971005 | 99 | 413290003 |
| 413971006 | 125 | 413290003 |
| 413971007 | 101 | 413290003 |
| 413971009 | 247 | 413290003 |
| 413971010 | 145 | 413290003 |
| 413971012 | 50 | 413290003 |
| 413971013 | 44 | 413290003 |
| 413971014 | 33 | 413290003 |
| 413971015 | 40 | 413290003 |
| 413971016 | 34 | 413290003 |
| 413971017 | 59 | 413290003 |
| 413971018 | 72 | 413290003 |
| 413971019 | 84 | 413290003 |
| 413980013 | 2 | 413290003 |
| 413980014 | 3 | 413290003 |
| 413980015 | 2 | 413290003 |
| 413980016 | 111 | 413290003 |
| 413980017 | 67 | 413290003 |
| 413980018 | 52 | 413290003 |
| 413980019 | 78 | 413290003 |
| 413980020 | 14 | 413290003 |
| 413980021 | 21 | 413290007 |
| 413980022 | 18 | 413290007 |
| 413980023 | 11 | 413290007 |
| 413980024 | 27 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2019 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413980025 | 18 | 413290003 |
| 413980026 | 12 | 413290003 |
| 413981001 | 3 | 413290003 |
| 413981002 | 4 | 413290003 |
| 413981022 | 798 | 413290003 |
| Total (kgal) | 20,840 | |
| Total (Acre Feet) | 63.96 | |



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.us

September 18, 2023

Beaumont Basin Watermaster
c/o Dan Jagers, Secretary
560 Magnolia Avenue
Beaumont, California 92223

Transmitted via Email

Subject: Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2020

Dear Mr. Jagers:

On November 20, 2019, the Yucaipa Valley Water District transmitted the executed Beaumont Basin Watermaster Form 5 – *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service* by an Appropriator for the Oak Valley Partners (attached).

Please find attached the documentation requested by the Watermaster Committee to effectuate the permanent transfer of 194.82 acre feet (63,482 kgal) of Overlying Water Rights from the Oak Valley Development Company / Oak Valley Partners to Yucaipa Valley Water for Calendar Year 2020. Accordingly, this transfer of Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the tables of the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Sincerely,

Joseph B. Zoba
General Manager

Attachments

Greg Bogh
Division 1

Nyles O’Harra
Division 2

Jay Bogh
Division 3

Brett Granlund
Division 4

Joyce McIntire
Division 5



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.dst.ca.us

November 20, 2019

Mr. Dan Jagers, Secretary
Beaumont Basin Watermaster
c/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223

Subject: Transmittal of Executed Beaumont Basin Watermaster Form 5 - *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator*

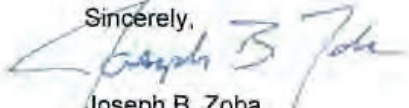
Dear Mr. Jagers:

On November 19, 2019, the Yucaipa Valley Water Board of Directors authorized the execution and acceptance of Beaumont Basin Watermaster Form 5 related to the transfer of overlying water rights from Oak Valley Development Company / Oak Valley Partners to the Yucaipa Valley Water District. This form provides that the original 1,806 acre feet, now the revised 1,398.90 acre feet of overlying water rights based on the redetermination of safe yield, is transferred to the Yucaipa Valley Water District. The Parties to Form 5 recognize that the transferred overlying water rights will be adjusted for Yucaipa Valley Water District in the future each time the redetermination of safe yield is calculated.

A copy of the fully executed Beaumont Basin Watermaster Form 5 *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* is attached. Please file this document as part of the permanent records of the Beaumont Basin Watermaster.

Thank you.

Sincerely,



Joseph B. Zoba
General Manager

attachment

Copies to:

- Hannibal Blandon, Alda Engineering
- Thierry Montoya, Alvarado Smith

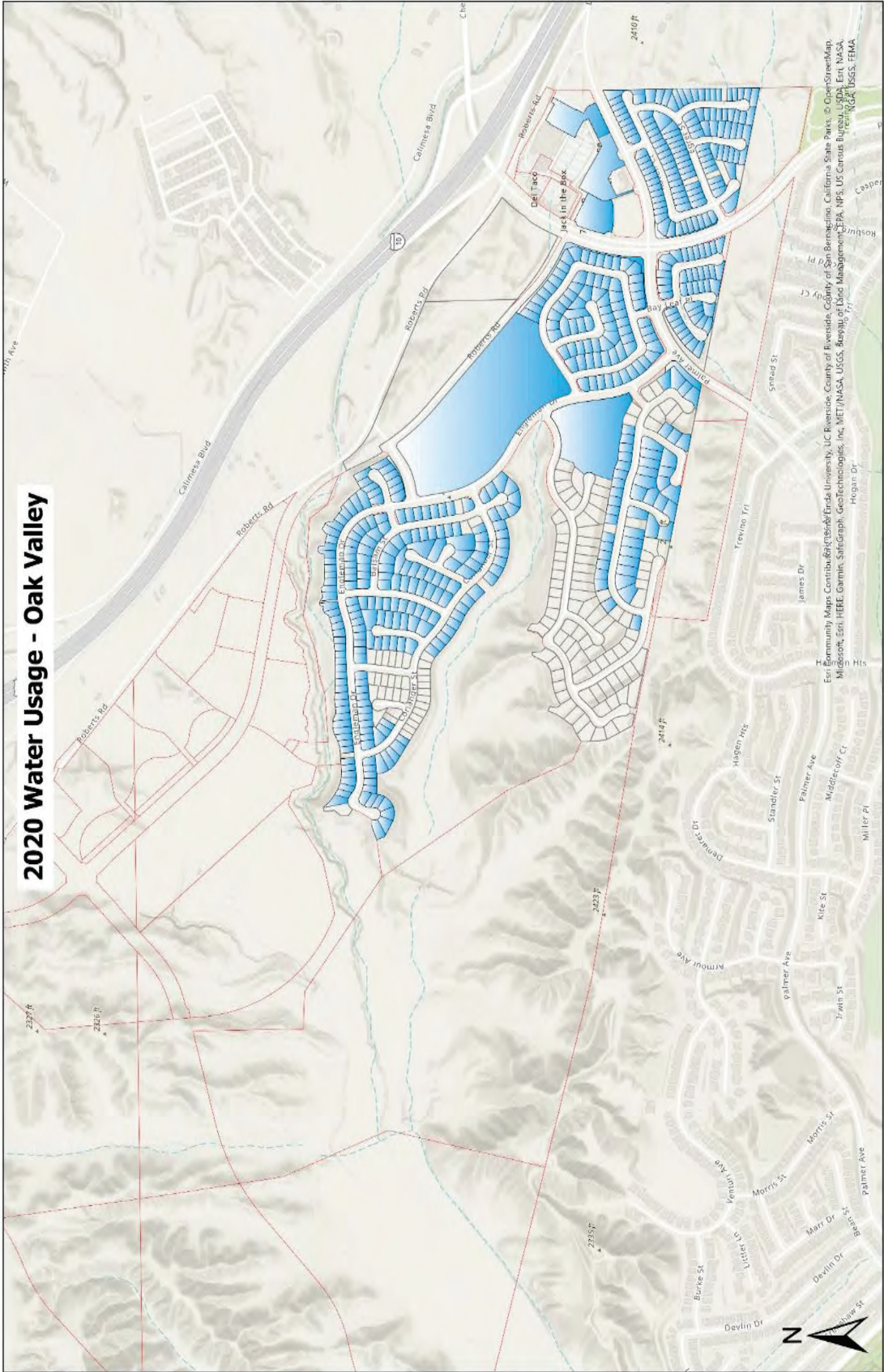
Chris Mann
Division 1

Bruce Granlund
Division 2

Jay Bogh
Division 3

Lonni Granlund
Division 4

Joyce McIntire
Division 5



| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 407370003 | 181 | 413290007 |
| 407370007 | 65 | 413290003 |
| 407370008 | 197 | 413290003 |
| 407370009 | 89 | 413290003 |
| 407370010 | 38 | 413290003 |
| 407370011 | 16 | 413290003 |
| 407370012 | 75 | 413290003 |
| 407370014 | 305 | 413290007 |
| 407370015 | 197 | 413290007 |
| 407370016 | 78 | 413290007 |
| 407370019 | 1,667 | 413290007 |
| 407370020 | 59 | 413460038 |
| 407370021 | 65 | 413460038 |
| 407370022 | 76 | 413460038 |
| 407370023 | 43 | 413460038 |
| 407370024 | 54 | 413460038 |
| 407370025 | 99 | 413460038 |
| 407371001 | 35 | 413290003 |
| 407371002 | 42 | 413290003 |
| 407371003 | 29 | 413290003 |
| 407371004 | 177 | 413290003 |
| 407371005 | 88 | 413290003 |
| 407371006 | 58 | 413290003 |
| 407380001 | 30 | 413290003 |
| 407380002 | 15 | 413290003 |
| 407380003 | 6 | 413290003 |
| 407380004 | 4 | 413290003 |
| 407380005 | 5 | 413290003 |
| 407380007 | 1 | 413290003 |
| 407380008 | 1 | 413290003 |
| 407380009 | 1 | 413290003 |
| 407380010 | 2 | 413290003 |
| 407380011 | 2 | 413290003 |
| 407380012 | 3 | 413290003 |
| 407380013 | 1 | 413290003 |
| 407380020 | 5 | 413460038 |
| 407380021 | 8 | 413460038 |
| 407381001 | 1 | 413290003 |
| 407381004 | 2 | 413290003 |
| 407381006 | 3 | 413290003 |
| 407381007 | 2 | 413290003 |
| 407381008 | 1 | 413290003 |
| 407381009 | 1 | 413290003 |
| 407381010 | 1 | 413290003 |
| 407381011 | 1 | 413290003 |
| 407381013 | 2 | 413290003 |
| 407381014 | 4 | 413290003 |
| 407381015 | 13 | 413290003 |
| 407381016 | 30 | 413290003 |
| 407381017 | 18 | 413290003 |
| 413290062 | 1,102 | 413290003 |
| 413290064 | 3 | 413290003 |
| 413290064 | 1,763 | 413290003 |
| 413290064 | 2,159 | 413290003 |
| 413780012 | 363 | 413290007 |
| 413780012 | 1,706 | 413290007 |
| 413780014 | 18 | 413290007 |
| 413780014 | 80 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413780016 | 1 | 413290007 |
| 413780016 | 18 | 413290007 |
| 413780016 | 34 | 413290007 |
| 413780016 | 176 | 413290007 |
| 413780016 | 244 | 413290007 |
| 413780016 | 1,566 | 413290007 |
| 413900002 | 4 | 413290007 |
| 413900004 | 3 | 413290007 |
| 413900005 | 2 | 413290007 |
| 413900006 | 3 | 413290007 |
| 413900008 | 15 | 413290007 |
| 413900009 | 20 | 413290007 |
| 413900010 | 12 | 413290007 |
| 413900011 | 13 | 413290007 |
| 413900012 | 14 | 413290007 |
| 413900013 | 32 | 413290007 |
| 413900014 | 30 | 413290007 |
| 413900015 | 16 | 413290007 |
| 413900016 | 11 | 413290007 |
| 413900017 | 24 | 413290007 |
| 413900018 | 7 | 413290007 |
| 413900019 | 12 | 413290007 |
| 413901001 | 228 | 413290007 |
| 413901002 | 102 | 413290007 |
| 413901003 | 60 | 413290007 |
| 413901004 | 47 | 413290007 |
| 413901005 | 44 | 413290007 |
| 413901006 | 72 | 413290007 |
| 413901007 | 111 | 413290007 |
| 413901008 | 76 | 413290007 |
| 413901009 | 97 | 413290007 |
| 413901010 | 98 | 413290007 |
| 413901011 | 96 | 413290007 |
| 413901012 | 92 | 413290007 |
| 413901013 | 184 | 413290007 |
| 413901014 | 72 | 413290007 |
| 413901015 | 279 | 413290007 |
| 413901016 | 118 | 413290007 |
| 413901017 | 40 | 413290007 |
| 413901018 | 41 | 413290007 |
| 413901019 | 146 | 413290007 |
| 413901020 | 246 | 413290007 |
| 413901021 | 80 | 413290007 |
| 413901022 | 1,983 | 413290007 |
| 413902001 | 20 | 413290007 |
| 413902002 | 2 | 413290007 |
| 413902003 | 10 | 413290007 |
| 413902004 | 1 | 413290007 |
| 413902006 | 27 | 413290007 |
| 413902007 | 11 | 413290007 |
| 413902008 | 15 | 413290007 |
| 413902009 | 16 | 413290007 |
| 413902010 | 24 | 413290007 |
| 413902011 | 52 | 413290007 |
| 413902012 | 58 | 413290007 |
| 413902013 | 92 | 413290007 |
| 413902014 | 68 | 413290007 |
| 413902015 | 103 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413902016 | 88 | 413290007 |
| 413902017 | 94 | 413290007 |
| 413902018 | 106 | 413290007 |
| 413902019 | 166 | 413290007 |
| 413902020 | 103 | 413290007 |
| 413902021 | 168 | 413290007 |
| 413902022 | 52 | 413290007 |
| 413902023 | 71 | 413290007 |
| 413902024 | 159 | 413290007 |
| 413902025 | 121 | 413290007 |
| 413910001 | 30 | 413290007 |
| 413910002 | 23 | 413290007 |
| 413910003 | 27 | 413290007 |
| 413910004 | 41 | 413290007 |
| 413910005 | 29 | 413290007 |
| 413910006 | 48 | 413290007 |
| 413910007 | 42 | 413290007 |
| 413910008 | 46 | 413290007 |
| 413910009 | 35 | 413290007 |
| 413910010 | 42 | 413290007 |
| 413910011 | 38 | 413290007 |
| 413910012 | 97 | 413290007 |
| 413910013 | 55 | 413290007 |
| 413910014 | 60 | 413290007 |
| 413910015 | 45 | 413290007 |
| 413910016 | 56 | 413290007 |
| 413910017 | 53 | 413290007 |
| 413910018 | 68 | 413290007 |
| 413910019 | 57 | 413290007 |
| 413910020 | 74 | 413290007 |
| 413910021 | 54 | 413290007 |
| 413910022 | 56 | 413290007 |
| 413910023 | 43 | 413290007 |
| 413910024 | 56 | 413290007 |
| 413910025 | 57 | 413290007 |
| 413910026 | 53 | 413290007 |
| 413910027 | 92 | 413290007 |
| 413910028 | 43 | 413290007 |
| 413910029 | 66 | 413290007 |
| 413910030 | 88 | 413290007 |
| 413910031 | 117 | 413290007 |
| 413910032 | 98 | 413290007 |
| 413910033 | 79 | 413290007 |
| 413910034 | 103 | 413290007 |
| 413910035 | 135 | 413290007 |
| 413910036 | 147 | 413290007 |
| 413910037 | 205 | 413290007 |
| 413910038 | 150 | 413290007 |
| 413910039 | 65 | 413290007 |
| 413910040 | 94 | 413290007 |
| 413910041 | 54 | 413290007 |
| 413910042 | 74 | 413290007 |
| 413910043 | 101 | 413290007 |
| 413910044 | 49 | 413290007 |
| 413910045 | 104 | 413290007 |
| 413910046 | 37 | 413290007 |
| 413910047 | 120 | 413290007 |
| 413910048 | 185 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413911001 | 73 | 413290007 |
| 413911002 | 137 | 413290007 |
| 413911003 | 142 | 413290007 |
| 413911004 | 251 | 413290007 |
| 413911005 | 82 | 413290007 |
| 413911006 | 92 | 413290007 |
| 413911007 | 78 | 413290007 |
| 413911008 | 86 | 413290007 |
| 413920001 | 242 | 413290007 |
| 413920002 | 75 | 413290007 |
| 413920003 | 130 | 413290007 |
| 413920004 | 101 | 413290007 |
| 413920005 | 127 | 413290007 |
| 413920006 | 165 | 413290007 |
| 413920007 | 88 | 413290007 |
| 413920008 | 90 | 413290007 |
| 413920009 | 60 | 413290007 |
| 413920010 | 83 | 413290007 |
| 413920011 | 160 | 413290007 |
| 413920012 | 170 | 413290007 |
| 413920013 | 122 | 413290007 |
| 413920014 | 145 | 413290007 |
| 413920015 | 99 | 413290007 |
| 413920016 | 253 | 413290007 |
| 413920017 | 90 | 413290007 |
| 413920018 | 93 | 413290007 |
| 413920019 | 67 | 413290007 |
| 413920020 | 108 | 413290007 |
| 413920021 | 128 | 413290007 |
| 413920022 | 101 | 413290007 |
| 413920023 | 68 | 413290007 |
| 413920024 | 69 | 413290007 |
| 413920025 | 84 | 413290007 |
| 413920026 | 27 | 413290007 |
| 413920027 | 119 | 413290007 |
| 413920028 | 241 | 413290007 |
| 413920029 | 175 | 413290007 |
| 413920030 | 99 | 413290007 |
| 413920031 | 148 | 413290007 |
| 413920032 | 170 | 413290007 |
| 413920033 | 108 | 413290007 |
| 413920034 | 125 | 413290007 |
| 413920035 | 118 | 413290007 |
| 413920036 | 71 | 413290007 |
| 413920037 | 61 | 413290007 |
| 413920038 | 111 | 413290007 |
| 413920039 | 79 | 413290007 |
| 413920040 | 83 | 413290007 |
| 413920041 | 72 | 413290007 |
| 413930001 | 78 | 413290003 |
| 413930002 | 208 | 413290003 |
| 413930003 | 319 | 413290003 |
| 413930004 | 236 | 413290003 |
| 413930005 | 201 | 413290003 |
| 413930006 | 208 | 413290003 |
| 413930007 | 169 | 413290003 |
| 413930008 | 56 | 413290003 |
| 413930009 | 6 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413930010 | 2 | 413290003 |
| 413930011 | 147 | 413290003 |
| 413930012 | 71 | 413290003 |
| 413930013 | 135 | 413290003 |
| 413930014 | 146 | 413290003 |
| 413930015 | 201 | 413290003 |
| 413931001 | 92 | 413290003 |
| 413931002 | 102 | 413290003 |
| 413931003 | 88 | 413290003 |
| 413931004 | 88 | 413290003 |
| 413931005 | 66 | 413290003 |
| 413931006 | 110 | 413290003 |
| 413931007 | 106 | 413290003 |
| 413931008 | 96 | 413290003 |
| 413931009 | 68 | 413290003 |
| 413932001 | 68 | 413290003 |
| 413932002 | 65 | 413290003 |
| 413932003 | 24 | 413290003 |
| 413932004 | 42 | 413290003 |
| 413932005 | 39 | 413290003 |
| 413932006 | 4 | 413290003 |
| 413932007 | 8 | 413290003 |
| 413932009 | 3 | 413290003 |
| 413933002 | 2 | 413290003 |
| 413933003 | 13 | 413290003 |
| 413933004 | 152 | 413290003 |
| 413933005 | 225 | 413290003 |
| 413933006 | 337 | 413290003 |
| 413933007 | 118 | 413290003 |
| 413933008 | 286 | 413290003 |
| 413933009 | 258 | 413290003 |
| 413933010 | 692 | 413290003 |
| 413933011 | 202 | 413290003 |
| 413933012 | 308 | 413290003 |
| 413933013 | 230 | 413290003 |
| 413933014 | 99 | 413290003 |
| 413933015 | 105 | 413290003 |
| 413933016 | 185 | 413290003 |
| 413933017 | 209 | 413290003 |
| 413933018 | 166 | 413290003 |
| 413933019 | 211 | 413290003 |
| 413933020 | 301 | 413290003 |
| 413933021 | 188 | 413290003 |
| 413933022 | 206 | 413290003 |
| 413933023 | 185 | 413290003 |
| 413933024 | 218 | 413290003 |
| 413933025 | 237 | 413290003 |
| 413933026 | 190 | 413290003 |
| 413933027 | 98 | 413290003 |
| 413933028 | 61 | 413290003 |
| 413933029 | 39 | 413290003 |
| 413933030 | 88 | 413290003 |
| 413933031 | 141 | 413290003 |
| 413933032 | 65 | 413290003 |
| 413933033 | 127 | 413290003 |
| 413933034 | 100 | 413290003 |
| 413933035 | 32 | 413290003 |
| 413933036 | 38 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413933037 | 65 | 413290003 |
| 413933038 | 32 | 413290003 |
| 413933039 | 2 | 413290003 |
| 413933040 | 40 | 413290003 |
| 413940001 | 95 | 413290003 |
| 413940002 | 187 | 413290003 |
| 413940003 | 164 | 413290003 |
| 413940004 | 203 | 413290003 |
| 413940005 | 224 | 413290003 |
| 413940006 | 155 | 413290003 |
| 413940007 | 186 | 413290003 |
| 413940008 | 160 | 413290003 |
| 413940009 | 307 | 413290003 |
| 413941001 | 251 | 413290003 |
| 413941002 | 126 | 413290003 |
| 413941003 | 124 | 413290003 |
| 413941004 | 124 | 413290003 |
| 413941005 | 91 | 413290003 |
| 413941006 | 250 | 413290003 |
| 413941007 | 252 | 413290003 |
| 413941008 | 212 | 413290003 |
| 413941009 | 84 | 413290003 |
| 413941010 | 307 | 413290003 |
| 413941011 | 190 | 413290003 |
| 413941012 | 265 | 413290003 |
| 413941013 | 575 | 413290003 |
| 413941014 | 261 | 413290003 |
| 413941015 | 124 | 413290003 |
| 413941016 | 298 | 413290003 |
| 413941017 | 148 | 413290003 |
| 413941018 | 139 | 413290003 |
| 413941019 | 116 | 413290003 |
| 413941020 | 80 | 413290003 |
| 413941021 | 70 | 413290003 |
| 413941022 | 92 | 413290003 |
| 413941023 | 123 | 413290003 |
| 413950001 | 174 | 413290003 |
| 413950002 | 57 | 413290003 |
| 413950003 | 147 | 413290003 |
| 413950004 | 139 | 413290003 |
| 413950005 | 143 | 413290003 |
| 413950006 | 191 | 413290003 |
| 413950007 | 182 | 413290003 |
| 413950008 | 80 | 413290003 |
| 413950009 | 286 | 413290003 |
| 413950010 | 177 | 413290003 |
| 413950011 | 256 | 413290003 |
| 413950012 | 100 | 413290003 |
| 413950013 | 251 | 413290003 |
| 413950014 | 190 | 413290003 |
| 413950015 | 163 | 413290003 |
| 413950016 | 102 | 413290003 |
| 413950017 | 77 | 413290003 |
| 413950018 | 213 | 413290003 |
| 413950019 | 138 | 413290003 |
| 413950020 | 79 | 413290003 |
| 413950021 | 135 | 413290003 |
| 413950022 | 150 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413950023 | 93 | 413290003 |
| 413950024 | 78 | 413290003 |
| 413950025 | 153 | 413290003 |
| 413950026 | 147 | 413290003 |
| 413950027 | 76 | 413290003 |
| 413950028 | 92 | 413290003 |
| 413950029 | 133 | 413290003 |
| 413950030 | 224 | 413290003 |
| 413950031 | 76 | 413290003 |
| 413950032 | 178 | 413290003 |
| 413950033 | 69 | 413290003 |
| 413950034 | 305 | 413290003 |
| 413951001 | 62 | 413290003 |
| 413951002 | 125 | 413290003 |
| 413951003 | 113 | 413290003 |
| 413951004 | 57 | 413290003 |
| 413951005 | 163 | 413290003 |
| 413951006 | 173 | 413290003 |
| 413951007 | 135 | 413290003 |
| 413952001 | 200 | 413290003 |
| 413952002 | 117 | 413290003 |
| 413952003 | 72 | 413290003 |
| 413952004 | 108 | 413290003 |
| 413952005 | 88 | 413290003 |
| 413952006 | 121 | 413290003 |
| 413952007 | 56 | 413290003 |
| 413952008 | 50 | 413290003 |
| 413952009 | 398 | 413290003 |
| 413952010 | 143 | 413290003 |
| 413952011 | 186 | 413290003 |
| 413960001 | 86 | 413290003 |
| 413960002 | 82 | 413290003 |
| 413960003 | 96 | 413290003 |
| 413960004 | 63 | 413290003 |
| 413960005 | 72 | 413290003 |
| 413960006 | 96 | 413290003 |
| 413960007 | 62 | 413290003 |
| 413960008 | 84 | 413290003 |
| 413960009 | 61 | 413290003 |
| 413960010 | 70 | 413290003 |
| 413960011 | 58 | 413290003 |
| 413960012 | 81 | 413290003 |
| 413960013 | 39 | 413290003 |
| 413960014 | 32 | 413290003 |
| 413960015 | 31 | 413290003 |
| 413960016 | 21 | 413290003 |
| 413960017 | 38 | 413290003 |
| 413960018 | 18 | 413290003 |
| 413960019 | 42 | 413290003 |
| 413960020 | 13 | 413290003 |
| 413960021 | 9 | 413290003 |
| 413960022 | 13 | 413290003 |
| 413960023 | 2 | 413290003 |
| 413961001 | 1 | 413290003 |
| 413961002 | 1 | 413290003 |
| 413961003 | 4 | 413290003 |
| 413961004 | 3 | 413290003 |
| 413961005 | 3 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413961006 | 7 | 413290003 |
| 413961007 | 11 | 413290003 |
| 413961008 | 9 | 413290003 |
| 413961009 | 15 | 413290003 |
| 413961010 | 9 | 413290003 |
| 413961011 | 4 | 413290003 |
| 413961012 | 26 | 413290003 |
| 413961013 | 1 | 413290003 |
| 413961014 | 2 | 413290003 |
| 413961015 | 1 | 413290003 |
| 413961016 | 2 | 413290003 |
| 413961017 | 11 | 413290003 |
| 413962007 | 141 | 413290003 |
| 413962008 | 75 | 413290003 |
| 413963015 | 11 | 413290003 |
| 413963016 | 1 | 413290003 |
| 413963017 | 2 | 413290003 |
| 413963018 | 37 | 413290003 |
| 413963019 | 36 | 413290003 |
| 413963020 | 61 | 413290003 |
| 413963021 | 67 | 413290003 |
| 413963022 | 75 | 413290003 |
| 413963023 | 68 | 413290003 |
| 413963024 | 43 | 413290003 |
| 413963025 | 72 | 413290003 |
| 413963026 | 55 | 413290003 |
| 413963027 | 67 | 413290003 |
| 413963028 | 108 | 413290003 |
| 413970001 | 18 | 413290003 |
| 413970002 | 20 | 413290003 |
| 413970003 | 22 | 413290003 |
| 413970004 | 16 | 413290003 |
| 413970005 | 231 | 413290003 |
| 413970006 | 88 | 413290003 |
| 413970007 | 162 | 413290003 |
| 413970008 | 45 | 413290003 |
| 413970009 | 95 | 413290003 |
| 413970010 | 81 | 413290003 |
| 413970011 | 151 | 413290003 |
| 413970012 | 248 | 413290003 |
| 413970013 | 182 | 413290003 |
| 413970014 | 93 | 413290003 |
| 413971001 | 204 | 413290003 |
| 413971002 | 272 | 413290003 |
| 413971003 | 125 | 413290003 |
| 413971004 | 191 | 413290003 |
| 413971005 | 193 | 413290003 |
| 413971006 | 283 | 413290003 |
| 413971007 | 280 | 413290003 |
| 413971008 | 28 | 413290003 |
| 413971009 | 205 | 413290003 |
| 413971010 | 134 | 413290003 |
| 413971011 | 107 | 413290003 |
| 413971012 | 86 | 413290003 |
| 413971013 | 149 | 413290003 |
| 413971014 | 136 | 413290003 |
| 413971015 | 119 | 413290003 |
| 413971016 | 172 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2020 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413971017 | 132 | 413290003 |
| 413971018 | 123 | 413290003 |
| 413971019 | 238 | 413290003 |
| 413980001 | 36 | 413290003 |
| 413980002 | 27 | 413290003 |
| 413980003 | 37 | 413290007 |
| 413980004 | 39 | 413290007 |
| 413980005 | 40 | 413290007 |
| 413980006 | 94 | 413290007 |
| 413980007 | 73 | 413290007 |
| 413980008 | 157 | 413290007 |
| 413980009 | 73 | 413290007 |
| 413980010 | 104 | 413290007 |
| 413980011 | 104 | 413290007 |
| 413980012 | 101 | 413290003 |
| 413980013 | 144 | 413290003 |
| 413980014 | 172 | 413290003 |
| 413980015 | 177 | 413290003 |
| 413980016 | 151 | 413290003 |
| 413980017 | 152 | 413290003 |
| 413980018 | 77 | 413290003 |
| 413980019 | 112 | 413290003 |
| 413980020 | 119 | 413290003 |
| 413980021 | 108 | 413290007 |
| 413980022 | 130 | 413290007 |
| 413980023 | 102 | 413290007 |
| 413980024 | 197 | 413290007 |
| 413980025 | 95 | 413290003 |
| 413980026 | 113 | 413290003 |
| 413981001 | 145 | 413290003 |
| 413981002 | 102 | 413290003 |
| 413981003 | 79 | 413290007 |
| 413981004 | 125 | 413290007 |
| 413981005 | 85 | 413290007 |
| 413981006 | 145 | 413290007 |
| 413981007 | 77 | 413290007 |
| 413981008 | 75 | 413290007 |
| 413981009 | 126 | 413290007 |
| 413981010 | 80 | 413290007 |
| 413981011 | 63 | 413290007 |
| 413981012 | 89 | 413290007 |
| 413981013 | 89 | 413290007 |
| 413981014 | 37 | 413290007 |
| 413981015 | 47 | 413290007 |
| 413981016 | 55 | 413290007 |
| 413981017 | 52 | 413290007 |
| 413981018 | 21 | 413290007 |
| 413981019 | 20 | 413290007 |
| 413981020 | 24 | 413290007 |
| 413981021 | 26 | 413290003 |
| 413981022 | 1,009 | 413290003 |

Total (kgal) 63,482

Total (Acre Feet) 194.82



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.us

September 18, 2023

Beaumont Basin Watermaster
c/o Dan Jagers, Secretary
560 Magnolia Avenue
Beaumont, California 92223

Transmitted via Email

Subject: Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2021

Dear Mr. Jagers:

On November 20, 2019, the Yucaipa Valley Water District transmitted the executed Beaumont Basin Watermaster Form 5 – *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service* by an Appropriator for the Oak Valley Partners (attached).

