

# **Notice and Agenda**

## **Special Meeting of the Beaumont Basin Watermaster**

**Wednesday, June 11, 2025 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.*

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Members of the Watermaster Committee:

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

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*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=UnNZcC9TbGZzTGFMHdhVkJRMblczQT09>

**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/>**

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## BEAUMONT BASIN WATERMASTER COMMITTEE – JUNE 11, 2025

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### I. Call to Order

### II. Roll Call

Committee Member Agency	Primary Representative	Alternate
City of Banning	Arturo Vela, Chair	Nathan Smith
City of Beaumont	Robert Vestal	Dustin Christensen
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
  - i. April 2, 2025 Regular Meeting [Page 6]
- B. Status Report on Water Level Monitoring throughout the Beaumont Basin through May 28, 2025 [Page 14]
- C. Comparison of Production Rights versus Production through April 2025 [Page 26]

### VI. Reports

- A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering
- B. Report from Hydrogeological Consultant - Thomas Harder, Thomas Harder & Co.
- C. Report from Administrative Consultant – Dudek
- D. Report from Legal Counsel - Thierry Montoya/Keith McCullough, Frost, Brown, Todd

## VII. Discussion Items

- A. Consideration of a request from the Morongo Band of Mission Indians (MBMI) to further amend the Beaumont Basin Judgment to authorize the transfer of overlying groundwater rights to other parties, including appropriators. The proposal would remove existing limitations that tie overlying rights to appurtenant land. [Memorandum No. 25-16, Page 28]  
 Recommendation: Discussion only; no action
- B. Update on Thomas Harder & Co. Study on Basin Loses [Page 31]  
 Recommendation: None. Presentation only
- C. Update on Draft 2024 Consolidated Annual Report and Engineering Report [Memorandum No. 25-17, Page 36]  
 Recommendation: Approve the 2024 Annual Report
- D. Update on Proposed Revisions to Watermaster Rules and Regulations [Memorandum No. 25-18, Page 113]  
 Recommendation: None. Presentation only; no action required
- E. Proposed Schedule for Future Special Meetings of the Watermaster [Memorandum No. 25-19, Page 120]  
 Recommendation: Consider meeting dates and direct staff as desired
- F. Thomas Harder & Co. Proposal to Participate in Future Special Meetings [Memorandum No. 25-20, Page 121]  
 Recommendation: Approve the proposal for future meeting support
- G. Certification of Groundwater Production, Imported Water Spreading, and Change in Storage in the Beaumont Groundwater Basin in Water Year 2024 [Memorandum No. 25-21, Page 122]  
 Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Basin in Water Year 2024

## VIII. Topics for Future Meetings

	Item	Date Listed
A	Development of a Recycled Water Policy including Incidental Discharge	3/27/2019
B	Development of a return flow accounting policy	3/27/2019
C	Monitoring of future west side well sites and methodologies, and potential collaboration with USGS	10/5/2022
D	Discussion on what to do when an Appropriator goes negative	10/4/2023 and 11/1/2023

E	Discussion on Policy to Document and Account for Emergency Potable Water Transfers from Appropriator to Overlying Party (Tabled from 4/17/24 meeting)	4/17/2024
F	Procurement Policy including thresholds for RFP process	8/17/2021

**IX. Comments from the Watermaster Committee Members**

**X. Announcements**

2025 Meeting Dates:

- Wednesday, August 6 at 11 a.m.                      Regular Meeting
- Wednesday, October 1 at 11 a.m.                      Regular Meeting
- Wednesday, December 3 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 72 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 72 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 72 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.gov](mailto:info@bcvwd.gov) 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 72 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, April 2, 2025**

**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 was present as engineer for the Beaumont Basin Watermaster (BBWM).*

*Thomas Harder was present as hydrogeologist for BBWM.*

*Thierry Montoya was present as BBWM legal counsel.*

*Members of the public who registered and / or attended:*

Thaxton Van Belle, City of Beaumont  
Allison Edmisten, Yucaipa Valley Water District  
Erin Anton, Yucaipa Valley Water District  
Jennifer Ares, Yucaipa Valley Water District  
Micah Knox, Yucaipa Valley Water District  
Joyce McIntire, Yucaipa Valley Water District  
Nyles O’Harra, Yucaipa Valley Water District  
Brett Granlund, Yucaipa Valley Water District  
Brittany Lim, South Mesa Water Company  
Lance Eckhart, San Geronio Pass Water Agency  
Kevin Walton, San Geronio Pass Water Agency  
Matthew Howard, San Geronio Pass Water Agency  
Emmett Campbell, San Geronio Pass Water Agency  
Shah Nawaz, City of Banning  
Matt Ford, Thomas Harder & Co.  
Jim Van de Water, Thomas Harder & Co.  
Lauren Healey, Thomas Harder & Co.  
Evan Ward, Beaumont-Cherry Valley Water District  
Robert Rasha, Beaumont-Cherry Valley Water District  
Lynda Kerney, Beaumont-Cherry Valley Water District  
Wes Miliband, Miliband Water Law

### III. Pledge of Allegiance

### IV. Public Comments:

Attorney Wes Miliband, representing the Morongo Band of Mission Indians, provided written correspondence and requested the Committee agendaize a discussion on the transfer of overlying rights.

### V. Consent Calendar

#### A. Meeting Minutes

- i. February 5, 2025 Regular Meeting
- ii. March 5, 2025 Special Meeting

#### B. Status Report on Water Level Monitoring throughout the Beaumont Basin through March 18, 2025

*It was moved by Member Zoba and seconded by Member Jagers to approve Consent Calendar items A and B*

AYES: Armstrong, Jagers, Vela, Zoba  
NOES: None  
ABSTAIN: None  
ABSENT: Vestal  
STATUS: Motion Approved 4-0

#### C. A Comparison of Production Rights versus Production through February 2025

*It was moved by Member Jagers and seconded by Member Zoba to approve Consent Calendar item C with correction to the Storage Account Balance table as of December 2024 (not 2023)*

AYES: Armstrong, Jagers, Vela, Zoba  
NOES: None  
ABSTAIN: None  
ABSENT: Vestal  
STATUS: Motion Approved 4-0

### VI. Reports

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

*Mr. Blandon reported the problems at BCVWD well 25 have been solved and new probes will be installed. Banning M-8 continues to have problems and will be monitored on a monthly rather than hourly basis.*

11:18 a.m. Committee Member Vestal arrived.

- B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co. (THC) – No report.
- C. Report from Legal Counsel – Thierry Montoya – Frost, Brown, Todd – No report.
- D. Financial Status Report – Period Ending February 28, 2025 – BBWM Treasurer Joe Zoba pointed to the report showing the fund balance status, budget status, and open and closed task orders. There were no questions.

## **VII. Workshop / Discussion Items**

- A. Update on the Analysis of Losses in the Beaumont Basin - Thomas Harder & Co.

Recommendation: None. For information and discussion

*Thomas Harder of Thomas Harder & Co. (TH&Co) presented an update on the progress of the Beaumont Basin loss analysis following the March Special Meeting. Harder recapped that the project is a forward-looking groundwater modeling effort intended to forecast potential basin losses under varying hydrological conditions. Since the March meeting, TH&Co engaged in detailed correspondence and a meeting with San Geronimo Pass Water Agency (SGPWA) staff to refine imported water delivery scenarios.*

*Harder described the revised modeling approach based on three hydrologic scenarios: Baseline, Dry, and Wet. For each scenario, imported water deliveries were forecasted using historical Department of Water Resources (DWR) Table A allocation percentages corresponding to identified proxy periods. The Baseline scenario assumes an average hydrological period (2005–2014), Dry reflects about 10% below average conditions, and Wet reflects about 10% above average conditions. Detailed tables were shown to illustrate how these historical conditions and allocation percentages were used to generate assumptions about available imported water supplies and basin capacity over a 50-year forecast period.*

*The presentation detailed the model inputs, including the assumptions around the Brookside West Basins becoming operational in 2030, adjustments for basin capacity versus theoretical supply, and additional water sources such as Article 21, Nickel, Yuba, and Sites Reservoir supplies. Harder noted that under long-term average conditions, the basin would receive approximately 13,792 acre-feet annually, with lower averages for Dry conditions (11,033 AF) and higher for Wet conditions (16,292 AF).*

*Importantly, supplies were capped at 27,000 AF in any given year to reflect physical limitations.*

*Committee members expressed appreciation for the thorough work and coordination. Jagers noted that the modeling effort appeared robust and provided a solid foundation for anticipating boundary conditions for future imported water supplies. In closing, Harder outlined the next steps: finalizing the historical model runs with/without managed recharge, setting up and analyzing the forecasted recharge scenarios, conducting particle tracking analyses, and preparing to present results at a proposed July 2025 workshop.*

B. Certification of Groundwater Production, Imported Water Spreading, and Change in Storage in the Beaumont Groundwater Basin in Water Year 2024

Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Basin in Water Year 2024

*Anibal Blandon of ALDA presented the annual report of amount of production, groundwater production, the amount of important water deliveries and the changing groundwater storage done on a water year basis and reported to the DWR by April 1. He reviewed the figures in the report (water year):*

- *Total production: 14,650 acre-feet (af)*
- *Metered production: 14,637 af (exceeding 99 percent of total production)*
- *State Water Project deliveries: 15,387 af*
- *Total water use: 14,650 af*
- *2024 change in storage for the water year: +312 af*

*Blandon said this information was submitted to the BBWM Committee on March 20 and he understood it had been submitted to the DWR website. A copy of the final annual report will be submitted, also.*

*The Committee took no action: there was no vote to certify the report.*

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, 2024

*Treasurer Zoba presented the Report: Beginning the 2023-2024 fiscal year, the BBWM had an unrestricted fund balance of \$324,597. During*

*the year, the Watermaster collected \$197,730 in revenues and expended \$462,303 as contracts out with consultants. As of June 30 on 2024 the water master had an unrestricted net position of \$60,024.*

It was moved by Member Jaggars and seconded by Member Armstrong to receive and file the Independent Accountant's Financial Report for the period ending June 30, 2024

AYES: Armstrong, Jaggars, Vela, Vestal, Zoba  
NOES: None  
ABSTAIN: None  
ABSENT: None  
STATUS: Motion Approved 5-0

D. Consideration of the Watermaster Budget for Fiscal Year 2025-26

Recommendation: Approve the Budget for Fiscal Year 2025-26 and invoice each Committee member for administrative expenses

Treasurer Joe Zoba reminded that costs are usually split between the five Committee member agencies. The Watermaster has not, however, recently been invoicing for administrative costs, which has tended to drive down the fund balance for legal fees which are not collected on a regular basis. This year's budget includes \$27,500 for legal expenses, reserve funding of \$20,000, and the annual audit for \$2,250. The recommended budget would necessitate invoicing each member for \$9,935 for routine administrative expenses.

Member Jaggars pointed out that the ESRI data management cost is recurring annually, and Member Zoba noted that it was a task order expense but could be included as an administrative cost. For the current contract year, the expense will come from reserves and will be addressed in next year's budget.

It was moved by Member Jaggars and seconded by Member Zoba to Approve the Budget for Fiscal Year 2025-26 and invoice each Committee member for administrative expenses

AYES: Armstrong, Jaggars, Vela, Vestal, Zoba  
NOES: None  
ABSTAIN: None  
ABSENT: None  
STATUS: Motion Approved 5-0

E. Presentation of Draft 2024 Consolidated Annual Report and Engineering Report

Recommendation: None. Presentation only; no action required

Hannibal Blandon of ALDA, Inc., in association with Thomas Harder & Company, presented the Draft 2024 Consolidated Annual Report and Engineering Report to the Committee. He highlighted key sections of the report, including resolutions, groundwater production, financials, basin conditions, water transfers, spreading, and water quality for the 2024 calendar year . The presentation also reviewed the Operating Safe Yield (OSY) estimates and provided a comparison of groundwater production trends among agencies and overlayers.

Member Armstrong questioned the Watermaster's engineering costs of \$375,000, noting a concern that basin studies have been ongoing since the 1930s. He recommended reducing redundant expenditures. Blandon clarified that the high cost was primarily due to the legally required ten-year Safe Yield re-evaluation, along with support work such as the basin loss analysis.

Committee members engaged in detailed discussions regarding precipitation trends, groundwater production fluctuations, and the impact of mass grading projects on production numbers. Jagers remarked that peak production figures could reflect construction cycles and encouraged a holistic view of production trends. Blandon acknowledged the value of including broader context in future reports, such as production compared to total water supply sources.

In reviewing groundwater storage accounting and flow directions, Tom Harder pointed out the Annual Report's section on the Operating Safe Yield (OSY) may no longer be meaningful due to inconsistencies in interpreting losses and changes in storage. Harder acknowledged that the OSY is not mentioned in the Judgement and is not informative for the Watermaster. Harder proposed removing the OSY section from the annual report. Member Zoba recommended retaining the OSY section but supplementing it with a historical table to monitor trends and better understand anomalies.

Chair Vela and Member Jagers agreed that while the OSY should be maintained for consistency and continuity, it must be accompanied by clear narrative explanations to prevent misinterpretation, especially when negative OSY values appear. Jagers further suggested that any perceived losses of water from the basin could be addressed in the future through physical recovery and redelivery efforts, highlighting potential operational strategies.

Based on the consensus of the Committee, the consultant was directed to retain the OSY section, provide historical data in tabular form, and add narrative language to explain and qualify results where necessary. Harder and Bandon confirmed they would implement these changes in the next draft.

Bandon provided a summary of groundwater quality observed from 2020 to 2024 at wells owned by the appropriators and overlies. Chair Vela inquired about the status of new Chromium-6 regulations effective October 2024. Bandon confirmed that data reflecting the new standards were not yet available but agreed to add a note acknowledging this fact in the final report. Additionally, Committee members requested that the missing 2024 wastewater recharge data from the City of Beaumont be obtained and included in the final report. Bandon agreed to forward the outstanding data request to City representatives and coordinate follow-up.

Regarding next steps, Bandon requested formal written comments from the Committee members by May 16, 2025, to allow incorporation of edits before the June 4, 2025 regular meeting. Bandon committed to issuing reminders and providing an updated draft ahead of the meeting to facilitate Committee review and potential approval. There was also agreement that, if necessary, a second draft could be circulated in June, with final approval delayed until August.

**VIII. Topics for Future Meetings**

	Item	Date Listed
A	Development of a Recycled Water Policy including Incidental Discharge	3/27/2019
B	Development of a return flow accounting policy	3/27/2019
C	Monitoring of future west side well sites and methodologies, and potential collaboration with USGS	10/5/2022
D	Discussion on what to do when an Appropriator goes negative	10/4/2023 and 11/1/2023
E	Discussion on Policy to Document and Account for Emergency Potable Water Transfers from Appropriator to Overlying Party (Tabled from 4/17/24 meeting)	4/17/2024
F	Procurement Policy including thresholds for RFP process	8/17/2021

**IX. Comments from the Watermaster Committee Members:** None.

**X. Announcements**

Wednesday, June 4 at 11 a.m.	Regular Meeting
Wednesday, August 6 at 11 a.m.	Regular Meeting
Wednesday, October 1 at 11 a.m.	Regular Meeting
Wednesday, December 3 at 11 a.m.	Regular Meeting

**XI. Adjournment**

*Chair Vela adjourned the meeting at 12:28 p.m.*

Attest:

***DRAFT UNTIL APPROVED***

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Daniel Jagers, Secretary  
Beaumont Basin Watermaster

## BEAUMONT BASIN WATERMASTER

**Date:** June 11<sup>th</sup>, 2025

**From:** Hannibal Blandon, ALDA Inc.

**Subject:** Status Report on Water Level Monitoring throughout the Beaumont Basin through May 28, 2025

**Recommendation:** No recommendation.

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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 Basin. The location of active monitoring wells is depicted in Figure No. 1 attached. The location of three 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 six years a significant decline has been observed. A 22-foot decline has been recorded at YVWD 34 over this period to its current elevation of 2,120 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 an elevation of 2,331 ft. in the spring of 2023. Over the last 24 months, a significant recovery has taken place to its current elevation of 2,436 ft., the highest level recorded since monitoring began. 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.; over the next three years, water level declined 57 feet 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 2023 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 52 ft. to elevation 2,297 ft., just five feet below the highest recorded level of 2,302 ft. in the spring of 2020.

- ✓ 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 was secured to minimize further vandalism. The newly installed optical communications cable worked for a few months, but failed to transmit and was replaced on January 10, 2024 with a similar cable and has been working fine since. Beginning in the spring of 2024, water level at this well declined 10 ft. into the summer; however, it is currently recovering to the middle of its operating range to an elevation of 2,512 ft.
- ✓ Also depicted in Figure No. 4 is the water level at the Sun Lakes well site. It 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 2,419 ft in the last two years. After a number of optical communications cables were used and replaced due to factory defect, the latest cable, installed in Jan 2024, has been working properly since.
- ✓ 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 between elevations 2,197 ft and 2,199 ft., a somewhat significant and steady decline, close to 40 feet, has been recorded at Banning M-8 between the summer of 2015 and the fall of 2024 to an elevation of 2,039 ft., last recorded on October 16, 2024. Since that time, communications with the probe have not been established and the communications cable is stuck inside the well. Several attempts were made between October 2024 and February 2025 without success. As a result, water levels are now measured manually. Figure 5 shows the last three manual readings at this well. Current water level is at elevation 2,049 ft.
- ✓ Also depicted in Figure 5 is the water level at Banning M-9. It has fluctuated in a 19-foot range, between 2,128 ft and 2,147 ft. Current water level elevation is at 2,140 ft. While the water level probe has been collecting data hourly at this well, over the last two years, 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 2024 visit and continued to work through our latest 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 2,192 ft; since, water level is recovering to the March 2024 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. Water level in the spring of 2024 was at an elevation of 2,203 ft. Since that time, Over the last year water level information has not been reported due to a combination of inconsistent recorded data and the communications cable being stuck in the well. During our March 2025 visit, the communications cable was finally removed from the well and a new probe installed; unfortunately, communications could not be established during our latest visit.
- ✓ At BCVWD No. 2, also depicted in Figure No. 6, water levels since 2017 have ranged between 2,188 ft and 2,216 ft with a current elevation of 2,212 ft. closer to the upper portion of the operating range. 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 through March 2024 due to malfunctioning of the recording probe. A different probe was installed at that time and has been working fine since.
- ✓ 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 March 2024 water level was recorded at 2,218 ft representing the highest recorded level since monitoring began. No water level information was available between March and September 2024 due to malfunctioning of the recording probe. The latest recorded level was at elevation 2,217 ft. Water level data for the last two months is not available as the probe needs to be replaced.

## Monitoring Wells Additions

None during this period

## Equipment Installation and Replacement

No replacements took place during the reporting period.

## Troubleshooting Issues

The probe at BCVWD No. 25 was replaced during our March visit using the existing communications cable. While good communication was established during that visit, communications could not be established during our most recent visit.

At Noble Creek Park, the communications cable is not working. The cable was pulled and upon inspection, several portions of the cable's protective coating had been ripped resulting in interruptions in communications. This 500 ft cable needs to be replaced.

At Noble Creek the communications cable in the shallow aquifer well needs to be replaced as it has not been working properly over the last year. This is a 500 ft cable.

At Tukwet B, the communications cable is not working. This cable was pulled and inspected without any physical defects observed. This 100 ft cable needs to be replaced.