Please find attached the documentation requested by the Watermaster Committee to effectuate the permanent transfer of 366.77 acre feet (119,512 kgal) of Overlying Water Rights from the Oak Valley Development Company / Oak Valley Partners to Yucaipa Valley Water for Calendar Year 2021. Accordingly, this transfer of Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the tables of the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Sincerely,

Joseph B. Zoba
General Manager

Attachments

Greg Bogh
Division 1

Nyles O’Harra
Division 2

Jay Bogh
Division 3

Brett Granlund
Division 4

Joyce McIntire
Division 5



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.dst.ca.us

November 20, 2019

Mr. Dan Jagers, Secretary
Beaumont Basin Watermaster
c/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223

Subject: Transmittal of Executed Beaumont Basin Watermaster Form 5 - *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator*

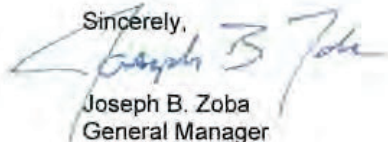
Dear Mr. Jagers:

On November 19, 2019, the Yucaipa Valley Water Board of Directors authorized the execution and acceptance of Beaumont Basin Watermaster Form 5 related to the transfer of overlying water rights from Oak Valley Development Company / Oak Valley Partners to the Yucaipa Valley Water District. This form provides that the original 1,806 acre feet, now the revised 1,398.90 acre feet of overlying water rights based on the redetermination of safe yield, is transferred to the Yucaipa Valley Water District. The Parties to Form 5 recognize that the transferred overlying water rights will be adjusted for Yucaipa Valley Water District in the future each time the redetermination of safe yield is calculated.

A copy of the fully executed Beaumont Basin Watermaster Form 5 *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* is attached. Please file this document as part of the permanent records of the Beaumont Basin Watermaster.

Thank you.

Sincerely,



Joseph B. Zoba
General Manager

attachment

Copies to:

- Hannibal Blandon, Alda Engineering
- Thierry Montoya, Alvarado Smith

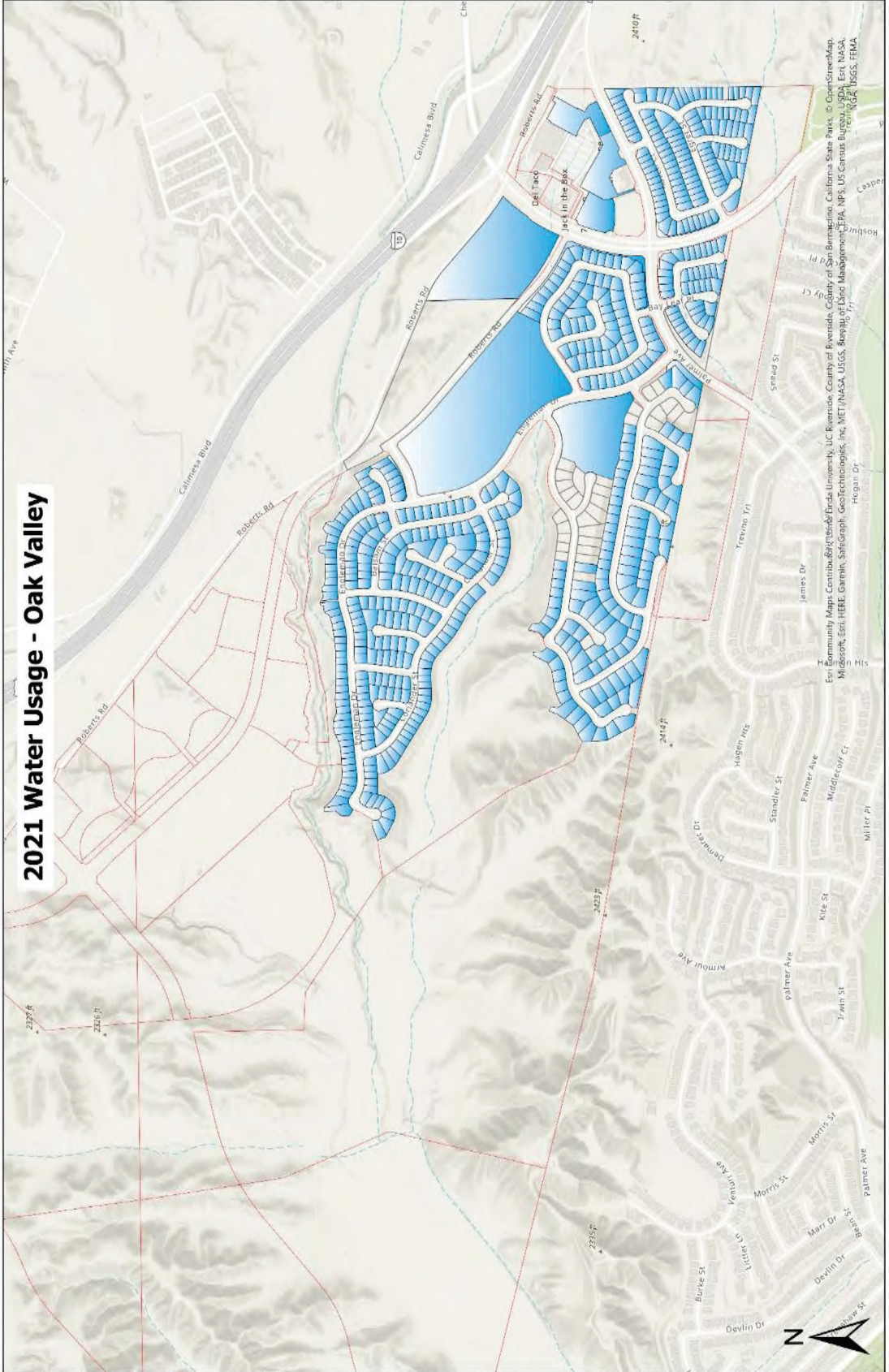
Chris Mann
Division 1

Bruce Granlund
Division 2

Jay Bogn
Division 3

Lonni Granlund
Division 4

Joyce McIntire
Division 5



2021 Water Usage - Oak Valley

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 407370003 | 177 | 413290007 |
| 407370007 | 139 | 413290003 |
| 407370008 | 309 | 413290003 |
| 407370009 | 173 | 413290003 |
| 407370010 | 127 | 413290003 |
| 407370011 | 161 | 413290003 |
| 407370012 | 128 | 413290003 |
| 407370014 | 329 | 413290007 |
| 407370015 | 149 | 413290007 |
| 407370016 | 102 | 413290007 |
| 407370019 | 1,628 | 413290007 |
| 407370020 | 96 | 413460038 |
| 407370021 | 144 | 413460038 |
| 407370022 | 198 | 413460038 |
| 407370023 | 468 | 413460038 |
| 407370024 | 240 | 413460038 |
| 407370025 | 176 | 413460038 |
| 407371001 | 124 | 413290003 |
| 407371002 | 117 | 413290003 |
| 407371003 | 122 | 413290003 |
| 407371004 | 176 | 413290003 |
| 407371005 | 148 | 413290003 |
| 407371006 | 78 | 413290003 |
| 407380001 | 144 | 413290003 |
| 407380002 | 110 | 413290003 |
| 407380003 | 156 | 413290003 |
| 407380004 | 213 | 413290003 |
| 407380005 | 102 | 413290003 |
| 407380006 | 293 | 413290003 |
| 407380007 | 92 | 413290003 |
| 407380008 | 114 | 413290003 |
| 407380009 | 58 | 413290003 |
| 407380010 | 219 | 413290003 |
| 407380011 | 126 | 413290003 |
| 407380012 | 104 | 413290003 |
| 407380013 | 91 | 413290003 |
| 407380014 | 115 | 413290003 |
| 407380015 | 66 | 413290003 |
| 407380016 | 84 | 413290003 |
| 407380017 | 76 | 413290003 |
| 407380018 | 71 | 413290003 |
| 407380019 | 74 | 413290003 |
| 407380020 | 225 | 413460038 |
| 407380021 | 122 | 413460038 |
| 407380022 | 116 | 413460038 |
| 407381001 | 77 | 413290003 |
| 407381002 | 71 | 413290003 |
| 407381003 | 102 | 413290003 |
| 407381004 | 121 | 413290003 |
| 407381005 | 63 | 413290003 |
| 407381006 | 78 | 413290003 |
| 407381007 | 52 | 413290003 |
| 407381008 | 57 | 413290003 |
| 407381009 | 61 | 413290003 |
| 407381010 | 71 | 413290003 |
| 407381011 | 68 | 413290003 |
| 407381012 | 76 | 413290003 |
| 407381013 | 109 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 407381014 | 120 | 413290003 |
| 407381015 | 52 | 413290003 |
| 407381016 | 106 | 413290003 |
| 407381017 | 91 | 413290003 |
| 407390001 | 128 | 413290003 |
| 407390002 | 115 | 413290003 |
| 407390003 | 63 | 413290003 |
| 407390004 | 45 | 413290003 |
| 407390005 | 43 | 413290003 |
| 407390006 | 61 | 413290003 |
| 407390007 | 111 | 413290003 |
| 407390008 | 74 | 413290003 |
| 407390009 | 27 | 413290003 |
| 407390010 | 30 | 413290003 |
| 407390011 | 45 | 413290003 |
| 407390012 | 51 | 413290003 |
| 407390013 | 33 | 413290003 |
| 407390014 | 65 | 413290003 |
| 407390015 | 52 | 413290003 |
| 407390016 | 41 | 413290003 |
| 407390017 | 60 | 413290003 |
| 407390018 | 92 | 413290003 |
| 407390019 | 78 | 413290003 |
| 407390020 | 61 | 413290003 |
| 407390021 | 30 | 413290003 |
| 407390022 | 34 | 413290003 |
| 407390023 | 21 | 413290003 |
| 407391001 | 24 | 413290003 |
| 407391002 | 12 | 413290003 |
| 407391003 | 5 | 413290003 |
| 407391004 | 5 | 413290003 |
| 407391005 | 6 | 413290003 |
| 407391006 | 3 | 413290003 |
| 407391008 | 3 | 413290003 |
| 407391009 | 17 | 413290003 |
| 407391010 | 28 | 413290003 |
| 407391011 | 54 | 413290003 |
| 407391012 | 38 | 413290003 |
| 407391013 | 86 | 413290003 |
| 407391014 | 42 | 413290003 |
| 407391015 | 47 | 413290003 |
| 407391016 | 42 | 413290003 |
| 407391017 | 94 | 413290003 |
| 407391018 | 93 | 413290003 |
| 407391019 | 122 | 413290003 |
| 407391020 | 69 | 413290003 |
| 407400001 | 45 | 413290003 |
| 407400002 | 41 | 413290003 |
| 407400003 | 15 | 413290003 |
| 407400004 | 12 | 413290003 |
| 407400005 | 2 | 413290003 |
| 407400006 | 2 | 413290003 |
| 407400007 | 1 | 413290003 |
| 407400008 | 1 | 413290003 |
| 407402010 | 2 | 413290003 |
| 407402012 | 3 | 413290003 |
| 407402013 | 1 | 413290003 |
| 413290044 | 157 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413290062 | 1,110 | 413290003 |
| 413290064 | 1,363 | 413290003 |
| 413290064 | 1,571 | 413290003 |
| 413290064 | 6,925 | 413290003 |
| 413780012 | 321 | 413290007 |
| 413780012 | 2,159 | 413290007 |
| 413780014 | 182 | 413290007 |
| 413780014 | 577 | 413290007 |
| 413780016 | 99 | 413290007 |
| 413780016 | 106 | 413290007 |
| 413780016 | 166 | 413290007 |
| 413780016 | 435 | 413290007 |
| 413780016 | 442 | 413290007 |
| 413780016 | 2,323 | 413290007 |
| 413900001 | 88 | 413290007 |
| 413900002 | 86 | 413290007 |
| 413900003 | 149 | 413290007 |
| 413900004 | 175 | 413290007 |
| 413900005 | 64 | 413290007 |
| 413900006 | 144 | 413290007 |
| 413900007 | 216 | 413290007 |
| 413900008 | 61 | 413290007 |
| 413900009 | 144 | 413290007 |
| 413900010 | 143 | 413290007 |
| 413900011 | 122 | 413290007 |
| 413900012 | 167 | 413290007 |
| 413900013 | 46 | 413290007 |
| 413900014 | 53 | 413290007 |
| 413900015 | 152 | 413290007 |
| 413900016 | 77 | 413290007 |
| 413900017 | 74 | 413290007 |
| 413900018 | 136 | 413290007 |
| 413900019 | 118 | 413290007 |
| 413901001 | 212 | 413290007 |
| 413901002 | 168 | 413290007 |
| 413901003 | 94 | 413290007 |
| 413901004 | 90 | 413290007 |
| 413901005 | 64 | 413290007 |
| 413901006 | 88 | 413290007 |
| 413901007 | 93 | 413290007 |
| 413901008 | 90 | 413290007 |
| 413901009 | 91 | 413290007 |
| 413901010 | 75 | 413290007 |
| 413901011 | 109 | 413290007 |
| 413901012 | 80 | 413290007 |
| 413901013 | 146 | 413290007 |
| 413901014 | 69 | 413290007 |
| 413901015 | 352 | 413290007 |
| 413901016 | 75 | 413290007 |
| 413901017 | 131 | 413290007 |
| 413901018 | 83 | 413290007 |
| 413901019 | 96 | 413290007 |
| 413901020 | 174 | 413290007 |
| 413901021 | 70 | 413290007 |
| 413901022 | 2,504 | 413290007 |
| 413902001 | 124 | 413290007 |
| 413902002 | 113 | 413290007 |
| 413902003 | 100 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413902004 | 67 | 413290007 |
| 413902005 | 115 | 413290007 |
| 413902006 | 78 | 413290007 |
| 413902007 | 124 | 413290007 |
| 413902008 | 136 | 413290007 |
| 413902009 | 130 | 413290007 |
| 413902010 | 119 | 413290007 |
| 413902011 | 132 | 413290007 |
| 413902012 | 220 | 413290007 |
| 413902013 | 121 | 413290007 |
| 413902014 | 79 | 413290007 |
| 413902015 | 88 | 413290007 |
| 413902016 | 73 | 413290007 |
| 413902017 | 77 | 413290007 |
| 413902018 | 53 | 413290007 |
| 413902019 | 149 | 413290007 |
| 413902020 | 83 | 413290007 |
| 413902021 | 146 | 413290007 |
| 413902022 | 84 | 413290007 |
| 413902023 | 83 | 413290007 |
| 413902024 | 126 | 413290007 |
| 413902025 | 124 | 413290007 |
| 413910001 | 322 | 413290007 |
| 413910002 | 185 | 413290007 |
| 413910003 | 247 | 413290007 |
| 413910004 | 131 | 413290007 |
| 413910005 | 65 | 413290007 |
| 413910006 | 108 | 413290007 |
| 413910007 | 109 | 413290007 |
| 413910008 | 186 | 413290007 |
| 413910009 | 54 | 413290007 |
| 413910010 | 91 | 413290007 |
| 413910011 | 170 | 413290007 |
| 413910012 | 259 | 413290007 |
| 413910013 | 137 | 413290007 |
| 413910014 | 111 | 413290007 |
| 413910015 | 47 | 413290007 |
| 413910016 | 154 | 413290007 |
| 413910017 | 29 | 413290007 |
| 413910018 | 175 | 413290007 |
| 413910019 | 101 | 413290007 |
| 413910020 | 316 | 413290007 |
| 413910021 | 116 | 413290007 |
| 413910022 | 219 | 413290007 |
| 413910023 | 166 | 413290007 |
| 413910024 | 99 | 413290007 |
| 413910025 | 73 | 413290007 |
| 413910026 | 50 | 413290007 |
| 413910027 | 264 | 413290007 |
| 413910028 | 24 | 413290007 |
| 413910029 | 61 | 413290007 |
| 413910030 | 102 | 413290007 |
| 413910031 | 83 | 413290007 |
| 413910032 | 123 | 413290007 |
| 413910033 | 55 | 413290007 |
| 413910034 | 101 | 413290007 |
| 413910035 | 156 | 413290007 |
| 413910036 | 169 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413910037 | 91 | 413290007 |
| 413910038 | 72 | 413290007 |
| 413910039 | 86 | 413290007 |
| 413910040 | 116 | 413290007 |
| 413910041 | 91 | 413290007 |
| 413910042 | 137 | 413290007 |
| 413910043 | 161 | 413290007 |
| 413910044 | 36 | 413290007 |
| 413910045 | 86 | 413290007 |
| 413910046 | 36 | 413290007 |
| 413910047 | 127 | 413290007 |
| 413910048 | 225 | 413290007 |
| 413911001 | 201 | 413290007 |
| 413911002 | 62 | 413290007 |
| 413911003 | 128 | 413290007 |
| 413911004 | 167 | 413290007 |
| 413911005 | 85 | 413290007 |
| 413911006 | 72 | 413290007 |
| 413911007 | 95 | 413290007 |
| 413911008 | 104 | 413290007 |
| 413920001 | 257 | 413290007 |
| 413920002 | 73 | 413290007 |
| 413920003 | 160 | 413290007 |
| 413920004 | 87 | 413290007 |
| 413920005 | 167 | 413290007 |
| 413920006 | 155 | 413290007 |
| 413920007 | 88 | 413290007 |
| 413920008 | 112 | 413290007 |
| 413920009 | 82 | 413290007 |
| 413920010 | 83 | 413290007 |
| 413920011 | 139 | 413290007 |
| 413920012 | 47 | 413290007 |
| 413920013 | 114 | 413290007 |
| 413920014 | 201 | 413290007 |
| 413920015 | 145 | 413290007 |
| 413920016 | 510 | 413290007 |
| 413920017 | 154 | 413290007 |
| 413920018 | 108 | 413290007 |
| 413920019 | 81 | 413290007 |
| 413920020 | 67 | 413290007 |
| 413920021 | 107 | 413290007 |
| 413920022 | 154 | 413290007 |
| 413920023 | 74 | 413290007 |
| 413920024 | 86 | 413290007 |
| 413920025 | 91 | 413290007 |
| 413920026 | 22 | 413290007 |
| 413920027 | 93 | 413290007 |
| 413920028 | 242 | 413290007 |
| 413920029 | 170 | 413290007 |
| 413920030 | 56 | 413290007 |
| 413920031 | 117 | 413290007 |
| 413920032 | 79 | 413290007 |
| 413920033 | 126 | 413290007 |
| 413920034 | 202 | 413290007 |
| 413920035 | 189 | 413290007 |
| 413920036 | 65 | 413290007 |
| 413920037 | 121 | 413290007 |
| 413920038 | 100 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413920039 | 184 | 413290007 |
| 413920040 | 79 | 413290007 |
| 413920041 | 83 | 413290007 |
| 413930001 | 46 | 413290003 |
| 413930002 | 224 | 413290003 |
| 413930003 | 257 | 413290003 |
| 413930004 | 145 | 413290003 |
| 413930005 | 111 | 413290003 |
| 413930006 | 226 | 413290003 |
| 413930007 | 145 | 413290003 |
| 413930008 | 157 | 413290003 |
| 413930009 | 210 | 413290003 |
| 413930010 | 147 | 413290003 |
| 413930011 | 149 | 413290003 |
| 413930012 | 78 | 413290003 |
| 413930013 | 117 | 413290003 |
| 413930014 | 99 | 413290003 |
| 413930015 | 183 | 413290003 |
| 413931001 | 218 | 413290003 |
| 413931002 | 378 | 413290003 |
| 413931003 | 217 | 413290003 |
| 413931004 | 160 | 413290003 |
| 413931005 | 281 | 413290003 |
| 413931006 | 244 | 413290003 |
| 413931007 | 250 | 413290003 |
| 413931008 | 275 | 413290003 |
| 413931009 | 129 | 413290003 |
| 413932001 | 245 | 413290003 |
| 413932002 | 263 | 413290003 |
| 413932003 | 114 | 413290003 |
| 413932004 | 164 | 413290003 |
| 413932005 | 162 | 413290003 |
| 413932006 | 184 | 413290003 |
| 413932007 | 276 | 413290003 |
| 413932008 | 280 | 413290003 |
| 413932009 | 210 | 413290003 |
| 413933001 | 233 | 413290003 |
| 413933002 | 242 | 413290003 |
| 413933003 | 223 | 413290003 |
| 413933004 | 163 | 413290003 |
| 413933005 | 300 | 413290003 |
| 413933006 | 381 | 413290003 |
| 413933007 | 233 | 413290003 |
| 413933008 | 383 | 413290003 |
| 413933009 | 184 | 413290003 |
| 413933010 | 622 | 413290003 |
| 413933011 | 175 | 413290003 |
| 413933012 | 187 | 413290003 |
| 413933013 | 231 | 413290003 |
| 413933014 | 109 | 413290003 |
| 413933015 | 177 | 413290003 |
| 413933016 | 240 | 413290003 |
| 413933017 | 331 | 413290003 |
| 413933018 | 239 | 413290003 |
| 413933019 | 209 | 413290003 |
| 413933020 | 270 | 413290003 |
| 413933021 | 201 | 413290003 |
| 413933022 | 254 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413933023 | 227 | 413290003 |
| 413933024 | 138 | 413290003 |
| 413933025 | 492 | 413290003 |
| 413933026 | 173 | 413290003 |
| 413933027 | 113 | 413290003 |
| 413933028 | 127 | 413290003 |
| 413933029 | 60 | 413290003 |
| 413933030 | 152 | 413290003 |
| 413933031 | 259 | 413290003 |
| 413933032 | 231 | 413290003 |
| 413933033 | 335 | 413290003 |
| 413933034 | 259 | 413290003 |
| 413933035 | 58 | 413290003 |
| 413933036 | 153 | 413290003 |
| 413933037 | 260 | 413290003 |
| 413933038 | 128 | 413290003 |
| 413933039 | 164 | 413290003 |
| 413933040 | 254 | 413290003 |
| 413933041 | 117 | 413290003 |
| 413940001 | 126 | 413290003 |
| 413940002 | 234 | 413290003 |
| 413940003 | 93 | 413290003 |
| 413940004 | 187 | 413290003 |
| 413940005 | 248 | 413290003 |
| 413940006 | 177 | 413290003 |
| 413940007 | 276 | 413290003 |
| 413940008 | 205 | 413290003 |
| 413940009 | 174 | 413290003 |
| 413941001 | 177 | 413290003 |
| 413941002 | 211 | 413290003 |
| 413941003 | 135 | 413290003 |
| 413941004 | 184 | 413290003 |
| 413941005 | 109 | 413290003 |
| 413941006 | 354 | 413290003 |
| 413941007 | 281 | 413290003 |
| 413941008 | 265 | 413290003 |
| 413941009 | 100 | 413290003 |
| 413941010 | 309 | 413290003 |
| 413941011 | 149 | 413290003 |
| 413941012 | 234 | 413290003 |
| 413941013 | 642 | 413290003 |
| 413941014 | 615 | 413290003 |
| 413941015 | 143 | 413290003 |
| 413941016 | 371 | 413290003 |
| 413941017 | 147 | 413290003 |
| 413941018 | 349 | 413290003 |
| 413941019 | 144 | 413290003 |
| 413941020 | 157 | 413290003 |
| 413941021 | 44 | 413290003 |
| 413941022 | 154 | 413290003 |
| 413941023 | 228 | 413290003 |
| 413950001 | 170 | 413290003 |
| 413950002 | 60 | 413290003 |
| 413950003 | 192 | 413290003 |
| 413950004 | 130 | 413290003 |
| 413950005 | 194 | 413290003 |
| 413950006 | 169 | 413290003 |
| 413950007 | 347 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413950008 | 74 | 413290003 |
| 413950009 | 229 | 413290003 |
| 413950010 | 147 | 413290003 |
| 413950011 | 220 | 413290003 |
| 413950012 | 94 | 413290003 |
| 413950013 | 200 | 413290003 |
| 413950014 | 166 | 413290003 |
| 413950015 | 180 | 413290003 |
| 413950016 | 97 | 413290003 |
| 413950017 | 182 | 413290003 |
| 413950018 | 182 | 413290003 |
| 413950019 | 122 | 413290003 |
| 413950020 | 91 | 413290003 |
| 413950021 | 137 | 413290003 |
| 413950022 | 197 | 413290003 |
| 413950023 | 195 | 413290003 |
| 413950024 | 187 | 413290003 |
| 413950025 | 192 | 413290003 |
| 413950026 | 194 | 413290003 |
| 413950027 | 21 | 413290003 |
| 413950028 | 289 | 413290003 |
| 413950029 | 123 | 413290003 |
| 413950030 | 334 | 413290003 |
| 413950031 | 83 | 413290003 |
| 413950032 | 205 | 413290003 |
| 413950033 | 215 | 413290003 |
| 413950034 | 257 | 413290003 |
| 413951001 | 97 | 413290003 |
| 413951002 | 216 | 413290003 |
| 413951003 | 301 | 413290003 |
| 413951004 | 65 | 413290003 |
| 413951005 | 149 | 413290003 |
| 413951006 | 182 | 413290003 |
| 413951007 | 154 | 413290003 |
| 413952001 | 169 | 413290003 |
| 413952002 | 85 | 413290003 |
| 413952003 | 94 | 413290003 |
| 413952004 | 175 | 413290003 |
| 413952005 | 209 | 413290003 |
| 413952006 | 139 | 413290003 |
| 413952007 | 75 | 413290003 |
| 413952008 | 60 | 413290003 |
| 413952009 | 280 | 413290003 |
| 413952010 | 191 | 413290003 |
| 413952011 | 166 | 413290003 |
| 413960001 | 150 | 413290003 |
| 413960002 | 74 | 413290003 |
| 413960003 | 122 | 413290003 |
| 413960004 | 201 | 413290003 |
| 413960005 | 119 | 413290003 |
| 413960006 | 198 | 413290003 |
| 413960007 | 91 | 413290003 |
| 413960008 | 124 | 413290003 |
| 413960009 | 114 | 413290003 |
| 413960010 | 174 | 413290003 |
| 413960011 | 249 | 413290003 |
| 413960012 | 454 | 413290003 |
| 413960013 | 187 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413960014 | 140 | 413290003 |
| 413960015 | 102 | 413290003 |
| 413960016 | 80 | 413290003 |
| 413960017 | 205 | 413290003 |
| 413960018 | 96 | 413290003 |
| 413960019 | 261 | 413290003 |
| 413960020 | 302 | 413290003 |
| 413960021 | 146 | 413290003 |
| 413960022 | 152 | 413290003 |
| 413960023 | 352 | 413290003 |
| 413960024 | 275 | 413290003 |
| 413960025 | 9,946 | 413290003 |
| 413961001 | 154 | 413290003 |
| 413961002 | 91 | 413290003 |
| 413961003 | 116 | 413290003 |
| 413961004 | 95 | 413290003 |
| 413961005 | 108 | 413290003 |
| 413961006 | 168 | 413290003 |
| 413961007 | 208 | 413290003 |
| 413961008 | 184 | 413290003 |
| 413961009 | 129 | 413290003 |
| 413961010 | 101 | 413290003 |
| 413961011 | 136 | 413290003 |
| 413961012 | 84 | 413290003 |
| 413961013 | 85 | 413290003 |
| 413961014 | 100 | 413290003 |
| 413961015 | 90 | 413290003 |
| 413961016 | 87 | 413290003 |
| 413961017 | 78 | 413290003 |
| 413961018 | 118 | 413290003 |
| 413961019 | 87 | 413290003 |
| 413961020 | 89 | 413290003 |
| 413961021 | 101 | 413290003 |
| 413961022 | 67 | 413290003 |
| 413961023 | 86 | 413290003 |
| 413961024 | 77 | 413290003 |
| 413961025 | 64 | 413290003 |
| 413961026 | 49 | 413290003 |
| 413961027 | 53 | 413290003 |
| 413961028 | 75 | 413290003 |
| 413961029 | 84 | 413290003 |
| 413961030 | 89 | 413290003 |
| 413962001 | 117 | 413290003 |
| 413962002 | 69 | 413290003 |
| 413962003 | 71 | 413290003 |
| 413962004 | 75 | 413290003 |
| 413962005 | 72 | 413290003 |
| 413962006 | 51 | 413290003 |
| 413962007 | 172 | 413290003 |
| 413962008 | 142 | 413290003 |
| 413963001 | 42 | 413290003 |
| 413963002 | 51 | 413290003 |
| 413963003 | 39 | 413290003 |
| 413963004 | 51 | 413290003 |
| 413963005 | 63 | 413290003 |
| 413963006 | 109 | 413290003 |
| 413963007 | 139 | 413290003 |
| 413963008 | 78 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413963009 | 105 | 413290003 |
| 413963010 | 82 | 413290003 |
| 413963011 | 196 | 413290003 |
| 413963012 | 190 | 413290003 |
| 413963013 | 180 | 413290003 |
| 413963014 | 65 | 413290003 |
| 413963015 | 140 | 413290003 |
| 413963016 | 368 | 413290003 |
| 413963017 | 159 | 413290003 |
| 413963018 | 188 | 413290003 |
| 413963019 | 195 | 413290003 |
| 413963020 | 179 | 413290003 |
| 413963021 | 144 | 413290003 |
| 413963022 | 165 | 413290003 |
| 413963023 | 144 | 413290003 |
| 413963024 | 128 | 413290003 |
| 413963025 | 225 | 413290003 |
| 413963026 | 83 | 413290003 |
| 413963027 | 170 | 413290003 |
| 413963028 | 176 | 413290003 |
| 413970001 | 152 | 413290003 |
| 413970002 | 164 | 413290003 |
| 413970003 | 92 | 413290003 |
| 413970004 | 112 | 413290003 |
| 413970005 | 192 | 413290003 |
| 413970006 | 75 | 413290003 |
| 413970007 | 156 | 413290003 |
| 413970008 | 41 | 413290003 |
| 413970009 | 166 | 413290003 |
| 413970010 | 70 | 413290003 |
| 413970011 | 217 | 413290003 |
| 413970012 | 258 | 413290003 |
| 413970013 | 190 | 413290003 |
| 413970014 | 102 | 413290003 |
| 413971001 | 188 | 413290003 |
| 413971002 | 287 | 413290003 |
| 413971003 | 163 | 413290003 |
| 413971004 | 248 | 413290003 |
| 413971005 | 185 | 413290003 |
| 413971006 | 320 | 413290003 |
| 413971007 | 291 | 413290003 |
| 413971008 | 442 | 413290003 |
| 413971009 | 285 | 413290003 |
| 413971010 | 210 | 413290003 |
| 413971011 | 260 | 413290003 |
| 413971012 | 128 | 413290003 |
| 413971013 | 282 | 413290003 |
| 413971014 | 132 | 413290003 |
| 413971015 | 241 | 413290003 |
| 413971016 | 173 | 413290003 |
| 413971017 | 111 | 413290003 |
| 413971018 | 270 | 413290003 |
| 413971019 | 336 | 413290003 |
| 413980001 | 110 | 413290003 |
| 413980002 | 160 | 413290003 |
| 413980003 | 119 | 413290007 |
| 413980004 | 141 | 413290007 |
| 413980005 | 130 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2021 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413980006 | 175 | 413290007 |
| 413980007 | 166 | 413290007 |
| 413980008 | 231 | 413290007 |
| 413980009 | 100 | 413290007 |
| 413980010 | 75 | 413290007 |
| 413980011 | 142 | 413290007 |
| 413980012 | 87 | 413290003 |
| 413980013 | 154 | 413290003 |
| 413980014 | 142 | 413290003 |
| 413980015 | 175 | 413290003 |
| 413980016 | 142 | 413290003 |
| 413980017 | 146 | 413290003 |
| 413980018 | 108 | 413290003 |
| 413980019 | 180 | 413290003 |
| 413980020 | 148 | 413290003 |
| 413980021 | 145 | 413290007 |
| 413980022 | 157 | 413290007 |
| 413980023 | 61 | 413290007 |
| 413980024 | 182 | 413290007 |
| 413980025 | 103 | 413290003 |
| 413980026 | 111 | 413290003 |
| 413981001 | 189 | 413290003 |
| 413981002 | 106 | 413290003 |
| 413981003 | 79 | 413290007 |
| 413981004 | 123 | 413290007 |
| 413981005 | 130 | 413290007 |
| 413981006 | 196 | 413290007 |
| 413981007 | 120 | 413290007 |
| 413981008 | 149 | 413290007 |
| 413981009 | 277 | 413290007 |
| 413981010 | 120 | 413290007 |
| 413981011 | 83 | 413290007 |
| 413981012 | 131 | 413290007 |
| 413981013 | 134 | 413290007 |
| 413981014 | 97 | 413290007 |
| 413981015 | 152 | 413290007 |
| 413981016 | 139 | 413290007 |
| 413981017 | 106 | 413290007 |
| 413981018 | 134 | 413290007 |
| 413981019 | 103 | 413290007 |
| 413981020 | 138 | 413290007 |
| 413981021 | 89 | 413290003 |
| 413981022 | 978 | 413290003 |
| Total (kgal) | 119,512 | |
| Total (Acre Feet) | 366.77 | |



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.us

September 18, 2023

Beaumont Basin Watermaster
c/o Dan Jagers, Secretary
560 Magnolia Avenue
Beaumont, California 92223

Transmitted via Email

Subject: Notice to Adjust Rights of an Overlying Party Due to Water Service by an Appropriator for Calendar Year 2022

Dear Mr. Jagers:

On November 20, 2019, the Yucaipa Valley Water District transmitted the executed Beaumont Basin Watermaster Form 5 – *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service* by an Appropriator for the Oak Valley Partners (attached).

Please find attached the documentation requested by the Watermaster Committee to effectuate the permanent transfer of 478.25 acre feet (155,837 kgal) of Overlying Water Rights from the Oak Valley Development Company / Oak Valley Partners to Yucaipa Valley Water for Calendar Year 2022. Accordingly, this transfer of Overlying Water Rights should be reduced from the Overlying Water Rights of Oak Valley Partners in the Judgment, Exhibit B (and future subsequent redeterminations of the safe yield) and credited to Yucaipa Valley Water District as an Overlying Water Right.

This transfer of Overlying Water Rights should be retroactively applied and documented in the tables of the 2023 annual report of the Beaumont Basin Watermaster as well as any other subsequent annual reports and related documents.

Sincerely,

Joseph B. Zoba
General Manager

Attachments

Greg Bogh
Division 1

Nyles O’Harra
Division 2

Jay Bogh
Division 3

Brett Granlund
Division 4

Joyce McIntire
Division 5



Yucaipa Valley Water District

12770 Second Street • Post Office Box 730 • Yucaipa, California 92399-0730
(909) 797-5117 • Fax: (909) 797-6381 • www.yvwd.dst.ca.us

November 20, 2019

Mr. Dan Jagers, Secretary
Beaumont Basin Watermaster
c/o Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223

Subject: Transmittal of Executed Beaumont Basin Watermaster Form 5 - *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator*

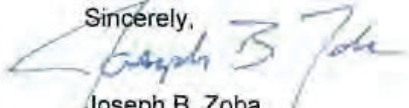
Dear Mr. Jagers:

On November 19, 2019, the Yucaipa Valley Water Board of Directors authorized the execution and acceptance of Beaumont Basin Watermaster Form 5 related to the transfer of overlying water rights from Oak Valley Development Company / Oak Valley Partners to the Yucaipa Valley Water District. This form provides that the original 1,806 acre feet, now the revised 1,398.90 acre feet of overlying water rights based on the redetermination of safe yield, is transferred to the Yucaipa Valley Water District. The Parties to Form 5 recognize that the transferred overlying water rights will be adjusted for Yucaipa Valley Water District in the future each time the redetermination of safe yield is calculated.

A copy of the fully executed Beaumont Basin Watermaster Form 5 *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* is attached. Please file this document as part of the permanent records of the Beaumont Basin Watermaster.

Thank you.

Sincerely,


Joseph B. Zoba
General Manager

attachment

Copies to:

- Hannibal Blandon, Alda Engineering
- Thierry Montoya, Alvarado Smith

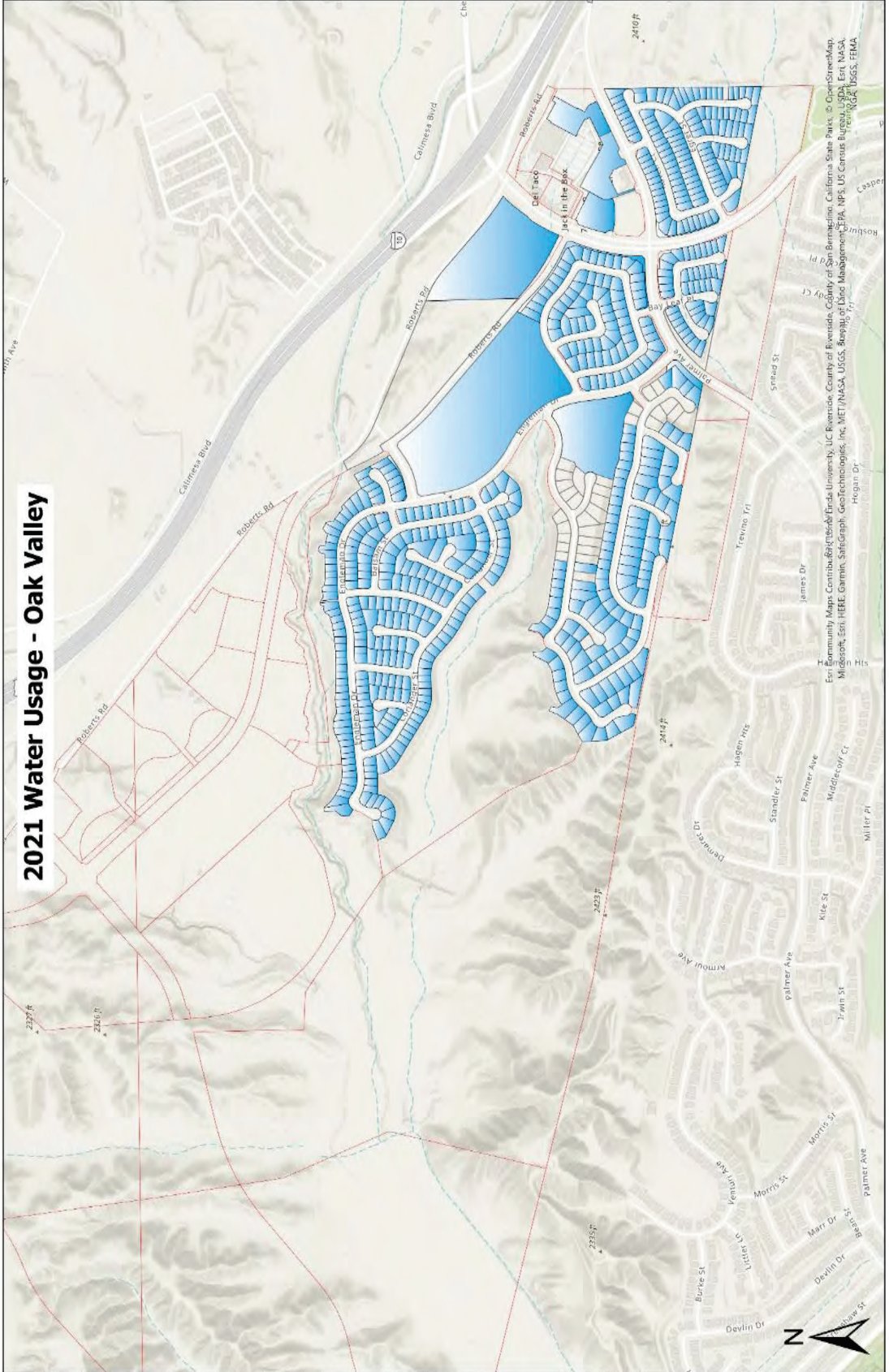
Chris Mann
Division 1

Bruce Granlund
Division 2

Jay Bogh
Division 3

Lonni Granlund
Division 4

Joyce McIntire
Division 5



| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 407370001 | 22 | 413290003 |
| 407370002 | 22 | 413290003 |
| 407370003 | 250 | 413290007 |
| 407370004 | 34 | 413290007 |
| 407370005 | 73 | 413290003 |
| 407370006 | 174 | 413290003 |
| 407370007 | 120 | 413290003 |
| 407370008 | 343 | 413290003 |
| 407370009 | 175 | 413290003 |
| 407370010 | 240 | 413290003 |
| 407370011 | 172 | 413290003 |
| 407370012 | 137 | 413290003 |
| 407370014 | 288 | 413290007 |
| 407370015 | 168 | 413290007 |
| 407370016 | 67 | 413290007 |
| 407370017 | 110 | 413460038 |
| 407370018 | 46 | 413290007 |
| 407370019 | 1,270 | 413290007 |
| 407370020 | 100 | 413460038 |
| 407370021 | 180 | 413460038 |
| 407370022 | 258 | 413460038 |
| 407370023 | 313 | 413460038 |
| 407370024 | 240 | 413460038 |
| 407370025 | 192 | 413460038 |
| 407371001 | 132 | 413290003 |
| 407371002 | 127 | 413290003 |
| 407371003 | 147 | 413290003 |
| 407371004 | 157 | 413290003 |
| 407371005 | 146 | 413290003 |
| 407371006 | 72 | 413290003 |
| 407371007 | 81 | 413290003 |
| 407371008 | 30 | 413290003 |
| 407380001 | 162 | 413290003 |
| 407380002 | 107 | 413290003 |
| 407380003 | 194 | 413290003 |
| 407380004 | 178 | 413290003 |
| 407380005 | 166 | 413290003 |
| 407380006 | 391 | 413290003 |
| 407380007 | 100 | 413290003 |
| 407380008 | 134 | 413290003 |
| 407380009 | 66 | 413290003 |
| 407380010 | 286 | 413290003 |
| 407380011 | 128 | 413290003 |
| 407380012 | 226 | 413290003 |
| 407380013 | 96 | 413290003 |
| 407380014 | 114 | 413290003 |
| 407380015 | 88 | 413290003 |
| 407380016 | 127 | 413290003 |
| 407380017 | 130 | 413290003 |
| 407380018 | 61 | 413290003 |
| 407380019 | 118 | 413290003 |
| 407380020 | 249 | 413460038 |
| 407380021 | 184 | 413460038 |
| 407380022 | 343 | 413460038 |
| 407381001 | 183 | 413290003 |
| 407381002 | 72 | 413290003 |
| 407381003 | 144 | 413290003 |
| 407381004 | 165 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 407381005 | 66 | 413290003 |
| 407381006 | 213 | 413290003 |
| 407381007 | 81 | 413290003 |
| 407381008 | 87 | 413290003 |
| 407381009 | 83 | 413290003 |
| 407381010 | 124 | 413290003 |
| 407381011 | 66 | 413290003 |
| 407381012 | 166 | 413290003 |
| 407381013 | 92 | 413290003 |
| 407381014 | 104 | 413290003 |
| 407381015 | 43 | 413290003 |
| 407381016 | 111 | 413290003 |
| 407381017 | 167 | 413290003 |
| 407390001 | 149 | 413290003 |
| 407390002 | 156 | 413290003 |
| 407390003 | 114 | 413290003 |
| 407390004 | 58 | 413290003 |
| 407390005 | 70 | 413290003 |
| 407390006 | 102 | 413290003 |
| 407390007 | 185 | 413290003 |
| 407390008 | 232 | 413290003 |
| 407390009 | 72 | 413290003 |
| 407390010 | 203 | 413290003 |
| 407390011 | 72 | 413290003 |
| 407390012 | 101 | 413290003 |
| 407390013 | 48 | 413290003 |
| 407390014 | 145 | 413290003 |
| 407390015 | 80 | 413290003 |
| 407390016 | 127 | 413290003 |
| 407390017 | 242 | 413290003 |
| 407390018 | 136 | 413290003 |
| 407390019 | 180 | 413290003 |
| 407390020 | 200 | 413290003 |
| 407390021 | 173 | 413290003 |
| 407390022 | 249 | 413290003 |
| 407390023 | 306 | 413290003 |
| 407391001 | 193 | 413290003 |
| 407391002 | 163 | 413290003 |
| 407391003 | 175 | 413290003 |
| 407391004 | 129 | 413290003 |
| 407391005 | 124 | 413290003 |
| 407391006 | 118 | 413290003 |
| 407391007 | 127 | 413290003 |
| 407391008 | 64 | 413290003 |
| 407391009 | 87 | 413290003 |
| 407391010 | 139 | 413290003 |
| 407391011 | 79 | 413290003 |
| 407391012 | 216 | 413290003 |
| 407391013 | 257 | 413290003 |
| 407391014 | 182 | 413290003 |
| 407391015 | 55 | 413290003 |
| 407391016 | 76 | 413290003 |
| 407391017 | 133 | 413290003 |
| 407391018 | 60 | 413290003 |
| 407391019 | 281 | 413290003 |
| 407391020 | 108 | 413290003 |
| 407400001 | 156 | 413290003 |
| 407400002 | 100 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 407400003 | 84 | 413290003 |
| 407400004 | 79 | 413290003 |
| 407400005 | 35 | 413290003 |
| 407400006 | 70 | 413290003 |
| 407400007 | 103 | 413290003 |
| 407400008 | 99 | 413290003 |
| 407400009 | 60 | 413290003 |
| 407400010 | 124 | 413290003 |
| 407400011 | 39 | 413290003 |
| 407400012 | 71 | 413290003 |
| 407400013 | 90 | 413290003 |
| 407401001 | 95 | 413290003 |
| 407401002 | 62 | 413290003 |
| 407401003 | 48 | 413290003 |
| 407401004 | 49 | 413290003 |
| 407401005 | 51 | 413290003 |
| 407401006 | 143 | 413290003 |
| 407402001 | 91 | 413290003 |
| 407402002 | 102 | 413290003 |
| 407402003 | 95 | 413290003 |
| 407402004 | 178 | 413290003 |
| 407402005 | 99 | 413290003 |
| 407402006 | 149 | 413290003 |
| 407402007 | 150 | 413290003 |
| 407402008 | 90 | 413290003 |
| 407402009 | 148 | 413290003 |
| 407402010 | 90 | 413290003 |
| 407402011 | 130 | 413290003 |
| 407402012 | 68 | 413290003 |
| 407402013 | 71 | 413290003 |
| 413290048 | 7 | 413290003 |
| 413290048 | 4,756 | 413290003 |
| 413290062 | 4 | 413290003 |
| 413290062 | 1,463 | 413290003 |
| 413290064 | 40 | 413290003 |
| 413290064 | 1,897 | 413290003 |
| 413290064 | 2,359 | 413290003 |
| 413290064 | 10,943 | 413290003 |
| 413780012 | 352 | 413290007 |
| 413780012 | 2,597 | 413290007 |
| 413780014 | 58 | 413290007 |
| 413780014 | 760 | 413290007 |
| 413780014 | 1,596 | 413290007 |
| 413780016 | 140 | 413290007 |
| 413780016 | 148 | 413290007 |
| 413780016 | 229 | 413290007 |
| 413780016 | 372 | 413290007 |
| 413780016 | 750 | 413290007 |
| 413780016 | 2,475 | 413290007 |
| 413900001 | 118 | 413290007 |
| 413900002 | 191 | 413290007 |
| 413900003 | 238 | 413290007 |
| 413900004 | 204 | 413290007 |
| 413900005 | 69 | 413290007 |
| 413900006 | 101 | 413290007 |
| 413900007 | 484 | 413290007 |
| 413900008 | 40 | 413290007 |
| 413900009 | 127 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413900010 | 100 | 413290007 |
| 413900011 | 166 | 413290007 |
| 413900012 | 182 | 413290007 |
| 413900013 | 44 | 413290007 |
| 413900014 | 55 | 413290007 |
| 413900015 | 166 | 413290007 |
| 413900016 | 41 | 413290007 |
| 413900017 | 63 | 413290007 |
| 413900018 | 189 | 413290007 |
| 413900019 | 159 | 413290007 |
| 413901001 | 228 | 413290007 |
| 413901002 | 60 | 413290007 |
| 413901003 | 96 | 413290007 |
| 413901004 | 94 | 413290007 |
| 413901005 | 81 | 413290007 |
| 413901006 | 96 | 413290007 |
| 413901007 | 90 | 413290007 |
| 413901008 | 82 | 413290007 |
| 413901009 | 147 | 413290007 |
| 413901010 | 56 | 413290007 |
| 413901011 | 115 | 413290007 |
| 413901012 | 33 | 413290007 |
| 413901013 | 227 | 413290007 |
| 413901014 | 46 | 413290007 |
| 413901015 | 79 | 413290007 |
| 413901016 | 104 | 413290007 |
| 413901017 | 100 | 413290007 |
| 413901018 | 108 | 413290007 |
| 413901019 | 38 | 413290007 |
| 413901020 | 220 | 413290007 |
| 413901021 | 161 | 413290007 |
| 413901022 | 2,492 | 413290007 |
| 413902001 | 76 | 413290007 |
| 413902002 | 179 | 413290007 |
| 413902003 | 118 | 413290007 |
| 413902004 | 59 | 413290007 |
| 413902005 | 116 | 413290007 |
| 413902006 | 67 | 413290007 |
| 413902007 | 151 | 413290007 |
| 413902008 | 72 | 413290007 |
| 413902009 | 161 | 413290007 |
| 413902010 | 67 | 413290007 |
| 413902011 | 118 | 413290007 |
| 413902012 | 178 | 413290007 |
| 413902013 | 134 | 413290007 |
| 413902014 | 102 | 413290007 |
| 413902015 | 85 | 413290007 |
| 413902016 | 76 | 413290007 |
| 413902017 | 120 | 413290007 |
| 413902018 | 42 | 413290007 |
| 413902019 | 158 | 413290007 |
| 413902020 | 100 | 413290007 |
| 413902021 | 169 | 413290007 |
| 413902022 | 76 | 413290007 |
| 413902023 | 137 | 413290007 |
| 413902024 | 120 | 413290007 |
| 413902025 | 78 | 413290007 |
| 413910001 | 322 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413910002 | 223 | 413290007 |
| 413910003 | 272 | 413290007 |
| 413910004 | 133 | 413290007 |
| 413910005 | 69 | 413290007 |
| 413910006 | 98 | 413290007 |
| 413910007 | 107 | 413290007 |
| 413910008 | 198 | 413290007 |
| 413910009 | 68 | 413290007 |
| 413910010 | 77 | 413290007 |
| 413910011 | 146 | 413290007 |
| 413910012 | 301 | 413290007 |
| 413910013 | 148 | 413290007 |
| 413910014 | 83 | 413290007 |
| 413910015 | 28 | 413290007 |
| 413910016 | 145 | 413290007 |
| 413910017 | 25 | 413290007 |
| 413910018 | 158 | 413290007 |
| 413910019 | 52 | 413290007 |
| 413910020 | 226 | 413290007 |
| 413910021 | 115 | 413290007 |
| 413910022 | 286 | 413290007 |
| 413910023 | 185 | 413290007 |
| 413910024 | 100 | 413290007 |
| 413910025 | 78 | 413290007 |
| 413910026 | 51 | 413290007 |
| 413910027 | 143 | 413290007 |
| 413910028 | 15 | 413290007 |
| 413910029 | 66 | 413290007 |
| 413910030 | 90 | 413290007 |
| 413910031 | 29 | 413290007 |
| 413910032 | 66 | 413290007 |
| 413910033 | 54 | 413290007 |
| 413910034 | 104 | 413290007 |
| 413910035 | 161 | 413290007 |
| 413910036 | 159 | 413290007 |
| 413910037 | 203 | 413290007 |
| 413910038 | 97 | 413290007 |
| 413910039 | 121 | 413290007 |
| 413910040 | 221 | 413290007 |
| 413910041 | 102 | 413290007 |
| 413910042 | 135 | 413290007 |
| 413910043 | 146 | 413290007 |
| 413910044 | 34 | 413290007 |
| 413910045 | 99 | 413290007 |
| 413910046 | 49 | 413290007 |
| 413910047 | 137 | 413290007 |
| 413910048 | 221 | 413290007 |
| 413911001 | 65 | 413290007 |
| 413911002 | 68 | 413290007 |
| 413911003 | 27 | 413290007 |
| 413911004 | 118 | 413290007 |
| 413911005 | 92 | 413290007 |
| 413911006 | 40 | 413290007 |
| 413911007 | 101 | 413290007 |
| 413911008 | 112 | 413290007 |
| 413920001 | 261 | 413290007 |
| 413920002 | 89 | 413290007 |
| 413920003 | 165 | 413290007 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413920004 | 100 | 413290007 |
| 413920005 | 207 | 413290007 |
| 413920006 | 191 | 413290007 |
| 413920007 | 84 | 413290007 |
| 413920008 | 102 | 413290007 |
| 413920009 | 53 | 413290007 |
| 413920010 | 61 | 413290007 |
| 413920011 | 175 | 413290007 |
| 413920012 | 56 | 413290007 |
| 413920013 | 96 | 413290007 |
| 413920014 | 191 | 413290007 |
| 413920015 | 90 | 413290007 |
| 413920016 | 251 | 413290007 |
| 413920017 | 85 | 413290007 |
| 413920018 | 194 | 413290007 |
| 413920019 | 80 | 413290007 |
| 413920020 | 43 | 413290007 |
| 413920021 | 113 | 413290007 |
| 413920022 | 193 | 413290007 |
| 413920023 | 63 | 413290007 |
| 413920024 | 102 | 413290007 |
| 413920025 | 114 | 413290007 |
| 413920026 | 25 | 413290007 |
| 413920027 | 100 | 413290007 |
| 413920028 | 237 | 413290007 |
| 413920029 | 190 | 413290007 |
| 413920030 | 64 | 413290007 |
| 413920031 | 123 | 413290007 |
| 413920032 | 80 | 413290007 |
| 413920033 | 106 | 413290007 |
| 413920034 | 176 | 413290007 |
| 413920035 | 193 | 413290007 |
| 413920036 | 62 | 413290007 |
| 413920037 | 95 | 413290007 |
| 413920038 | 77 | 413290007 |
| 413920039 | 189 | 413290007 |
| 413920040 | 95 | 413290007 |
| 413920041 | 71 | 413290007 |
| 413920042 | 85 | 413290007 |
| 413930001 | 94 | 413290003 |
| 413930002 | 200 | 413290003 |
| 413930003 | 205 | 413290003 |
| 413930004 | 210 | 413290003 |
| 413930005 | 88 | 413290003 |
| 413930006 | 200 | 413290003 |
| 413930007 | 200 | 413290003 |
| 413930008 | 208 | 413290003 |
| 413930009 | 248 | 413290003 |
| 413930010 | 138 | 413290003 |
| 413930011 | 110 | 413290003 |
| 413930012 | 44 | 413290003 |
| 413930013 | 104 | 413290003 |
| 413930014 | 90 | 413290003 |
| 413930015 | 249 | 413290003 |
| 413931001 | 219 | 413290003 |
| 413931002 | 269 | 413290003 |
| 413931003 | 150 | 413290003 |
| 413931004 | 152 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413931005 | 343 | 413290003 |
| 413931006 | 179 | 413290003 |
| 413931007 | 330 | 413290003 |
| 413931008 | 270 | 413290003 |
| 413931009 | 121 | 413290003 |
| 413932001 | 259 | 413290003 |
| 413932002 | 363 | 413290003 |
| 413932003 | 125 | 413290003 |
| 413932004 | 195 | 413290003 |
| 413932005 | 174 | 413290003 |
| 413932006 | 177 | 413290003 |
| 413932007 | 286 | 413290003 |
| 413932008 | 378 | 413290003 |
| 413932009 | 264 | 413290003 |
| 413933001 | 231 | 413290003 |
| 413933002 | 189 | 413290003 |
| 413933003 | 279 | 413290003 |
| 413933004 | 156 | 413290003 |
| 413933005 | 616 | 413290003 |
| 413933006 | 363 | 413290003 |
| 413933007 | 224 | 413290003 |
| 413933008 | 552 | 413290003 |
| 413933009 | 347 | 413290003 |
| 413933010 | 713 | 413290003 |
| 413933011 | 298 | 413290003 |
| 413933012 | 269 | 413290003 |
| 413933013 | 251 | 413290003 |
| 413933014 | 155 | 413290003 |
| 413933015 | 132 | 413290003 |
| 413933016 | 239 | 413290003 |
| 413933017 | 297 | 413290003 |
| 413933018 | 240 | 413290003 |
| 413933019 | 143 | 413290003 |
| 413933020 | 251 | 413290003 |
| 413933021 | 216 | 413290003 |
| 413933022 | 441 | 413290003 |
| 413933023 | 127 | 413290003 |
| 413933024 | 162 | 413290003 |
| 413933025 | 397 | 413290003 |
| 413933026 | 197 | 413290003 |
| 413933027 | 104 | 413290003 |
| 413933028 | 150 | 413290003 |
| 413933029 | 67 | 413290003 |
| 413933030 | 98 | 413290003 |
| 413933031 | 285 | 413290003 |
| 413933032 | 203 | 413290003 |
| 413933033 | 302 | 413290003 |
| 413933034 | 253 | 413290003 |
| 413933035 | 74 | 413290003 |
| 413933036 | 206 | 413290003 |
| 413933037 | 176 | 413290003 |
| 413933038 | 103 | 413290003 |
| 413933039 | 162 | 413290003 |
| 413933040 | 174 | 413290003 |
| 413933041 | 95 | 413290003 |
| 413940001 | 119 | 413290003 |
| 413940002 | 217 | 413290003 |
| 413940003 | 101 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413940004 | 106 | 413290003 |
| 413940005 | 204 | 413290003 |
| 413940006 | 183 | 413290003 |
| 413940007 | 203 | 413290003 |
| 413940008 | 238 | 413290003 |
| 413940009 | 154 | 413290003 |
| 413941001 | 178 | 413290003 |
| 413941002 | 234 | 413290003 |
| 413941003 | 123 | 413290003 |
| 413941004 | 135 | 413290003 |
| 413941005 | 134 | 413290003 |
| 413941006 | 295 | 413290003 |
| 413941007 | 273 | 413290003 |
| 413941008 | 151 | 413290003 |
| 413941009 | 69 | 413290003 |
| 413941010 | 316 | 413290003 |
| 413941011 | 121 | 413290003 |
| 413941012 | 161 | 413290003 |
| 413941013 | 637 | 413290003 |
| 413941014 | 828 | 413290003 |
| 413941015 | 87 | 413290003 |
| 413941016 | 537 | 413290003 |
| 413941017 | 167 | 413290003 |
| 413941018 | 401 | 413290003 |
| 413941019 | 103 | 413290003 |
| 413941020 | 141 | 413290003 |
| 413941021 | 39 | 413290003 |
| 413941022 | 153 | 413290003 |
| 413941023 | 241 | 413290003 |
| 413950001 | 164 | 413290003 |
| 413950002 | 57 | 413290003 |
| 413950003 | 159 | 413290003 |
| 413950004 | 145 | 413290003 |
| 413950005 | 202 | 413290003 |
| 413950006 | 120 | 413290003 |
| 413950007 | 382 | 413290003 |
| 413950008 | 67 | 413290003 |
| 413950009 | 197 | 413290003 |
| 413950010 | 185 | 413290003 |
| 413950011 | 198 | 413290003 |
| 413950012 | 83 | 413290003 |
| 413950013 | 189 | 413290003 |
| 413950014 | 166 | 413290003 |
| 413950015 | 177 | 413290003 |
| 413950016 | 97 | 413290003 |
| 413950017 | 192 | 413290003 |
| 413950018 | 228 | 413290003 |
| 413950019 | 108 | 413290003 |
| 413950020 | 85 | 413290003 |
| 413950021 | 129 | 413290003 |
| 413950022 | 256 | 413290003 |
| 413950023 | 228 | 413290003 |
| 413950024 | 209 | 413290003 |
| 413950025 | 283 | 413290003 |
| 413950026 | 144 | 413290003 |
| 413950027 | 16 | 413290003 |
| 413950028 | 255 | 413290003 |
| 413950029 | 123 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413950030 | 304 | 413290003 |
| 413950031 | 43 | 413290003 |
| 413950032 | 240 | 413290003 |
| 413950033 | 237 | 413290003 |
| 413950034 | 328 | 413290003 |
| 413951001 | 105 | 413290003 |
| 413951002 | 147 | 413290003 |
| 413951003 | 264 | 413290003 |
| 413951004 | 86 | 413290003 |
| 413951005 | 184 | 413290003 |
| 413951006 | 215 | 413290003 |
| 413951007 | 170 | 413290003 |
| 413952001 | 197 | 413290003 |
| 413952002 | 92 | 413290003 |
| 413952003 | 126 | 413290003 |
| 413952004 | 258 | 413290003 |
| 413952005 | 211 | 413290003 |
| 413952006 | 104 | 413290003 |
| 413952007 | 191 | 413290003 |
| 413952008 | 68 | 413290003 |
| 413952009 | 324 | 413290003 |
| 413952010 | 200 | 413290003 |
| 413952011 | 172 | 413290003 |
| 413960001 | 182 | 413290003 |
| 413960002 | 76 | 413290003 |
| 413960003 | 103 | 413290003 |
| 413960004 | 150 | 413290003 |
| 413960005 | 155 | 413290003 |
| 413960006 | 222 | 413290003 |
| 413960007 | 89 | 413290003 |
| 413960008 | 116 | 413290003 |
| 413960009 | 130 | 413290003 |
| 413960010 | 141 | 413290003 |
| 413960011 | 298 | 413290003 |
| 413960012 | 378 | 413290003 |
| 413960013 | 261 | 413290003 |
| 413960014 | 166 | 413290003 |
| 413960015 | 39 | 413290003 |
| 413960016 | 59 | 413290003 |
| 413960017 | 210 | 413290003 |
| 413960018 | 55 | 413290003 |
| 413960019 | 220 | 413290003 |
| 413960020 | 363 | 413290003 |
| 413960021 | 209 | 413290003 |
| 413960022 | 143 | 413290003 |
| 413960023 | 357 | 413290003 |
| 413960024 | 342 | 413290003 |
| 413960025 | 18,866 | 413290003 |
| 413961001 | 258 | 413290003 |
| 413961002 | 111 | 413290003 |
| 413961003 | 120 | 413290003 |
| 413961004 | 332 | 413290003 |
| 413961005 | 111 | 413290003 |
| 413961006 | 299 | 413290003 |
| 413961007 | 275 | 413290003 |
| 413961008 | 236 | 413290003 |
| 413961009 | 81 | 413290003 |
| 413961010 | 112 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413961011 | 217 | 413290003 |
| 413961012 | 84 | 413290003 |
| 413961013 | 204 | 413290003 |
| 413961014 | 114 | 413290003 |
| 413961015 | 80 | 413290003 |
| 413961016 | 103 | 413290003 |
| 413961017 | 142 | 413290003 |
| 413961018 | 159 | 413290003 |
| 413961019 | 215 | 413290003 |
| 413961020 | 159 | 413290003 |
| 413961021 | 143 | 413290003 |
| 413961022 | 89 | 413290003 |
| 413961023 | 84 | 413290003 |
| 413961024 | 169 | 413290003 |
| 413961025 | 109 | 413290003 |
| 413961026 | 84 | 413290003 |
| 413961027 | 87 | 413290003 |
| 413961028 | 104 | 413290003 |
| 413961029 | 152 | 413290003 |
| 413961030 | 186 | 413290003 |
| 413962001 | 252 | 413290003 |
| 413962002 | 199 | 413290003 |
| 413962003 | 89 | 413290003 |
| 413962004 | 219 | 413290003 |
| 413962005 | 163 | 413290003 |
| 413962006 | 121 | 413290003 |
| 413962007 | 164 | 413290003 |
| 413962008 | 163 | 413290003 |
| 413963001 | 115 | 413290003 |
| 413963002 | 130 | 413290003 |
| 413963003 | 148 | 413290003 |
| 413963004 | 85 | 413290003 |
| 413963005 | 224 | 413290003 |
| 413963006 | 195 | 413290003 |
| 413963007 | 196 | 413290003 |
| 413963008 | 136 | 413290003 |
| 413963009 | 283 | 413290003 |
| 413963010 | 91 | 413290003 |
| 413963011 | 433 | 413290003 |
| 413963012 | 297 | 413290003 |
| 413963013 | 199 | 413290003 |
| 413963014 | 86 | 413290003 |
| 413963015 | 147 | 413290003 |
| 413963016 | 269 | 413290003 |
| 413963017 | 221 | 413290003 |
| 413963018 | 171 | 413290003 |
| 413963019 | 298 | 413290003 |
| 413963020 | 119 | 413290003 |
| 413963021 | 205 | 413290003 |
| 413963022 | 294 | 413290003 |
| 413963023 | 139 | 413290003 |
| 413963024 | 144 | 413290003 |
| 413963025 | 262 | 413290003 |
| 413963026 | 77 | 413290003 |
| 413963027 | 232 | 413290003 |
| 413963028 | 187 | 413290003 |
| 413970001 | 110 | 413290003 |
| 413970002 | 207 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|--|--|
| 413970003 | 102 | 413290003 |
| 413970004 | 132 | 413290003 |
| 413970005 | 195 | 413290003 |
| 413970006 | 79 | 413290003 |
| 413970007 | 140 | 413290003 |
| 413970008 | 37 | 413290003 |
| 413970009 | 134 | 413290003 |
| 413970010 | 74 | 413290003 |
| 413970011 | 228 | 413290003 |
| 413970012 | 297 | 413290003 |
| 413970013 | 192 | 413290003 |
| 413970014 | 74 | 413290003 |
| 413971001 | 147 | 413290003 |
| 413971002 | 298 | 413290003 |
| 413971003 | 227 | 413290003 |
| 413971004 | 269 | 413290003 |
| 413971005 | 131 | 413290003 |
| 413971006 | 256 | 413290003 |
| 413971007 | 255 | 413290003 |
| 413971008 | 298 | 413290003 |
| 413971009 | 337 | 413290003 |
| 413971010 | 182 | 413290003 |
| 413971011 | 199 | 413290003 |
| 413971012 | 60 | 413290003 |
| 413971013 | 539 | 413290003 |
| 413971014 | 196 | 413290003 |
| 413971015 | 321 | 413290003 |
| 413971016 | 158 | 413290003 |
| 413971017 | 82 | 413290003 |
| 413971018 | 250 | 413290003 |
| 413971019 | 309 | 413290003 |
| 413980001 | 164 | 413290003 |
| 413980002 | 178 | 413290003 |
| 413980003 | 208 | 413290007 |
| 413980004 | 152 | 413290007 |
| 413980005 | 167 | 413290007 |
| 413980006 | 225 | 413290007 |
| 413980007 | 201 | 413290007 |
| 413980008 | 208 | 413290007 |
| 413980009 | 390 | 413290007 |
| 413980010 | 80 | 413290007 |
| 413980011 | 125 | 413290007 |
| 413980012 | 109 | 413290003 |
| 413980013 | 199 | 413290003 |
| 413980014 | 114 | 413290003 |
| 413980015 | 189 | 413290003 |
| 413980016 | 165 | 413290003 |
| 413980017 | 144 | 413290003 |
| 413980018 | 107 | 413290003 |
| 413980019 | 158 | 413290003 |
| 413980020 | 204 | 413290003 |
| 413980021 | 136 | 413290007 |
| 413980022 | 198 | 413290007 |
| 413980023 | 56 | 413290007 |
| 413980024 | 199 | 413290007 |
| 413980025 | 128 | 413290003 |
| 413980026 | 91 | 413290003 |
| 413981001 | 150 | 413290003 |

| Assessor's Parcel Number | Water Served in Calendar Year 2022 (kgal) | Assessor's Parcel Number in Exhibit D of Judgment |
|--------------------------|---|---|
| 413981002 | 116 | 413290003 |
| 413981003 | 54 | 413290007 |
| 413981004 | 120 | 413290007 |
| 413981005 | 132 | 413290007 |
| 413981006 | 169 | 413290007 |
| 413981007 | 117 | 413290007 |
| 413981008 | 212 | 413290007 |
| 413981009 | 241 | 413290007 |
| 413981010 | 131 | 413290007 |
| 413981011 | 100 | 413290007 |
| 413981012 | 96 | 413290007 |
| 413981013 | 104 | 413290007 |
| 413981014 | 88 | 413290007 |
| 413981015 | 164 | 413290007 |
| 413981016 | 178 | 413290007 |
| 413981017 | 103 | 413290007 |
| 413981018 | 223 | 413290007 |
| 413981019 | 161 | 413290007 |
| 413981020 | 171 | 413290007 |
| 413981021 | 110 | 413290003 |
| 413981022 | 1,072 | 413290003 |
| Total (kgal) | 155,837 | |
| Total (Acre Feet) | 478.25 | |

Appendix G

GAMA Water Quality Analysis Summary (2019-2023) for Drinking Water Production Wells