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

- ✓ Mountain View
- ✓ Noble Creek Park
- ✓ Noble Creek Spreading Grounds – Shallow aquifer well

## Potential Monitoring Sites

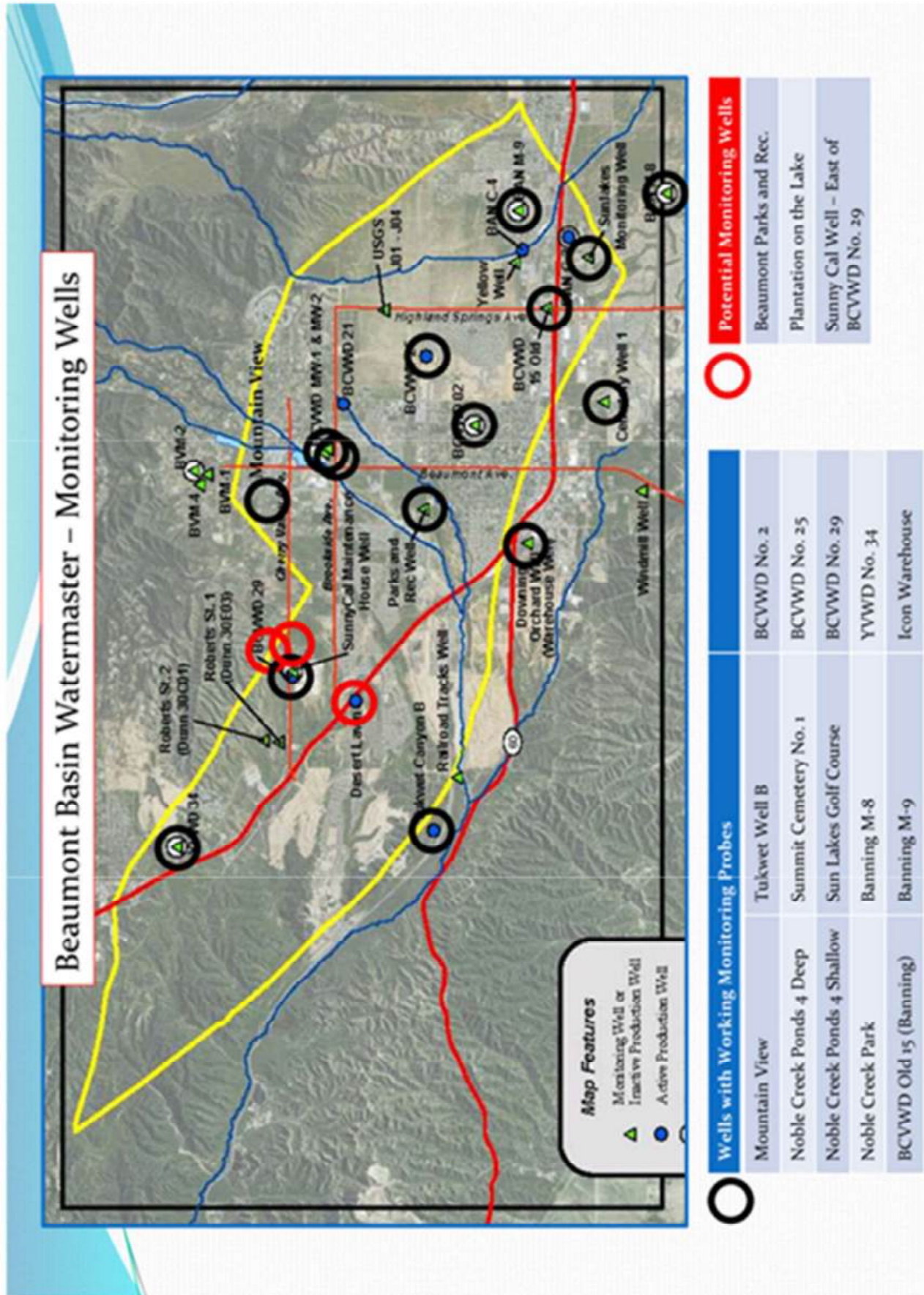
Two production wells have been identified as potential monitoring wells recently. The owners have been contacted and the sites visited. The first well is owned by the Beaumont-Cherry Valley

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.

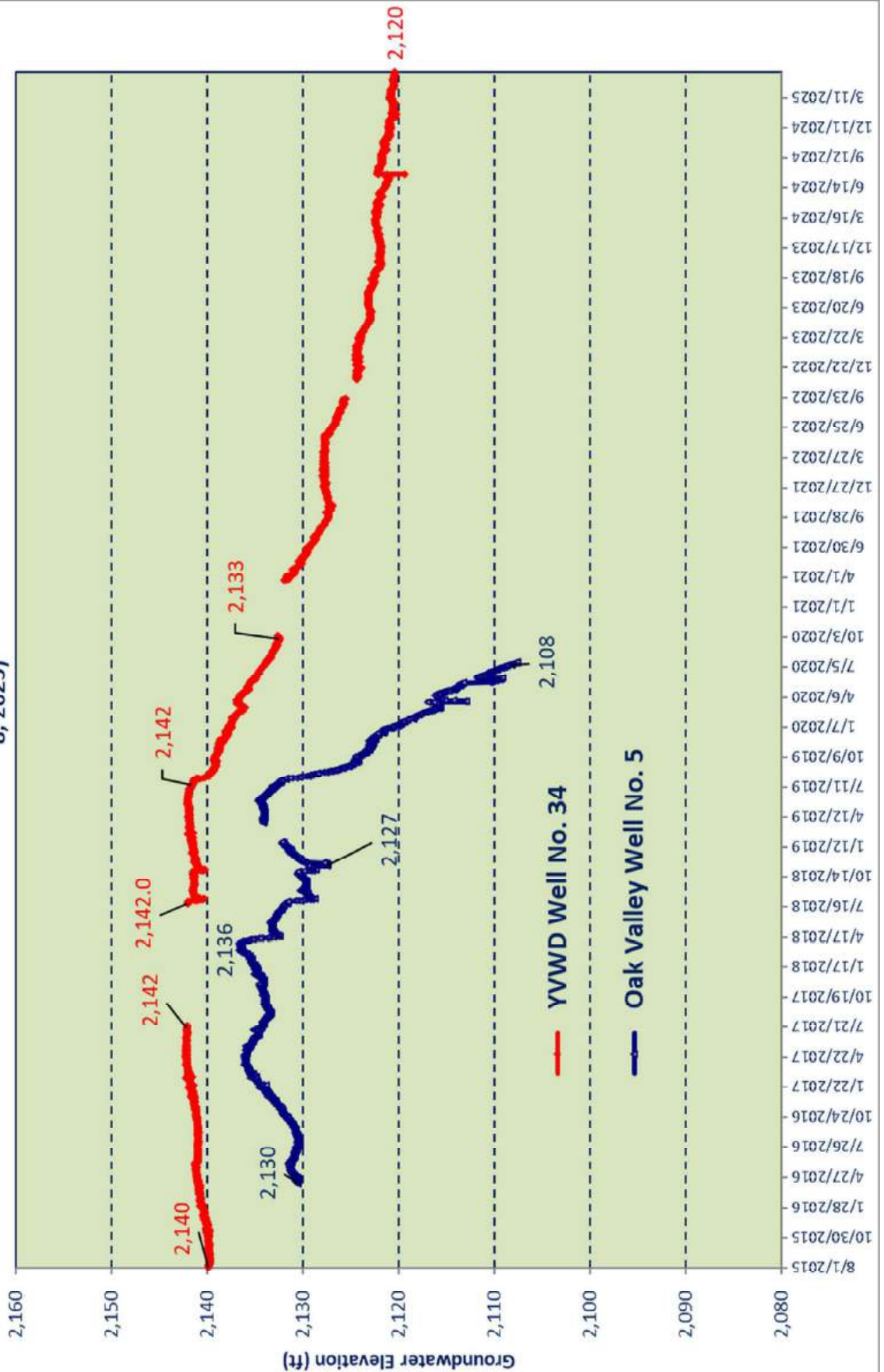
Upon construction of these facilities, this well will be available to irrigate nearby lands; a monitoring probe could be installed with minor modifications at the well head.

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.

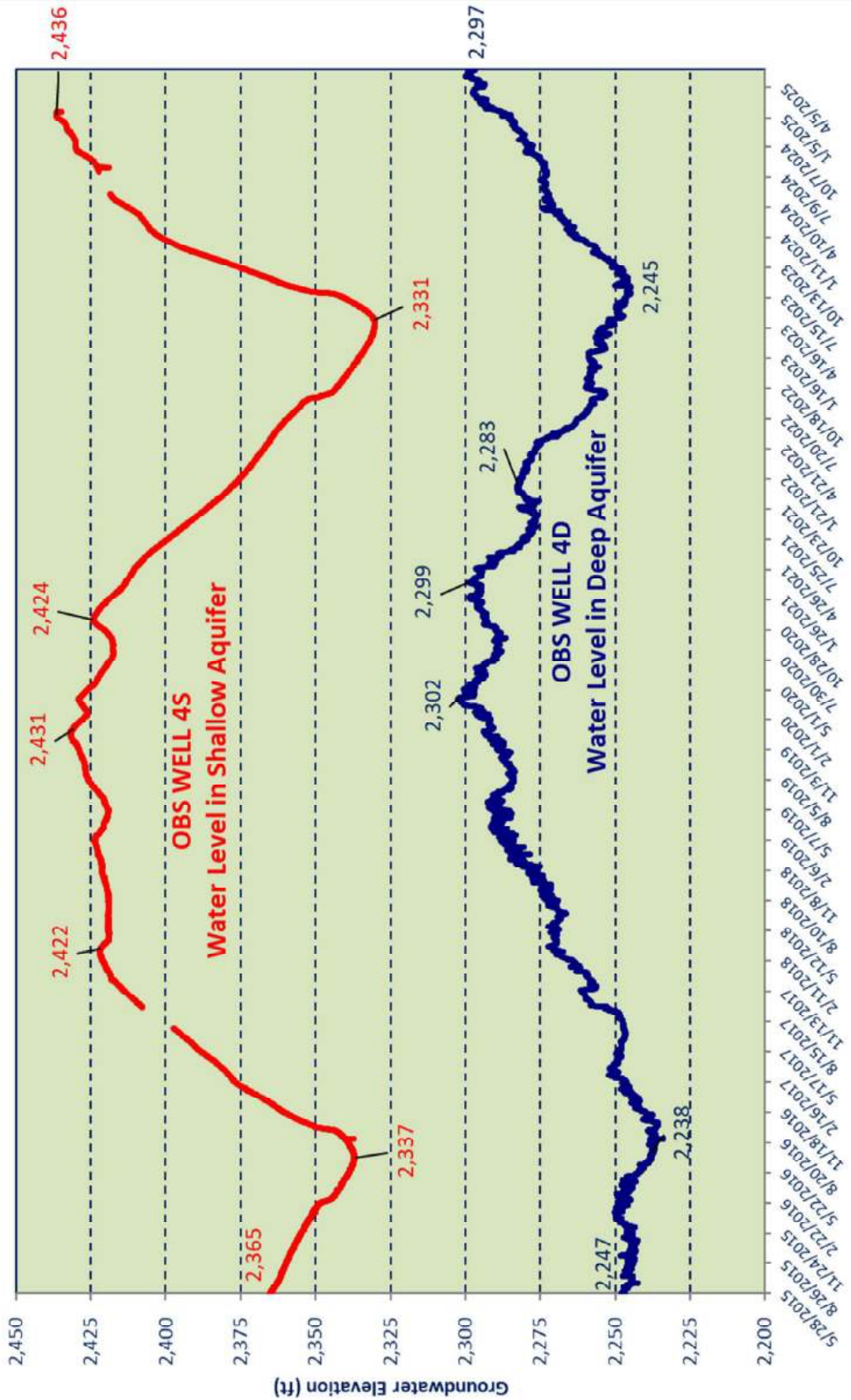
In addition to the two production wells, a new monitoring groundwater well, located approximately 400 ft east of BCVWD No. 29 is currently being considered. Water level at this well is 400 ft below surface and the well has a measured depth of 465 ft



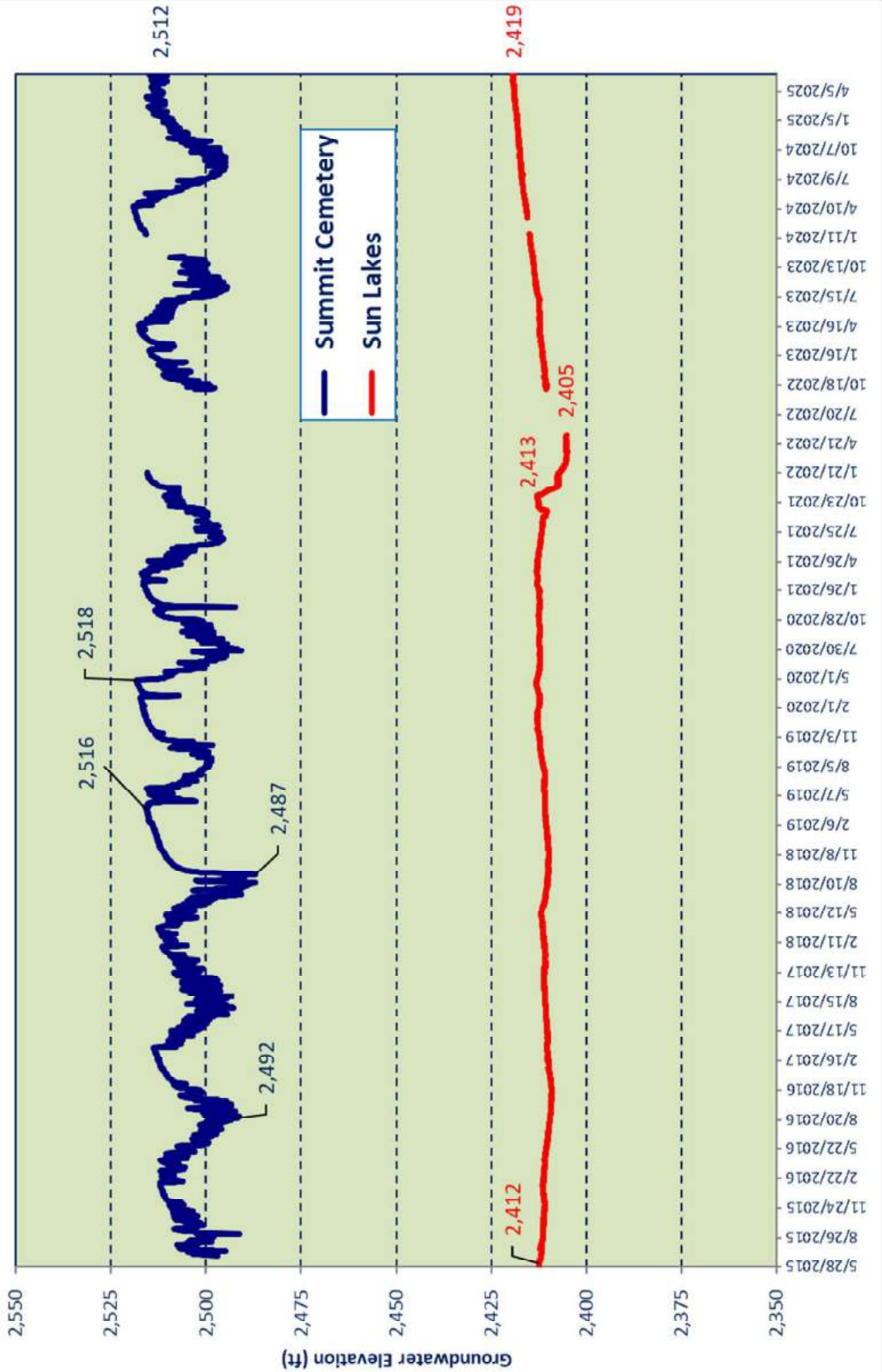
**Figure No. 2**  
**Static Groundwater Elevations at YVWD No. 34 and Oak Valley No. 5**  
 (July 29, 2015 through May 28, 2025)



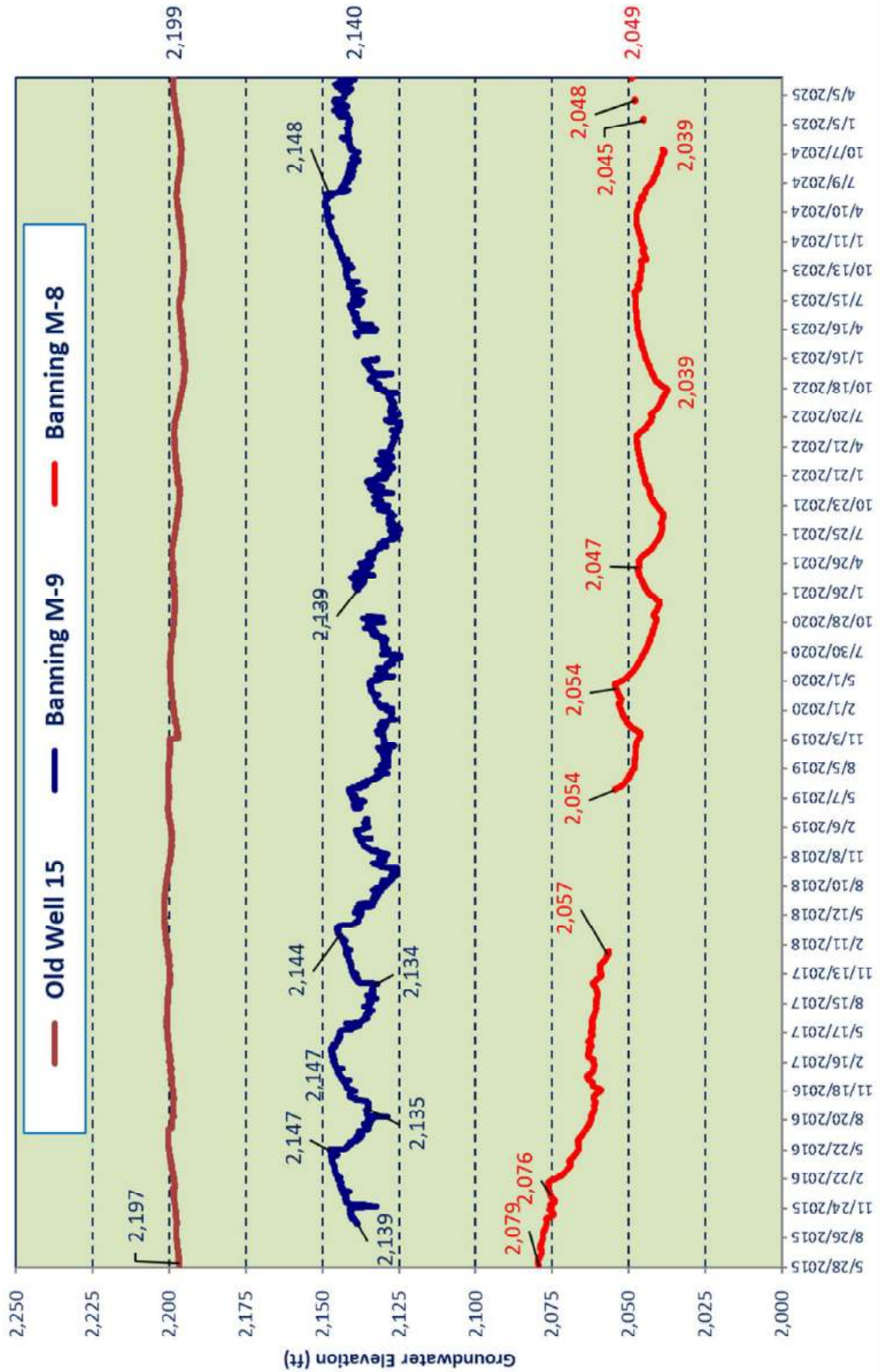
**Figure No. 3**  
**Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D**  
 (May 28, 2015 through May 28, 2025)



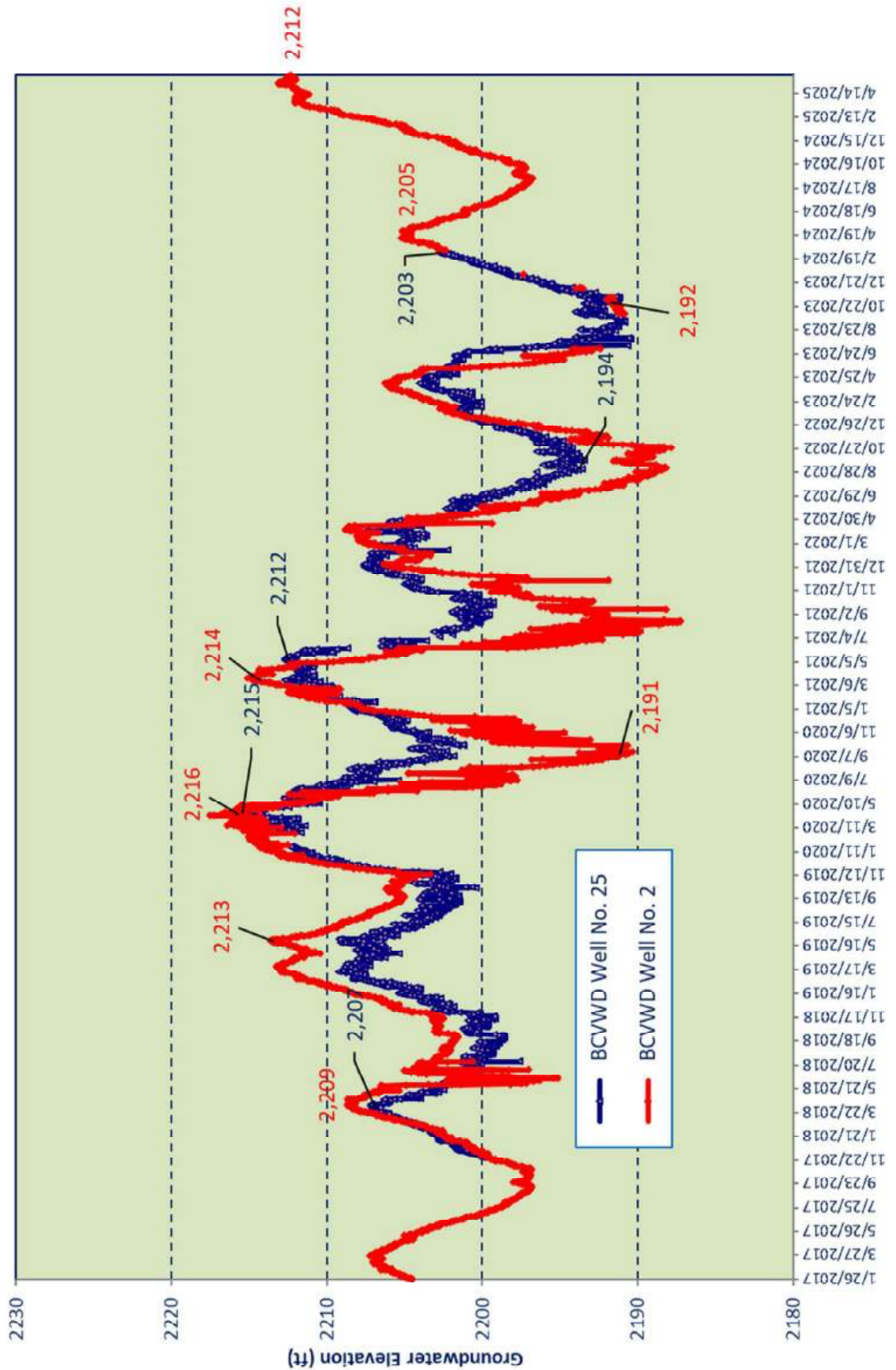
**Figure No. 4**  
**Static Groundwater Elevations at Summit Cemetary and Sun Lakes Wells**  
 (May 28, 2015 through May 28, 2025)



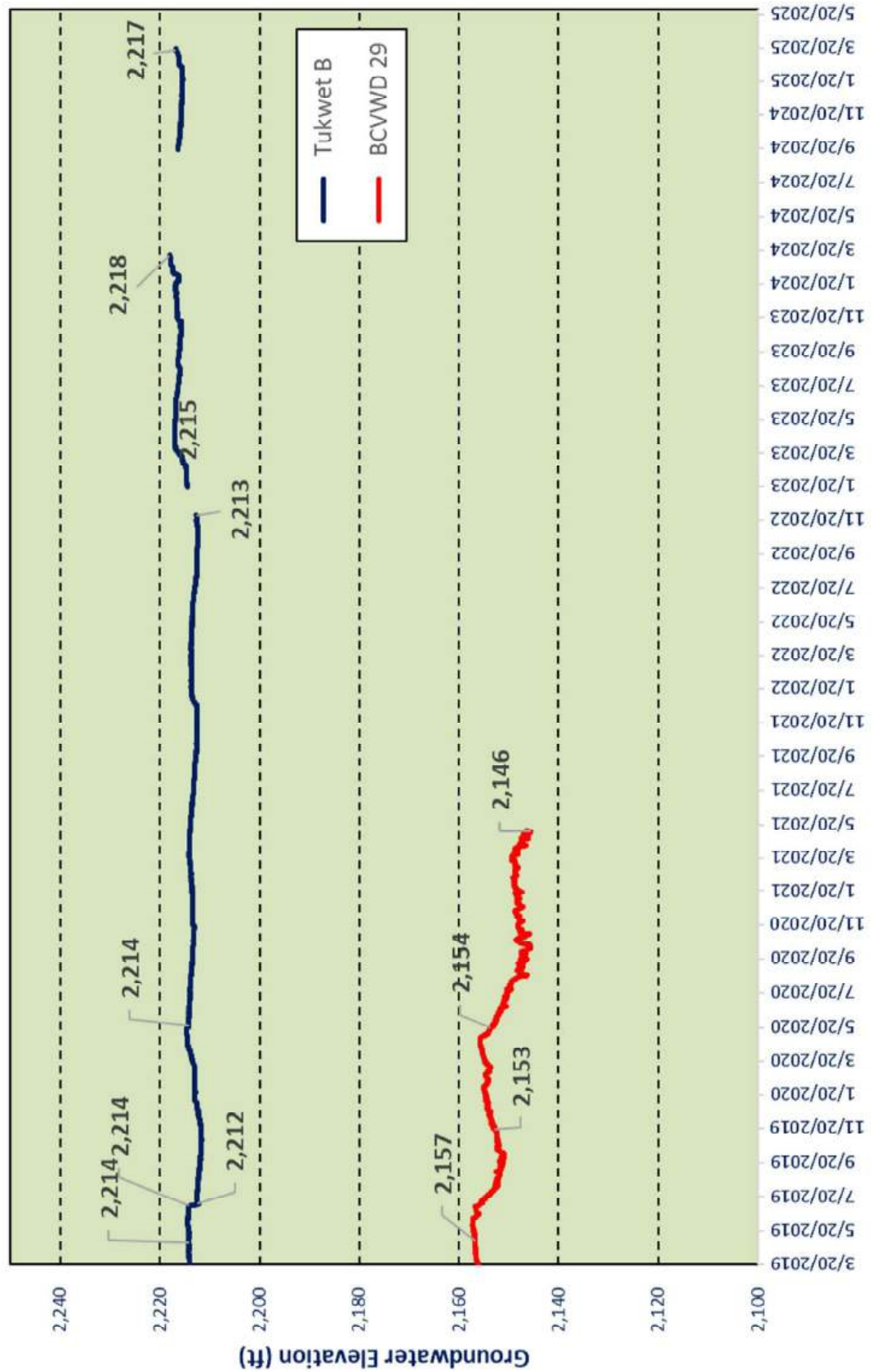
**Figure No. 5**  
**Static Groundwater Elevations near the Banning Basin**  
 (May 28, 2015 through May 28, 2025)



**Figure No. 6**  
**Static Groundwater Elevations at BCVWD Wells No. 2 and 25**  
(Jan 26, 2017 through May 28, 2025)



**Figure No. 7**  
**Static Water Level at BCVWD No. 29 and Tukwet Cyn Well B**  
(Mar 20, 2019 through May 28, 2025)



**BEAUMONT BASIN WATERMASTER**

**Date:** June 11, 2025  
**From:** Hannibal Blandon, ALDA Inc.  
**Subject:** A Comparison of Production Rights vs Production through Apr 2025  
**Recommendation:** No recommendation - For informational purposes only.

This Technical Memorandum presents a comparison of Appropriator’s Production Rights from the Beaumont Basin against actual production. At the beginning of each year, Appropriators have certain Production Rights resulting from: a) unused production by overlying users from 2020 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 in 2025 through April was 3,416 ac-ft while Appropriator’s Production Rights for the same period were 8,735 ac-ft resulting in a positive storage balance of 5,319 ac-ft, as presented in the table below. Spreading of supplemental water for this period was 3,663 ac-ft solely 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. Change in storage accounts will be adjusted throughout the calendar year. SGPWA increased its pre-stored water balance to 3,298 ac-ft for the reporting period.

	City of Banning	Beaumont Cherry Valley W.D.	South Mesa Mutual W.C.	Yucaipa Valley W.D. <sup>(1)</sup>	Total
Appropriative Water Rights	1,444	1,953	573	624	4,594
Transfer of Overlying Water Right to Appropriator	0	0	0	478	478
Supplemental Water	0	3,663	0	0	3,663
Appropriator’s Production Right	1,444	5,616	573	1,102	8,735
Production <sup>(2)</sup>	548	2,488	77	303	3,416
Change in Storage Account	896	3,128	496	799	5,319
Storage Account Balance as of December 2023	49,226	38,068	10,888	19,009	117,191

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

2.- Production by the City of Banning may be supplemented by transfers from BCVWD – 92.73 ac-ft reported between Jan and April 2025.

# **Discussion Items**

## ITEM VII-A

### BEAUMONT BASIN WATERMASTER

#### MEMORANDUM NO. 25-16

**Date:** June 11, 2025

**From:** Dan Jagers, BBWM Secretary

**Subject:** Consideration of a request from the Morongo Band of Mission Indians (MBMI) to further amend the Beaumont Basin Judgment to authorize the transfer of overlying groundwater rights to other parties, including appropriators. The proposal would remove existing limitations that tie overlying rights to appurtenant land.

**Recommendation:** Discussion only. No action.

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At the April 2, 2025 meeting of the BBWM Committee, Attorney Wesley A. Miliband, representing the Morongo Band of Mission Indians, addressed the Committee and delivered a written Request to Consider Amendment to the Judgment to Authorize Transfers.

This item is for discussion only. The Committee may give direction to staff or consultants.

Attachment: Correspondence from Mr. Miliband, dated April 1, 2025



MILIBAND WATER LAW  
3626 Fair Oaks Boulevard, Suite 100  
Sacramento, California 95864  
(916) 245-2889  
[wes.miliband@mwaterlaw.com](mailto:wes.miliband@mwaterlaw.com)  
[www.mwaterlaw.com](http://www.mwaterlaw.com)

April 1, 2025

Beaumont Basin Watermaster  
560 Magnolia Avenue  
Beaumont, California 92223

Hand-Delivered on April 2, 2025 at Beaumont Basin Watermaster Board Meeting

Re: Beaumont Basin Judgment: Request to Consider Amendment to the Judgment to Authorize Transfers

Dear Beaumont Basin Watermaster:

I serve as legal counsel to the Morongo Band of Mission Indians (“Tribe”). In that capacity, I am writing to request that the Beaumont Basin Watermaster (“Watermaster”) agendaize for its June 4, 2025 Board meeting the following discussion and potential action item:

Amendment to the Beaumont Basin Judgment<sup>1</sup> to allow the transfer of overlying rights to other parties, including appropriators.

Currently, the Judgment does not allow overlayers to transfer their water right due to its application of the forbearance approach. That approach may have contemplated circumstances that never fully evolved, but instead have proven to be problematic, undesirable, and contrary to legal authorities, including the State Constitutional requirements under Article X Section 2 “...that the water resources of the State be put to beneficial use to the fullest extent of which they are capable...”

Though this correspondence is offered to the Watermaster to be received at its Regular Board Meeting on April 2, 2025, this correspondence does not purport to identify each factual and legal reason underlying the Tribe’s request that the Watermaster agendaize this topic at its June 4, 2025 meeting. Instead, key considerations for the Watermaster to evaluate the Tribe’s request and to publicly agendaize the item for public discussion, are presented below:



- (1) The Judgment limits an overlier's water right to the property(ies) for which the overlying right was established, thus limiting an appropriator's use of the overlying right only to the overlier's property(ies); and
- (2) This limitation has been regularly scrutinized over the years with the Watermaster and parties contemplating changes to the Watermaster's Rules and Regulations, including:
  - a. Amendments to the Rules and Regulations in 2008, 2012, and 2022;
  - b. Efforts in 2021 to Rescind Rule 7.3; and
  - c. Watermaster agenda items, including more recently:
    - i. seeking a consultant's evaluation of the Rules and Regulations for potential changes, and,
    - ii. "[d]iscussion on what to do when an Appropriator goes negative." (See, 2025-04-02 Beaumont Basin Watermaster Agenda, page 3, Section VIII (Topics for Future Meetings), Item D.)

The Tribe seeks to work with the Watermaster and the parties to the Judgment to create a more appropriate set of provisions in the Judgment for the Court's consideration and approval. Subject to the Court's intervention and rulings, the Watermaster Rules and Regulations would necessarily be amended.

We look forward to the Watermaster's response. We hope that a cooperative effort can be undertaken to address this important matter. Please feel free to contact me with any questions.

Very truly yours,

Wesley A. Miliband

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<sup>1</sup> "Judgment" refers to and means the Judgment Pursuant to Stipulation Adjudicating Groundwater Rights in the Beaumont Basin, entered February 4, 2004 and as amended March 14, 2019.

**VII - B**

# Beaumont Basin Watermaster

## Subsurface Outflow Analysis (1978-2022)

June 11, 2025

Thomas Harder & Co.  
Groundwater Consulting 

1

## Subsurface Outflow Historical Assessment (Task 1)

**Purpose:** To evaluate changes in subsurface outflow from the Basin before and after the implementation of managed recharge.

**Method:** Quantify subsurface outflow from the Basin during two different historical periods and conduct particle tracking to determine flow paths and travel times of supplemental recharge.

**Goal:** To better understand the impact of managed recharge on subsurface flow dynamic and support future water management decisions.

*Based on TH&Co Proposed Scope of Work dated November 22, 2024*

Thomas Harder & Co.  
Groundwater Consulting 

2

# Study Area and Imported Water Deliveries



**Map Features**

- East Beaumont Study Area
- West Beaumont Study Area
- Beaumont Adjudicated Boundary
- Recharge Basin
- Freeway/Highways
- Creek

**Beaumont Basin Annual Imported Water Deliveries**  
(acre-feet)

Calendar Year	Noble Creek Recharge Facility (NW & SE)	Brookside East Recharge Facility	Brookside West Recharge Facility	Annual Total
2006	3,501	0	0	3,501
2007	4,501	0	0	4,501
2008	3,933	0	0	3,933
2009	5,482	0	0	5,482
2010	7,065	0	0	7,065
2011	8,779	0	0	8,779
2012	8,983	0	0	8,983
2013	8,634	0	0	8,634
2014	5,013	0	0	5,013
2015	3,467	0	0	3,467
2016	10,796	0	0	10,796
2017	14,940	0	0	14,940
2018	12,621	0	0	12,621
2019	13,770	383	0	14,153
2020	11,005	464	0	11,469
2021	2,387	117	0	2,504
2022	1,311	500	0	1,811
<b>Average (2006-2022)</b>	<b>7,423</b>	<b>86</b>	<b>0</b>	<b>7,509</b>
<b>Total (2006-2022)</b>	<b>126,188</b>	<b>1,464</b>	<b>0</b>	<b>127,652</b>

Notes: These values were obtained from Table 1 of the 2023 Reevaluation of the Beaumont Basin Safe Yield, by TH&Co, dated November, 2024.



3

## Managed Recharge After 2005 Does Not Change Basic Inflow and Outflow Patterns in the Basin

**Adjudicated Boundary Pre-Managed Recharge (1978-2005)**



**Adjudicated Boundary With Managed Recharge (2006-2022)**



**Map Features**

- Groundwater Flow Zone
- Negative (Outflow)
- Insignificant
- Positive (Inflow)
- Active Model Domain
- No Flow Boundary / Impervious
- Beaumont Basin Adjudicated Boundary
- Recharge Basin
- Highways
- Creeks
- Groundwater Flow Direction

**Netflow Zones (acre-ft)**

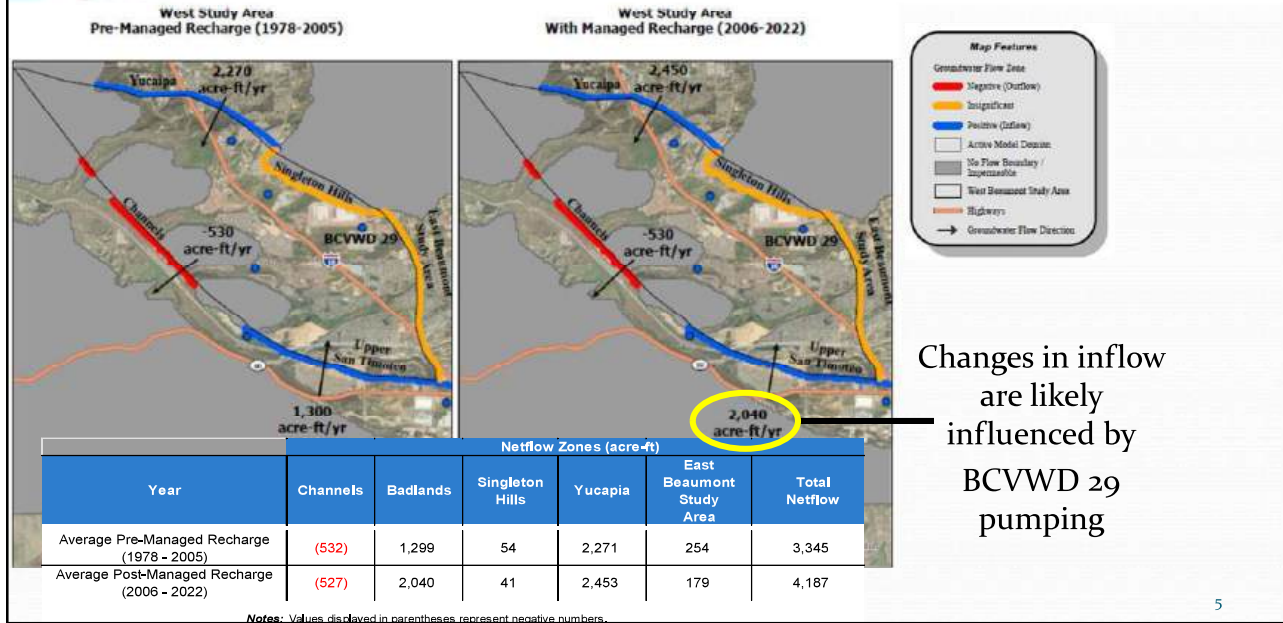
Year	Channels	Badlands	Southwest Fault	Southeast Fault	Beaumont	Banning	East	Cherry Valley	Singleton Hills	Yucaipa	Total Netflow
Average Pre-Managed Recharge (1978 -	(532)	1,306	36	130	1,320	(4,007)	48	5,443	53	2,271	6,068
Average Post-Managed Recharge	(527)	2,048	51	154	1,394	(5,759)	53	3,924	41	2,453	3,832

Notes: Values displayed in parentheses represent negative numbers.

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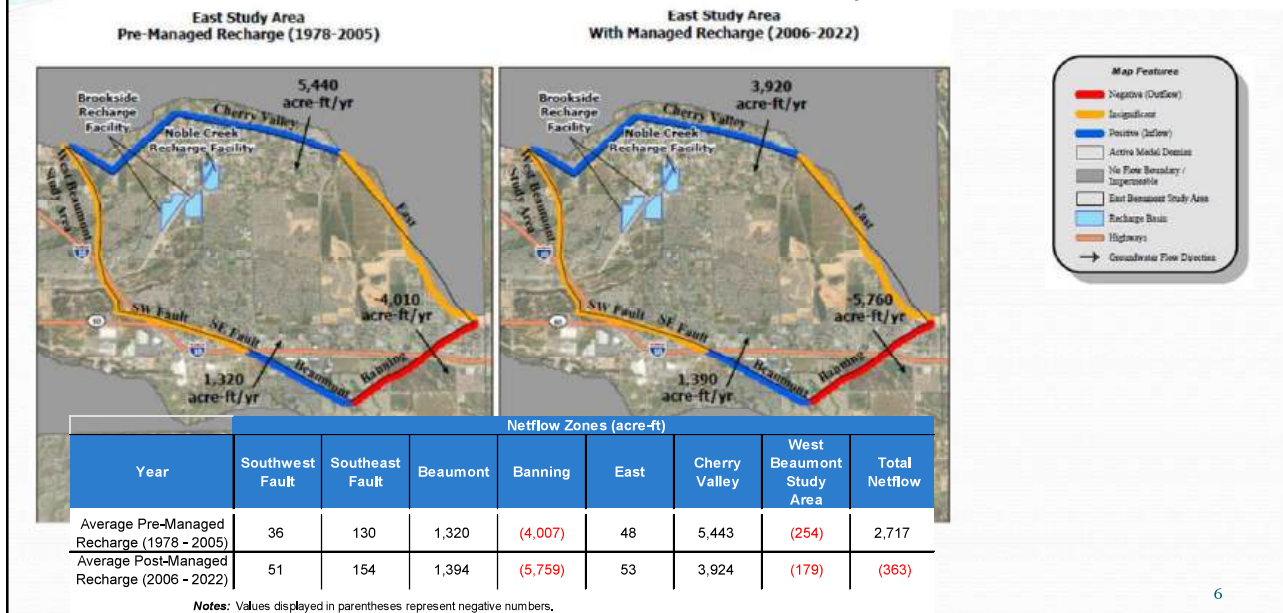
## Changes in Inflow and Outflow for the West Beaumont Area are Influenced by Factors Other than Managed Recharge