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| Banning-C2A | 3/17/2020 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| Banning-C2A | 3/17/2020 | ALKALINITY, BICARBONATE | 160 | MG/L |
| Banning-C2A | 3/17/2020 | ALKALINITY, TOTAL | 160 | MG/L |
| Banning-C2A | 3/17/2020 | ALUMINUM | < 50 | UG/L |
| Banning-C2A | 3/17/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| Banning-C2A | 3/17/2020 | ARSENIC | < 2 | UG/L |
| Banning-C2A | 3/17/2020 | ASBESTOS | < 0.2 | MFL |
| Banning-C2A | 3/9/2023 | ASBESTOS | < 0.2 | MFL |
| Banning-C2A | 3/17/2020 | BARIUM | < 100 | UG/L |
| Banning-C2A | 3/17/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Banning-C2A | 3/17/2020 | CADMIUM | < 1 | UG/L |
| Banning-C2A | 3/17/2020 | CALCIUM | 41 | MG/L |
| Banning-C2A | 3/17/2020 | CHLORIDE | 9 | MG/L |
| Banning-C2A | 3/17/2020 | CHROMIUM | 16 | UG/L |
| Banning-C2A | 3/10/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C2A | 5/23/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C2A | 8/11/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C2A | 11/14/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C2A | 3/17/2020 | COPPER, FREE | < 50 | UG/L |
| Banning-C2A | 3/17/2020 | FLUORIDE | 0.20 | MG/L |
| Banning-C2A | 3/17/2020 | HARDNESS, TOTAL (AS CaCO3) | 140 | MG/L |
| Banning-C2A | 3/17/2020 | IRON | < 100 | UG/L |
| Banning-C2A | 3/17/2020 | LEAD | < 5 | UG/L |
| Banning-C2A | 3/17/2020 | MAGNESIUM | 8.8 | MG/L |
| Banning-C2A | 3/17/2020 | MANGANESE | < 20 | UG/L |
| Banning-C2A | 3/17/2020 | MERCURY | < 1 | UG/L |
| Banning-C2A | 3/17/2020 | NICKEL | < 10 | UG/L |
| Banning-C2A | 1/23/2019 | NITRATE | 2.0 | MG/L |
| Banning-C2A | 1/30/2020 | NITRATE | 1.9 | MG/L |
| Banning-C2A | 3/17/2020 | NITRATE | 1.3 | MG/L |
| Banning-C2A | 1/6/2021 | NITRATE | 1.9 | MG/L |
| Banning-C2A | 1/6/2021 | NITRATE | 1.9 | MG/L |
| Banning-C2A | 1/19/2022 | NITRATE | 1.7 | MG/L |
| Banning-C2A | 1/18/2023 | NITRATE | 1.8 | MG/L |
| Banning-C2A | 1/23/2019 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 1/30/2020 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 3/17/2020 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 1/19/2022 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 1/18/2023 | NITRITE | < 0.4 | MG/L |
| Banning-C2A | 3/17/2020 | PERCHLORATE | < 2 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| Banning-C2A | 3/17/2020 | PH | 8.2 | PH |
| Banning-C2A | 3/17/2020 | POTASSIUM | 1.3 | MG/L |
| Banning-C2A | 3/17/2020 | SELENIUM | < 5 | UG/L |
| Banning-C2A | 3/17/2020 | SILVER | < 10 | UG/L |
| Banning-C2A | 3/17/2020 | SODIUM | 24 | MG/L |
| Banning-C2A | 3/17/2020 | SULFATE | 9 | MG/L |
| Banning-C2A | 3/17/2020 | TDS | 220 | MG/L |
| Banning-C2A | 3/17/2020 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C2A | 3/17/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| Banning-C2A | 3/17/2020 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C2A | 3/17/2020 | ZINC | < 50 | UG/L |
| Banning-C3 | 10/29/2020 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| Banning-C3 | 10/29/2020 | ALKALINITY, BICARBONATE | 140 | MG/L |
| Banning-C3 | 10/29/2020 | ALKALINITY, TOTAL | 140 | MG/L |
| Banning-C3 | 10/29/2020 | ALUMINUM | < 50 | UG/L |
| Banning-C3 | 10/29/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| Banning-C3 | 10/29/2020 | ARSENIC | < 2 | UG/L |
| Banning-C3 | 10/29/2020 | ASBESTOS | < 0.2 | MFL |
| Banning-C3 | 3/8/2023 | ASBESTOS | < 0.2 | MFL |
| Banning-C3 | 10/29/2020 | BARIUM | < 100 | UG/L |
| Banning-C3 | 10/29/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Banning-C3 | 10/29/2020 | CADMIUM | < 1 | UG/L |
| Banning-C3 | 10/29/2020 | CALCIUM | 31 | MG/L |
| Banning-C3 | 10/29/2020 | CHLORIDE | 16 | MG/L |
| Banning-C3 | 10/29/2020 | CHROMIUM | 12 | UG/L |
| Banning-C3 | 3/10/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C3 | 5/23/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C3 | 8/11/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C3 | 11/15/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C3 | 10/29/2020 | COPPER, FREE | < 50 | UG/L |
| Banning-C3 | 10/29/2020 | FLUORIDE | 0.34 | MG/L |
| Banning-C3 | 10/29/2020 | HARDNESS, TOTAL (AS CaCO3) | 100 | MG/L |
| Banning-C3 | 10/29/2020 | IRON | 140 | UG/L |
| Banning-C3 | 10/29/2020 | LEAD | < 5 | UG/L |
| Banning-C3 | 10/29/2020 | MAGNESIUM | 5.7 | MG/L |
| Banning-C3 | 10/29/2020 | MANGANESE | < 20 | UG/L |
| Banning-C3 | 10/29/2020 | MERCURY | < 1 | UG/L |
| Banning-C3 | 10/29/2020 | NICKEL | < 10 | UG/L |
| Banning-C3 | 1/23/2019 | NITRATE | 1.8 | MG/L |
| Banning-C3 | 10/29/2020 | NITRATE | 1.7 | MG/L |
| Banning-C3 | 1/19/2022 | NITRATE | 2.0 | MG/L |
| Banning-C3 | 1/18/2023 | NITRATE | 1.6 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| Banning-C3 | 1/23/2019 | NITRITE | < 0.4 | MG/L |
| Banning-C3 | 10/29/2020 | NITRITE | < 0.4 | MG/L |
| Banning-C3 | 1/19/2022 | NITRITE | < 0.4 | MG/L |
| Banning-C3 | 1/18/2023 | NITRITE | < 0.4 | MG/L |
| Banning-C3 | 10/29/2020 | PERCHLORATE | < 2 | UG/L |
| Banning-C3 | 10/29/2020 | PH | 8.1 | PH |
| Banning-C3 | 10/29/2020 | POTASSIUM | 1.6 | MG/L |
| Banning-C3 | 10/29/2020 | SELENIUM | < 5 | UG/L |
| Banning-C3 | 10/29/2020 | SILVER | < 10 | UG/L |
| Banning-C3 | 10/29/2020 | SODIUM | 29 | MG/L |
| Banning-C3 | 10/29/2020 | SULFATE | 6 | MG/L |
| Banning-C3 | 10/29/2020 | TDS | 170 | MG/L |
| Banning-C3 | 10/29/2020 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C3 | 10/29/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| Banning-C3 | 10/29/2020 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C3 | 10/29/2020 | ZINC | < 50 | UG/L |
| Banning-C4 | 3/11/2020 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| Banning-C4 | 4/17/2023 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| Banning-C4 | 3/11/2020 | ALKALINITY, BICARBONATE | 150 | MG/L |
| Banning-C4 | 4/17/2023 | ALKALINITY, BICARBONATE | 150 | MG/L |
| Banning-C4 | 3/11/2020 | ALKALINITY, TOTAL | 150 | MG/L |
| Banning-C4 | 4/17/2023 | ALKALINITY, TOTAL | 150 | MG/L |
| Banning-C4 | 3/11/2020 | ALUMINUM | < 50 | UG/L |
| Banning-C4 | 4/17/2023 | ALUMINUM | < 50 | UG/L |
| Banning-C4 | 3/11/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| Banning-C4 | 4/17/2023 | ANTIMONY, TOTAL | < 6 | UG/L |
| Banning-C4 | 3/11/2020 | ARSENIC | < 2 | UG/L |
| Banning-C4 | 4/17/2023 | ARSENIC | < 2 | UG/L |
| Banning-C4 | 3/11/2020 | ASBESTOS | < 0.2 | MFL |
| Banning-C4 | 4/17/2023 | ASBESTOS | < 0.2 | MFL |
| Banning-C4 | 3/11/2020 | BARIUM | < 100 | UG/L |
| Banning-C4 | 4/17/2023 | BARIUM | < 100 | UG/L |
| Banning-C4 | 3/11/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Banning-C4 | 4/17/2023 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Banning-C4 | 3/11/2020 | CADMIUM | < 1 | UG/L |
| Banning-C4 | 4/17/2023 | CADMIUM | < 1 | UG/L |
| Banning-C4 | 3/11/2020 | CALCIUM | 36 | MG/L |
| Banning-C4 | 4/17/2023 | CALCIUM | 26 | MG/L |
| Banning-C4 | 3/11/2020 | CHLORIDE | 8 | MG/L |
| Banning-C4 | 4/17/2023 | CHLORIDE | 10 | MG/L |
| Banning-C4 | 3/11/2020 | CHROMIUM | 16 | UG/L |
| Banning-C4 | 4/17/2023 | CHROMIUM | 12 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|----------------------------|---------------|--------------|
| Banning-C4 | 6/28/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C4 | 8/11/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C4 | 11/14/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C4 | 4/17/2023 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-C4 | 3/11/2020 | COPPER, FREE | < 50 | UG/L |
| Banning-C4 | 4/17/2023 | COPPER, FREE | < 50 | UG/L |
| Banning-C4 | 3/11/2020 | FLUORIDE | 0.25 | MG/L |
| Banning-C4 | 4/17/2023 | FLUORIDE | 0.41 | MG/L |
| Banning-C4 | 3/11/2020 | HARDNESS, TOTAL (AS CaCO3) | 120 | MG/L |
| Banning-C4 | 4/17/2023 | HARDNESS, TOTAL (AS CaCO3) | 90 | MG/L |
| Banning-C4 | 3/11/2020 | IRON | < 100 | UG/L |
| Banning-C4 | 4/17/2023 | IRON | < 100 | UG/L |
| Banning-C4 | 3/11/2020 | LEAD | < 5 | UG/L |
| Banning-C4 | 4/17/2023 | LEAD | < 5 | UG/L |
| Banning-C4 | 3/11/2020 | MAGNESIUM | 7.2 | MG/L |
| Banning-C4 | 4/17/2023 | MAGNESIUM | 6.0 | MG/L |
| Banning-C4 | 3/11/2020 | MANGANESE | < 20 | UG/L |
| Banning-C4 | 4/17/2023 | MANGANESE | < 20 | UG/L |
| Banning-C4 | 3/11/2020 | MERCURY | < 1 | UG/L |
| Banning-C4 | 4/17/2023 | MERCURY | < 1 | UG/L |
| Banning-C4 | 3/11/2020 | NICKEL | < 10 | UG/L |
| Banning-C4 | 4/17/2023 | NICKEL | < 10 | UG/L |
| Banning-C4 | 1/23/2019 | NITRATE | 1.0 | MG/L |
| Banning-C4 | 1/30/2020 | NITRATE | 0.9 | MG/L |
| Banning-C4 | 3/11/2020 | NITRATE | 1.0 | MG/L |
| Banning-C4 | 1/6/2021 | NITRATE | 0.9 | MG/L |
| Banning-C4 | 1/6/2021 | NITRATE | 0.9 | MG/L |
| Banning-C4 | 6/28/2022 | NITRATE | 1.5 | MG/L |
| Banning-C4 | 4/17/2023 | NITRATE | 1.4 | MG/L |
| Banning-C4 | 1/23/2019 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 1/30/2020 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 3/11/2020 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 6/28/2022 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 4/17/2023 | NITRITE | < 0.4 | MG/L |
| Banning-C4 | 3/11/2020 | PERCHLORATE | < 2 | UG/L |
| Banning-C4 | 4/17/2023 | PERCHLORATE | < 2 | UG/L |
| Banning-C4 | 3/11/2020 | PH | 8.1 | PH |
| Banning-C4 | 4/17/2023 | PH | 8.0 | PH |
| Banning-C4 | 3/11/2020 | POTASSIUM | 1.5 | MG/L |
| Banning-C4 | 4/17/2023 | POTASSIUM | 1.1 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| Banning-C4 | 3/11/2020 | SELENIUM | < 5 | UG/L |
| Banning-C4 | 4/17/2023 | SELENIUM | < 5 | UG/L |
| Banning-C4 | 3/11/2020 | SILVER | < 10 | UG/L |
| Banning-C4 | 4/17/2023 | SILVER | < 10 | UG/L |
| Banning-C4 | 3/11/2020 | SODIUM | 27 | MG/L |
| Banning-C4 | 4/17/2023 | SODIUM | 32 | MG/L |
| Banning-C4 | 3/11/2020 | SULFATE | 12 | MG/L |
| Banning-C4 | 4/17/2023 | SULFATE | 14 | MG/L |
| Banning-C4 | 3/11/2020 | TDS | 200 | MG/L |
| Banning-C4 | 4/17/2023 | TDS | 180 | MG/L |
| Banning-C4 | 3/11/2020 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C4 | 4/17/2023 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C4 | 3/11/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| Banning-C4 | 4/17/2023 | THALLIUM, TOTAL | < 1 | UG/L |
| Banning-C4 | 3/11/2020 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C4 | 4/17/2023 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| Banning-C4 | 3/11/2020 | ZINC | < 50 | UG/L |
| Banning-C4 | 4/17/2023 | ZINC | < 50 | UG/L |
| Banning-M3 | 2/11/2021 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| Banning-M3 | 2/11/2021 | ALKALINITY, BICARBONATE | 170 | MG/L |
| Banning-M3 | 2/11/2021 | ALKALINITY, TOTAL | 170 | MG/L |
| Banning-M3 | 2/11/2021 | ALUMINUM | < 50 | UG/L |
| Banning-M3 | 2/11/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| Banning-M3 | 2/11/2021 | ARSENIC | < 2 | UG/L |
| Banning-M3 | 2/11/2021 | ASBESTOS | < 0.2 | MFL |
| Banning-M3 | 2/11/2021 | BARIUM | < 100 | UG/L |
| Banning-M3 | 2/11/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Banning-M3 | 2/11/2021 | CADMIUM | < 1 | UG/L |
| Banning-M3 | 2/11/2021 | CALCIUM | 37 | MG/L |
| Banning-M3 | 2/11/2021 | CHLORIDE | 16 | MG/L |
| Banning-M3 | 2/11/2021 | CHROMIUM | | UG/L |
| Banning-M3 | 3/10/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-M3 | 5/23/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-M3 | 8/11/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-M3 | 11/14/2022 | COMBINED URANIUM | < 1 | PCI/L |
| Banning-M3 | 2/11/2021 | COPPER, FREE | < 50 | UG/L |
| Banning-M3 | 2/11/2021 | FLUORIDE | 0.32 | MG/L |
| Banning-M3 | 2/11/2021 | HARDNESS, TOTAL (AS CaCO3) | 150 | MG/L |
| Banning-M3 | 2/11/2021 | IRON | < 100 | UG/L |
| Banning-M3 | 2/11/2021 | LEAD | < 5 | UG/L |
| Banning-M3 | 2/11/2021 | MAGNESIUM | 13.0 | MG/L |
| Banning-M3 | 2/11/2021 | MANGANESE | < 20 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| Banning-M3 | 2/11/2021 | MERCURY | < 1 | UG/L |
| Banning-M3 | 2/11/2021 | NICKEL | < 10 | UG/L |
| Banning-M3 | 1/23/2019 | NITRATE | 2.2 | MG/L |
| Banning-M3 | 1/30/2020 | NITRATE | 1.6 | MG/L |
| Banning-M3 | 1/6/2021 | NITRATE | 2.1 | MG/L |
| Banning-M3 | 1/6/2021 | NITRATE | 2.1 | MG/L |
| Banning-M3 | 2/11/2021 | NITRATE | 2.3 | MG/L |
| Banning-M3 | 1/19/2022 | NITRATE | 2.3 | MG/L |
| Banning-M3 | 1/18/2023 | NITRATE | 2.1 | MG/L |
| Banning-M3 | 1/23/2019 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 1/30/2020 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 1/6/2021 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 2/11/2021 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 1/19/2022 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 1/18/2023 | NITRITE | < 0.4 | MG/L |
| Banning-M3 | 2/11/2021 | PERCHLORATE | < 2 | UG/L |
| Banning-M3 | 2/11/2021 | PH | 8.1 | PH |
| Banning-M3 | 2/11/2021 | POTASSIUM | 2.2 | MG/L |
| Banning-M3 | 2/11/2021 | SELENIUM | < 5 | UG/L |
| Banning-M3 | 2/11/2021 | SILVER | < 10 | UG/L |
| Banning-M3 | 2/11/2021 | SODIUM | 39 | MG/L |
| Banning-M3 | 2/11/2021 | SULFATE | 33 | MG/L |
| Banning-M3 | 2/11/2021 | TDS | 260 | MG/L |
| Banning-M3 | 2/11/2021 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| Banning-M3 | 2/11/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| Banning-M3 | 2/11/2021 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| Banning-M3 | 2/11/2021 | ZINC | < 50 | UG/L |
| BCVWD-16 | 12/4/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-16 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-16 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-16 | 12/4/2019 | ALKALINITY, BICARBONATE | 180 | MG/L |
| BCVWD-16 | 11/30/2022 | ALKALINITY, BICARBONATE | 190 | MG/L |
| BCVWD-16 | 12/4/2019 | ALKALINITY, TOTAL | 180 | MG/L |
| BCVWD-16 | 11/30/2022 | ALKALINITY, TOTAL | 190 | MG/L |
| BCVWD-16 | 12/4/2019 | ALUMINUM | < 50 | UG/L |
| BCVWD-16 | 11/30/2022 | ALUMINUM | < 50 | UG/L |
| BCVWD-16 | 12/4/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-16 | 11/30/2022 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-16 | 12/4/2019 | ARSENIC | < 2 | UG/L |
| BCVWD-16 | 11/30/2022 | ARSENIC | < 2 | UG/L |
| BCVWD-16 | 12/4/2019 | BARIUM | < 100 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|----------------------------|---------------|--------------|
| BCVWD-16 | 11/30/2022 | BARIUM | < 100 | UG/L |
| BCVWD-16 | 12/4/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-16 | 11/30/2022 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-16 | 12/4/2019 | CADMIUM | < 1 | UG/L |
| BCVWD-16 | 11/30/2022 | CADMIUM | < 1 | UG/L |
| BCVWD-16 | 12/4/2019 | CALCIUM | 54 | MG/L |
| BCVWD-16 | 11/30/2022 | CALCIUM | 53 | MG/L |
| BCVWD-16 | 12/4/2019 | CHLORIDE | 46 | MG/L |
| BCVWD-16 | 11/30/2022 | CHLORIDE | 34 | MG/L |
| BCVWD-16 | 12/4/2019 | CHROMIUM | | UG/L |
| BCVWD-16 | 11/30/2022 | CHROMIUM | | UG/L |
| BCVWD-16 | 12/4/2019 | COPPER, FREE | < 50 | UG/L |
| BCVWD-16 | 11/30/2022 | COPPER, FREE | < 50 | UG/L |
| BCVWD-16 | 12/4/2019 | FLUORIDE | 0.64 | MG/L |
| BCVWD-16 | 11/30/2022 | FLUORIDE | 0.64 | MG/L |
| BCVWD-16 | 12/4/2019 | HARDNESS, TOTAL (AS CaCO3) | 220 | MG/L |
| BCVWD-16 | 11/30/2022 | HARDNESS, TOTAL (AS CaCO3) | 210 | MG/L |
| BCVWD-16 | 12/4/2019 | IRON | < 100 | UG/L |
| BCVWD-16 | 11/30/2022 | IRON | < 100 | UG/L |
| BCVWD-16 | 12/4/2019 | LEAD | < 5 | UG/L |
| BCVWD-16 | 11/30/2022 | LEAD | < 5 | UG/L |
| BCVWD-16 | 12/4/2019 | MAGNESIUM | 20 | MG/L |
| BCVWD-16 | 11/30/2022 | MAGNESIUM | 19 | MG/L |
| BCVWD-16 | 12/4/2019 | MANGANESE | < 20 | UG/L |
| BCVWD-16 | 11/30/2022 | MANGANESE | < 20 | UG/L |
| BCVWD-16 | 12/4/2019 | MERCURY | < 1 | UG/L |
| BCVWD-16 | 11/30/2022 | MERCURY | < 1 | UG/L |
| BCVWD-16 | 12/4/2019 | NICKEL | < 10 | UG/L |
| BCVWD-16 | 11/30/2022 | NICKEL | < 10 | UG/L |
| BCVWD-16 | 10/1/2019 | NITRATE | 6.9 | MG/L |
| BCVWD-16 | 12/4/2019 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 5/26/2020 | NITRATE | 7.0 | MG/L |
| BCVWD-16 | 6/16/2020 | NITRATE | 6.8 | MG/L |
| BCVWD-16 | 7/27/2020 | NITRATE | 6.7 | MG/L |
| BCVWD-16 | 10/27/2020 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 12/10/2020 | NITRATE | 6.2 | MG/L |
| BCVWD-16 | 2/9/2021 | NITRATE | 6.2 | MG/L |
| BCVWD-16 | 3/23/2021 | NITRATE | 5.3 | MG/L |
| BCVWD-16 | 4/29/2021 | NITRATE | 6.0 | MG/L |
| BCVWD-16 | 5/26/2021 | NITRATE | 6.7 | MG/L |
| BCVWD-16 | 6/29/2021 | NITRATE | 6.3 | MG/L |
| BCVWD-16 | 7/28/2021 | NITRATE | 6.1 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|---------------------|---------------|--------------|
| BCVWD-16 | 8/23/2021 | NITRATE | 5.7 | MG/L |
| BCVWD-16 | 9/21/2021 | NITRATE | 6.3 | MG/L |
| BCVWD-16 | 10/28/2021 | NITRATE | 5.7 | MG/L |
| BCVWD-16 | 11/23/2021 | NITRATE | 5.7 | MG/L |
| BCVWD-16 | 12/9/2021 | NITRATE | 6.1 | MG/L |
| BCVWD-16 | 1/26/2022 | NITRATE | 5.7 | MG/L |
| BCVWD-16 | 2/23/2022 | NITRATE | 5.6 | MG/L |
| BCVWD-16 | 3/23/2022 | NITRATE | 5.4 | MG/L |
| BCVWD-16 | 4/28/2022 | NITRATE | 5.5 | MG/L |
| BCVWD-16 | 5/24/2022 | NITRATE | 5.4 | MG/L |
| BCVWD-16 | 6/22/2022 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 7/28/2022 | NITRATE | 4.7 | MG/L |
| BCVWD-16 | 9/22/2022 | NITRATE | 4.7 | MG/L |
| BCVWD-16 | 10/25/2022 | NITRATE | 4.8 | MG/L |
| BCVWD-16 | 11/28/2022 | NITRATE | 5.0 | MG/L |
| BCVWD-16 | 11/30/2022 | NITRATE | 4.8 | MG/L |
| BCVWD-16 | 12/20/2022 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 2/1/2023 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 3/7/2023 | NITRATE | 5.0 | MG/L |
| BCVWD-16 | 4/25/2023 | NITRATE | 5.0 | MG/L |
| BCVWD-16 | 5/16/2023 | NITRATE | 5.1 | MG/L |
| BCVWD-16 | 6/21/2023 | NITRATE | 5.0 | MG/L |
| BCVWD-16 | 7/26/2023 | NITRATE | 4.7 | MG/L |
| BCVWD-16 | 8/31/2023 | NITRATE | 4.4 | MG/L |
| BCVWD-16 | 9/19/2023 | NITRATE | 4.6 | MG/L |
| BCVWD-16 | 10/23/2023 | NITRATE | 4.7 | MG/L |
| BCVWD-16 | 11/22/2023 | NITRATE | 4.2 | MG/L |
| BCVWD-16 | 12/4/2019 | NITRITE | < 0.4 | MG/L |
| BCVWD-16 | 11/30/2022 | NITRITE | < 0.4 | MG/L |
| BCVWD-16 | 12/4/2019 | PERCHLORATE | < 2 | UG/L |
| BCVWD-16 | 11/30/2022 | PERCHLORATE | < 2 | UG/L |
| BCVWD-16 | 12/4/2019 | PH | 8.2 | PH |
| BCVWD-16 | 11/30/2022 | PH | 7.9 | PH |
| BCVWD-16 | 12/4/2019 | POTASSIUM | 1.3 | MG/L |
| BCVWD-16 | 11/30/2022 | POTASSIUM | 1.4 | MG/L |
| BCVWD-16 | 12/4/2019 | SELENIUM | < 5 | UG/L |
| BCVWD-16 | 11/30/2022 | SELENIUM | < 5 | UG/L |
| BCVWD-16 | 12/4/2019 | SILVER | < 10 | UG/L |
| BCVWD-16 | 11/30/2022 | SILVER | < 10 | UG/L |
| BCVWD-16 | 12/4/2019 | SODIUM | 35 | MG/L |
| BCVWD-16 | 11/30/2022 | SODIUM | 37 | MG/L |
| BCVWD-16 | 12/4/2019 | SULFATE | 45 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|----------|-------------|-----------------------------|--------|-------|
| BCVWD-16 | 11/30/2022 | SULFATE | 48 | MG/L |
| BCVWD-16 | 12/4/2019 | TDS | 350 | MG/L |
| BCVWD-16 | 11/30/2022 | TDS | 330 | MG/L |
| BCVWD-16 | 12/4/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-16 | 11/30/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-16 | 12/4/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-16 | 11/30/2022 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-16 | 12/4/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-16 | 11/30/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-16 | 12/4/2019 | ZINC | < 50 | UG/L |
| BCVWD-16 | 11/30/2022 | ZINC | < 50 | UG/L |
| BCVWD-21 | 12/4/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-21 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-21 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-21 | 12/9/2021 | ALKALINITY, BICARBONATE | 170 | MG/L |
| BCVWD-21 | 12/9/2021 | ALKALINITY, TOTAL | 170 | MG/L |
| BCVWD-21 | 12/9/2021 | ALUMINIUM | < 50 | UG/L |
| BCVWD-21 | 12/9/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-21 | 12/9/2021 | ARSENIC | < 2 | UG/L |
| BCVWD-21 | 12/9/2021 | BARIUM | 22 | UG/L |
| BCVWD-21 | 12/9/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-21 | 12/9/2021 | CADMIUM | < 1 | UG/L |
| BCVWD-21 | 12/9/2021 | CALCIUM | 53 | MG/L |
| BCVWD-21 | 12/9/2021 | CHLORIDE | 32 | MG/L |
| BCVWD-21 | 12/9/2021 | CHROMIUM | 2 | UG/L |
| BCVWD-21 | 12/10/2020 | COMBINED URANIUM | 1.00 | PCI/L |
| BCVWD-21 | 12/9/2021 | COPPER, FREE | < 50 | UG/L |
| BCVWD-21 | 12/9/2021 | FLUORIDE | 0.49 | MG/L |
| BCVWD-21 | 12/9/2021 | HARDNESS, TOTAL (AS CaCO3) | 210 | MG/L |
| BCVWD-21 | 12/9/2021 | IRON | < 100 | UG/L |
| BCVWD-21 | 12/9/2021 | LEAD | < 5 | UG/L |
| BCVWD-21 | 12/9/2021 | MAGNESIUM | 19 | MG/L |
| BCVWD-21 | 12/9/2021 | MANGANESE | < 20 | UG/L |
| BCVWD-21 | 12/9/2021 | MERCURY | < 1 | UG/L |
| BCVWD-21 | 12/9/2021 | NICKEL | < 10 | UG/L |
| BCVWD-21 | 10/1/2019 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 12/4/2019 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 7/27/2020 | NITRATE | 3.2 | MG/L |
| BCVWD-21 | 10/27/2020 | NITRATE | 3.1 | MG/L |
| BCVWD-21 | 12/10/2020 | NITRATE | 3.1 | MG/L |
| BCVWD-21 | 2/9/2021 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 3/23/2021 | NITRATE | 3.0 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|---------------------|---------------|--------------|
| BCVWD-21 | 4/29/2021 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 5/26/2021 | NITRATE | 3.2 | MG/L |
| BCVWD-21 | 6/29/2021 | NITRATE | 3.2 | MG/L |
| BCVWD-21 | 7/28/2021 | NITRATE | 3.1 | MG/L |
| BCVWD-21 | 8/23/2021 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 9/21/2021 | NITRATE | 3.3 | MG/L |
| BCVWD-21 | 10/28/2021 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 11/23/2021 | NITRATE | 3.1 | MG/L |
| BCVWD-21 | 12/9/2021 | NITRATE | 3.3 | MG/L |
| BCVWD-21 | 1/26/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 2/23/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 3/23/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 4/28/2022 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 5/24/2022 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 6/22/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 7/28/2022 | NITRATE | 2.7 | MG/L |
| BCVWD-21 | 9/22/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 10/25/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 11/28/2022 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 11/30/2022 | NITRATE | 2.8 | MG/L |