Changes in inflow are likely influenced by BCVWD 29 pumping

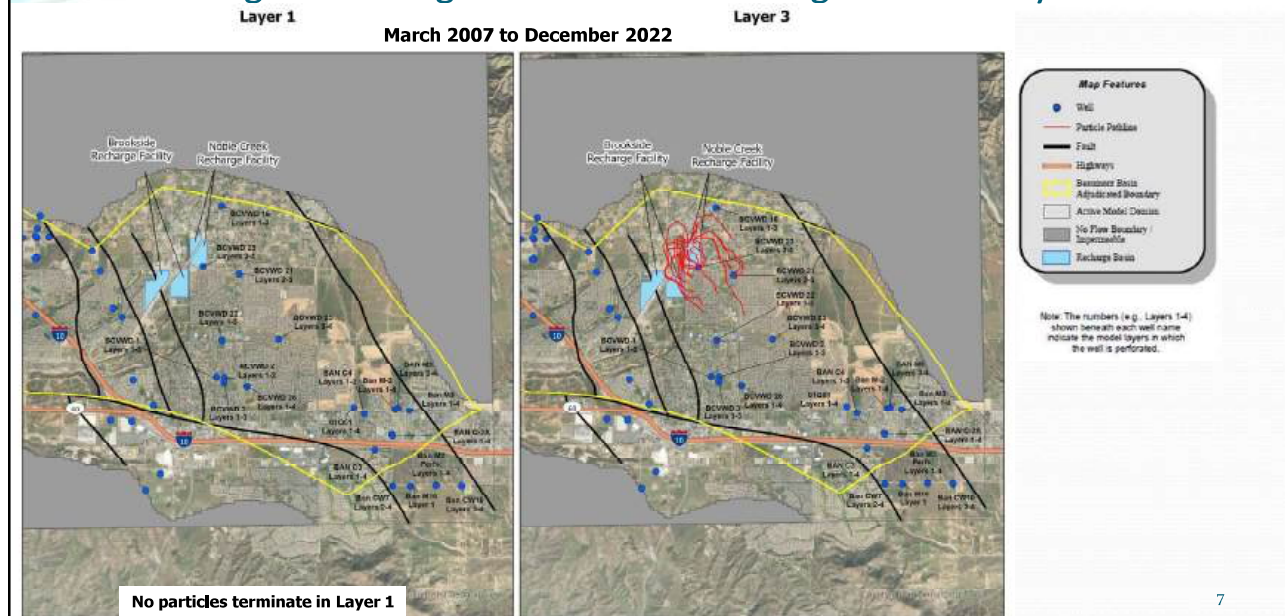
5

## Managed Recharge Influences both Inflow and Outflow from the East Beaumont Study Area



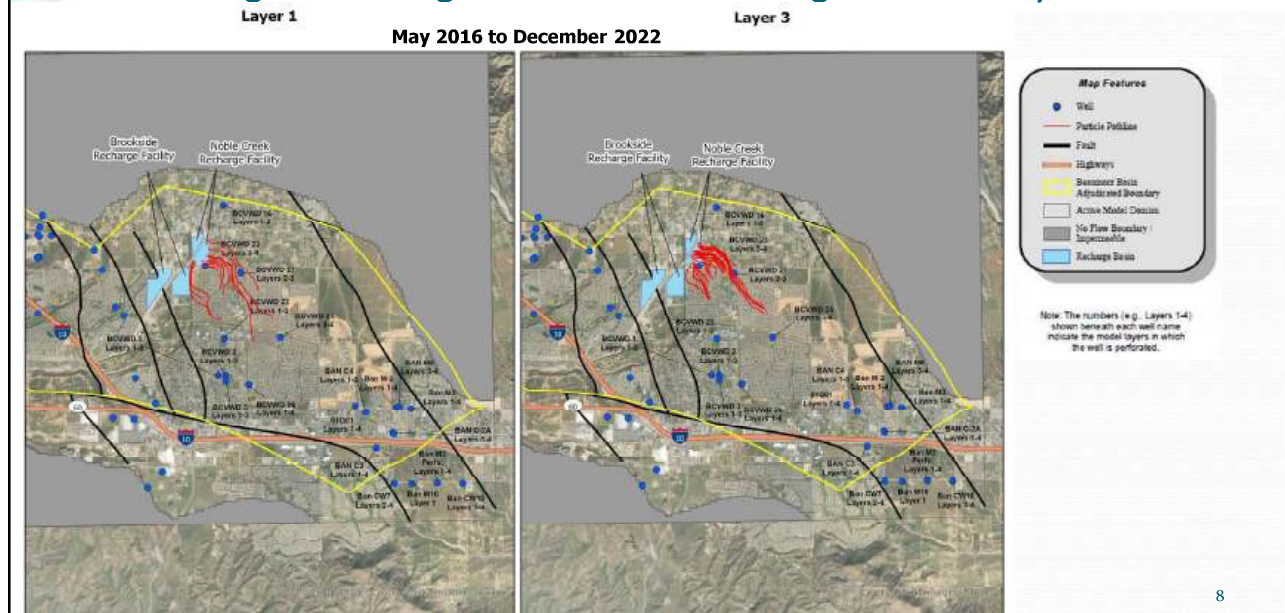
6

## Particle Tracking Results from the Noble Creek Northwest Basin show that Managed Recharge Water is not leaving the Basin by Dec. 2022



7

## Particle Tracking Results from the Noble Creek Southeast Basin show that Managed Recharge Water is not leaving the Basin by Dec. 2022



8

## Summary

- **Post 2005 managed recharge has minimal impacts on basin inflow and outflow patterns (i.e. flow direction).**
- **Shifts in inflow and outflow in the West Beaumont Study Area are likely driven by factors other than managed recharge (e.g. changing pumping patterns).**
- **Managed recharge affects both inflows and outflows in the East Beaumont Study Area.**
- **Particle tracking in the Noble Creek Basins suggests that the managed recharge water is not leaving the basin. Changes in basin inflow and outflow are due to pressure changes from changing hydraulic head conditions caused by the managed recharge.**

9

9

## Next Steps

- **TH&Co will be analyzing the three managed recharge forecast scenarios developed with SGPWA**
- **Changes in basin outflow for each scenario will be compared to a baseline condition**
- **The results of the forecast analysis of basin outflow will be presented to the Committee at the July Special Meeting**

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**BEAUMONT BASIN WATERMASTER**

**MEMORANDUM NO. 25-17**

**Date:** June 11, 2025

**From:** Hannibal Blandon, ALDA Inc.

**Subject:** 2024 Consolidated Annual Report and Engineering Report -  
Presentation of Comments Received on Draft Report

**Recommendation:** That the Watermaster Committee Considers Approving the 2024 Annual Report after Comments Received on the Draft Report are Presented and Discussed

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At the April 2, 2025 regular meeting, a draft of the 2024 Consolidated Annual Report and Engineering Report was presented. A formal presentation documenting the findings and recommendations was made. Members of the Watermaster Committee had the opportunity to ask questions during the presentation and requested that comments be submitted in writing and presented at the June 2025 special meeting.

During the April presentation, there were three sections of the report that were not described and discussed due to the lack of available information at that time. They are:

- ✓ Section 3.3.2 – Treated Wastewater Recharge. Monthly discharges from the WWTP were not available for CY 2024. A discussion of wastewater discharge is attached.
- ✓ Section 3.8 – Changes in Groundwater Levels in the Beaumont Basin.
- ✓ Section 3.9 – Operating Safe Yield. Supporting documentation for Sections 3-8 and 3-9 is also attached along with pertinent tables and figures.

In addition, the Watermaster Committee inquired about the impact of the new water quality regulation on Hexavalent Chromium (Chromium-6) would have on existing wells in the Beaumont Basin. Section 4.2.2 – Trace Metals has been expanded to include a discussion on Chromium-6. This discussion is attached.

Monthly Groundwater production for all wells owned and operated by Appropriators for CY 2024, documented on Table 3-1E, was provided to operations supervisors at all water agencies for a final check. The City of Banning indicated that the posted numbers for Banning C-4 needed to be revised. Revised numbers are included in a new Table 3-1E attached. This revision increased the total groundwater production in the basin from 15,402.7 ac-ft to 15,452.2 ac-ft, as documented in the attached Table 3-3. Tables 3-8, Appropriator’s Production Right, and Table 3-9, Consolidation of Storage Accounts, are also impacted for the City of Banning only. Corresponding information for all other water agencies remain as documented in the draft report. Impacted tables are attached.

Written e-mail comments on the draft report were received from all agencies, excepting the City of Beaumont. Comments were also received from Mr. Stuart, Administrative Support. The comments provided along with our response are also attached.

Should members of the Watermaster Committee be satisfied that all important comments have been addressed properly, we recommend that the Draft of the 2024 Consolidated Annual Report and Engineering Report be approved, and a final version produced. The final version of the report will incorporate all comments received in writing and additional comments discussed during the April and June meetings. All comments will be included under Appendix H in the final report.

The Draft 2024 Consolidated Annual Report is available online from the “Documents & Publications” section of the Beaumont Basin Watermaster website ([www.beaumontbasinwatermaster.org](http://www.beaumontbasinwatermaster.org))

**VII-C - Attachment 1  
Draft Report with comments**

**Section 3.3.2 Treated Wastewater Recharge**

### **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 2021-2023 three-year period to an annual average of 3,958 ac-ft; in CY 2024 a total of 3,959 ac-ft of treated wastewater was discharged.

Monthly discharges at DP-001 varied slightly in CY 2024 from a low 3.40 mgd in April to a high of 3.69 mgd in February; the average for the year was 3.51 mgd. Monthly treated wastewater discharges by the City of Beaumont since 2007 are summarized in Table 3-5.

**Table 3-5**

**City of Beaumont Wastewater Treatment Plant - Monthly Discharges 2007-2024**

**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
2024	3.45	3.69	3.48	3.40	3.42	3.47	3.45	3.58	3.63	3.58	3.57	3.58	3.51	3,959

**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

**Section 3.8 Changes in Groundwater Levels in the  
Beaumont Basin**

**and**

**Section 3.9 Operating Safe Yield**

## **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 2023 and 2024 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) 2023 and winter 2024 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 2023 and 2024 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 2023 and 2024.

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 2023 groundwater surface from the 2024 groundwater surface (see Figures 3-13 and 3-14). In the west central portion of the basin (BCVWD 29) groundwater levels are relatively stable.

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 seven feet between December 2023 and December 2024 (see Figure 3-15). At Moreno Well No. 6, water levels have steadily dropped from 2003 to 2022 at which time they became stable. Between December 2023 and December 2024 at this well declined by approximately three feet. At Tukwet Canyon Golf Club B, groundwater levels were relatively stable between December 2023 and December 2024.

Groundwater levels in the central portion of the basin, groundwater levels at Oak Valley No. 1 are highly variable and likely influenced by groundwater pumping. As judged by the highest peaks in the hydrograph, the overall groundwater level trend at this well has been increasing in 2024 (See Figure 3-15).

In the northern part of the basin, a groundwater mound developed at the BCVWD Noble Creek recharge site with as much as 41 feet of rise between December 2023 and December 2024 (see Figure 3-16). The rise in groundwater elevation is correlated with an increase in managed recharge at the facility in 2024 (10,417 ac-ft) and 2023 (11,172 ac-ft) relatively to 2022 (1,812 ac-ft) and 2021 (2,504 ac-ft). In 2024, an additional 7,785 ac-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 during 2024 and increased by approximately eight feet between December 2023 and December 2024. At Banning Well C-4 (southeast Beaumont Basin), groundwater levels increased approximately one foot between December 2023 and December 2024. Groundwater levels in other southeast area wells were relatively stable, changing by approximately five feet at most over the same period.

Groundwater levels in the northeast portion of the basin (near USGS Highland Springs Monitoring Well) increased by approximately two feet between December 2023 and December 2024.

### 3.8.2 Analysis of Change in Groundwater Storage

Basin-wide change in groundwater storage between winter 2023 and winter 2024 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 used in the 2023 Reevaluation of the Beaumont Basin Safe Yield (TH&Co, 2024). Groundwater level change across the basin was analyzed using the following procedure:

- ✓ The winter 2023 and 2024 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 839 ac-ft during this one-year period. This increase is associated with an increase in imported water deliveries to the Noble Creek Recharge Facilities and the SGPWA spreading grounds south of Brookside Drive, 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 overlier 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:

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

where:  $\Sigma P$  = The sum of groundwater production (ac-ft)  
 $\Delta S$  = The change in groundwater storage (ac-ft)  
 $\Sigma AR$  = The sum of groundwater recharge (ac-ft)  
 $\Delta T$  = The time over which the OSY is estimated (years)

Total Beaumont Basin groundwater production in calendar year 2024 was 15,452 ac-ft (see Table 3-3). Total artificial recharge in calendar year 2024 was 18,201 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 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:

$$OSY = \frac{15,452 + 839 - 18,201}{1} = -1.910 \text{ ac-ft}$$

The OSY for 2024 is not representative of the long-term Safe Yield of the Beaumont Basin. The negative OSY value is likely a function of increased outflow from the basin after two consecutive years of above normal supplemental water recharge. Additional uncertainty is associated with lack of groundwater level data at the SGPWA spreading grounds where more than 7,800 acre-ft of water was recharged.

# ***DRAFT Technical Memorandum***



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**To:** Mr. Hannibal Blandon  
Alda, Inc.

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

**Date:** 29-Apr-25

**Re:** Evaluation of Groundwater Conditions and Operating Safe Yield for the Beaumont Basin – Calendar Year 2024

---

## **Introduction**

This Technical Memorandum (TM) summarizes an evaluation of groundwater level trends, change in groundwater storage, and operating safe yield for the Beaumont Basin for the 2024 calendar year. Data summarized in this TM is for use in the Beaumont Basin Watermaster 2024 Annual Report. Groundwater level changes were evaluated at both the local level (as measured in key monitoring wells across the basin) and on a basin-wide basis.

Basin-wide changes in groundwater levels reflect the overall water balance of the basin. Rising groundwater levels in any given time period indicate that recharge from all sources (e.g. areal recharge, return flow, artificial recharge, etc.) is exceeding discharge from all sources (e.g. pumping, underflow out, evapotranspiration, etc.) and the volume of groundwater in storage increases. Declining groundwater levels indicate the opposite. Regional changes in groundwater levels were used as a basis for estimating the change in groundwater storage of the Beaumont Basin. The change in storage estimate was used to evaluate the operating safe yield (OSY) of the basin for calendar year 2024.

## **Sources and Types of Data**

All data summarized in this TM were provided by the appropriators and overlayers within the Beaumont Basin through Alda, Inc. Other sources of information included:

- The Beaumont Basin Watermaster website
- San Gorgonio Pass Water Agency (SGPWA)
- United States Geological Survey (USGS)

Thomas Harder & Co.  
1260 N. Hancock St., Suite 109  
Anaheim, California 92807  
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The types of data compiled and reviewed for this TM included:

- Groundwater production data from appropriators and overlyers
- Groundwater recharge data
- Groundwater levels
- Well locations

A well map showing Appropriator and Overlyer wells is provided on Figure 1. The ten wells used in the hydrograph analysis of groundwater level trends are also shown on Figure 1.

### **Analysis of Groundwater Flow and Changes in Groundwater Levels**

Changes in groundwater flow and groundwater levels between 2023 and 2024 were evaluated based on measured data in monitoring wells located throughout the Beaumont Basin (see Figures 2 and 3). Separate groundwater level contour maps were created for Winter 2023 (i.e., using groundwater levels from November and December 2023 as available) and Winter 2024 (i.e., using groundwater levels from October, November, and December 2024 as available) to evaluate changes in groundwater flow patterns and basin-wide changes in groundwater levels over the time period. It is noted that the majority of groundwater levels used for the Winter 2024 contour map were from November and December 2024; an October 2024 groundwater level was used at the USGS Highland Well (02S/01W-35J03) since that is the last available 2024 groundwater level.

Groundwater flow direction and gradient within the Beaumont Basin varies depending on location (see Figures 2 and 3). 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 2023 and 2024.

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 2023 groundwater surface from the 2024 groundwater surface (see Figures 4 and 5). In the west central portion of the basin (near Beaumont-Cherry Valley Water District (BCVWD) Well 29), groundwater levels were relatively stable between December 2023 and December 2024.

In the northwest portion of the basin at Yucaipa Valley Water District (YVWD) Well 34, groundwater levels have shown a downward trend since approximately 2020. At this well,



groundwater levels declined by approximately seven feet between December 2023 and December 2024 (see Figure 5). At Moreno Well 6, groundwater levels steadily dropped from 2003 to 2022 at which time they became stable. Between December 2023 and November 2024, groundwater levels at this well declined by approximately 3 feet. At Tukwet Canyon Golf Club B, groundwater levels were relatively stable between December 2023 and December 2024.

In the central portion of the basin, groundwater levels at Oak Valley No. 1 are highly variable and likely influenced by groundwater pumping. As judged by the highest peaks in the hydrograph, the overall groundwater level trend at this well has been increasing in 2024 (see Figure 4).

In the northern part of the basin, a groundwater mound developed at the BCVWD Noble Creek recharge site with as much as 41 feet of rise between December 2023 and December 2024 (see Figure 5). The rise in groundwater elevation is correlated with an increase in managed recharge at the facility in 2024 (10,417 acre-ft) and 2023 (11,172 acre-ft) relative to 2022 (1,812 acre-ft) and 2021 (2,504 acre-ft). In 2024, an additional 7,785 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 during 2024 and increased by approximately eight feet between December 2023 and December 2024. At Banning Well C-4 (southeast Beaumont Basin), groundwater levels increased by approximately one foot between December 2023 and December 2024. Groundwater levels in other southeast area wells were relatively stable, changing by approximately five feet at most over the same period.

Groundwater levels in the northeast portion of the basin (near USGS Highland Springs Monitoring Well) increased by approximately two feet between November 2023 and October 2024.

### **Analysis of Change in Groundwater Storage**

Basin-wide change in groundwater storage between Winter 2023 and Winter 2024 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 used in the *2023 Reevaluation of the Beaumont Basin Safe Yield* (TH&Co, 2024). Groundwater level change across the basin was analyzed using the following procedure:



1. The Winter 2023 and Winter 2024 hand-generated groundwater contour maps were each converted into three-dimensional raster surfaces.
2. The basin was discretized into 100-foot by 100-foot grid cells.
3. Attributes were assigned to each saturated grid cell including groundwater level change and specific yield.
4. 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 839 acre-ft between Winter 2023 and Winter 2024. This increase is associated with an increase in imported deliveries to the Noble Creek Recharge Facilities and the SGPWA spreading grounds south of Brookside Drive, relative to previous years.

## Operating Safe Yield

For purposes of this TM, 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 overlyer 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:

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

where:	$\Sigma P$	=	The sum of groundwater production (acre-ft)
	$\Delta S$	=	The change in groundwater storage (acre-ft)
	$\Sigma AR$	=	The sum of artificial recharge of imported water (acre-ft)
	$\Delta T$	=	The time over which the OSY is estimated (years)

Total Beaumont Basin groundwater production in calendar year 2024 was 15,404 acre-ft (see Table 1). Total artificial recharge in calendar year 2024 was 18,202 acre-ft (see Table 2). It is noted that only recharge at the Noble Creek Recharge Facility and SGPWA recharge facilities south of Brookside Avenue was used in the analysis of OSY (recharge at the Little San Gorgonio



Creek facility 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 in this TM. The period of time over which the OSY is evaluated is one year. The resulting OSY for 2024 is estimated as:

$$OSY = \frac{15,404 + 839 - 18,202}{1} = -1,959 \text{ acre} - ft$$

The OSY for 2024 is not representative of the long-term Safe Yield of the Beaumont Basin. The negative OSY value is likely a function of increased outflow from the basin after two consecutive years of above normal supplemental water recharge. Additional uncertainty is associated with lack of groundwater level data at the SGPWA spreading grounds where more than 7,800 acre-ft of water was recharged. Comparison of the 2024 OSY with historical OSY values since 2011 is presented in Table 3.

## References

San Timoteo Management Authority vs. Banning et al., 2004. Judgment Pursuant to Stipulation Adjudicating Groundwater Rights in the Beaumont Basin. Case No. RIC 389197. Filed February 4, 2004.

Thomas Harder & Co., 2024. 2023 Reevaluation of the Beaumont Basin Safe Yield. December 4, 2024.



Water Production by Appropriator Producer in 2024 (acre-ft)

Appropriator	Well Name	January	February	March	April	May	June	July	August	September	October	November	December	Total
Banning, City of	Well C2-A	0.42	0.25	0.98	0.73	0.86	64.64	91.59	82.80	83.37	31.18	0.91	24.80	382.52
	Well C3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.90	83.86	73.79	49.73	33.34	295.62
	Well C4	0.41	0.45	1.79	1.52	11.83	110.55	150.97	150.45	16.50	58.31	3.49	0.98	507.24
	Well M3	0.33	0.22	0.70	0.42	0.43	17.02	15.37	12.97	15.28	49.24	64.05	55.03	231.06
	Well M9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	From BCVWD <sup>1</sup>	2.30	0.17	1.28	4.40	7.01	0.21	0.88	0.90	0.00	0.00	3.76	12.25	5.42
	<i>Subtotal</i>	3.47	1.09	4.74	7.07	20.12	192.42	258.81	302.02	199.01	216.28	130.42	119.56	1,455.01
Beaumont-Cherry Valley Water District	Well 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Well 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Well 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Well 16	16.09	13.42	33.62	11.76	21.85	0.00	48.28	72.31	39.30	16.46	11.10	40.51	324.71
	Well 21	0.00	0.00	0.00	0.00	0.00	104.38	171.82	161.52	142.74	133.57	148.97	91.16	954.16
	Well 22	52.05	78.92	92.08	50.28	118.35	110.22	122.35	115.39	71.81	56.66	27.13	86.39	981.64
	Well 23	102.62	135.20	139.73	143.89	250.97	241.63	260.51	251.86	213.68	239.67	261.91	264.51	2,506.19
	Well 24	178.07	94.72	106.70	184.99	223.83	247.75	218.98	249.52	212.58	211.58	227.00	227.89	2,383.63
	Well 25	98.72	16.47	9.98	74.81	191.21	265.53	313.39	315.28	309.90	259.40	110.02	43.26	2,007.95
	Well 26	18.30	8.85	9.87	34.90	113.99	137.38	147.87	146.31	139.12	130.14	82.21	56.41	1,025.34
	Well 29	0.00	0.00	0.00	0.00	0.00	99.20	219.44	179.13	142.61	97.07	0.00	0.78	738.23
	Egg Ranch Well	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	To Banning <sup>1</sup>	-2.30	-0.17	-1.28	-4.40	-7.01	-0.21	-0.88	-0.90	0.00	-3.76	-12.25	-5.42	-38.58
	<i>Subtotal</i>	463.55	347.42	390.70	496.23	913.18	1,205.89	1,501.76	1,490.43	1,271.74	1,140.80	856.09	805.48	10,883.27
South Mesa Water Company	3rd No. 4 Well	9.18	8.26	7.65	7.84	10.23	17.47	25.88	30.77	27.39	31.59	25.51	22.89	224.65
	<i>Subtotal</i>	9.18	8.26	7.65	7.84	10.23	17.47	25.88	30.77	27.39	31.59	25.51	22.89	224.65
Yucaipa Valley Water District	Well 35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Well 48	19.26	21.24	36.28	58.85	107.75	151.53	107.73	105.48	88.90	74.31	119.67	94.36	985.36
	I-10 Logistics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>	19.26	21.24	36.28	58.85	107.75	151.53	107.73	105.48	88.90	74.31	119.67	94.36	985.36
	<b>Total</b>	495.45	378.00	439.37	569.99	1,051.29	1,567.31	1,894.18	1,928.69	1,587.04	1,462.98	1,131.69	1,042.29	13,548.29

Water Production by Overlying Parties in 2024 (acre-ft)

Overlying Party	Well Name	January	February	March	April	May	June	July	August	September	October	November	December	Total
Beckman, Walter M		0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
California Oak Valley Golf and Resort LLC	Oak Valley #1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	Oak Valley #2	11.63	3.62	1.84	17.07	27.91	86.43	85.21	94.45	59.27	56.15	0.00	0.00	443.57
Merlin Properties <sup>2,3</sup>		0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.58
Oak Valley Partners <sup>4</sup>	Singleton Ranch #5	N/A <sup>5</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Singleton Ranch #7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Irrigation Stokes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Plantation on the Lake LLC		15.34	12.28	17.19	21.18	28.85	41.12	29.46	29.77	31.61	30.38	22.40	24.86	304.43
Rancho Calimesa Mobile Home Park	Well 1	0.84	1.82	1.67	1.91	1.92	1.93	2.46	2.86	2.86	2.57	2.89	1.62	25.35
	Well 2	1.35	0.11	0.34	0.25	0.67	0.83	1.68	0.85	0.00	0.00	0.00	0.00	6.09
Roman Catholic Bishop of San Bernardino <sup>2</sup>		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharondale Mesa Owners Association	Well 1	1.85	1.55	2.17	4.36	7.61	8.21	11.44	8.02	5.61	5.47	4.58	4.18	65.07
	Well 2	1.77	1.62	0.81	1.35	1.70	0.00	0.00	4.58	4.53	4.17	4.73	4.03	29.27
Tukwet Canyon Golf Course	A	1.73	0.57	0.49	0.85	0.68	1.67	1.64	0.67	0.95	0.00	0.00	0.00	9.26
	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	D	11.77	0.11	7.70	42.83	87.46	172.45	133.98	161.64	134.57	96.83	54.00	56.24	959.58
Stearns, Leonard M. and Dorothy D. <sup>2,3</sup>		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.70
Albor Properties III, LP <sup>2,3</sup>		0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	2.27
Nikodinov, Nick <sup>2,3</sup>		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.73
McAmis, Ronald L. <sup>2,3</sup>		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.54
Aldama, Nicolas and Amalia <sup>2,3</sup>		0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.83
Gutierrez, Hector, et. al. <sup>2,3</sup>		0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.37
Darmont, Boris and Miriam <sup>2,3</sup>		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.35
Sunny Cal <sup>2,3</sup>		0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	4.06
<b>Total</b>		47.32	23.58	33.25	90.82	157.82	313.69	266.91	303.87	240.44	196.60	89.64	91.96	1,855.91
<b>Basin Total</b>		<b>542.78</b>	<b>401.58</b>	<b>472.62</b>	<b>660.81</b>	<b>1,209.11</b>	<b>1,880.99</b>	<b>2,161.10</b>	<b>2,232.56</b>	<b>1,827.48</b>	<b>1,659.58</b>	<b>1,221.33</b>	<b>1,134.24</b>	<b>15,404.20</b>

Notes:

- <sup>1</sup> 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.
- <sup>2</sup> Not metered; water duty method used to estimate annual production.
- <sup>3</sup> Production estimated in all months based on annual total.
- <sup>4</sup> Wells are abandoned and are no longer used for production.
- <sup>5</sup> N/A = Not Applicable.

**Delivered Water by Imported Water Recharge Facility in 2024 (acre-ft)**

Month-Year	Brookside East Turnout <sup>1</sup>	Noble Creek Turnout	Total <sup>2</sup>
Jan-24	438	279	717
Feb-24	744	162	906
Mar-24	679	1,351	2,030
Apr-24	468	1,373	1,841
May-24	552	837	1,389
Jun-24	937	367	1,304
Jul-24	628	733	1,361
Aug-24	398	1,498	1,896
Sep-24	847	870	1,717
Oct-24	860	646	1,506
Nov-24	739	797	1,536
Dec-24	495	1,504	1,999
Total	7,785	10,417	18,202

**Notes:**

- <sup>1</sup> In previous annual reports, Brookside East Turnout was listed as Mountain View Turnout as reported by the San Geronio Pass Water Agency.
- <sup>2</sup> Total monthly delivered water spread on behalf of Beaumont-Cherry Valley Water District and the City of Banning.

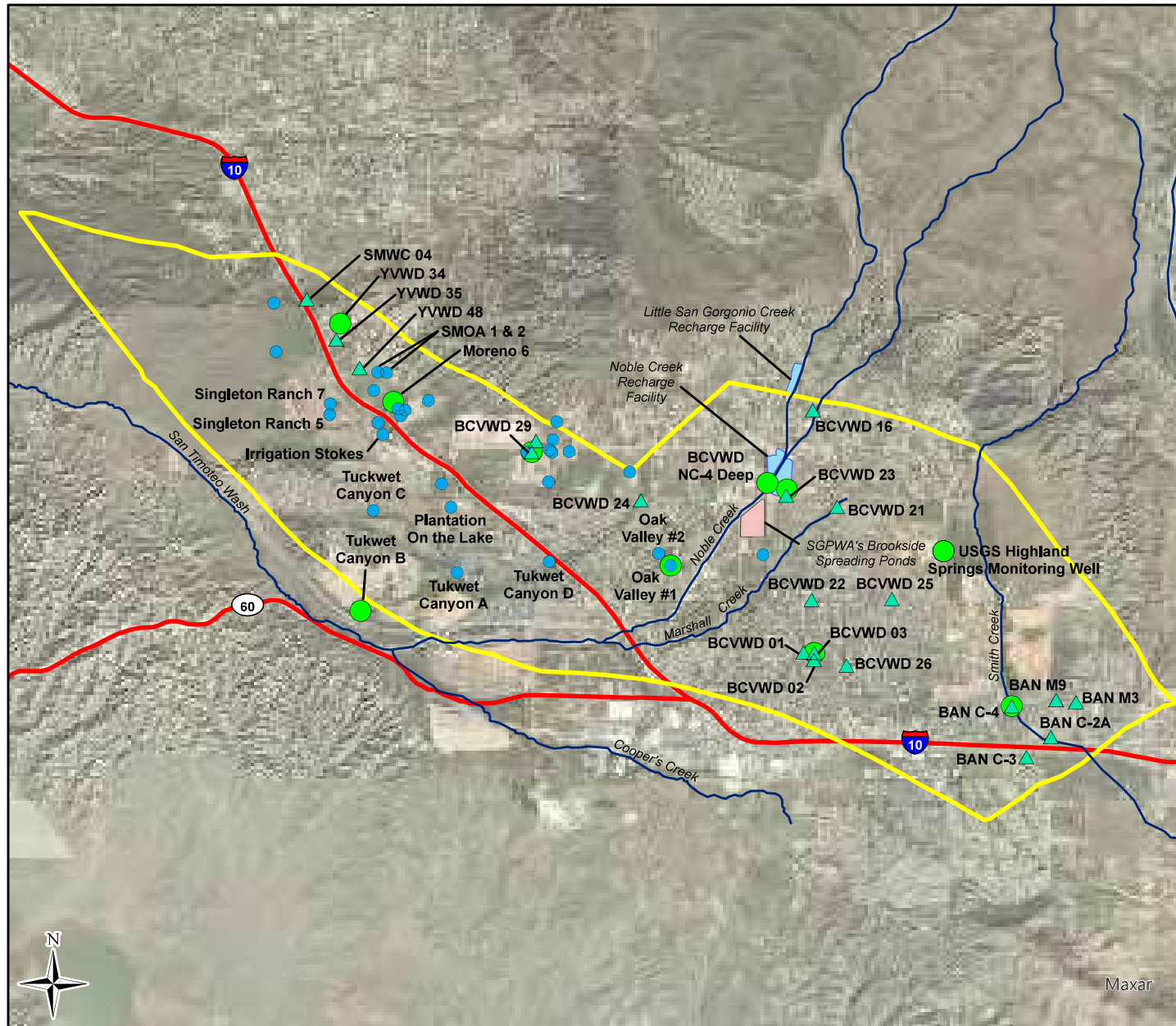
**Summary of Historical Operating Safe Yield for the Beaumont Basin**

Calendar Year	Groundwater Production	Change in Groundwater Storage	Artificial Recharge of Imported Water	Operating Safe Yield <sup>1</sup>
2011	13,986	2,560	8,779	7,767
2012	14,710	1,770	8,983	7,497
2013	17,114	-783	9,485	6,846
2014	16,985	-4,475	5,013	7,497
2015	12,926	-1,679	3,476	7,771
2016	13,777	1,279	10,796	4,260
2017	15,867	1,362	14,940	2,289
2018	17,279	173	12,621	4,831
2019	15,895	2,268	14,153	4,010
2020	18,636	-5,577	11,469	1,590
2021	20,006	-9,522	2,504	7,980
2022	19,480	-10,601	1,812	7,067
2023	14,227	11,462	20,392	5,297
2024	15,404	839	18,202	-1,959

**Note:**

<sup>1</sup> Operating Safe Yield = Groundwater Production + Change in Groundwater Storage - Artificial Recharge of Imported Water

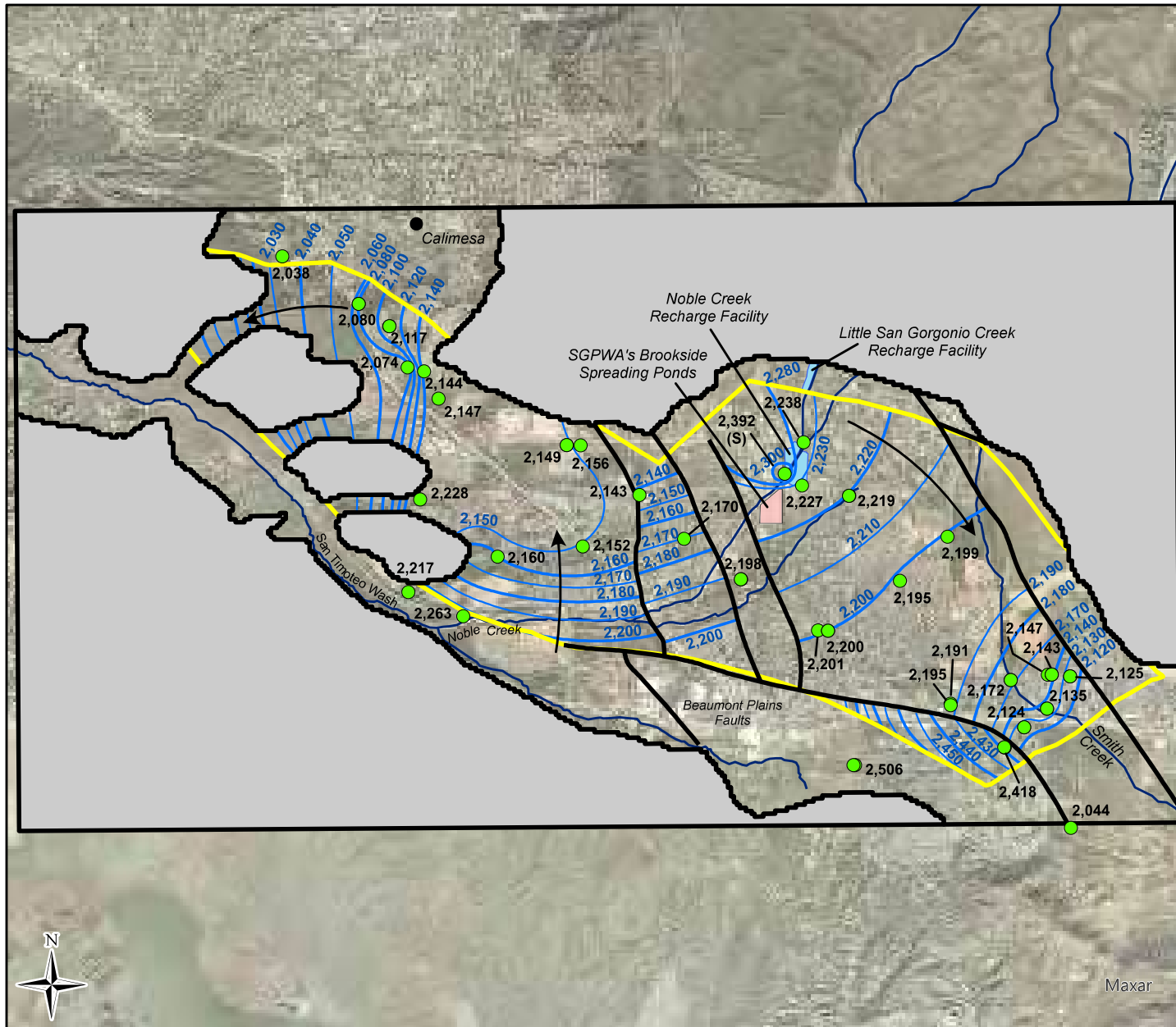
**Beaumont Basin Watermaster**



**Map Features**

- ▲ Appropriator Party
- Overlying Party
- Well Used in Hydrograph Analysis
- Stream
- Freeway/Highway
- Spreading Pond
- Imported Water Recharge Facility
- ▭ Beaumont Basin Adjudicated Boundary

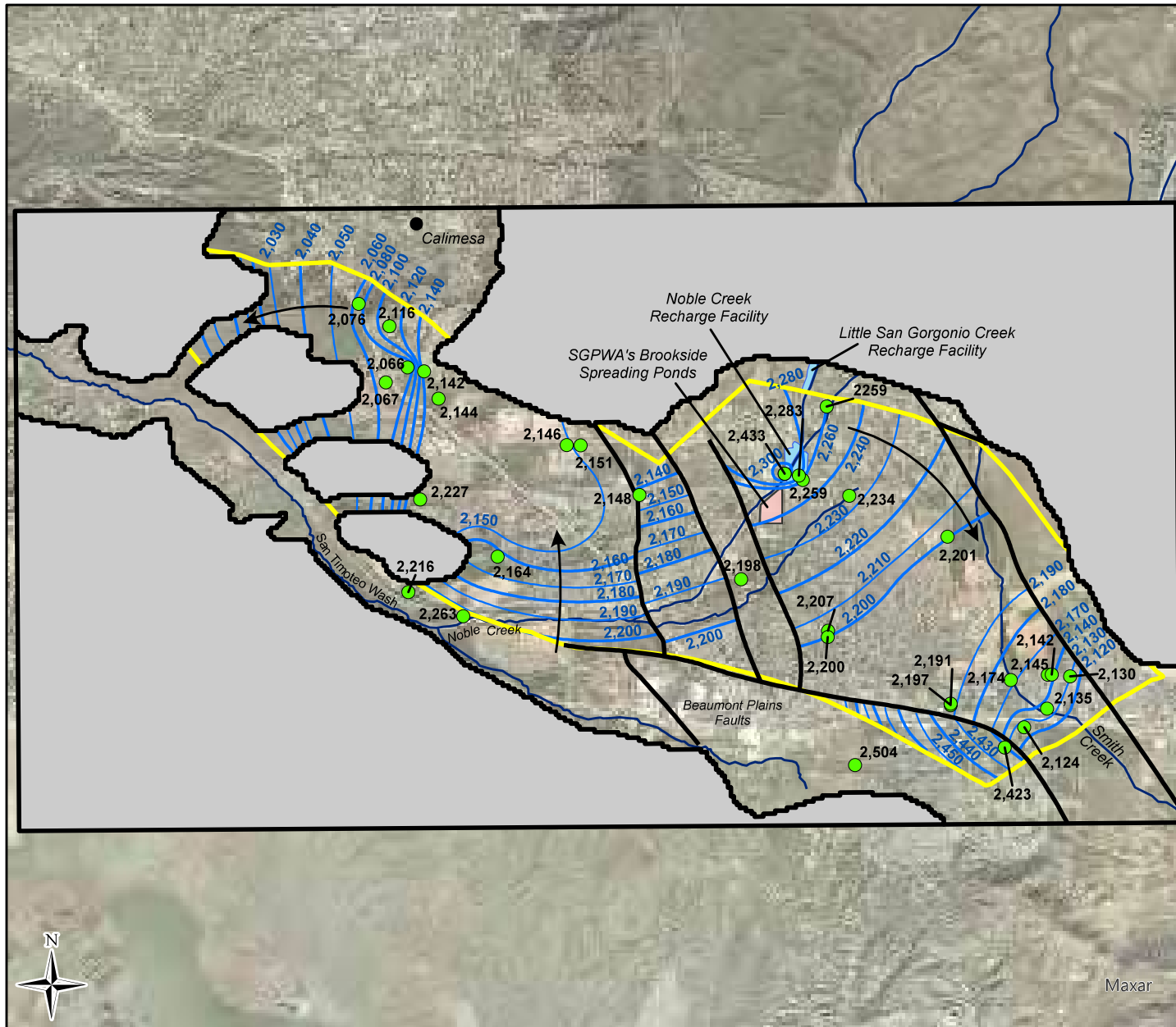
**Well Locations in the Beaumont Basin**



**Map Features**

- Well with Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (ft amsl)
  - 10-ft interval
  - 20-ft interval
- Groundwater Flow Direction
- Stream
- Fault
- Active Model Zone
- Inactive Model Zone
- Spreading Pond
- Imported Water Recharge Facility
- Beaumont Basin Adjudicated Boundary