| BCVWD-21 | 12/20/2022 | NITRATE | 3.0 | MG/L |
| BCVWD-21 | 2/1/2023 | NITRATE | 2.6 | MG/L |
| BCVWD-21 | 3/7/2023 | NITRATE | 2.7 | MG/L |
| BCVWD-21 | 4/25/2023 | NITRATE | 2.8 | MG/L |
| BCVWD-21 | 5/16/2023 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 6/21/2023 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 7/26/2023 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 8/31/2023 | NITRATE | 2.8 | MG/L |
| BCVWD-21 | 9/19/2023 | NITRATE | 2.9 | MG/L |
| BCVWD-21 | 10/23/2023 | NITRATE | 1.5 | MG/L |
| BCVWD-21 | 12/9/2021 | NITRITE | < 0.4 | MG/L |
| BCVWD-21 | 12/9/2021 | PERCHLORATE | < 2 | UG/L |
| BCVWD-21 | 12/9/2021 | PH | 8.1 | PH |
| BCVWD-21 | 12/9/2021 | POTASSIUM | 1.8 | MG/L |
| BCVWD-21 | 12/9/2021 | SELENIUM | < 5 | UG/L |
| BCVWD-21 | 12/9/2021 | SILVER | < 10 | UG/L |
| BCVWD-21 | 12/9/2021 | SODIUM | 25 | MG/L |
| BCVWD-21 | 12/9/2021 | SULFATE | 31 | MG/L |
| BCVWD-21 | 12/9/2021 | TDS | 260 | MG/L |
| BCVWD-21 | 12/4/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-21 | 11/30/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-21 | 12/9/2021 | THALLIUM, TOTAL | < 1 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|----------|-------------|-----------------------------|--------|-------|
| BCVWD-21 | 12/4/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-21 | 11/30/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-21 | 12/9/2021 | ZINC | < 50 | UG/L |
| BCVWD-22 | 12/4/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-22 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-22 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-22 | 12/4/2019 | ALKALINITY, BICARBONATE | 180 | MG/L |
| BCVWD-22 | 11/30/2022 | ALKALINITY, BICARBONATE | 200 | MG/L |
| BCVWD-22 | 12/4/2019 | ALKALINITY, TOTAL | 180 | MG/L |
| BCVWD-22 | 11/30/2022 | ALKALINITY, TOTAL | 200 | MG/L |
| BCVWD-22 | 12/4/2019 | ALUMINUM | < 50 | UG/L |
| BCVWD-22 | 11/30/2022 | ALUMINUM | < 50 | UG/L |
| BCVWD-22 | 12/4/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-22 | 11/30/2022 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-22 | 12/4/2019 | ARSENIC | < 2 | UG/L |
| BCVWD-22 | 11/30/2022 | ARSENIC | < 2 | UG/L |
| BCVWD-22 | 12/4/2019 | BARIUM | < 100 | UG/L |
| BCVWD-22 | 11/30/2022 | BARIUM | < 100 | UG/L |
| BCVWD-22 | 12/4/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-22 | 11/30/2022 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-22 | 12/4/2019 | CADMIUM | < 1 | UG/L |
| BCVWD-22 | 11/30/2022 | CADMIUM | < 1 | UG/L |
| BCVWD-22 | 12/4/2019 | CALCIUM | 38 | MG/L |
| BCVWD-22 | 11/30/2022 | CALCIUM | 40 | MG/L |
| BCVWD-22 | 12/4/2019 | CHLORIDE | 8 | MG/L |
| BCVWD-22 | 11/30/2022 | CHLORIDE | 8 | MG/L |
| BCVWD-22 | 12/4/2019 | CHROMIUM | | UG/L |
| BCVWD-22 | 11/30/2022 | CHROMIUM | | UG/L |
| BCVWD-22 | 12/4/2019 | COPPER, FREE | < 50 | UG/L |
| BCVWD-22 | 11/30/2022 | COPPER, FREE | < 50 | UG/L |
| BCVWD-22 | 12/4/2019 | FLUORIDE | 0.31 | MG/L |
| BCVWD-22 | 11/30/2022 | FLUORIDE | 0.32 | MG/L |
| BCVWD-22 | 12/4/2019 | HARDNESS, TOTAL (AS CaCO3) | 160 | MG/L |
| BCVWD-22 | 11/30/2022 | HARDNESS, TOTAL (AS CaCO3) | 170 | MG/L |
| BCVWD-22 | 12/4/2019 | IRON | < 100 | UG/L |
| BCVWD-22 | 11/30/2022 | IRON | < 100 | UG/L |
| BCVWD-22 | 12/4/2019 | LEAD | < 5 | UG/L |
| BCVWD-22 | 11/30/2022 | LEAD | < 5 | UG/L |
| BCVWD-22 | 12/4/2019 | MAGNESIUM | 16 | MG/L |
| BCVWD-22 | 11/30/2022 | MAGNESIUM | 17 | MG/L |
| BCVWD-22 | 12/4/2019 | MANGANESE | < 20 | UG/L |
| BCVWD-22 | 11/30/2022 | MANGANESE | < 20 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| BCVWD-22 | 12/4/2019 | MERCURY | < 1 | UG/L |
| BCVWD-22 | 11/30/2022 | MERCURY | < 1 | UG/L |
| BCVWD-22 | 12/4/2019 | NICKEL | < 10 | UG/L |
| BCVWD-22 | 11/30/2022 | NICKEL | < 10 | UG/L |
| BCVWD-22 | 12/4/2019 | NITRATE | 0.9 | MG/L |
| BCVWD-22 | 12/10/2020 | NITRATE | 0.9 | MG/L |
| BCVWD-22 | 12/9/2021 | NITRATE | 1.3 | MG/L |
| BCVWD-22 | 11/30/2022 | NITRATE | 1.4 | MG/L |
| BCVWD-22 | 11/22/2023 | NITRATE | 1.5 | MG/L |
| BCVWD-22 | 12/4/2019 | NITRITE | < 0.4 | MG/L |
| BCVWD-22 | 11/30/2022 | NITRITE | < 0.4 | MG/L |
| BCVWD-22 | 12/4/2019 | PERCHLORATE | < 2 | UG/L |
| BCVWD-22 | 11/30/2022 | PERCHLORATE | < 2 | UG/L |
| BCVWD-22 | 12/4/2019 | PH | 8.1 | PH |
| BCVWD-22 | 11/30/2022 | PH | 8.0 | PH |
| BCVWD-22 | 12/4/2019 | POTASSIUM | 1.3 | MG/L |
| BCVWD-22 | 11/30/2022 | POTASSIUM | 1.5 | MG/L |
| BCVWD-22 | 12/4/2019 | SELENIUM | < 5 | UG/L |
| BCVWD-22 | 11/30/2022 | SELENIUM | < 5 | UG/L |
| BCVWD-22 | 12/4/2019 | SILVER | < 10 | UG/L |
| BCVWD-22 | 11/30/2022 | SILVER | < 10 | UG/L |
| BCVWD-22 | 12/4/2019 | SODIUM | 18 | MG/L |
| BCVWD-22 | 11/30/2022 | SODIUM | 18 | MG/L |
| BCVWD-22 | 12/4/2019 | SULFATE | 10 | MG/L |
| BCVWD-22 | 11/30/2022 | SULFATE | 11 | MG/L |
| BCVWD-22 | 12/4/2019 | TDS | 220 | MG/L |
| BCVWD-22 | 11/30/2022 | TDS | 200 | MG/L |
| BCVWD-22 | 12/4/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-22 | 11/30/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-22 | 12/4/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-22 | 11/30/2022 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-22 | 12/4/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-22 | 11/30/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-22 | 12/4/2019 | ZINC | < 50 | UG/L |
| BCVWD-22 | 11/30/2022 | ZINC | < 50 | UG/L |
| BCVWD-23 | 6/27/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | 0.048 | UG/L |
| BCVWD-23 | 12/15/2021 | 1,2-DIBROMO-3-CHLOROPROPANE | 0.024 | UG/L |
| BCVWD-23 | 6/23/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | 0.033 | UG/L |
| BCVWD-23 | 12/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | 0.028 | UG/L |
| BCVWD-23 | 12/15/2021 | ALKALINITY, BICARBONATE | 150 | MG/L |
| BCVWD-23 | 12/15/2021 | ALKALINITY, TOTAL | 150 | MG/L |
| BCVWD-23 | 12/15/2021 | ALUMINUM | < 50 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| BCVWD-23 | 12/15/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-23 | 12/15/2021 | ARSENIC | < 2 | UG/L |
| BCVWD-23 | 12/15/2021 | BARIUM | 27 | UG/L |
| BCVWD-23 | 12/15/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-23 | 12/15/2021 | CADMIUM | < 1 | UG/L |
| BCVWD-23 | 12/15/2021 | CALCIUM | 49 | MG/L |
| BCVWD-23 | 12/15/2021 | CHLORIDE | 46 | MG/L |
| BCVWD-23 | 12/15/2021 | CHROMIUM | 5 | UG/L |
| BCVWD-23 | 12/15/2021 | COPPER, FREE | < 50 | UG/L |
| BCVWD-23 | 12/15/2021 | FLUORIDE | 0.41 | MG/L |
| BCVWD-23 | 12/15/2021 | HARDNESS, TOTAL (AS CaCO3) | 200 | MG/L |
| BCVWD-23 | 12/15/2021 | IRON | < 100 | UG/L |
| BCVWD-23 | 12/15/2021 | LEAD | < 5 | UG/L |
| BCVWD-23 | 12/15/2021 | MAGNESIUM | 18 | MG/L |
| BCVWD-23 | 12/15/2021 | MANGANESE | < 20 | UG/L |
| BCVWD-23 | 12/15/2021 | MERCURY | < 1 | UG/L |
| BCVWD-23 | 12/15/2021 | NICKEL | < 10 | UG/L |
| BCVWD-23 | 12/4/2019 | NITRATE | 2.1 | MG/L |
| BCVWD-23 | 12/10/2020 | NITRATE | 1.9 | MG/L |
| BCVWD-23 | 12/15/2021 | NITRATE | 2.2 | MG/L |
| BCVWD-23 | 12/22/2022 | NITRATE | 1.8 | MG/L |
| BCVWD-23 | 11/22/2023 | NITRATE | 1.6 | MG/L |
| BCVWD-23 | 12/15/2021 | NITRITE | < 0.4 | MG/L |
| BCVWD-23 | 12/15/2021 | PERCHLORATE | < 2 | UG/L |
| BCVWD-23 | 12/15/2021 | PH | 8.0 | PH |
| BCVWD-23 | 12/15/2021 | POTASSIUM | 1.5 | MG/L |
| BCVWD-23 | 12/15/2021 | SELENIUM | < 5 | UG/L |
| BCVWD-23 | 12/15/2021 | SILVER | < 10 | UG/L |
| BCVWD-23 | 12/15/2021 | SODIUM | 20 | MG/L |
| BCVWD-23 | 12/15/2021 | SULFATE | 25 | MG/L |
| BCVWD-23 | 12/15/2021 | TDS | 270 | MG/L |
| BCVWD-23 | 12/15/2021 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-23 | 12/15/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-23 | 12/15/2021 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-23 | 12/15/2021 | ZINC | < 50 | UG/L |
| BCVWD-24 | 12/4/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-24 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-24 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-24 | 12/4/2019 | ALKALINITY, BICARBONATE | 160 | MG/L |
| BCVWD-24 | 11/30/2022 | ALKALINITY, BICARBONATE | 170 | MG/L |
| BCVWD-24 | 12/4/2019 | ALKALINITY, TOTAL | 160 | MG/L |
| BCVWD-24 | 11/30/2022 | ALKALINITY, TOTAL | 170 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|----------|-------------|----------------------------|--------|-------|
| BCVWD-24 | 12/4/2019 | ALUMINUM | < 50 | UG/L |
| BCVWD-24 | 11/30/2022 | ALUMINUM | < 50 | UG/L |
| BCVWD-24 | 12/4/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-24 | 11/30/2022 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-24 | 12/4/2019 | ARSENIC | < 2 | UG/L |
| BCVWD-24 | 11/30/2022 | ARSENIC | < 2 | UG/L |
| BCVWD-24 | 12/4/2019 | BARIUM | < 100 | UG/L |
| BCVWD-24 | 11/30/2022 | BARIUM | < 100 | UG/L |
| BCVWD-24 | 12/4/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-24 | 11/30/2022 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-24 | 12/4/2019 | CADMIUM | < 1 | UG/L |
| BCVWD-24 | 11/30/2022 | CADMIUM | < 1 | UG/L |
| BCVWD-24 | 12/4/2019 | CALCIUM | 35 | MG/L |
| BCVWD-24 | 11/30/2022 | CALCIUM | 38 | MG/L |
| BCVWD-24 | 12/4/2019 | CHLORIDE | 7 | MG/L |
| BCVWD-24 | 11/30/2022 | CHLORIDE | 7 | MG/L |
| BCVWD-24 | 12/4/2019 | CHROMIUM | | UG/L |
| BCVWD-24 | 11/30/2022 | CHROMIUM | | UG/L |
| BCVWD-24 | 12/4/2019 | COPPER, FREE | < 50 | UG/L |
| BCVWD-24 | 11/30/2022 | COPPER, FREE | < 50 | UG/L |
| BCVWD-24 | 12/4/2019 | FLUORIDE | 0.35 | MG/L |
| BCVWD-24 | 11/30/2022 | FLUORIDE | 0.38 | MG/L |
| BCVWD-24 | 12/4/2019 | HARDNESS, TOTAL (AS CaCO3) | 140 | MG/L |
| BCVWD-24 | 11/30/2022 | HARDNESS, TOTAL (AS CaCO3) | 150 | MG/L |
| BCVWD-24 | 12/4/2019 | IRON | < 100 | UG/L |
| BCVWD-24 | 11/30/2022 | IRON | < 100 | UG/L |
| BCVWD-24 | 12/4/2019 | LEAD | < 5 | UG/L |
| BCVWD-24 | 11/30/2022 | LEAD | < 5 | UG/L |
| BCVWD-24 | 12/4/2019 | MAGNESIUM | 12 | MG/L |
| BCVWD-24 | 11/30/2022 | MAGNESIUM | 13 | MG/L |
| BCVWD-24 | 12/4/2019 | MANGANESE | < 20 | UG/L |
| BCVWD-24 | 11/30/2022 | MANGANESE | < 20 | UG/L |
| BCVWD-24 | 12/4/2019 | MERCURY | < 1 | UG/L |
| BCVWD-24 | 11/30/2022 | MERCURY | < 1 | UG/L |
| BCVWD-24 | 12/4/2019 | NICKEL | < 10 | UG/L |
| BCVWD-24 | 11/30/2022 | NICKEL | < 10 | UG/L |
| BCVWD-24 | 12/4/2019 | NITRATE | 1.7 | MG/L |
| BCVWD-24 | 12/10/2020 | NITRATE | 1.0 | MG/L |
| BCVWD-24 | 12/9/2021 | NITRATE | 1.6 | MG/L |
| BCVWD-24 | 11/30/2022 | NITRATE | 1.9 | MG/L |
| BCVWD-24 | 11/22/2023 | NITRATE | 1.9 | MG/L |
| BCVWD-24 | 12/4/2019 | NITRITE | < 0.4 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|----------|-------------|-----------------------------|--------|-------|
| BCVWD-24 | 11/30/2022 | NITRITE | < 0.4 | MG/L |
| BCVWD-24 | 12/4/2019 | PERCHLORATE | < 2 | UG/L |
| BCVWD-24 | 11/30/2022 | PERCHLORATE | < 2 | UG/L |
| BCVWD-24 | 12/4/2019 | PH | 8.2 | PH |
| BCVWD-24 | 11/30/2022 | PH | 7.9 | PH |
| BCVWD-24 | 12/4/2019 | POTASSIUM | 1.3 | MG/L |
| BCVWD-24 | 11/30/2022 | POTASSIUM | 1.6 | MG/L |
| BCVWD-24 | 12/4/2019 | SELENIUM | < 5 | UG/L |
| BCVWD-24 | 11/30/2022 | SELENIUM | < 5 | UG/L |
| BCVWD-24 | 12/4/2019 | SILVER | < 10 | UG/L |
| BCVWD-24 | 11/30/2022 | SILVER | < 10 | UG/L |
| BCVWD-24 | 12/4/2019 | SODIUM | 17 | MG/L |
| BCVWD-24 | 11/30/2022 | SODIUM | 19 | MG/L |
| BCVWD-24 | 12/4/2019 | SULFATE | 11 | MG/L |
| BCVWD-24 | 11/30/2022 | SULFATE | 11 | MG/L |
| BCVWD-24 | 12/4/2019 | TDS | 200 | MG/L |
| BCVWD-24 | 11/30/2022 | TDS | 200 | MG/L |
| BCVWD-24 | 12/4/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-24 | 11/30/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-24 | 12/4/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-24 | 11/30/2022 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-24 | 12/4/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-24 | 11/30/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-24 | 12/4/2019 | ZINC | < 50 | UG/L |
| BCVWD-24 | 11/30/2022 | ZINC | < 50 | UG/L |
| BCVWD-25 | 12/15/2021 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-25 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-25 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-25 | 12/15/2021 | ALKALINITY, BICARBONATE | 180 | MG/L |
| BCVWD-25 | 12/15/2021 | ALKALINITY, TOTAL | 180 | MG/L |
| BCVWD-25 | 12/15/2021 | ALUMINIUM | < 50 | UG/L |
| BCVWD-25 | 12/15/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-25 | 12/15/2021 | ARSENIC | < 2 | UG/L |
| BCVWD-25 | 12/15/2021 | BARIUM | < 100 | UG/L |
| BCVWD-25 | 12/15/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-25 | 12/15/2021 | CADMIUM | < 1 | UG/L |
| BCVWD-25 | 12/15/2021 | CALCIUM | 43 | MG/L |
| BCVWD-25 | 12/15/2021 | CHLORIDE | 11 | MG/L |
| BCVWD-25 | 12/15/2021 | CHROMIUM | 11 | UG/L |
| BCVWD-25 | 12/10/2020 | COMBINED URANIUM | 1.12 | PCI/L |
| BCVWD-25 | 12/15/2021 | COPPER, FREE | < 50 | UG/L |
| BCVWD-25 | 12/15/2021 | FLUORIDE | 0.24 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| BCVWD-25 | 12/15/2021 | HARDNESS, TOTAL (AS CaCO3) | 160 | MG/L |
| BCVWD-25 | 12/15/2021 | IRON | < 100 | UG/L |
| BCVWD-25 | 12/15/2021 | LEAD | < 5 | UG/L |
| BCVWD-25 | 12/15/2021 | MAGNESIUM | 13.0 | MG/L |
| BCVWD-25 | 12/15/2021 | MANGANESE | < 20 | UG/L |
| BCVWD-25 | 12/15/2021 | MERCURY | < 1 | UG/L |
| BCVWD-25 | 12/15/2021 | NICKEL | < 10 | UG/L |
| BCVWD-25 | 12/4/2019 | NITRATE | 0.8 | MG/L |
| BCVWD-25 | 12/10/2020 | NITRATE | 1.1 | MG/L |
| BCVWD-25 | 12/15/2021 | NITRATE | 1.4 | MG/L |
| BCVWD-25 | 11/30/2022 | NITRATE | 1.2 | MG/L |
| BCVWD-25 | 11/22/2023 | NITRATE | 1.2 | MG/L |
| BCVWD-25 | 12/15/2021 | NITRITE | < 0.4 | MG/L |
| BCVWD-25 | 12/15/2021 | PERCHLORATE | < 2 | UG/L |
| BCVWD-25 | 12/15/2021 | PH | 8.1 | PH |
| BCVWD-25 | 12/15/2021 | POTASSIUM | 1.6 | MG/L |
| BCVWD-25 | 12/15/2021 | SELENIUM | < 5 | UG/L |
| BCVWD-25 | 12/15/2021 | SILVER | < 10 | UG/L |
| BCVWD-25 | 12/15/2021 | SODIUM | 21 | MG/L |
| BCVWD-25 | 12/15/2021 | SULFATE | 16 | MG/L |
| BCVWD-25 | 12/15/2021 | TDS | 220 | MG/L |
| BCVWD-25 | 12/15/2021 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-25 | 12/15/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-25 | 12/15/2021 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-25 | 12/15/2021 | ZINC | < 50 | UG/L |
| BCVWD-26 | 11/30/2022 | COMBINED URANIUM | < 1 | PCI/L |
| BCVWD-26 | 12/4/2019 | NITRATE | 0.6 | MG/L |
| BCVWD-26 | 12/10/2020 | NITRATE | 0.7 | MG/L |
| BCVWD-26 | 12/9/2021 | NITRATE | 0.7 | MG/L |
| BCVWD-26 | 11/30/2022 | NITRATE | 1.0 | MG/L |
| BCVWD-26 | 11/22/2023 | NITRATE | 1.0 | MG/L |
| BCVWD-29 | 12/15/2021 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-29 | 12/15/2021 | ALKALINITY, BICARBONATE | 160 | MG/L |
| BCVWD-29 | 12/15/2021 | ALKALINITY, TOTAL | 160 | MG/L |
| BCVWD-29 | 12/15/2021 | ALUMINUM | < 50 | UG/L |
| BCVWD-29 | 12/15/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-29 | 12/15/2021 | ARSENIC | < 2 | UG/L |
| BCVWD-29 | 12/15/2021 | BARIUM | 20 | UG/L |
| BCVWD-29 | 12/15/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-29 | 12/15/2021 | CADMIUM | < 1 | UG/L |
| BCVWD-29 | 12/15/2021 | CALCIUM | 41 | MG/L |
| BCVWD-29 | 12/15/2021 | CHLORIDE | 15 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|----------|-------------|-----------------------------|--------|-------|
| BCVWD-29 | 12/15/2021 | CHROMIUM | 8 | UG/L |
| BCVWD-29 | 12/15/2021 | COPPER, FREE | < 50 | UG/L |
| BCVWD-29 | 12/15/2021 | FLUORIDE | 0.33 | MG/L |
| BCVWD-29 | 12/15/2021 | HARDNESS, TOTAL (AS CaCO3) | 160 | MG/L |
| BCVWD-29 | 12/15/2021 | IRON | < 100 | UG/L |
| BCVWD-29 | 12/15/2021 | LEAD | < 5 | UG/L |
| BCVWD-29 | 12/15/2021 | MAGNESIUM | 14.0 | MG/L |
| BCVWD-29 | 12/15/2021 | MANGANESE | < 20 | UG/L |
| BCVWD-29 | 12/15/2021 | MERCURY | < 1 | UG/L |
| BCVWD-29 | 12/15/2021 | NICKEL | < 10 | UG/L |
| BCVWD-29 | 12/4/2019 | NITRATE | 1.8 | MG/L |
| BCVWD-29 | 12/10/2020 | NITRATE | 2.4 | MG/L |
| BCVWD-29 | 12/15/2021 | NITRATE | 2.1 | MG/L |
| BCVWD-29 | 11/30/2022 | NITRATE | 2.8 | MG/L |
| BCVWD-29 | 11/22/2023 | NITRATE | 2.7 | MG/L |
| BCVWD-29 | 12/15/2021 | NITRITE | < 0.4 | MG/L |
| BCVWD-29 | 12/15/2021 | PERCHLORATE | < 2 | UG/L |
| BCVWD-29 | 12/15/2021 | PH | 8.1 | PH |
| BCVWD-29 | 12/15/2021 | POTASSIUM | 1.7 | MG/L |
| BCVWD-29 | 12/15/2021 | SELENIUM | < 5 | UG/L |
| BCVWD-29 | 12/15/2021 | SILVER | < 10 | UG/L |
| BCVWD-29 | 12/15/2021 | SODIUM | 19 | MG/L |
| BCVWD-29 | 12/15/2021 | SULFATE | 12 | MG/L |
| BCVWD-29 | 12/15/2021 | TDS | 210 | MG/L |
| BCVWD-29 | 12/15/2021 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-29 | 12/15/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-29 | 12/15/2021 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-29 | 12/15/2021 | ZINC | < 50 | UG/L |
| BCVWD-3 | 12/16/2020 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-3 | 3/22/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-3 | 9/28/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| BCVWD-3 | 12/16/2020 | ALKALINITY, BICARBONATE | 160 | MG/L |
| BCVWD-3 | 12/13/2023 | ALKALINITY, BICARBONATE | 140 | MG/L |
| BCVWD-3 | 12/16/2020 | ALKALINITY, TOTAL | 160 | MG/L |
| BCVWD-3 | 12/13/2023 | ALKALINITY, TOTAL | 140 | MG/L |
| BCVWD-3 | 12/16/2020 | ALUMINUM | < 50 | UG/L |
| BCVWD-3 | 12/13/2023 | ALUMINUM | < 50 | UG/L |
| BCVWD-3 | 12/16/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-3 | 12/13/2023 | ANTIMONY, TOTAL | < 6 | UG/L |
| BCVWD-3 | 12/16/2020 | ARSENIC | < 2 | UG/L |
| BCVWD-3 | 12/13/2023 | ARSENIC | < 2 | UG/L |
| BCVWD-3 | 12/16/2020 | BARIUM | < 100 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|----------------------------|---------------|--------------|
| BCVWD-3 | 12/13/2023 | BARIUM | < 100 | UG/L |
| BCVWD-3 | 12/16/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-3 | 12/13/2023 | BERYLLIUM, TOTAL | < 1 | UG/L |
| BCVWD-3 | 12/16/2020 | CADMIUM | < 1 | UG/L |
| BCVWD-3 | 12/13/2023 | CADMIUM | < 1 | UG/L |
| BCVWD-3 | 12/16/2020 | CALCIUM | 35 | MG/L |
| BCVWD-3 | 12/13/2023 | CALCIUM | 32 | MG/L |
| BCVWD-3 | 12/16/2020 | CHLORIDE | 8 | MG/L |
| BCVWD-3 | 12/13/2023 | CHLORIDE | 7 | MG/L |
| BCVWD-3 | 12/16/2020 | CHROMIUM | 11 | UG/L |
| BCVWD-3 | 12/13/2023 | CHROMIUM | 11 | UG/L |
| BCVWD-3 | 9/14/2021 | COMBINED URANIUM | 1.08 | PCI/L |
| BCVWD-3 | 12/16/2020 | COPPER, FREE | < 50 | UG/L |
| BCVWD-3 | 12/13/2023 | COPPER, FREE | < 50 | UG/L |
| BCVWD-3 | 12/16/2020 | FLUORIDE | 0.32 | MG/L |
| BCVWD-3 | 12/13/2023 | FLUORIDE | 0.28 | MG/L |
| BCVWD-3 | 12/16/2020 | HARDNESS, TOTAL (AS CaCO3) | 120 | MG/L |
| BCVWD-3 | 12/13/2023 | HARDNESS, TOTAL (AS CaCO3) | 110 | MG/L |
| BCVWD-3 | 12/16/2020 | IRON | < 100 | UG/L |
| BCVWD-3 | 12/13/2023 | IRON | 110 | UG/L |
| BCVWD-3 | 12/16/2020 | LEAD | < 5 | UG/L |
| BCVWD-3 | 12/13/2023 | LEAD | < 5 | UG/L |
| BCVWD-3 | 12/16/2020 | MAGNESIUM | 8.5 | MG/L |
| BCVWD-3 | 12/13/2023 | MAGNESIUM | 6.7 | MG/L |
| BCVWD-3 | 12/16/2020 | MANGANESE | < 20 | UG/L |
| BCVWD-3 | 12/13/2023 | MANGANESE | 24 | UG/L |
| BCVWD-3 | 12/16/2020 | MERCURY | < 1 | UG/L |
| BCVWD-3 | 12/13/2023 | MERCURY | < 1 | UG/L |
| BCVWD-3 | 12/16/2020 | NICKEL | < 10 | UG/L |
| BCVWD-3 | 12/13/2023 | NICKEL | < 10 | UG/L |
| BCVWD-3 | 12/16/2020 | NITRATE | 0.9 | MG/L |
| BCVWD-3 | 12/9/2021 | NITRATE | 0.9 | MG/L |
| BCVWD-3 | 11/30/2022 | NITRATE | 1.0 | MG/L |
| BCVWD-3 | 12/13/2023 | NITRATE | 0.5 | MG/L |
| BCVWD-3 | 12/16/2020 | NITRITE | < 0.4 | MG/L |
| BCVWD-3 | 12/13/2023 | NITRITE | < 0.4 | MG/L |
| BCVWD-3 | 12/16/2020 | PERCHLORATE | < 2 | UG/L |
| BCVWD-3 | 12/13/2023 | PERCHLORATE | < 2 | UG/L |
| BCVWD-3 | 12/16/2020 | PH | 8.1 | PH |
| BCVWD-3 | 12/13/2023 | PH | 8.1 | PH |
| BCVWD-3 | 12/16/2020 | POTASSIUM | 1.5 | MG/L |
| BCVWD-3 | 12/13/2023 | POTASSIUM | 1.8 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|--------------|--------------------|-------------------------|---------------|--------------|
| BCVWD-3 | 12/16/2020 | SELENIUM | < 5 | UG/L |
| BCVWD-3 | 12/13/2023 | SELENIUM | < 5 | UG/L |
| BCVWD-3 | 12/16/2020 | SILVER | < 10 | UG/L |
| BCVWD-3 | 12/13/2023 | SILVER | < 10 | UG/L |
| BCVWD-3 | 12/16/2020 | SODIUM | 23 | MG/L |
| BCVWD-3 | 12/13/2023 | SODIUM | 30 | MG/L |
| BCVWD-3 | 12/16/2020 | SULFATE | 11 | MG/L |
| BCVWD-3 | 12/13/2023 | SULFATE | 12 | MG/L |
| BCVWD-3 | 12/16/2020 | TDS | 190 | MG/L |
| BCVWD-3 | 12/13/2023 | TDS | 180 | MG/L |
| BCVWD-3 | 12/16/2020 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-3 | 12/13/2023 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-3 | 12/16/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-3 | 12/13/2023 | THALLIUM, TOTAL | < 1 | UG/L |
| BCVWD-3 | 12/16/2020 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-3 | 12/13/2023 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| BCVWD-3 | 12/16/2020 | ZINC | < 50 | UG/L |
| BCVWD-3 | 12/13/2023 | ZINC | < 50 | UG/L |
| Plantation-1 | 3/24/2020 | ALKALINITY, BICARBONATE | 240 | MG/L |
| Plantation-1 | 3/23/2023 | ALKALINITY, BICARBONATE | 200 | MG/L |
| Plantation-1 | 3/24/2020 | ALKALINITY, TOTAL | 190 | MG/L |
| Plantation-1 | 3/23/2023 | ALKALINITY, TOTAL | 200 | MG/L |
| Plantation-1 | 3/24/2020 | ALUMINUM | < 50 | UG/L |
| Plantation-1 | 3/23/2023 | ALUMINUM | < 50 | UG/L |
| Plantation-1 | 3/24/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| Plantation-1 | 3/23/2023 | ANTIMONY, TOTAL | < 6 | UG/L |
| Plantation-1 | 3/24/2020 | ARSENIC | < 2 | UG/L |
| Plantation-1 | 3/23/2023 | ARSENIC | < 2 | UG/L |
| Plantation-1 | 3/23/2023 | ASBESTOS | < 0.2 | MFL |
| Plantation-1 | 3/24/2020 | BARIUM | < 100 | UG/L |
| Plantation-1 | 3/23/2023 | BARIUM | < 100 | UG/L |
| Plantation-1 | 3/24/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Plantation-1 | 3/23/2023 | BERYLLIUM, TOTAL | < 1 | UG/L |
| Plantation-1 | 3/24/2020 | CADMIUM | < 1 | UG/L |
| Plantation-1 | 3/23/2023 | CADMIUM | < 1 | UG/L |
| Plantation-1 | 3/24/2020 | CALCIUM | 52 | MG/L |
| Plantation-1 | 3/23/2023 | CALCIUM | 50 | MG/L |
| Plantation-1 | 3/24/2020 | CHLORIDE | 17 | MG/L |
| Plantation-1 | 3/23/2023 | CHLORIDE | 15 | MG/L |
| Plantation-1 | 3/24/2020 | CHROMIUM | | UG/L |
| Plantation-1 | 3/23/2023 | CHROMIUM | | UG/L |
| Plantation-1 | 3/24/2020 | COPPER, FREE | < 50 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|--------------|--------------------|----------------------------|---------------|--------------|
| Plantation-1 | 3/23/2023 | COPPER, FREE | < 50 | UG/L |
| Plantation-1 | 3/24/2020 | FLUORIDE | 0.41 | MG/L |
| Plantation-1 | 3/23/2023 | FLUORIDE | 0.42 | MG/L |
| Plantation-1 | 3/24/2020 | HARDNESS, TOTAL (AS CaCO3) | 210 | MG/L |
| Plantation-1 | 3/23/2023 | HARDNESS, TOTAL (AS CaCO3) | 200 | MG/L |
| Plantation-1 | 3/24/2020 | IRON | < 100 | UG/L |
| Plantation-1 | 3/23/2023 | IRON | < 100 | UG/L |
| Plantation-1 | 3/24/2020 | LEAD | < 5 | UG/L |
| Plantation-1 | 3/23/2023 | LEAD | < 5 | UG/L |
| Plantation-1 | 3/24/2020 | MAGNESIUM | 18 | MG/L |
| Plantation-1 | 3/23/2023 | MAGNESIUM | 18 | MG/L |
| Plantation-1 | 3/3/2022 | MANGANESE | < 20 | UG/L |
| Plantation-1 | 3/23/2023 | MANGANESE | < 20 | UG/L |
| Plantation-1 | 3/24/2020 | MERCURY | < 1 | UG/L |
| Plantation-1 | 3/23/2023 | MERCURY | < 1 | UG/L |
| Plantation-1 | 3/24/2020 | NICKEL | < 10 | UG/L |
| Plantation-1 | 3/23/2023 | NICKEL | < 10 | UG/L |
| Plantation-1 | 7/22/2019 | NITRATE | 2.0 | MG/L |
| Plantation-1 | 12/16/2020 | NITRATE | 2.2 | MG/L |
| Plantation-1 | 12/20/2021 | NITRATE | 2.1 | MG/L |
| Plantation-1 | 12/21/2022 | NITRATE | 2.0 | MG/L |
| Plantation-1 | 3/23/2023 | NITRATE | 1.9 | MG/L |
| Plantation-1 | 3/23/2023 | NITRATE-NITRITE | 1.9 | MG/L |
| Plantation-1 | 3/24/2020 | NITRITE | < 0.4 | MG/L |
| Plantation-1 | 3/23/2023 | NITRITE | < 0.4 | MG/L |
| Plantation-1 | 3/24/2020 | PERCHLORATE | < 2 | UG/L |
| Plantation-1 | 3/23/2023 | PERCHLORATE | < 2 | UG/L |
| Plantation-1 | 3/24/2020 | PH | 7.5 | PH |
| Plantation-1 | 3/23/2023 | PH | 7.7 | PH |
| Plantation-1 | 3/23/2023 | POTASSIUM | 0.0 | MG/L |
| Plantation-1 | 3/24/2020 | SELENIUM | < 5 | UG/L |
| Plantation-1 | 3/23/2023 | SELENIUM | < 5 | UG/L |
| Plantation-1 | 3/24/2020 | SILVER | < 10 | UG/L |
| Plantation-1 | 3/23/2023 | SILVER | < 10 | UG/L |
| Plantation-1 | 3/24/2020 | SODIUM | 19 | MG/L |
| Plantation-1 | 3/23/2023 | SODIUM | 19 | MG/L |
| Plantation-1 | 3/24/2020 | SULFATE | 12 | MG/L |
| Plantation-1 | 3/23/2023 | SULFATE | 12 | MG/L |
| Plantation-1 | 3/24/2020 | TDS | 260 | MG/L |
| Plantation-1 | 3/23/2023 | TDS | 280 | MG/L |
| Plantation-1 | 3/24/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| Plantation-1 | 3/23/2023 | THALLIUM, TOTAL | < 1 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|--------------|--------------------|----------------------------|---------------|--------------|
| Plantation-1 | 3/24/2020 | ZINC | < 50 | UG/L |
| Plantation-1 | 3/23/2023 | ZINC | < 50 | UG/L |
| RCMHP-1 | 4/29/2019 | ALKALINITY, BICARBONATE | 190 | MG/L |
| RCMHP-1 | 4/29/2019 | ALKALINITY, TOTAL | 190 | MG/L |
| RCMHP-1 | 4/29/2019 | ALUMINIUM | < 50 | UG/L |
| RCMHP-1 | 4/29/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| RCMHP-1 | 4/29/2019 | ARSENIC | < 2 | UG/L |
| RCMHP-1 | 4/29/2019 | BARIUM | < 100 | UG/L |
| RCMHP-1 | 4/29/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| RCMHP-1 | 4/29/2019 | CADMIUM | < 1 | UG/L |
| RCMHP-1 | 4/29/2019 | CALCIUM | 42 | MG/L |
| RCMHP-1 | 4/29/2019 | CHLORIDE | 23 | MG/L |
| RCMHP-1 | 4/29/2019 | CHROMIUM | | UG/L |
| RCMHP-1 | 4/29/2019 | COPPER, FREE | < 50 | UG/L |
| RCMHP-1 | 4/29/2019 | FLUORIDE | 0.55 | MG/L |
| RCMHP-1 | 4/29/2019 | HARDNESS, TOTAL (AS CaCO3) | 170 | MG/L |
| RCMHP-1 | 4/29/2019 | IRON | < 100 | UG/L |
| RCMHP-1 | 4/29/2019 | LEAD | < 5 | UG/L |
| RCMHP-1 | 4/29/2019 | MAGNESIUM | 15 | MG/L |
| RCMHP-1 | 4/29/2019 | MANGANESE | < 20 | UG/L |
| RCMHP-1 | 4/29/2019 | MERCURY | < 1 | UG/L |
| RCMHP-1 | 4/29/2019 | NICKEL | < 10 | UG/L |
| RCMHP-1 | 1/3/2019 | NITRATE | 5.5 | MG/L |
| RCMHP-1 | 10/7/2019 | NITRATE | 5.3 | MG/L |
| RCMHP-1 | 1/13/2020 | NITRATE | 5.2 | MG/L |
| RCMHP-1 | 7/6/2020 | NITRATE | 4.7 | MG/L |
| RCMHP-1 | 10/5/2020 | NITRATE | 5.2 | MG/L |
| RCMHP-1 | 1/18/2021 | NITRATE | 5.2 | MG/L |
| RCMHP-1 | 5/10/2021 | NITRATE | 5.2 | MG/L |
| RCMHP-1 | 8/2/2021 | NITRATE | 4.8 | MG/L |
| RCMHP-1 | 10/18/2021 | NITRATE | 3.0 | MG/L |
| RCMHP-1 | 2/7/2022 | NITRATE | 4.8 | MG/L |
| RCMHP-1 | 4/22/2022 | NITRATE | 4.7 | MG/L |
| RCMHP-1 | 7/18/2022 | NITRATE | 4.6 | MG/L |
| RCMHP-1 | 4/29/2019 | NITRITE | < 0.4 | MG/L |
| RCMHP-1 | 2/7/2022 | NITRITE | < 0.4 | MG/L |
| RCMHP-1 | 4/29/2019 | PERCHLORATE | < 2 | UG/L |
| RCMHP-1 | 4/29/2019 | PH | 8.2 | PH |
| RCMHP-1 | 4/29/2019 | SELENIUM | < 5 | UG/L |
| RCMHP-1 | 4/29/2019 | SILVER | < 10 | UG/L |
| RCMHP-1 | 4/29/2019 | SODIUM | 27 | MG/L |
| RCMHP-1 | 4/29/2019 | SULFATE | 12 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|----------------------------|---------------|--------------|
| RCMHP-1 | 4/29/2019 | TDS | 260 | MG/L |
| RCMHP-1 | 4/29/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| RCMHP-1 | 4/29/2019 | ZINC | < 50 | UG/L |
| RCMHP-2 | 4/29/2019 | ALKALINITY, BICARBONATE | 190 | MG/L |
| RCMHP-2 | 11/21/2022 | ALKALINITY, BICARBONATE | 190 | MG/L |
| RCMHP-2 | 4/29/2019 | ALKALINITY, TOTAL | 190 | MG/L |
| RCMHP-2 | 11/21/2022 | ALKALINITY, TOTAL | 190 | MG/L |
| RCMHP-2 | 4/29/2019 | ALUMINUM | < 50 | UG/L |
| RCMHP-2 | 11/21/2022 | ALUMINUM | < 50 | UG/L |
| RCMHP-2 | 4/29/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| RCMHP-2 | 11/21/2022 | ANTIMONY, TOTAL | < 6 | UG/L |
| RCMHP-2 | 4/29/2019 | ARSENIC | < 2 | UG/L |
| RCMHP-2 | 11/21/2022 | ARSENIC | < 2 | UG/L |
| RCMHP-2 | 4/29/2019 | BARIUM | < 100 | UG/L |
| RCMHP-2 | 11/21/2022 | BARIUM | < 100 | UG/L |
| RCMHP-2 | 4/29/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| RCMHP-2 | 11/21/2022 | BERYLLIUM, TOTAL | < 1 | UG/L |
| RCMHP-2 | 4/29/2019 | CADMIUM | < 1 | UG/L |
| RCMHP-2 | 11/21/2022 | CADMIUM | < 1 | UG/L |
| RCMHP-2 | 4/29/2019 | CALCIUM | 43 | MG/L |
| RCMHP-2 | 11/21/2022 | CALCIUM | 43 | MG/L |
| RCMHP-2 | 4/29/2019 | CHLORIDE | 25 | MG/L |
| RCMHP-2 | 11/21/2022 | CHLORIDE | 26 | MG/L |
| RCMHP-2 | 4/29/2019 | CHROMIUM | | UG/L |
| RCMHP-2 | 11/21/2022 | CHROMIUM | 10 | UG/L |
| RCMHP-2 | 1/4/2019 | CHROMIUM, HEX | 12 | UG/L |
| RCMHP-2 | 4/29/2019 | COPPER, FREE | < 50 | UG/L |
| RCMHP-2 | 11/21/2022 | COPPER, FREE | < 50 | UG/L |
| RCMHP-2 | 4/29/2019 | FLUORIDE | 0.63 | MG/L |
| RCMHP-2 | 11/21/2022 | FLUORIDE | 0.59 | MG/L |
| RCMHP-2 | 4/29/2019 | HARDNESS, TOTAL (AS CaCO3) | 170 | MG/L |
| RCMHP-2 | 11/21/2022 | HARDNESS, TOTAL (AS CaCO3) | 170 | MG/L |
| RCMHP-2 | 4/29/2019 | IRON | < 100 | UG/L |
| RCMHP-2 | 11/21/2022 | IRON | < 100 | UG/L |
| RCMHP-2 | 4/29/2019 | LEAD | < 5 | UG/L |
| RCMHP-2 | 11/21/2022 | LEAD | < 5 | UG/L |
| RCMHP-2 | 4/29/2019 | MAGNESIUM | 15 | MG/L |
| RCMHP-2 | 11/21/2022 | MAGNESIUM | 16 | MG/L |
| RCMHP-2 | 4/29/2019 | MANGANESE | < 20 | UG/L |
| RCMHP-2 | 11/21/2022 | MANGANESE | < 20 | UG/L |
| RCMHP-2 | 4/29/2019 | MERCURY | < 1 | UG/L |
| RCMHP-2 | 11/21/2022 | MERCURY | < 1 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|---------------------|---------------|--------------|
| RCMHP-2 | 4/29/2019 | NICKEL | < 10 | UG/L |
| RCMHP-2 | 11/21/2022 | NICKEL | < 10 | UG/L |
| RCMHP-2 | 1/4/2019 | NITRATE | 5.1 | MG/L |
| RCMHP-2 | 7/1/2019 | NITRATE | 3.1 | MG/L |
| RCMHP-2 | 11/25/2019 | NITRATE | 5.7 | MG/L |
| RCMHP-2 | 1/13/2020 | NITRATE | 6.1 | MG/L |
| RCMHP-2 | 4/20/2020 | NITRATE | 4.8 | MG/L |
| RCMHP-2 | 7/7/2020 | NITRATE | 6.4 | MG/L |
| RCMHP-2 | 10/5/2020 | NITRATE | 6.2 | MG/L |
| RCMHP-2 | 1/18/2021 | NITRATE | 6.1 | MG/L |
| RCMHP-2 | 5/10/2021 | NITRATE | 5.9 | MG/L |
| RCMHP-2 | 8/2/2021 | NITRATE | 5.4 | MG/L |
| RCMHP-2 | 10/18/2021 | NITRATE | 5.6 | MG/L |
| RCMHP-2 | 2/7/2022 | NITRATE | 4.5 | MG/L |
| RCMHP-2 | 4/22/2022 | NITRATE | 3.8 | MG/L |
| RCMHP-2 | 7/18/2022 | NITRATE | 3.5 | MG/L |
| RCMHP-2 | 11/21/2022 | NITRATE | 4.6 | MG/L |
| RCMHP-2 | 1/9/2023 | NITRATE | 4.4 | MG/L |
| RCMHP-2 | 4/10/2023 | NITRATE | 4.7 | MG/L |
| RCMHP-2 | 7/3/2023 | NITRATE | 4.5 | MG/L |
| RCMHP-2 | 10/9/2023 | NITRATE | 4.7 | MG/L |
| RCMHP-2 | 4/29/2019 | NITRITE | < 0.4 | MG/L |
| RCMHP-2 | 2/7/2022 | NITRITE | < 0.4 | MG/L |
| RCMHP-2 | 11/21/2022 | NITRITE | < 0.4 | MG/L |
| RCMHP-2 | 4/29/2019 | PERCHLORATE | < 2 | UG/L |
| RCMHP-2 | 11/21/2022 | PERCHLORATE | < 2 | UG/L |
| RCMHP-2 | 4/29/2019 | PH | 8.1 | PH |
| RCMHP-2 | 11/21/2022 | PH | 8.0 | PH |
| RCMHP-2 | 11/21/2022 | POTASSIUM | 1.6 | MG/L |
| RCMHP-2 | 4/29/2019 | SELENIUM | < 5 | UG/L |
| RCMHP-2 | 11/21/2022 | SELENIUM | < 5 | UG/L |
| RCMHP-2 | 4/29/2019 | SILVER | < 10 | UG/L |
| RCMHP-2 | 11/21/2022 | SILVER | < 10 | UG/L |
| RCMHP-2 | 4/29/2019 | SODIUM | 31 | MG/L |
| RCMHP-2 | 11/21/2022 | SODIUM | 30 | MG/L |
| RCMHP-2 | 4/29/2019 | SULFATE | 12 | MG/L |
| RCMHP-2 | 11/21/2022 | SULFATE | 13 | MG/L |
| RCMHP-2 | 4/29/2019 | TDS | 270 | MG/L |
| RCMHP-2 | 11/21/2022 | TDS | 250 | MG/L |
| RCMHP-2 | 11/21/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| RCMHP-2 | 4/29/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| RCMHP-2 | 11/21/2022 | THALLIUM, TOTAL | < 1 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| RCMHP-2 | 11/21/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| RCMHP-2 | 4/29/2019 | ZINC | < 50 | UG/L |
| RCMHP-2 | 11/21/2022 | ZINC | < 50 | UG/L |
| SMHOA-1 | 11/21/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| SMHOA-1 | 11/8/2021 | ALKALINITY, BICARBONATE | 200 | MG/L |
| SMHOA-1 | 11/8/2021 | ALKALINITY, TOTAL | 200 | MG/L |
| SMHOA-1 | 11/8/2021 | ALUMINIUM | < 50 | UG/L |
| SMHOA-1 | 11/8/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| SMHOA-1 | 11/8/2021 | ARSENIC | < 2 | UG/L |
| SMHOA-1 | 11/21/2022 | ASBESTOS | < 0.2 | MFL |
| SMHOA-1 | 11/8/2021 | BARIUM | 42 | UG/L |
| SMHOA-1 | 11/8/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| SMHOA-1 | 11/8/2021 | CADMIUM | < 1 | UG/L |
| SMHOA-1 | 11/8/2021 | CALCIUM | 47 | MG/L |
| SMHOA-1 | 11/8/2021 | CHLORIDE | 28 | MG/L |
| SMHOA-1 | 11/8/2021 | CHROMIUM | 6 | UG/L |
| SMHOA-1 | 11/8/2021 | COPPER, FREE | < 50 | UG/L |
| SMHOA-1 | 11/8/2021 | FLUORIDE | 0.47 | MG/L |
| SMHOA-1 | 11/8/2021 | HARDNESS, TOTAL (AS CaCO3) | 190 | MG/L |
| SMHOA-1 | 11/8/2021 | IRON | < 100 | UG/L |
| SMHOA-1 | 11/8/2021 | LEAD | < 5 | UG/L |
| SMHOA-1 | 11/8/2021 | MAGNESIUM | 17 | MG/L |
| SMHOA-1 | 11/8/2021 | MANGANESE | < 20 | UG/L |
| SMHOA-1 | 11/8/2021 | MERCURY | < 1 | UG/L |
| SMHOA-1 | 12/20/2021 | NICKEL | < 10 | UG/L |
| SMHOA-1 | 1/2/2019 | NITRATE | 5.0 | MG/L |
| SMHOA-1 | 4/29/2019 | NITRATE | 5.1 | MG/L |
| SMHOA-1 | 7/1/2019 | NITRATE | 4.6 | MG/L |
| SMHOA-1 | 10/7/2019 | NITRATE | 4.6 | MG/L |
| SMHOA-1 | 1/13/2020 | NITRATE | 4.7 | MG/L |
| SMHOA-1 | 4/20/2020 | NITRATE | 5.1 | MG/L |
| SMHOA-1 | 7/6/2020 | NITRATE | 5.2 | MG/L |
| SMHOA-1 | 10/5/2020 | NITRATE | 4.9 | MG/L |
| SMHOA-1 | 1/12/2021 | NITRATE | 6.5 | MG/L |
| SMHOA-1 | 5/10/2021 | NITRATE | 4.8 | MG/L |
| SMHOA-1 | 8/2/2021 | NITRATE | 4.8 | MG/L |
| SMHOA-1 | 10/18/2021 | NITRATE | 5.0 | MG/L |
| SMHOA-1 | 11/8/2021 | NITRATE | 5.0 | MG/L |
| SMHOA-1 | 1/3/2022 | NITRATE | 6.9 | MG/L |
| SMHOA-1 | 10/24/2022 | NITRATE | 2.0 | MG/L |
| SMHOA-1 | 11/21/2022 | NITRATE | 3.3 | MG/L |
| SMHOA-1 | 1/9/2023 | NITRATE | 4.7 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|---------|-------------|-----------------------------|--------|-------|
| SMHOA-1 | 4/10/2023 | NITRATE | 5.3 | MG/L |
| SMHOA-1 | 7/3/2023 | NITRATE | 1.9 | MG/L |
| SMHOA-1 | 10/9/2023 | NITRATE | 2.7 | MG/L |
| SMHOA-1 | 4/29/2019 | NITRITE | < 0.4 | MG/L |
| SMHOA-1 | 11/21/2022 | NITRITE | < 0.4 | MG/L |
| SMHOA-1 | 12/20/2021 | PERCHLORATE | < 2 | UG/L |
| SMHOA-1 | 11/8/2021 | PH | 8.0 | PH |
| SMHOA-1 | 11/21/2022 | PH | 7.9 | PH |
| SMHOA-1 | 12/20/2021 | SELENIUM | < 5 | UG/L |
| SMHOA-1 | 11/8/2021 | SILVER | < 10 | UG/L |
| SMHOA-1 | 11/8/2021 | SODIUM | 44 | MG/L |
| SMHOA-1 | 11/8/2021 | SULFATE | 21 | MG/L |
| SMHOA-1 | 11/8/2021 | TDS | 330 | MG/L |
| SMHOA-1 | 4/29/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-1 | 11/21/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-1 | 12/20/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| SMHOA-1 | 4/29/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-1 | 11/21/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-1 | 11/8/2021 | ZINC | < 50 | UG/L |
| SMHOA-2 | 11/21/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| SMHOA-2 | 11/8/2021 | ALKALINITY, BICARBONATE | 200 | MG/L |
| SMHOA-2 | 11/8/2021 | ALKALINITY, TOTAL | 200 | MG/L |
| SMHOA-2 | 11/8/2021 | ALUMINUM | < 50 | UG/L |
| SMHOA-2 | 11/8/2021 | ANTIMONY, TOTAL | < 6 | UG/L |
| SMHOA-2 | 11/8/2021 | ARSENIC | < 2 | UG/L |
| SMHOA-2 | 11/21/2022 | ASBESTOS | < 0.2 | MFL |
| SMHOA-2 | 11/8/2021 | BARIUM | 44 | UG/L |
| SMHOA-2 | 11/8/2021 | BERYLLIUM, TOTAL | < 1 | UG/L |
| SMHOA-2 | 11/8/2021 | CADMIUM | < 1 | UG/L |
| SMHOA-2 | 11/8/2021 | CALCIUM | 50 | MG/L |
| SMHOA-2 | 11/8/2021 | CHLORIDE | 40 | MG/L |
| SMHOA-2 | 11/8/2021 | CHROMIUM | 10 | UG/L |
| SMHOA-2 | 11/8/2021 | COPPER, FREE | < 50 | UG/L |
| SMHOA-2 | 11/8/2021 | FLUORIDE | 0.57 | MG/L |
| SMHOA-2 | 11/8/2021 | HARDNESS, TOTAL (AS CaCO3) | 200 | MG/L |
| SMHOA-2 | 11/8/2021 | IRON | < 100 | UG/L |
| SMHOA-2 | 11/8/2021 | LEAD | < 5 | UG/L |
| SMHOA-2 | 11/8/2021 | MAGNESIUM | 19 | MG/L |
| SMHOA-2 | 11/8/2021 | MANGANESE | < 20 | UG/L |
| SMHOA-2 | 11/8/2021 | MERCURY | < 1 | UG/L |
| SMHOA-2 | 12/20/2021 | NICKEL | < 10 | UG/L |
| SMHOA-2 | 1/2/2019 | NITRATE | 4.6 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| SMHOA-2 | 4/29/2019 | NITRATE | 5.9 | MG/L |
| SMHOA-2 | 7/1/2019 | NITRATE | 5.4 | MG/L |
| SMHOA-2 | 10/7/2019 | NITRATE | 5.1 | MG/L |
| SMHOA-2 | 1/13/2020 | NITRATE | 5.5 | MG/L |
| SMHOA-2 | 4/20/2020 | NITRATE | 5.5 | MG/L |
| SMHOA-2 | 7/6/2020 | NITRATE | 5.3 | MG/L |
| SMHOA-2 | 10/5/2020 | NITRATE | 5.6 | MG/L |
| SMHOA-2 | 1/12/2021 | NITRATE | 5.4 | MG/L |
| SMHOA-2 | 5/10/2021 | NITRATE | 5.6 | MG/L |
| SMHOA-2 | 8/2/2021 | NITRATE | 5.1 | MG/L |
| SMHOA-2 | 10/18/2021 | NITRATE | 5.6 | MG/L |
| SMHOA-2 | 11/8/2021 | NITRATE | 5.8 | MG/L |
| SMHOA-2 | 1/3/2022 | NITRATE | 5.9 | MG/L |
| SMHOA-2 | 10/24/2022 | NITRATE | 5.0 | MG/L |
| SMHOA-2 | 11/21/2022 | NITRATE | 5.5 | MG/L |
| SMHOA-2 | 1/9/2023 | NITRATE | 5.7 | MG/L |
| SMHOA-2 | 4/10/2023 | NITRATE | 5.8 | MG/L |
| SMHOA-2 | 7/3/2023 | NITRATE | 5.6 | MG/L |
| SMHOA-2 | 10/9/2023 | NITRATE | 5.9 | MG/L |
| SMHOA-2 | 4/29/2019 | NITRITE | < 0.4 | MG/L |
| SMHOA-2 | 11/21/2022 | NITRITE | < 0.4 | MG/L |
| SMHOA-2 | 12/20/2021 | PERCHLORATE | < 2 | UG/L |
| SMHOA-2 | 11/8/2021 | PH | 7.9 | PH |
| SMHOA-2 | 11/21/2022 | PH | 8.0 | PH |
| SMHOA-2 | 12/20/2021 | SELENIUM | < 5 | UG/L |
| SMHOA-2 | 11/8/2021 | SILVER | < 10 | UG/L |
| SMHOA-2 | 11/8/2021 | SODIUM | 41 | MG/L |
| SMHOA-2 | 11/8/2021 | SULFATE | 18 | MG/L |
| SMHOA-2 | 11/8/2021 | TDS | 340 | MG/L |
| SMHOA-2 | 4/29/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-2 | 11/21/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-2 | 12/20/2021 | THALLIUM, TOTAL | < 1 | UG/L |
| SMHOA-2 | 4/29/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-2 | 11/21/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMHOA-2 | 11/8/2021 | ZINC | < 50 | UG/L |
| SMWC-4 | 10/26/2021 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| SMWC-4 | 4/15/2019 | ALKALINITY, BICARBONATE | 110 | MG/L |
| SMWC-4 | 4/19/2022 | ALKALINITY, BICARBONATE | 98 | MG/L |
| SMWC-4 | 4/15/2019 | ALKALINITY, TOTAL | 110 | MG/L |
| SMWC-4 | 4/19/2022 | ALKALINITY, TOTAL | 100 | MG/L |
| SMWC-4 | 4/15/2019 | ALUMINUM | < 50 | UG/L |
| SMWC-4 | 4/19/2022 | ALUMINUM | < 50 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|----------------------------|---------------|--------------|
| SMWC-4 | 4/15/2019 | ANTIMONY, TOTAL | < 6 | UG/L |
| SMWC-4 | 4/19/2022 | ANTIMONY, TOTAL | < 6 | UG/L |
| SMWC-4 | 4/15/2019 | ARSENIC | 3.8 | UG/L |
| SMWC-4 | 4/19/2022 | ARSENIC | 4.4 | UG/L |
| SMWC-4 | 4/15/2019 | BARIUM | < 100 | UG/L |
| SMWC-4 | 4/19/2022 | BARIUM | < 100 | UG/L |
| SMWC-4 | 4/15/2019 | BERYLLIUM, TOTAL | < 1 | UG/L |
| SMWC-4 | 4/19/2022 | BERYLLIUM, TOTAL | < 1 | UG/L |
| SMWC-4 | 4/15/2019 | BORON, TOTAL | | UG/L |
| SMWC-4 | 4/19/2022 | BORON, TOTAL | | UG/L |
| SMWC-4 | 4/15/2019 | CADMIUM | < 1 | UG/L |
| SMWC-4 | 4/19/2022 | CADMIUM | < 1 | UG/L |
| SMWC-4 | 4/15/2019 | CALCIUM | 7 | MG/L |
| SMWC-4 | 4/19/2022 | CALCIUM | 5 | MG/L |
| SMWC-4 | 4/15/2019 | CHLORIDE | 18 | MG/L |
| SMWC-4 | 4/19/2022 | CHLORIDE | 16 | MG/L |
| SMWC-4 | 4/15/2019 | CHROMIUM | | UG/L |
| SMWC-4 | 4/19/2022 | CHROMIUM | | UG/L |
| SMWC-4 | 4/15/2019 | CHROMIUM, HEX | 2.20 | UG/L |
| SMWC-4 | 4/19/2022 | CHROMIUM, HEX | 1.90 | UG/L |
| SMWC-4 | 4/15/2019 | COPPER, FREE | < 50 | UG/L |
| SMWC-4 | 4/19/2022 | COPPER, FREE | < 50 | UG/L |
| SMWC-4 | 4/15/2019 | FLUORIDE | 0.40 | MG/L |
| SMWC-4 | 4/19/2022 | FLUORIDE | 0.39 | MG/L |
| SMWC-4 | 4/15/2019 | HARDNESS, TOTAL (AS CaCO3) | 22 | MG/L |
| SMWC-4 | 4/19/2022 | HARDNESS, TOTAL (AS CaCO3) | 13 | MG/L |
| SMWC-4 | 4/15/2019 | IRON | < 100 | UG/L |
| SMWC-4 | 4/19/2022 | IRON | < 100 | UG/L |
| SMWC-4 | 4/15/2019 | LEAD | < 5 | UG/L |
| SMWC-4 | 4/19/2022 | LEAD | < 5 | UG/L |
| SMWC-4 | 4/15/2019 | MAGNESIUM | 1.1 | MG/L |
| SMWC-4 | 4/19/2022 | MAGNESIUM | 0.0 | MG/L |
| SMWC-4 | 4/15/2019 | MANGANESE | < 20 | UG/L |
| SMWC-4 | 4/19/2022 | MANGANESE | < 20 | UG/L |
| SMWC-4 | 4/15/2019 | MERCURY | < 1 | UG/L |
| SMWC-4 | 4/19/2022 | MERCURY | < 1 | UG/L |
| SMWC-4 | 4/15/2019 | NICKEL | < 10 | UG/L |
| SMWC-4 | 4/19/2022 | NICKEL | < 10 | UG/L |
| SMWC-4 | 4/15/2019 | NITRATE | 3.8 | MG/L |
| SMWC-4 | 6/4/2019 | NITRATE | 4.4 | MG/L |
| SMWC-4 | 6/3/2020 | NITRATE | 3.1 | MG/L |
| SMWC-4 | 6/14/2021 | NITRATE | 3.0 | MG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|-----------------------------|---------------|--------------|
| SMWC-4 | 4/19/2022 | NITRATE | 3.1 | MG/L |
| SMWC-4 | 6/6/2022 | NITRATE | 3.1 | MG/L |
| SMWC-4 | 6/9/2023 | NITRATE | 2.8 | MG/L |
| SMWC-4 | 4/15/2019 | NITRATE-NITRITE | 3.8 | MG/L |
| SMWC-4 | 4/19/2022 | NITRATE-NITRITE | 3.1 | MG/L |
| SMWC-4 | 4/15/2019 | NITRITE | < 0.4 | MG/L |
| SMWC-4 | 4/19/2022 | NITRITE | < 0.4 | MG/L |
| SMWC-4 | 4/15/2019 | PERCHLORATE | < 2 | UG/L |
| SMWC-4 | 4/19/2022 | PERCHLORATE | < 2 | UG/L |
| SMWC-4 | 4/15/2019 | PH | 9.0 | PH |
| SMWC-4 | 4/19/2022 | PH | 8.8 | PH |
| SMWC-4 | 4/15/2019 | POTASSIUM | 0.0 | MG/L |
| SMWC-4 | 4/19/2022 | POTASSIUM | 0.0 | MG/L |
| SMWC-4 | 4/15/2019 | SELENIUM | < 5 | UG/L |
| SMWC-4 | 4/19/2022 | SELENIUM | < 5 | UG/L |
| SMWC-4 | 4/15/2019 | SILVER | < 10 | UG/L |
| SMWC-4 | 4/19/2022 | SILVER | < 10 | UG/L |
| SMWC-4 | 4/15/2019 | SODIUM | 62 | MG/L |
| SMWC-4 | 4/19/2022 | SODIUM | 63 | MG/L |
| SMWC-4 | 4/15/2019 | SULFATE | 17 | MG/L |
| SMWC-4 | 4/19/2022 | SULFATE | 15 | MG/L |
| SMWC-4 | 4/15/2019 | TDS | 180 | MG/L |
| SMWC-4 | 4/19/2022 | TDS | 220 | MG/L |
| SMWC-4 | 8/12/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMWC-4 | 5/26/2023 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| SMWC-4 | 4/15/2019 | THALLIUM, TOTAL | < 1 | UG/L |
| SMWC-4 | 4/19/2022 | THALLIUM, TOTAL | < 1 | UG/L |
| SMWC-4 | 8/12/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMWC-4 | 5/26/2023 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| SMWC-4 | 4/15/2019 | VANADIUM, TOTAL | 72 | UG/L |
| SMWC-4 | 4/19/2022 | VANADIUM, TOTAL | 93 | UG/L |
| SMWC-4 | 4/15/2019 | ZINC | < 50 | UG/L |
| SMWC-4 | 4/19/2022 | ZINC | < 50 | UG/L |
| YVWD-48 | 7/17/2019 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| YVWD-48 | 8/18/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| YVWD-48 | 11/9/2022 | 1,2-DIBROMO-3-CHLOROPROPANE | < 0.01 | UG/L |
| YVWD-48 | 7/14/2020 | ALKALINITY, BICARBONATE | 170 | MG/L |
| YVWD-48 | 7/14/2020 | ALKALINITY, TOTAL | 140 | MG/L |
| YVWD-48 | 7/14/2020 | ALUMINUM | < 50 | UG/L |
| YVWD-48 | 7/14/2020 | ANTIMONY, TOTAL | < 6 | UG/L |
| YVWD-48 | 7/14/2020 | ARSENIC | < 2 | UG/L |
| YVWD-48 | 7/14/2020 | BARIUM | < 100 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|---------|-------------|----------------------------|--------|-------|
| YVWD-48 | 7/14/2020 | BERYLLIUM, TOTAL | < 1 | UG/L |
| YVWD-48 | 7/14/2020 | BORON, TOTAL | | UG/L |
| YVWD-48 | 7/14/2020 | CADMIUM | < 1 | UG/L |
| YVWD-48 | 7/14/2020 | CALCIUM | 32 | MG/L |
| YVWD-48 | 7/14/2020 | CHLORIDE | 11 | MG/L |
| YVWD-48 | 7/14/2020 | CHROMIUM | | UG/L |
| YVWD-48 | 7/14/2020 | CHROMIUM, HEX | 7.50 | UG/L |
| YVWD-48 | 7/14/2020 | COPPER, FREE | < 50 | UG/L |
| YVWD-48 | 7/14/2020 | FLUORIDE | 0.39 | MG/L |
| YVWD-48 | 7/14/2020 | HARDNESS, TOTAL (AS CaCO3) | 100 | MG/L |
| YVWD-48 | 7/14/2020 | IRON | < 100 | UG/L |
| YVWD-48 | 7/14/2020 | LEAD | < 5 | UG/L |
| YVWD-48 | 7/14/2020 | MAGNESIUM | 4.8 | MG/L |
| YVWD-48 | 7/14/2020 | MANGANESE | < 20 | UG/L |
| YVWD-48 | 7/14/2020 | MERCURY | < 1 | UG/L |
| YVWD-48 | 7/14/2020 | NICKEL | < 10 | UG/L |
| YVWD-48 | 7/17/2019 | NITRATE | 1.8 | MG/L |
| YVWD-48 | 7/14/2020 | NITRATE | 2.4 | MG/L |
| YVWD-48 | 2/18/2021 | NITRATE | 3.1 | MG/L |
| YVWD-48 | 8/18/2022 | NITRATE | 2.1 | MG/L |
| YVWD-48 | 8/8/2023 | NITRATE | 1.6 | MG/L |
| YVWD-48 | 8/15/2023 | NITRATE | 2.2 | MG/L |
| YVWD-48 | 9/19/2023 | NITRATE | 2.2 | MG/L |
| YVWD-48 | 10/3/2023 | NITRATE | 2.2 | MG/L |
| YVWD-48 | 11/14/2023 | NITRATE | 2.2 | MG/L |
| YVWD-48 | 12/19/2023 | NITRATE | 2.9 | MG/L |
| YVWD-48 | 1/17/2024 | NITRATE | 2.2 | MG/L |
| YVWD-48 | 7/14/2020 | NITRATE-NITRITE | 2.4 | MG/L |
| YVWD-48 | 7/14/2020 | NITRITE | < 0.4 | MG/L |
| YVWD-48 | 7/14/2020 | PERCHLORATE | < 2 | UG/L |
| YVWD-48 | 7/14/2020 | PH | 8.1 | PH |
| YVWD-48 | 7/14/2020 | POTASSIUM | 2.0 | MG/L |
| YVWD-48 | 7/14/2020 | SELENIUM | < 5 | UG/L |
| YVWD-48 | 7/14/2020 | SILVER | < 10 | UG/L |
| YVWD-48 | 7/14/2020 | SODIUM | 36 | MG/L |
| YVWD-48 | 7/14/2020 | SULFATE | 13 | MG/L |
| YVWD-48 | 7/14/2020 | TDS | 200 | MG/L |
| YVWD-48 | 7/17/2019 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| YVWD-48 | 8/17/2022 | TETRACHLOROETHYLENE | < 0.5 | UG/L |
| YVWD-48 | 7/14/2020 | THALLIUM, TOTAL | < 1 | UG/L |
| YVWD-48 | 7/17/2019 | TRICHLOROETHYLENE | < 0.5 | UG/L |
| YVWD-48 | 8/17/2022 | TRICHLOROETHYLENE | < 0.5 | UG/L |