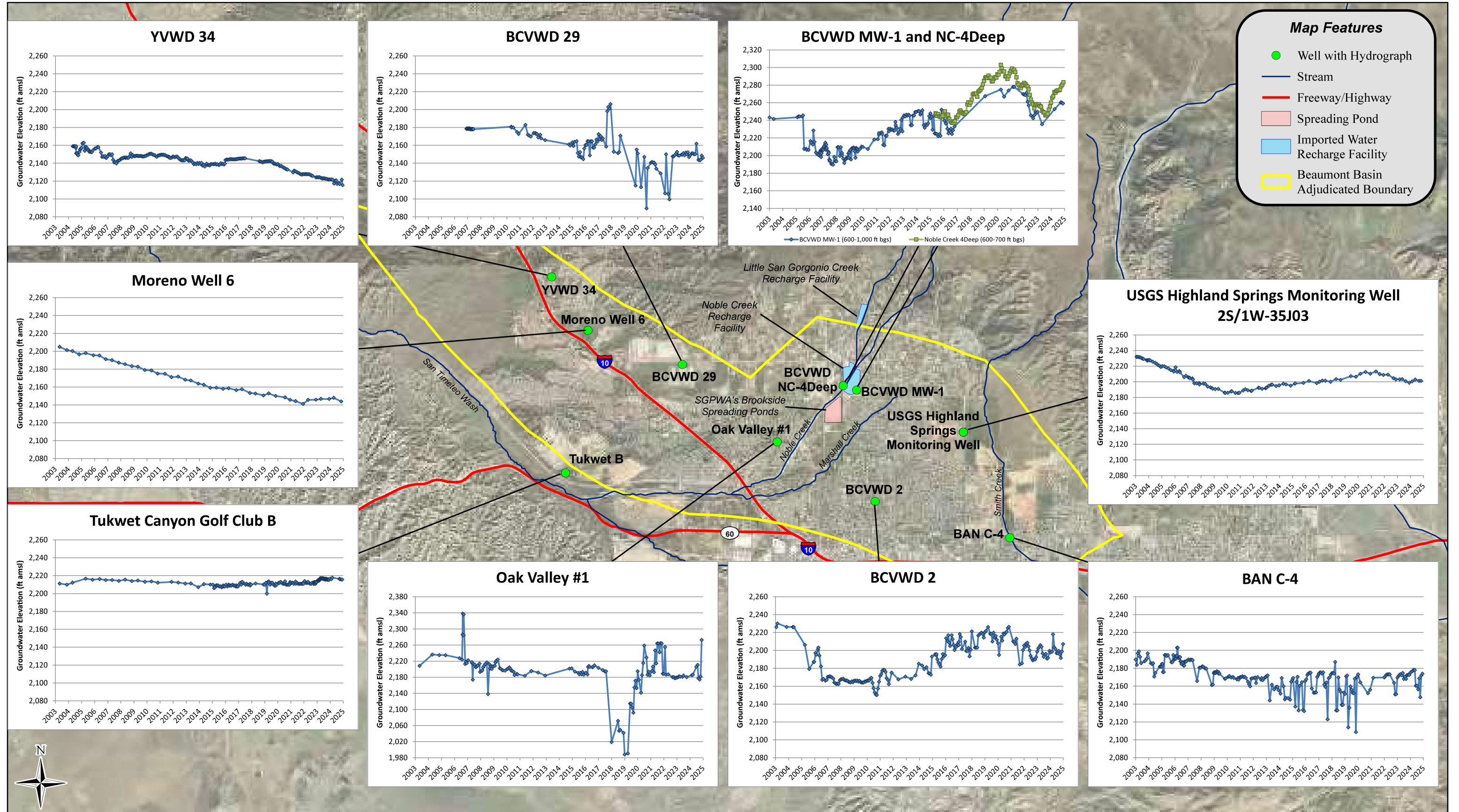


**Map Features**

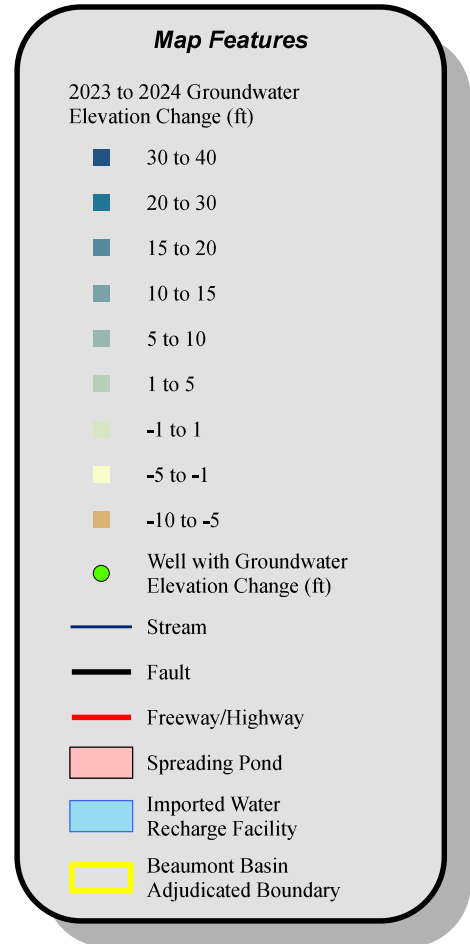
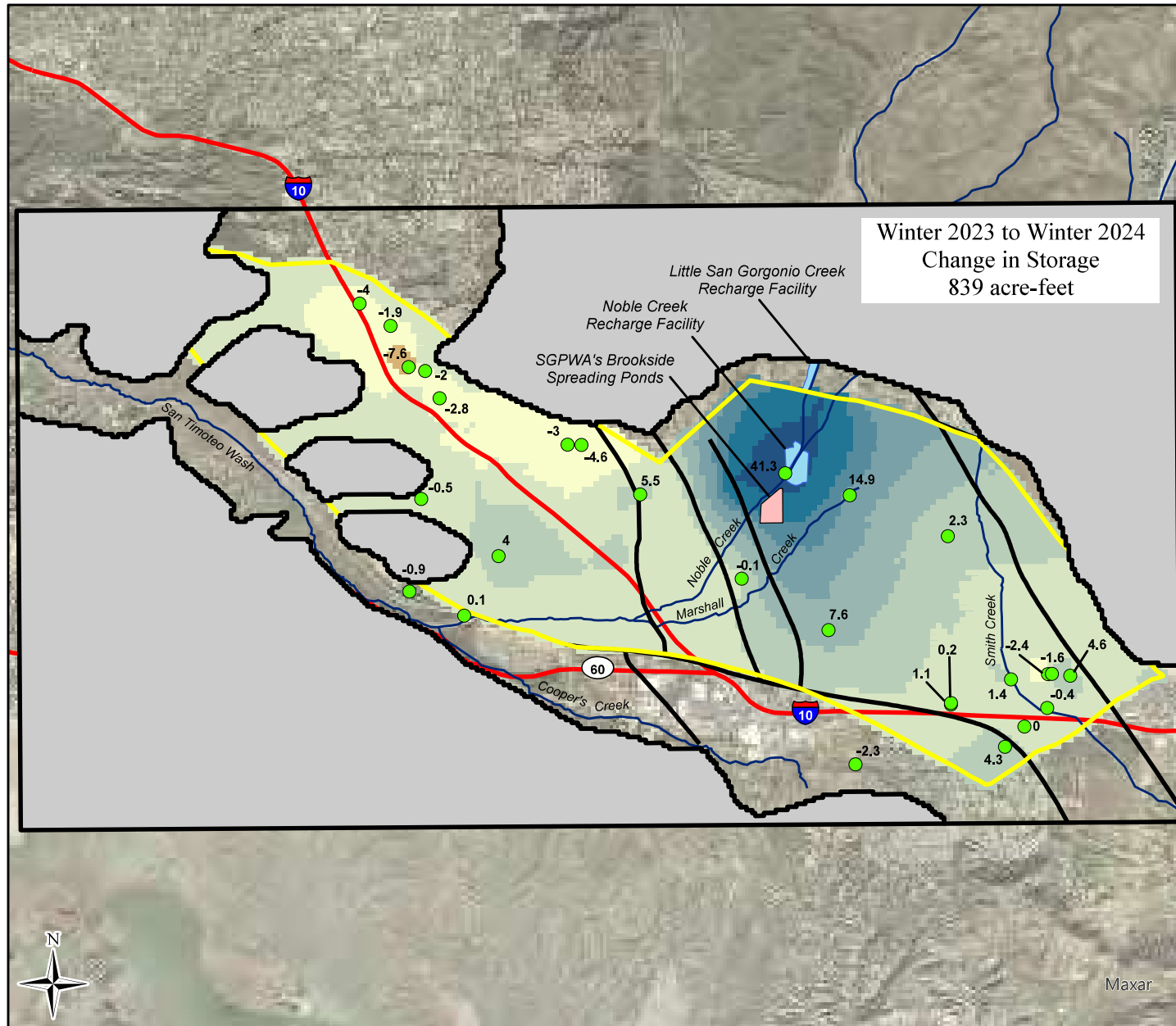
- Well with Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (ft amsl)
  - 10-ft interval
  - 20-ft interval
- Groundwater Flow Direction
- Stream
- Fault
- Active Model Zone
- Inactive Model Zone
- Spreading Pond
- Imported Water Recharge Facility
- Beaumont Basin Adjudicated Boundary



**Groundwater Contours in the Beaumont Basin - Winter 2024**



**Beaumont Basin Watermaster**



**Change in Groundwater Elevation  
Winter 2023 to Winter 2024**

## **4.2.2 Trace Metals – Hexavalent Chromium**

**Hexavalent Chromium.** Effective October 1, 2024, the California MCL has been set at 10ug/L. This maximum concentration has a significant impact on groundwater wells in the Beaumont Basin. During the 2020-2024 reporting period, a total of 12 groundwater samples were tested for Hexavalent Chromium. Two existing wells, BCVWD No. 25 and BCVWD No. 26, exceeded the current MCL with concentrations of 12 ug/L and 14 ug/L respectively during the spring of 2024. In addition, there are five other wells that tested at or above the 70 percent concentration during the reporting period; namely, BCVWD No. 22 at 7.3 ug/L, YVWD No. 48 at 7.5 ug/L, BCVWD No. 21 at 7.6 ug/L, BCVWD No. 24 at 8.6 ug/L, and Rancho Calimesa Mobile Home Park Well No. 2, at 9.6 ug/L. The compliance date for water agencies serving over 10,000 customers, has been set for October 1, 2026.

## **Changes in Groundwater Production**

The following tables are impacted by the revised groundwater production numbers from the City of Banning:

- ✓ Table 3-1E – Appropriator Producer – Summary of Groundwater Production for Calendar Year 2024
- ✓ Table 3-3 – Production Summary for Appropriator and Overlying Producers in the Beaumont Basin – 2015 through 2014 Calendar Year Accounting
- ✓ Table 3-8 – Appropriators Production Rights
- ✓ Table 3-9 – Consolidated Storage Accounts

**Table 3-1E**  
**Appropriator Producer - Summary of Production for Calendar Year 2024 (ac-ft)**

Owner & Well Name	Water Production by Appropriator (ac-ft) <sup>(1)</sup>												Total Production
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<b>Banning, City of</b>													
Well C2-A	0.4	0.2	1.0	0.7	0.9	64.6	91.6	82.8	83.4	31.2	0.9	24.8	382.5
Well C3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.9	83.9	73.8	49.7	33.3	295.6
Well C4	1.9	0.5	1.8	1.5	11.8	110.6	151.0	150.4	61.0	58.3	3.5	3.0	555.2
Well M3	0.3	0.2	0.7	0.4	0.4	17.0	15.4	13.0	15.3	49.2	64.1	55.0	231.1
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 <sup>(2)</sup>	2.3	0.2	1.3	4.4	7.0	0.2	0.9	0.9	0.0	3.8	12.3	5.4	38.6
<b>Subtotal</b>	<b>5.0</b>	<b>1.1</b>	<b>4.7</b>	<b>7.1</b>	<b>20.1</b>	<b>192.4</b>	<b>258.8</b>	<b>302.0</b>	<b>243.5</b>	<b>216.3</b>	<b>130.4</b>	<b>121.6</b>	<b>1,503.0</b>
<b>Beaumont Cherry Valley Water District</b>													
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	0.00
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	0.00
Well 3	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 16	16.1	13.4	33.6	11.8	21.8	0.0	48.3	72.3	39.3	16.5	11.1	40.5	324.71
Well 21	0.0	0.0	0.0	0.0	0.0	104.4	171.8	161.5	142.7	133.6	149.0	91.2	954.16
Well 22	52.1	78.9	92.1	50.3	118.3	110.2	122.4	115.4	71.8	56.7	27.1	86.4	981.64
Well 23	102.6	135.2	139.7	143.9	251.0	241.6	260.5	251.9	213.7	239.7	261.9	264.5	2,506.19
Well 24	178.1	94.7	106.7	185.0	223.8	247.8	219.0	249.5	212.6	211.6	227.0	227.9	2,383.63
Well 25	98.7	16.5	10.0	74.8	191.2	265.5	313.4	315.3	309.9	259.4	110.0	43.3	2,007.95
Well 26	18.3	8.8	9.9	34.9	114.0	137.4	147.9	146.3	139.1	130.1	82.2	56.4	1,025.34
Well 29	0.0	0.0	0.0	0.0	0.0	99.2	219.4	179.1	142.6	97.1	0.0	0.8	738.23
To Banning <sup>(2)</sup>	-2.3	-0.2	-1.3	-4.4	-7.0	-0.2	-0.9	-0.9	0.0	-3.8	-12.3	-5.4	-38.6
<b>Subtotal</b>	<b>463.5</b>	<b>347.4</b>	<b>390.7</b>	<b>496.2</b>	<b>913.2</b>	<b>1,205.9</b>	<b>1,501.8</b>	<b>1,490.4</b>	<b>1,271.7</b>	<b>1,140.8</b>	<b>856.1</b>	<b>805.5</b>	<b>10,883.3</b>
<b>South Mesa Water Company</b>													
Well 4	9.2	8.3	7.7	7.8	10.2	17.5	25.9	30.8	27.4	31.6	25.5	22.9	224.6
<b>Subtotal</b>	<b>9.2</b>	<b>8.3</b>	<b>7.7</b>	<b>7.8</b>	<b>10.2</b>	<b>17.5</b>	<b>25.9</b>	<b>30.8</b>	<b>27.4</b>	<b>31.6</b>	<b>25.5</b>	<b>22.9</b>	<b>224.6</b>
<b>Yucaipa Valley Water District</b>													
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	19.3	21.2	36.3	58.9	107.8	151.5	107.7	105.5	88.9	74.3	119.7	94.4	985.4
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
<b>Subtotal</b>	<b>19.3</b>	<b>21.2</b>	<b>36.3</b>	<b>58.9</b>	<b>107.8</b>	<b>151.5</b>	<b>107.7</b>	<b>105.5</b>	<b>88.9</b>	<b>74.3</b>	<b>119.7</b>	<b>94.4</b>	<b>985.4</b>
<b>Total</b>	<b>496.9</b>	<b>378.0</b>	<b>439.4</b>	<b>570.0</b>	<b>1,051.3</b>	<b>1,567.3</b>	<b>1,894.2</b>	<b>1,928.7</b>	<b>1,631.5</b>	<b>1,463.0</b>	<b>1,131.7</b>	<b>1,044.3</b>	<b>13,596.3</b>

(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 3-3**  
**Production Summary for Appropriator and Overlying Producers in the Beaumont Basin**  
**2015 through 2024 - Calendar Year Accounting (ac-ft)**

	Annual Production (ac-ft)									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>Appropriator Parties</b>										
Banning, City of	1,678	1,473	1,443	2,261	2,121	2,549	3,668	3,594	1,327	1,503
Beaumont-Cherry Valley Water District	8,973	10,160	11,651	12,209	11,141	12,539	12,610	12,490	10,213	10,883
South Mesa Water Company	317	353	368	365	331	229	466	575	277	225
Yucaipa Valley Water District	119	5	0	191	529	1,408	1,228	687	892	985
<b>Subtotal</b>	<b>11,087</b>	<b>11,990</b>	<b>13,462</b>	<b>15,026</b>	<b>14,121</b>	<b>16,725</b>	<b>17,972</b>	<b>17,345</b>	<b>12,709</b>	<b>13,596.3</b>
<b>Overlying Parties</b>										
Beckman, Walter M	0.86	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
California Oak Valley Golf and Resort LLC	751.15	552.3	830.0	573.1	489.6	577.3	525.0	563.4	209.9	443.6
Merlin Properties	1.61	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Oak Valley Partners, LP	2.50	2.5	2.5	2.5	2.5	-	-	-	-	-
Plantation on the Lake LLC	302.11	293.4	417.8	471.2	258.7	195.2	161.5	335.9	288.8	304.4
Rancho Calimesa Mobile Home Park	23.44	31.2	31.2	32.7	32.1	30.1	25.0	31.4	28.8	31.4
Roman Catholic Bishop of San Bernardino	-	-	-	-	-	-	-	-	-	-
Sharondale Mesa Owners Association	94.11	84.8	117.9	116.4	98.3	125.8	124.7	113.6	92.8	94.3
Tukwet Canyon Golf Club <sup>1</sup>	898.60	958.6	991.4	1,010.9	878.8	969.3	1,116.5	1,076.3	883.1	968.8
Stearns, Leonard M. and Dorothy D.	0.70	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Sunny-Cal Egg and Poultry Company	4.24	4.2	4.0	4.2	4.1	4.3	4.3	4.4	4.0	4.1
Albor Properties III, LP <sup>2</sup>	2.37	2.3	2.2	2.3	2.3	2.4	2.4	2.5	2.3	2.3
Nikodinov, Nick	0.75	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
McAmis, Ronald L.	0.55	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.5	0.5
Aldama, Nicolas and Amalia	0.86	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8
Gutierrez, Hector, et. al.	1.41	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Darmont, Boris and Miriam	0.35	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Subtotal</b>	<b>2,085.6</b>	<b>1,936.4</b>	<b>2,403.9</b>	<b>2,220.3</b>	<b>1,773.3</b>	<b>1,911.5</b>	<b>1,966.4</b>	<b>2,134.6</b>	<b>1,516.7</b>	<b>1,855.9</b>
<b>Total</b>	<b>13,173.0</b>	<b>13,926.1</b>	<b>15,866.3</b>	<b>17,246.4</b>	<b>15,894.8</b>	<b>18,636.2</b>	<b>19,938.5</b>	<b>19,479.9</b>	<b>14,225.8</b>	<b>15,452.2</b>

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

Calendar Year	Operating Yield		Water Acquired		New Yield <sup>(1)</sup>		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		
<b>City of Banning</b>								
2003	2,514.5	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	5,029.0
2005	5,029.0	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	5,029.0
2007	5,029.0	0.0	0.0	1,500.0	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	5,621.2
2009	5,029.0	1,594.7	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	6,712.8
2011	5,029.0	1,588.2	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	6,708.5
2013	2,514.5	1,816.1	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	1,977.1
2015	0.0	2,097.5	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	2,099.1
2017	0.0	2,063.2	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	2,000.6
2019	0.0	1,408.4	0.0	0.0	0.0	0.0	462.9	1,871.3
2020	0.0	1,450.3	0.0	0.0	0.0	0.0	848.3	2,298.6
2021	0.0	1,497.2	0.0	60.0	0.0	0.0	2,110.9	3,668.1
2022	0.0	1,350.3	0.0	0.0	0.0	0.0	2,208.4	3,558.7
2023	0.0	1,407.9	0.0	0.0	0.0	0.0	0.0	1,407.9
2024	0.0	1,528.4	0.0	0.0	0.0	0.0	0.0	1,528.4

(1) - BBWM has not yet develop a policy to account for New Yield in the Beaumont Basin.

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

Calendar Year	Operating Yield		Water Acquired		New Yield <sup>(1)</sup>		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		
<b>Totals - All Appropriators</b>								
2003	8,000.0	0.0	0.0	0.0	0.0	0.0	186.8	8,186.8
2004	16,000.0	0.0	0.0	0.0	0.0	0.0	71.9	16,071.9
2005	16,000.0	0.0	0.0	0.0	0.0	0.0	223.6	16,223.6
2006	16,000.0	0.0	0.0	0.0	0.0	0.0	0.0	16,000.0
2007	16,000.0	0.0	0.0	0.0	0.0	0.0	1,669.8	17,669.8
2008	16,000.0	1,884.2	0.0	0.0	0.0	0.0	739.7	18,623.9
2009	16,000.0	5,073.7	0.0	0.0	0.0	0.0	0.0	21,073.7
2010	16,000.0	5,357.4	0.0	0.0	0.0	0.0	0.0	21,357.4
2011	16,000.0	5,053.3	0.0	0.0	0.0	0.0	1,293.3	22,346.5
2012	16,000.0	5,343.5	0.0	0.0	0.0	0.0	0.0	21,343.5
2013	8,000.0	5,778.4	0.0	0.0	0.0	0.0	0.0	13,778.4
2014	0.0	5,811.8	0.0	0.0	0.0	0.0	4,489.5	10,301.3
2015	0.0	6,673.5	0.0	0.0	0.0	0.0	3,362.8	10,036.4
2016	0.0	6,678.6	0.0	0.0	0.0	0.0	0.0	6,678.6
2017	0.0	6,564.6	0.0	0.0	0.0	0.0	0.0	6,564.6
2018	0.0	6,365.4	0.1	0.0	0.0	0.0	0.0	6,365.5
2019	0.0	4,481.0	64.0	0.0	0.0	0.0	462.9	5,007.9
2020	0.0	4,614.4	194.8	0.0	0.0	0.0	1,434.6	6,243.8
2021	0.0	4,763.6	366.8	507.8	0.0	0.0	9,994.4	15,632.6
2022	0.0	4,296.1	478.3	0.0	0.0	0.0	11,135.1	15,909.4
2023	0.0	4,479.6	478.3	0.0	0.0	0.0	0.0	4,957.8
2024	0.0	4,862.7	478.3	0.0	0.0	0.0	0.0	5,341.0

(1) - BBWM has not yet develop a policy to account for New Yield in the Beaumont Basin.