GAMA Water Quality for the 2019-2023 Period for Domestic Wells in the Beaumont Basin

| Well | Sample Date | Analyte Name | Result | Units |
|-------------|--------------------|---------------------|---------------|--------------|
| YVWD-48 | 7/14/2020 | VANADIUM, TOTAL | 22 | UG/L |
| YVWD-48 | 7/14/2020 | ZINC | < 50 | UG/L |

ALDA Inc.

In Association with

Thomas Harder & Co.
Groundwater Consulting 

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-11**

Date: April 17, 2024
From: Thomas Harder, Thomas Harder & Co.
Subject: Update on the Safe Yield Reset of the Beaumont Basin
Recommendation: For information and discussion

As per the 2003 Beaumont Basin Judgment, “The Safe Yield of the Beaumont Basin shall be redetermined at least every 10 years beginning 10 years after the date of entry of this Judgment.”¹ The first redetermination of the Beaumont Basin Safe Yield was conducted in 2013² and revised the Safe Yield to be 6,700 acre-ft per year. The Safe Yield is being redetermined again for 2023.

At the February Committee meeting, presented a recommended Safe Yield for the next ten years (2023 through 2032), which is 7,100 acre-ft/yr. The Safe Yield was redetermined using an updated version of the groundwater flow model of the Beaumont Basin that was previously developed for the 2013 Safe Yield redetermination. TH&Co will be submitting a draft technical report to the Committee for review and consideration prior to the June 2024 regular meeting.

¹ Beaumont Basin Judgment. Section VI Administration, 5 (Y).

² Thomas Harder & Co., 2015. 2013 Reevaluation of the Beaumont Basin Safe Yield. Dated April 3, 2015.

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-12**

Date: April 17, 2024

From: Dan Jagers, Beaumont-Cherry Valley Water District

Subject: Discussion on Developing a Policy to Document and Account for Emergency Transfers of Potable Water from an Appropriator to an Overlying Party

Recommendation: For discussion purposes only

Beaumont-Cherry Valley Water District (the District) entered into an Emergency Potable Water Service Connection Agreement with the Morongo Band of Mission Indians (MBMI) that allows the District to provide the MBMI a potable water supply upon request by the MBMI. The MBMI is an Overlying Party, which were originally identified as the California Oak Valley Golf and Resort LLC per Exhibit B of the stipulated judgement. The MBMI own and operate the Morongo Golf Club at Tukwet Canyon (Tukwet Canyon Golf Club). In July 2022, the Tukwet Canyon Golf Club requested emergency water service to provide a back-up water supply to ensure that the golf club's water system remained operational until water service could be restored by the MBMI Water Department.

The District provided 44 acre-feet of potable water to the Tukwet Canyon Golf Club in response to the emergency potable water service request by the MBMI. The Tukwet Canyon Golf Club requested in a letter dated September 20, 2023 that a one-time transfer of 44 AF of their Overlying Water Right be granted to the District in lieu of payment of \$13,735.44 for the emergency potable water service.

The emergency potable water supply of 44 AF provided by the District to the Tukwet Canyon Golf Club is not a permanent forbearance of the Tukwet Canyon Golf Club's Overlying Water Right to the District (Appropriator) as described in Section III 3.B and 3.C in the judgement, but represents a temporary supply provided under "emergency" circumstances and does not represent a "volume of water foregone by the Overlying Party." Such temporary supply of emergency water does not diminish the Overlying Water Right by an Overlying Party. Nor shall it be documented using a *Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator* (Beaumont Basin Watermaster Form 5).

The following is a proposed series of steps to modify the Rules and Regulations by introducing a policy to document and account for the emergency supply of potable water from an Appropriator to an Overlying Party:

- a. Section 7, Adjustment of Rights, of the Rules and Regulations is revised to include a new subsection (7.4) that introduces a policy for documenting and accounting the use of an emergency potable water service provided by an Appropriator to an Overlying Party.

- b. New definitions are added to the Rules and Regulations:
 - i. Emergency Water Service: “A temporary supply of potable water provided by an Appropriator to an Overlying Party when the Overlying Party is unable to produce groundwater per their Overlying Party’s Water Right established in the Judgement, or requires a temporary supply to meet water demands and maintain water service until the temporary service is no longer required.”
 - ii. Emergency Water: “A water supply provided for a temporary purpose in any calendar year that does not constitute a water service connection resulting in a permanent transfer of the volume supplied as a portion of an Overlying Water Right of an Overlying Party to an Appropriator.”
- c. The Overlying Water Right of the Overlying Party receiving the emergency water service shall not be diminished by the receipt of such Emergency Water.
- d. The volume of the Emergency Water provided by an Appropriator to an Overlying Party will be added to the Appropriative Water Right at the conclusion of the calendar year after all Overlyer production is accounted for and presuming the particular Overlyer has not exceeded their right, and the remaining water (adjusted for emergency supply) not pumped up to the Safe Yield is distributed to all Appropriators.
 - i. For example, in 2023, BCVWD received an Appropriative Water Right of 1,904 AF. The Emergency Water Service included 44 AF to Tukwet Canyon Golf Club, resulting in an adjusted Appropriative Water Right of 1,948 AF (1904 + 44) for BCVWD. Specifically, the “Unused Overlyer” right for the affected year shall be adjusted by an addition of 44 acre-feet to the production total. From the affected Overlyer (MBMI in this case) and BCVWD’s production total shall be reduced by the amount produced and delivered by BCVWD on behalf of the Overlyer (MBMI), again presuming the Overlyer has not exceeded their Overlyer production right. No other Appropriators receive an adjustment to their Appropriative Water Right from the Emergency Water Service provided by BCVWD to Tukwet Canyon Golf Club.
- e. The Emergency Water Service will be documented in a new Watermaster Form (Form 9 – “Emergency Water Service”) that provides details on the Overlying Party receiving the Emergency Water Service, including the Appropriator providing the Emergency Water Service, the Overlying Party receiving the Emergency Water Service, the period when the Emergency Water Service was provided, and the total volume of Emergency Water provided by the Appropriator to the Overlying Party.

Attachments

1. Letter to BCVWD from the Tukwet Canyon Golf Club dated Sept. 20, 2023



Item VII-D Attachment 1

September 20, 2023

Beaumont Cherry Valley Water District
Mr. William Clayton, Finance Manager CPA
560 Magnolia Ave.
Beaumont, CA 92223

RE: Emergency Potable Water Service Statement of Charges

Sent via email to: william.clayton@bcvwd.org

Mr. Clayton, I am writing to you today in reference to your letter dated June 07, 2023 [attached] regarding emergency water service that was requested by Tukwet Canyon Golf on or about July 15, 2022. The purpose of the aforementioned request was to provide an “emergency only” back-up water supply to ensure the water system remained operational until such time water service was restored by the Morongo Band of Mission Indians Water Department.

Pursuant to the Beaumont Basin Stipulated Judgement [Case # RIC 38917], Morongo Golf Club at Tukwet Canyon is an Overlying party and retains certain water rights as specified in the judgement. As a condition of service from the Beaumont Cherry Valley Water District [BCVWD], the Morongo Band of Mission Indians [MBMI] shall have the option to exercise certain rights as identified in Section III [3 a,b,c,d] of the stipulated judgement to utilize water from MBMI’s overlyer water right supply via an overlyer water transfer as a form of payment for the quantity of water used in lieu of BCVWD’s Imported Water Charge.

On or about January 24, 2023, an “Emergency Potable Water Service Connection Agreement” between BCVWD and the MBMI was executed for the purpose of requesting water service. Section 4 (Water Rates/Facilities Charges) of said agreement additionally memorializes the stipulated judgment for the purpose of transferring overlying water rights when service has been requested from an Overlying party to an Appropriator such as BCVWD.

At this time, Tukwet Canyon Golf Club is requesting that such transfer be considered as a form of payment for BCVWD Imported Water Charge in the amount of \$13,735.44. Total water right transfer shall not exceed 44 Acre Feet in lieu of this one-time payment.

Inclosing we look forward to collaborating with you and your staff and would be happy to

PHONE: 951-845-0014 | FAX: 951-845-7790 | 36211 CHAMPIONS DRIVE, BEAUMONT, CA 92223 |
WWW.TUKWETCANYON.COM

assist or answer any questions or concerns you may have. Please contact me at 951-845-0014 or by email at: HLiaw@tukwetcanyon.com. Any technical water systems questions should be directed to the MBMI Water Department at 951-755-5270.

Respectfully,



Henry Liaw, General Manager

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 24-13**

Date: April 17, 2024

From: Steven Stuart, Dudek

Subject: Update on Revising the Beaumont Basin Watermaster Rules and Regulations

Recommendation: For discussion purposes only

Dudek was tasked with reviewing the BBWM Rules and Regulations (last amended in December 2022) and to provide a summary of the sections that require updating/ revision and sections where new rules may be included. The summary will include a brief description of the recommended changes for each section.

At this meeting, Dudek will present the following items to discuss with the Watermaster Committee and seek further clarification and/or direction:

Documents referred to but not known if final versions were prepared:

- Beaumont Basin Water Resources Management Plan
- Statement of Investment Policy
- Standard Form for Intervention
 - Seeking to become party to the Judgement, but shall have no water rights
- Application for Recapture
 - Follows approval of Groundwater Storage Agreement when no plan for recovery is known.

Seeking further discussion/clarification on some terms in Rules and Regulations:

- Salt Credits
 - May be granted by Water Board and used to facilitate Water Resources Management Plan
 - Still applicable?
- Redetermination of Operating Yield
 - Per the R&R, redetermined annually
 - Defined in Judgement: “the maximum quantity of water which can be produced annually by the Appropriators from the Beaumont Basin, which quantity consists of Appropriative Water plus Temporary Surplus.”
 - Recommend revising to “Annualized Safe Yield”.

DUDEK



Update on Revising Rules & Regulations

Beaumont Basin Watermaster Regular Meeting

PRESENTATION BY STEVEN STUART, PE

APRIL 17, 2024

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Update on Revising Rules & Regulations

Status of Documents Referenced in the Rules & Regulations

- [Beaumont Basin Water Resources Management Plan](#) (Section 1.1 Definitions)
- [Statement of Investment Policy](#) (Section 2.7 Investment of Funds)
- [Standard Form of Intervention](#) (Section 2.14 Interventions)
 - Seeking to become party to Judgement, but shall have no water rights (unless acquired from an Appropriator Party)
- [Application for Recapture](#) (Section 6.1 Relationship between Recapture and Storage)
 - Follows approval of Groundwater Storage Agreement when no plan for recovery is known

Update on Revising Rules & Regulations

Further Discussion/Clarification on Some Terms

- Salt Credits (Section 1.1 Definitions)
- May be granted by Water Board and used to facilitate Water Resources Management Plan
- Redetermination of Operating Yield (Section 4.0)
 - Defined in Judgement: “the maximum quantity of water which can be produced annually by the Appropriators from the Beaumont Basin, which quantity consists of Appropriate Water plus Temporary Surplus.”
 - Recommend redefining as “Annualized Safe Yield”

Update on Revising Rules & Regulations

| Section | Section Title | Page # | Original Text / Topic | Recommended Revision / Action |
|----------|----------------------------------|--------|---|---|
| 1.1 | Definitions | 1 | (a) "Annual or Year" means a fiscal year, July 1 through June 30 following... | (a) "Annual or Year" means a calendar year, January 31 through December 31, unless the context shall clearly indicate a different meaning. |
| 1.1 | Definitions | 1 | (c) Salt Credits | Still applicable? |
| 2.1 | Records | 2 | "All records of the Watermaster shall be available for public inspection pursuant to the California Public Records Act, except as otherwise provided by law. Copies of such records may be obtained upon payment of the cost of duplication." | Revise to address storage of and access to digital copies. |
| 2.5 | Employment of Experts and Agents | 2 | The Watermaster may employ or retain such administrative, engineering, geologic, accounting, legal or other specialized personnel and consultants as it may deem appropriate. | Revise to read, "The Watermaster may employ or retain such administrative, engineering, geologic, hydrogeologic , geochemical , accounting, legal or other specialized personnel and consultants as it may deem appropriate |
| 2.7 | Investment of Funds | 3 | The Watermaster may hold and invest all Watermaster funds in investments authorized from time-to-time for public agencies of the State of California, pursuant to a Statement of Investment Policy adopted by the Watermaster Committee. | Is there a Statement of Investment Policy? |
| 2.10 | Budgets | 3 | "The Watermaster shall prepare a proposed annual administrative budget for the upcoming fiscal year for Watermaster review." | Revise to read, "The Watermaster shall prepare a proposed annual administrative budget for the upcoming calendar year for Watermaster review." |
| 2.11 (a) | Assessments | 3 | "The Watermaster shall levy and collect assessments in each year, in amounts sufficient to purchase replenishment water to replace Overproduction by any Party from the prior fiscal year. Replenishment assessments shall be collected not later than October 1 of each year." | Revise to read, "The Watermaster shall levy and collect assessments in each year, in amounts sufficient to purchase replenishment water to replace Overproduction by any Party from the prior calendar year. Replenishment assessments shall be collected not later than April 1 of the subsequent year." |

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 24-14

Date: April 17, 2024
From: Dan Jagers, Watermaster Secretary
Subject: Consideration of Special Meetings / Workshops
Recommendation: Consider setting a schedule for a special meetings / workshops

During 2023 and the beginning of 2024, the Watermaster Committee scheduled and held several successful workshops devoted to more in-depth discussion.

Dudek proposes the following dates for additional Beaumont Basin Watermaster Committee Special Meetings:

- July 3 or 10 (either the day before July 4 or week after)
- September 4 or 11 (Labor Day is September 2)
- November 6

2024 Regular Meeting Dates:

Wednesday, June 5 at 11 a.m.
Wednesday, August 7 at 11 a.m.
Wednesday, October 2 at 11 a.m.
Wednesday, December 4 at 11 a.m.

Attached:
2024 calendar

2024

January

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|-----------|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

1 New Year's Day
 15 Martin Luther King Jr. Day

February

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|-----------|----|-----------|-----------|----------|----|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | | |

2 Groundhog Day
 12 Lincoln's Birthday
 14 St. Valentine's Day
 14 Ash Wednesday
 19 President's Day
 22 Washington's Birthday

March

| Su | Mo | Tu | We | Th | Fr | Sa |
|-----------|----|----|----|----|-----------|----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

10 Daylight Saving Time Begins
 17 St. Patrick's Day
 24 Palm Sunday
 29 Good Friday
 31 Easter

April

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----------|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

1 April Fool's Day

May

| Su | Mo | Tu | We | Th | Fr | Sa |
|-----------|-----------|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

12 Mother's Day
 27 Memorial Day

June

| Su | Mo | Tu | We | Th | Fr | Sa |
|-----------|----|----|-----------|----|-----------|----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

14 Flag Day
 16 Father's Day
 19 Juneteenth
 21 Summer Solstice

July

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----------|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

4 Independence Day

August

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

September

| Su | Mo | Tu | We | Th | Fr | Sa |
|----------|----------|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

2 Labor Day
 8 Grandparent's Day

October

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|-----------|----|----|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

31 Halloween

November

| Su | Mo | Tu | We | Th | Fr | Sa |
|----------|-----------|----------|----|-----------|----|----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

3 Daylight Saving Time Ends
 5 Election Day
 11 Veteran's Day
 28 Thanksgiving

December

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|-----------|-----------|----|----|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

21 Winter Solstice
 25 Christmas
 31 New Year's Eve

Created at www.CalendarHome.com