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

Calendar Year	Appropriator's Production Right	Appropriator's Annual Production	Water Supply Deficit	Supplemental Water				Withdrawals from Storage	Ending Storage Account Balance
				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge		
<i>City of Banning - Authorized Storage Account: 80,000 ac-ft</i>									
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
2024	1,528.4	1,503.0	0.0	1,500.0	0.0	0.0	0.0	0.0	49,176.2

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

Calendar Year	Appropriator's Production Right	Appropriator's Annual Production	Water Supply Deficit	Supplemental Water				Withdrawals from Storage	Ending Storage Account Balance
				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge		
<b>Totals - All Agencies with Storage Accounts</b>									
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
2024	5,341.0	13,596.3	8,816.1	18,201.0	0.0	0.0	0.0	0.0	118,735.6

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

Calendar Year	Appropriator's Production Right	Appropriator's Annual Production	Water Supply Deficit	Supplemental Water				Withdrawals from Storage	Ending Storage Account Balance
				SWP Water Recharge	Recycled Water Recharge	Local Imported Water Recharge	Stormwater Recharge		
<b>Totals - All Agencies with Storage Accounts</b>									
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
2024	5,341.0	13,596.3	8,816.1	18,201.0	0.0	0.0	0.0	0.0	118,735.6

**Comments Received from**

**The City of Banning**

**and Response to Comments**

## RE: 2024 Draft Consolidated Annual and Engineering Report - Comments

From: Arturo Vela (avela@banningca.gov)  
To: blandona@aldaengineering.com  
Date: Tuesday, May 13, 2025 at 05:03 PM PDT

Here are a few minor comments for Banning.

Art Vela, P.E.  
Director of Public Works  
Dept. of Public Works  
City of Banning  
Direct Line: 951-922-3134  
[avela@banningca.gov](mailto:avela@banningca.gov)  
99 E. Ramsey Street  
Banning, CA 92220  
[www.banningca.gov](http://www.banningca.gov)

The information contained in this email message is intended only for the use of the individual or entity to which it is addressed and may contain information that is legally privileged and/or confidential. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, if you have received this communication in error, please notify us immediately by telephone. Thank you.

-----Original Message-----

From: Anibal Blandon <[blandona@aldaengineering.com](mailto:blandona@aldaengineering.com)>  
Sent: Friday, May 9, 2025 3:04 PM  
To: Joseph Zoba <[jzoba@yvwd.us](mailto:jzoba@yvwd.us)>; Jennifer Ares <[jares@yvwd.us](mailto:jares@yvwd.us)>; David Armstrong <[darmstrong@southmesawater.com](mailto:darmstrong@southmesawater.com)>; Dan Jagers <[dan.jagers@bcvwd.gov](mailto:dan.jagers@bcvwd.gov)>; Arturo Vela <[avela@banningca.gov](mailto:avela@banningca.gov)>; Nathan Smith <[nsmith@banningca.gov](mailto:nsmith@banningca.gov)>; Robert Vestal <[rvestal@beaumontca.gov](mailto:rvestal@beaumontca.gov)>; Dustin Christensen <[dchristensen@beaumontca.gov](mailto:dchristensen@beaumontca.gov)>; Brittany Lim <[blim@southmesawater.com](mailto:blim@southmesawater.com)>; Swanson Mark (BCVWD) <[mark.swanson@bcvwd.gov](mailto:mark.swanson@bcvwd.gov)>; Thierry Montoya <[tmontoya@fbtlaw.com](mailto:tmontoya@fbtlaw.com)>; Steve Stuart <[sstuart@dudek.com](mailto:ssstuart@dudek.com)>; Thomas Harder <[tharder@thomashardercompany.com](mailto:tharder@thomashardercompany.com)>  
Subject: 2024 Draft Consolidated Annual and Engineering Report - Comments

All:

I hope all is well.

During our presentation of the Draft Annual Report in early April, we requested written comments on the draft report by next Friday, May 16, 2025; however, considering that the Board meeting has been moved from June 4, 2025 to June 11, 2025, I would like to receive your written comments by Friday, May 23, 2025, two weeks from today.

Should you have any questions on this matter or should you need further clarification, please contact us.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916



Draft 2024 Annual Report Comments.pdf  
192.2kB

## Re: 2024 Draft Consolidated Annual and Engineering Report - Comments

---

From: Anibal Blandon (blandona@aldaengineering.com)

To: avela@banningca.gov

Date: Monday, June 2, 2025 at 01:39 PM PDT

---

Mr. Vela:

Presented below is our response to your comments on the Draft 2024 Consolidated Annual Report and Engineering Report.

1.- Section 3.8.1 Analysis of Groundwater Level Changes - You indicated that you will review and comment once this section is completed.

Response - Section 3.8.1 has been completed and will be included in the response to comments and presented at the June 11, 2025 Special Meeting for your consideration.

2.- Section 3.11 Recommendations - Is the recommendation to continue modifying the Rules and Regulations?

Response - Paragraph will be edited to indicate that the Rules and Regulations are being reviewed by Dudek for potential changes and updates with a final recommendation and adoption to be considered in FY 2025.

3.- Section 3.11 Recommendations - Is the recommendation to develop a policy to address groundwater losses?

Response - A sentence will be added at the end of the paragraph to indicate that it is recommended that the Watermaster Committee considers the development of a policy to address groundwater storage losses from the basin.

4.- Section 3.11 Recommendations - Is the recommendation to have the Watermaster Committee to develop a policy to require frequent maintenance of meters?

Response - A sentence will be added at the end of the paragraph to indicate that it is recommended that the Watermaster Committee considers the development of a policy to implement regular maintenance and calibration of water meters at production wells.

Should you have additional comments on this matter, please let us know.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916

On Tuesday, May 13, 2025 at 05:03:40 PM PDT, Arturo Vela <avela@banningca.gov> wrote:

Here are a few minor comments for Banning.

Art Vela, P.E.  
Director of Public Works

Dept. of Public Works  
City of Banning  
Direct Line: 951-922-3134  
avela@banningca.gov  
99 E. Ramsey Street  
Banning, CA 92220  
www.banningca.gov

The information contained in this email message is intended only for the use of the individual or entity to which it is addressed and may contain information that is legally privileged and/or confidential. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, if you have received this communication in error, please notify us immediately by telephone. Thank you.

-----Original Message-----

From: Anibal Blandon <blandona@aldaengineering.com>

Sent: Friday, May 9, 2025 3:04 PM

To: Joseph Zoba <jzoba@yvwd.us>; Jennifer Ares <jares@yvwd.us>; David Armstrong <darmstrong@southmesawater.com>; Dan Jagers <dan.jagers@bcvwd.gov>; Arturo Vela <avela@banningca.gov>; Nathan Smith <nsmith@banningca.gov>; Robert Vestal <rvestal@beaumontca.gov>; Dustin Christensen <dchristensen@beaumontca.gov>; Brittany Lim <blim@southmesawater.com>; Swanson Mark (BCVWD) <mark.swanson@bcvwd.gov>; Thierry Montoya <tmontoya@fbtlaw.com>; Steve Stuart <sstuart@dudek.com>; Thomas Harder <tharder@thomashardercompany.com>

Subject: 2024 Draft Consolidated Annual and Engineering Report - Comments

All:

I hope all is well.

During our presentation of the Draft Annual Report in early April, we requested written comments on the draft report by next Friday, May 16, 2025; however, considering that the Board meeting has been moved from June 4, 2025 to June 11, 2025, I would like to receive your written comments by Friday, May 23, 2025, two weeks from today.

Should you have any questions on this matter or should you need further clarification, please contact us.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916

## 3.8 Changes in Groundwater Levels in the Beaumont Basin

### 3.8.1 Analysis of Groundwater Level Changes

Will review and comment on this section once completed.

**The discussion of changes in water levels between CY 2023 and CY 2024 could not be completed on time for this draft report. The discussion presented here reflects in part a combination of changes in levels between CY 2022, CY 2023, and CY 2024. This discussion will be fully updated and presented at the June 2024 regular Board meeting.**

Changes in groundwater flow and groundwater levels between 2023 and 2024 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) 2023 and winter 2024 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 2023 and 2024 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 2023 and winter of 2024.

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 2023 and December 2024.

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

and Table 3-2 D, Overlying Producer – Summary of Production for Calendar Year 2023, for Overlying users. Total production for the first three months of Water Year 2024 was as follows:

- ✓ Appropriators: 2,856.90 ac-ft
- ✓ Overlyiers: 401.40 ac-ft

Similarly, Appropriator production during the last nine months of Water Year 2024 (January through September 2024) is documented in Table 3-1 E, Appropriator Producer – Summary of Production for Calendar Year 2024, for Appropriators and Table 3-2-E, Overlying Producer – Summary of Production for Calendar Year 2024, for Overlying users. Total production for this nine-month period was as follows:

- ✓ Appropriators: 9,911.30 ac-ft
- ✓ Overlyiers: 1,480.80 ac-ft

Total groundwater production for WY 2024 from the Beaumont Basin was 14,650.5 ac-ft.

The use of imported water is documented on an annual basis in Table 3-4, Annual Supplemental Recharge to the Beaumont Basin – Calendar Years 2003-2024. Imported water deliveries during Water Year 2024 amounted to 15,387 ac-ft. Monthly deliveries to individual agencies for this water year are presented in Table 3-10.

Change in Storage during Water Year 2024 was estimated at 312 ac-ft. Figure 3-17 displays the change in elevation between October 2023 and O

Please make recommendation clear; is the recommendation to continue to modify the Rules/Regs?

### 3.11 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

Is the recommendation in the paragraph to develop a policy to address GW losses?

- ✓ 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 is in the process of revising 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 Is the recommendation to have WM develop a policy to require frequent maintenance of meters? 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.

**Comments Received from  
Beaumont Cherry Valley Water District  
and Response to Comments**

## Re: 2024 Draft Consolidated Annual and Engineering Report - Comments

---

From: Anibal Blandon (blandona@aldaengineering.com)

To: mark.swanson@bcvwd.gov

Cc: dan.jaggers@bcvwd.gov

Date: Monday, June 2, 2025 at 09:59 AM PDT

---

Mr. Swanson:

The purpose of this email is to document our response to your comments on the Draft 2024 Consolidated Annual Report and Engineering Report of the Beaumont Groundwater Basin.

While you sent the Draft Report in its entirety back to us, comments are limited to 10 (ten) individual pages. These individual pages will be extracted from your document and included in our response to comments in the agenda packet for the upcoming June 11, 2025 Special Meeting.

Your comments and our response are as follows:

1.- Report cover – Inclusion of City of Beaumont's Primary Representative Robert Vestal in cover.

Response - we apologize for the oversight - Mr. Vestal will be included in the report cover as the Primary Representative from the City of Beaumont.

2.- Pages I and II of the Table of Contents – Consistency of section titles in Table of Contents vs. titles in the body of the annual report.

Response - Editorial comments will be incorporated.

3.- Consistency between Fiscal Year (FY) and Calendar Year (CY) use starting on Page 1-1.

Response – There are 126 references of Calendar Year (CY) and 15 references of Fiscal Year (FY) throughout the report. These references were checked for their appropriate use and they were all accurately used. Please be aware that as of today, financial issues and financial audits continue to be conducted on a Fiscal Year basis.

4.- Section 2.1 – Make up of the Watermaster Committee – Primary Representative and Alternate for the City of Beaumont were not included in this section.

Response – Once again, we apologize for the oversight – Mr. Robert Vespal will be listed as the Primary Representative for the City of Beaumont and Mr. Dustin Christensen as Alternate.

5.- Page 2-3 – Editorial comment

Response - Editorial comment will be incorporated

6.- Page 2-13 – Editorial comment

Response - Editorial comment will be incorporated

7.- Section 2.6.2 – Financial Audit is reported on a Fiscal Year basis

Response – Consistent with Comment No. 3 above, Financial Audit continues to be reported on a Fiscal Year basis.

8.- Page 3-4 – Specific mention is made regarding the I-10 Logistics well; however, the location of this well is not clearly identified in Figure 3-3.

Response – Figure 3-3 has been corrected to properly identify the location of the I-10 Logistics well. It will be incorporated in the final report.

9.- Section 3.3.1 State Water Project Recharge – In Page 3-7, SGPWA’s spreading facilities to the north of the Beaumont Basin are identified as the Little San Gorgonio Creek Spreading Ponds; however, Figure 3-3 notes them as Little San Gorgonio Creek Recharge Facility.

Response - The SGPWA has been contacted to make sure the name commonly used for this facility will be used. This editorial issue will be properly incorporated into the final report.

Once again, thank you for your comments.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916

On Wednesday, May 28, 2025 at 10:39:34 AM PDT, Anibal Blandon <blandona@aldaengineering.com> wrote:

Thank you. I will download the document later today.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916

Sent from Yahoo Mail for iPhone

On Tuesday, May 27, 2025, 7:24 PM, Swanson, Mark (BCVWD) <mark.swanson@bcvwd.gov> wrote:

- > Hannibal,
- >
- > Please use the following secure link to download the pdf with BCVWD's comments:
- >
- > <https://bcvwd.gov/wp-content/tempfiletransfer/BCVWD-05272025.pdf>
- >
- >
- >
- > Thank you,
- >
- > Mark Swanson, P.E., QSD
- > Director of Engineering
- > Beaumont-Cherry Valley Water District
- > 560 Magnolia Ave.
- > Beaumont, CA 92223
- > Office Phone (951) 845-9581 Ext. 218
- > Fax (951) 845-0159
- > <http://www.bcvwd.gov>
- > [mark.swanson@bcvwd.gov](mailto:mark.swanson@bcvwd.gov)
- > District Hours: 8am-5pm Mon-Thurs
- >
- > -----Original Message-----
- > From: Anibal Blandon <blandona@aldaengineering.com>
- > Sent: Tuesday, May 27, 2025 2:56 PM
- > To: Swanson, Mark (BCVWD) <mark.swanson@bcvwd.gov>
- > Subject: Re: 2024 Draft Consolidated Annual and Engineering Report - Comments
- >
- > Mark:

>  
> The comments you indicated did not come through.  
>  
> I am going to be in Beaumont this Thursday to visit the monitoring wells. If you put the file in a thumb drive, I could just copy it onto my computer.  
>  
> Regards  
>  
> Hannibal Blandon  
> ALDA Inc.  
> 909-587-9916  
>  
>  
>  
>  
>  
>  
> On Tuesday, May 27, 2025 at 02:31:57 PM PDT, Swanson, Mark (BCVWD) <mark.swanson@bcvwd.gov> wrote:  
>  
>  
>  
>  
>  
> Hi Hanibal,  
>  
> I sent an email with comments related to the 2024 Annual Report, but the attachment was 31MB. I want to confirm that you received the email and attachment.  
>  
> If not, I can have IT (on my end) create a link and I can transmit the file again.  
>  
> Please let me know.  
>  
> Thank you,  
>  
> Mark Swanson, P.E., QSD  
> Director of Engineering  
> Beaumont-Cherry Valley Water District  
> 560 Magnolia Ave.  
> Beaumont, CA 92223  
> Office Phone (951) 845-9581 Ext. 218  
> Fax (951) 845-0159  
> <http://www.bcvwd.gov>  
> [mark.swanson@bcvwd.gov](mailto:mark.swanson@bcvwd.gov)  
> District Hours: 8am-5pm Mon-Thurs  
>  
> -----Original Message-----  
> From: Swanson, Mark (BCVWD)  
> Sent: Tuesday, May 27, 2025 9:51 AM  
> To: 'Anibal Blandon' <[blandona@aldaengineering.com](mailto:blandona@aldaengineering.com)>  
> Cc: Jagers, Dan (BCVWD) <[dan.jagers@bcvwd.gov](mailto:dan.jagers@bcvwd.gov)>  
> Subject: RE: 2024 Draft Consolidated Annual and Engineering Report - Comments  
>  
> Hi Hannibal,  
>  
> The District had reviewed the Annual Report last week, but the report and associated comments were not sent out.  
>  
> Please see the attached. The majority of the comments are within Sections 1 through 3.  
>  
> Let me know if there are any questions.  
>  
> Thank you,  
>  
> Mark Swanson, P.E., QSD

> Director of Engineering  
 > Beaumont-Cherry Valley Water District  
 > 560 Magnolia Ave.  
 > Beaumont, CA 92223  
 > Office Phone (951) 845-9581 Ext. 218  
 > Fax (951) 845-0159  
 > http://www.bcvwd.gov  
 > mark.swanson@bcvwd.gov  
 > District Hours: 8am-5pm Mon-Thurs

> -----Original Message-----

> From: Anibal Blandon <blandona@aldaengineering.com>  
 > Sent: Tuesday, May 20, 2025 2:09 PM  
 > To: Joseph Zoba <jzoba@yvwd.us>; Jennifer Ares <jares@yvwd.us>; David Armstrong <darmstrong@southmesawater.com>; Jagers, Dan (BCVWD) <dan.jagers@bcvwd.gov>; Art Vela <avela@banningca.gov>; Nathan Smith <nsmith@banningca.gov>; Robert Vestal <rvestal@beaumontca.gov>; Dustin Christensen <dchristensen@beaumontca.gov>; Brittany Lim <blim@southmesawater.com>; Swanson, Mark (BCVWD) <mark.swanson@bcvwd.gov>; Thierry Montoya <tmontoya@fbtlaw.com>; Steve Stuart <sstuart@dudek.com>; Thomas Harder <tharder@thomashardercompany.com>  
 > Subject: Re: 2024 Draft Consolidated Annual and Engineering Report - Comments

> All:

> Just a quick reminder that comments on the Draft Annual Report are due this Friday at the end of the day. Thus far I have received comments from one agency.

> Thank for your consideration on this matter.

> Regards

> Hannibal Blandon  
 > ALDA Inc.  
 > 909-587-9916

> On Friday, May 9, 2025 at 03:04:29 PM PDT, Anibal Blandon <blandona@aldaengineering.com> wrote:

> All:

> I hope all is well.

> During our presentation of the Draft Annual Report in early April, we requested written comments on the draft report by next Friday, May 16, 2025; however, considering that the Board meeting has been moved from June 4, 2025 to June 11, 2025, I would like to receive your written comments by Friday, May 23, 2025, two weeks from today.

> Should you have any questions on this matter or should you need further clarification, please contact us.

> Regards

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>>





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# Section 2 Watermaster Activities

## 2.1 Makeup of the Watermaster Committee

During the February 7, 2024 Regular meeting of the Beaumont Basin Watermaster, the current Watermaster Committee Officers were re-affirmed to their respective positions for 2024 as follows:

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

BBWM webpage shows the City as identified below.

The Watermaster Representatives serving each Appropriative Party at the end of CY 2024 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 2024 was provided by Frost Brown Todd LLC, 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. Administrative Services were provided by Dudek, represented by Steve Stuart.

## 2.2 Watermaster Accomplishments and Activities During 2024

### 2.2.1 Watermaster Meetings

A total of five regular meetings were held during CY 2024 on the following dates:

- ✓ February 7, 2024
- ✓ August 7, 2024
- ✓ December 4, 2024
- ✓ June 5, 2024
- ✓ October 2, 2024



## 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 1<sup>st</sup>, 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 redetermined the Safe Yield of the Beaumont Basin to be 6,700 ac-ft per year.

More recently, on the October 5, 2022 regular meeting, 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 authorized was the reevaluation of the Safe Yield of the basin. The final report for this task was approved at the December 4, 2024 regular meeting in which Resolution 2024-01 was adopted. Through this resolution, the Final 2023 Reevaluation of the Beaumont Basin Safe Yield Report and Redetermination of the Safe Yield of the Beaumont Basin were adopted.

Effective 2024, the Beaumont Basin Watermaster Committee redetermined the Safe Yield of the Beaumont Basin to be 7,100 ac-ft/yr.

## 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 Gorgonio 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.

16. The approved budget provided funding for operating expenses in the amount of \$29,675.00. The approved budget is significantly lower than the final expenses for the previous two years. 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 2022-23, final expenses for FY 2023-24, as well as the approved budget for FY 2024-25.

<i>Operating Expense</i>	<i>FY 2022-23 Final Expenses</i>	<i>FY 2023-24 Final Expenses</i>	<i>FY 2024-25 Approved Budget</i>
<b><u>Administrative Expenses</u></b>			
Bank Fees and Interest	\$ -71.49	\$ -46.00	\$ -75.00
Miscellaneous & Meeting Expenses	\$ 0.00	\$ 17,260.00	\$ 0.00
Acquisition/computation & Annual Report	\$ 86,682.50	\$ 0.00	\$ 0.00
Annual Audit	\$ 1,550.00	\$ 2,000.00	\$ 2,250.00
Legal Expenses	\$ 18,067.00	\$ 25,066.00	\$ 27,500.00
Reserve Funding	\$ 0.00	\$ 0.00	\$ 0.00
Engineering	\$ 150,700.00	\$ 0.00	\$ 0.00
Monitoring and Data Acquisition	\$ 36,375.20	\$ 44,768.00	\$ 0.00
	<b>\$ 293,303.21</b>	<b>\$ 89,048.00</b>	<b>\$ 29,675.00</b>
<b><u>Special Project Expenses</u></b>			
Engineering	\$ 0.00	\$ 375,190.00	\$ 0.00
Litigation	\$ 0.00	\$ 0.00	\$ 0.00
	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Total Operating Expense</b>	<b>\$ 293,303.21</b>	<b>\$ 464,238.00</b>	<b>\$ 29,675.00</b>

## 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 2024, dated June 30, 2024, prepared by Rogers, Anderson, Malody, and Scott, LLP, is included under Appendix D.

example of FY vs. CY. BBWM is in Calendar year currently, so should this be CY?

- ✓ 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 2020-24) are presented in a series of tables starting with Table 3-1A for CY 2020 and continuing on an annual basis through Table 3-1E for CY 2024. 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 2024, Appropriators pumped a combined amount of 13,546.80 ac-ft of groundwater from the Beaumont Basin (See Table 3-1E). Production for this year was seven percent higher than in CY 2023 when 12,709 ac-ft were pumped. CY 2024 production was 87 percent of the five-year average (2020-24) of 15,660 ac-ft and the second lowest production since CY 2018.

With the exception of SMWC, production by all agencies was higher in CY 2024 than in CY 2023. Production by the City of Banning and BCVWD were ten percent and seven percent higher respectively than the previous year while SMWC produced 19 percent less. Conversely, YVWD produced 11 percent more than in CY 2023.

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 1-10 Logistics well, continued over the first quarter of 2022 and it is listed in Table 3-1B. No production from this well has been reported since; its location is depicted in Figure 3-3.

### 3.2.2 Overlying Party Production

Specific mention is made regarding this well, but the well is not clearly identified in Figure 3-3

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 2024.

The remaining wells, operated by smaller producers, did not have meters for some or most of 2024 and their production is estimated using the water duty method. This method was initially

Figure 3-3 identifies this facility as "Recharge Facility", not spreading ponds.

2022. In CY 2023, the City of Banning spread 1,000 ac-ft of imported water; this quantity was increased to 1,500 ac-ft in CY 2024.

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 store 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 through the Mountain View Turnout. In CY 2023, SGPWA spread 9,220.1 ac-ft at this location primarily for BCVWD and the city of Banning; an additional 7,785 ac-ft were spread at this facility during CY 2024. No spreading by SGPWA has taken place at the Little San Gorgonio Creek Spreading Ponds since CY 2016.

Capitalize "C"

### 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 2021-2023 three-year period to an annual average of 3,958 ac-ft; in CY 2023 a total of 3,790 ac-ft of treated wastewater was discharged.

**Comments Received from  
South Mesa Water Company  
and Response to Comments**

## Review of the Annual Report

---

From: darmstrong southmesawater.com (darmstrong@southmesawater.com)

To: blandona@aldaengineering.com

Date: Friday, May 30, 2025 at 08:33 AM PDT

---

Hannibal,

Review of Annual Report  
Comments and Recommendations

After thoroughly reviewing the Annual Report, I have found it comprehensive and well-constructed. However, I have noticed that the Aquifer Storage and Recovery (ASR) activities of YVWD have not been discussed within the report. Given the importance of these activities within the Beaumont Basin, I recommend that they be agendized in our upcoming meetings.

Best regards,  
Dave Armstrong

# David A. Armstrong

## General Manager

[darmstrong@southmesawater.com](mailto:darmstrong@southmesawater.com)



South Mesa Water Co.  
391 W. Ave. L  
Calimesa, Ca. 92320  
909-795-2401

## Re: Review of the Annual Report

---

From: Anibal Blandon (blandona@aldaengineering.com)

To: darmstrong@southmesawater.com

Date: Monday, June 2, 2025 at 08:59 AM PDT

---

Mr. Armstrong:

Thank you for your thorough review of the Draft 2024 Consolidated Annual Report and Engineering Report; it is much appreciated.

With regards to the ASR issue you are raising, the reason it is not included in the report is because it has not been agendized for discussion at the Board meetings.

If you would like this issue to be discussed in the future, you may want to bring it to the Watermaster Committee's attention under Topics for Future Meetings or under Comments from the Watermaster Committee Members portions of the regular agenda.

Regards

Hannibal Blandon  
ALDA Inc.  
909-587-9916

---

On Friday, May 30, 2025 at 08:33:52 AM PDT, darmstrong southmesawater.com  
<[darmstrong@southmesawater.com](mailto:darmstrong@southmesawater.com)> wrote:

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General Manager  
[darmstrong@southmesawater.com](mailto:darmstrong@southmesawater.com)

**Comments Received from  
Yucaipa Valley Water District  
and Response to Comments**



system, which includes Noble Creek and Marshall Creek in the Beaumont Basin, is tributary to the Santa Ana River; the Potrero Creek drainage system in the San Jacinto River watershed; and the Smith Creek drainage system tributary to the Whitewater River which is part of the Salton Sea drainage basin.

No. 4 – Minor Editorial Comments. You provided minor editorial comments on the following sections:

2.4 – Rules and Regulations

3.2.3 – 2003-24 Annual Production Summary

3.3 – Groundwater Recharge

3.3.1 – State Water Project Recharge

3.3.2 – Treated Wastewater Recharge

Response: your editorial comments are appreciated and will be incorporated in the Final Report.

No. 5 – Section 2.6.1 – Budget. You recommend the inclusion of a clarifying footnote at the bottom of the table to read: From Special Meetings Rules and Regulations.

Response: I am not quite sure I understand the nature of your comment. Could you please provide additional background so that I can address and incorporate.

On Friday, May 23, 2025 at 10:48:36 AM PDT, Jennifer Ares <[jares@yvwd.us](mailto:jares@yvwd.us)> wrote:

Hi Hannibal,  
Attached are my edits/comments to the 2024 Draft Annual Report.

Thank you and have a good weekend.

-Jennifer

-----Original Message-----

From: Anibal Blandon <[blandona@aldaengineering.com](mailto:blandona@aldaengineering.com)>

Sent: Tuesday, May 20, 2025 2:09 PM

To: Joseph Zoba <[jzoba@yvwd.us](mailto:jzoba@yvwd.us)>; Jennifer Ares <[jares@yvwd.us](mailto:jares@yvwd.us)>; David Armstrong <[darmstrong@southmesawater.com](mailto:darmstrong@southmesawater.com)>; Dan Jagggers <[dan.jagggers@bcvwd.gov](mailto:dan.jagggers@bcvwd.gov)>; Art Vela <[avela@banningca.gov](mailto:avela@banningca.gov)>; Nathan Smith <[nsmith@banningca.gov](mailto:nsmith@banningca.gov)>; Robert Vestal <[rvestal@beaumontca.gov](mailto:rvestal@beaumontca.gov)>; Dustin Christensen <[dchristensen@beaumontca.gov](mailto:dchristensen@beaumontca.gov)>; Brittany Lim <[blim@southmesawater.com](mailto:blim@southmesawater.com)>; Swanson Mark (BCVWD) <[mark.swanson@bcvwd.gov](mailto:mark.swanson@bcvwd.gov)>; Thierry Montoya <[tmontoya@fbtlaw.com](mailto:tmontoya@fbtlaw.com)>; Steve Stuart <[sstuart@dudek.com](mailto:ssstuart@dudek.com)>; Thomas Harder <[tharder@thomashardercompany.com](mailto:tharder@thomashardercompany.com)>

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## 2.2.4 Redetermination of Safe Yield

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## 2.3 Storage Applications and Agreements

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see  
next  
page  
re:  
City  
of  
Beaumont

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, 2024, 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	<del>30,000</del> 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 Gorgonio Pass Water Agency	10,000 ac-ft

22,000 AF      see pg 11  
of FY 2006-07  
BBWM Annual  
report

## 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.

Currently, the Rules and Regulations <sup>ARE</sup> being reviewed in its entirety. Proposed revisions were presented at several Board meetings throughout 2024. This revision process continued into CY 2025 with a final revision to be accepted during this calendar year.

## 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 2024 operations.

### 2.6.1 Budget

Final expenses for Fiscal Year 2022-23 were \$293,303.21, significantly lower than final expenses for Fiscal Year 2023-24 at \$464,238.00. The budget for Fiscal Year 2024-25 was approved at June 6, 2024 Watermaster Committee regular meeting under Memorandum 24-

16. The approved budget provided funding for operating expenses in the amount of \$29,675.00. The approved budget is significantly lower than the final expenses for the previous two years. 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 2022-23, final expenses for FY 2023-24, as well as the approved budget for FY 2024-25.

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<b><u>Administrative Expenses</u></b>			
Bank Fees and Interest	\$ -71.49	\$ -46.00	\$ -75.00
Miscellaneous & Meeting Expenses	\$ 0.00	\$ 17,260.00	\$ 0.00
Acquisition/computation & Annual Report	\$ 86,682.50	\$ 0.00	\$ 0.00
Annual Audit	\$ 1,550.00	\$ 2,000.00	\$ 2,250.00
Legal Expenses	\$ 18,067.00	\$ 25,066.00	\$ 27,500.00
Reserve Funding	\$ 0.00	\$ 0.00	\$ 0.00
Engineering	\$ 150,700.00	\$ 0.00	\$ 0.00
Monitoring and Data Acquisition	\$ 36,375.20	\$ 44,768.00	\$ 0.00
	<b>\$ 293,303.21</b>	<b>\$ 89,048.00</b>	<b>\$ 29,675.00</b>
<b><u>Special Project Expenses</u></b>			
Engineering	\$ 0.00	\$ 375,190.00 *	\$ 0.00
Litigation	\$ 0.00	\$ 0.00	\$ 0.00
	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>
<b>Total Operating Expense</b>	<b>\$ 293,303.21</b>	<b>\$ 464,238.00</b>	<b>\$ 29,675.00</b>

\* Footnote (from special meetings, safe yield rates and regs?)

## 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 2024, dated June 30, 2024, 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.

*Audit and financial still fiscal*

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 2024 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 1925 and 2024. On average during this 100-year period, 11.75 inches of precipitation, or 70.1 percent of total, fell during the winter months between December and March. Over the last 25 years (2000-2024), precipitation has averaged 13.61 inches of rain which is approximately 81 percent of the 100-year average precipitation. Precipitation during CY 2024 at Station 13 was 14.00 inches, approximately 63 percent of the precipitation recorded in CY 2023 at 22.33 inches. Annual precipitation in CY 2024 represents 83.5 percent of the 100-year average and 102.9 percent of the 25-year average.

Figure 3-1 illustrates annual precipitation at Station 13 for the 25-year reporting period between 2000 and 2024 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), 2019 (23.34 inches) and in 2023 (22.33 inches), the Basin has been in a dry period that began in 1999. During the reporting period, precipitation in six of these years was below 10 inches

per year. In addition, the second lowest precipitation year 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.

*San Tim outside  
of Beaumont  
Basin.  
Maybe  
rephrase  
to say  
upper  
tribs  
are in  
B.B.*

### 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.

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 2024 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 2020. In a similar manner, Tables 3-2B through 3-2E summarize monthly overlying production for CY 2021 through CY 2024, respectively. In addition, these tables show their share of the Safe Yield and the amount of unused water for each Overlying Party.

During CY 2024, Overlying Producers produced an estimated 1,855.90 ac-ft, 339.2 ac-ft higher than the reported production for CY 2023 of 1,516.70 ac-ft. Compared to the 2020-24 five-year average of 1,877.02 ac-ft, Overlying production in CY 2024 was approximately one percent lower than the average. Production in CY 2024 by Overlying Parties was the third lowest in the last ten years of record.

### 3.2.3 2003-2024 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 a B parts to report annual production since CY 2003. Starting with CY 2023, the annual report only documents the last 10 years of production from the basin. Production prior to 2015 has been extensively documented in earlier annual reports. *And can be found online*

Since July 2003, a total of 349,837 ac-ft has been pumped from the Beaumont Basin; an estimated 85.1 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 89.2 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 17,282 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 14,226 ac-ft which represents the lowest level of production since CY 2016. Production in CY 2024 was slightly higher than in CY 2023 at 15,403 ac-ft. 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 are currently limited to imported water from the State Water Project (SWP); however, other potential sources such as recycled water and new yield sources may contribute to groundwater recharge in the future.

The Watermaster has maintained the accounting of groundwater recharge; however, losses from the basin, estimated in the Beaumont Basin Storage Analysis (Sept 2018), 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.~~

*a portion of Riv. County*

#### 3.3.1 State Water Project Water Recharge

Deliveries of imported water are conducted through the San Geronio 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., was until 2018 the primary facility in the Beaumont Basin where imported water could 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.

*2019*

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 2016 through CY 2020, BCVWD spread close to 12,000 ac-ft per year on average; 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 significantly above average precipitation in the northern portion of the State, BCVWD was able to spread 18,000 ac-ft of SWP project water. This was followed by the spreading of 14,000 ac-ft in CY 2024. In total, 145,136 ac-ft of imported water have been spread on behalf of BCVWD since CY 2006, as listed in Table 3-4.

*imported by*

The City of Banning began purchasing imported water for recharge at BCVWD's NCRF in July 2008 and has since recharged 16,477.2 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 and limited spreading in CY

*imported*

2022. In CY 2023, the City of Banning spread 1,000 ac-ft of imported water; this quantity was increased to 1,500 ac-ft in CY 2024.

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~~ *north of 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 store 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 through the Mountain View Turnout. In CY 2023, SGPWA spread 9,220.1 ac-ft at this location primarily for BCVWD and the city of Banning; an additional 7,785 ac-ft were spread at this facility during CY 2024. 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 2021-2023 three-year period to an annual average of 3,958 ac-ft; in CY 2023 a total of 3,790 ac-ft of treated wastewater was discharged.

**Comments Received from**  
**Steve Stuart, Administrative Consultant**  
**and Response to Comments**





- \* Page 3-17, Section 3.9. Have you been able to update this section?
- \* Missing 2024 in Figure 3-8.
- \* Just a thought for perhaps the next report, but it would be interesting to replace the basemap images in the upper right boxes for figures 4-4 to 4-17 with portions from figures 4-2 and 4-3.

Steve

Steven Stuart, PE C79764

O: 760 479 4128 C: 760 415 9079

Principal Hydrogeologist

dudek.com

**BEAUMONT BASIN WATERMASTER****MEMORANDUM NO. 25-18**

**Date:** June 11, 2025

**From:** Steven Stuart, Dudek

**Subject:** Update on Proposed Revisions to BBWM Rules and Regulations

**Recommendation:** For Discussion Purposes Only

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At the March 5, 2025 special meeting, Mr. Stuart presented a table summarizing comments received by the City of Banning and the Yucaipa Valley Water District on some of the proposed revisions to the Watermaster Rules and Regulations. The table is attached with this memorandum. Mr. Stuart highlighted some of the comments for discussion at the 3/5/25 meeting. In summary, the following comments were discussed with a short synopsis of the discussion and next steps:

- A definition for the term, “Annualized Safe Yield” shall be included in the Rules and Regulations. Mr. Vela requested that all capitalized references have a definition.
- Mr. Zoba proposed that a new term, “Overlying-Appropriative Water Right” be added to the definitions and included as part of the storage account calculations to track water obtained by an appropriator via Overlying party transfer. This water is subject to adjustment when the safe yield is redetermined.
- Ms. Ares inquired if return flows shall be considered supplemental water or new yield. The Watermaster Committee discussed the need to develop a methodology to calculate the quantity of return flows and how it is accounted for the appropriator that provided the water. Recommendation was to develop a methodology to calculate return flows and an approach to assigning ownership or usage to entities that originally provided the water before incorporating into the Rules and Regulations.
- Mr. Zoba proposed an approach to addressing when an appropriator’s storage account is depleted and is less than zero at the end of a calendar year. There is no provision in the Judgement to deal with such a matter. Mr. Vela pointed out that this is an important topic that should be addressed separately before incorporating into the Rules and Regulations.
- Mr. Jagers commented on the wording in Section 3.1 on Measuring Devices in the Rules and Regulations that the, “Watermaster, at its expense, perform routine maintenance on all well meters in the Beaumont Basin.” Mr. Jagers questioned whether the Watermaster should be responsible for maintenance, or that it should fall under the individual well owners/agencies to maintain the measuring devices. Mr. Stuart concurred and offered that the language be revised to indicate that the Watermaster shall validate the calibration and accuracy of the measuring devices by obtaining calibration records and other documentation demonstrating the accuracy of the measuring device by the individual well owners.

At this meeting, Mr. Stuart is seeking feedback on the proposed revisions to the Rules and Regulations by the other member agencies and will open the floor for further discussion on any proposed revision presented to date. Mr. Stuart will discuss a timeline for receiving comments and presenting a version of the Rules and Regulations with proposed revisions for consideration at a later meeting by the Watermaster Committee.

# VII-D Attachment 1

## Comments on Proposed Revisions to the Beaumont Basin Watermaster Rules and Regulations

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment
2/12/2025	Art Vela	18	4.0	Safe Yield and Storage Accounts	Comment: "I didn't see a definition for Annualized Safe Yield below. Is this supposed to replace Operating Safe Yield in 4.2.1.a? General Comment: Please confirm all capitalized references have a definition."
2/12/2025	Art Vela	22	5.3	New Yield	Comment: "I want to make sure that we are clear that not all storm water capture facilities increase the amount of recharge above the natural recharge in a stream system. In some instances, yes it may. I want to make sure that everyone is comfortable that this language identifies this fact."
2/12/2025	Art Vela	30	7.3 (b)	Notice of Adjustments of Rights from an Overlying Party to an Appropriator	Comment: "This information would likely be available after the submittal of Form 5. Is this an estimated amount or is supplemental information as listed in (c)."
2/12/2025	Art Vela	Form 1		Application for Groundwater Storage Agreement	Comment on Applicant's Signature: "Should this be a board member signature of proof that signer has been given the authority by board?"
2/12/2025	Art Vela	Form 2		Groundwater Storage Agreement #____	Comment on Storage Party: "Should we require proof of signature authority or include attorney signature as well?"
2/12/2025	Art Vela	Form 5		Notice to Adjust Rights of an Overlying Party Due to Proposed Provision of Water Service by an Appropriator	Comment: "Should we list out the additional information required as listed in the Rules /Regs Section 7.3?"
2/12/2025	Art Vela	Form 7		Transfer of Appropriator Production Right or Operating Yield Between Appropriators	Comment: "Should we require proof of signature authority (e.g. minutes of board action)?"

Comments on Proposed Revisions to the Beaumont Basin Watermaster Rules and Regulations

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment
2/12/2025	Art Vela	Form 8		Transfer of Right to Recapture Water in Storage Between Appropriators	Comment: "Should a proof of board action from each agency involved be included?"
2/24/2025	Joe Zoba	1	1.1 (b)	Definitions	Add ", or as amended in the future." to the last sentence.
2/24/2025	Joe Zoba	1	1.1 (f)	Definitions	Recommend deleting, "Salt Credits may be used by Appropriators to facilitate implementation of the Integrated Regional Water Management Program for the San Timoteo Watershed (Wildermuth, 2005) and as an offset against potential impacts associated with discrete projects. This does not preclude development of Salt credits by Appropriators implementing projects through agreements with their users."
2/24/2025	Joe Zoba	2	1.1 (j)	Definitions	Added "Supplemental Water" throughout document where "Supplemental" is shown and referring to Supplemental Water.
2/24/2025	Joe Zoba	2	1.1 (k)	Definitions	Add " <i>and alternate as provided in Section 2.14</i> " to the sentence, "'Watermaster' and 'Watermaster Committee' means the 5-member committee of the Beaumont Basin Watermaster composed of persons nominated by the City of Banning, the City of Beaumont, the Beaumont-Cherry Valley Water District, the South Mesa Mutual Water Company and the Yucaipa Valley Water District, each of whom shall have the right to nominate one representative <i>and alternate as provided in Section 2.14</i> who shall be an employee of or consultant to the nominating agency."
2/24/2025	Joe Zoba	7	2.14	Watermaster Alternates	Comment, "See VI.4 of the Judgement to include consultants."
2/24/2025	Joe Zoba	13	3.3.5.3 (a)	Manual Groundwater Level Measurements	Add, "or equivalent" following "Alconox solution" in the text.
2/24/2025	Joe Zoba	18	4.2.1	Storage Accounts: Definitions	Comment: "Add the definition of Overlying-Appropriative Water Right represents the volume of Overlying Water Rights transferred to an Appropriator and adjusted based on the redetermination of safe yield."

## Comments on Proposed Revisions to the Beaumont Basin Watermaster Rules and Regulations

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment
2/24/2025	Joe Zoba	19	4.2.4	NEW SECTION: Depletion of a Storage Account	Propose new section: "4.2.4 Depletion of a Storage Account - In the event a Storage Account is depleted and it is determined that less than zero acre feet of water is available at the end of the calendar year, the Watermaster shall levy an assessment equal to 1.5 times the then current supplemental water purchase charge for the San Gorgonio Pass Water Agency multiplied by each acre foot of water depleted from a Storage Account. The Annual Replenishment Assessment funds received by the Watermaster shall be divided equally and credited to each Appropriator, up to the amount of water in their Storage Account, as the annual rental for the temporary use of water to provide sufficient supplies to replace the overproduction by a Party to the Judgement (Judgement Section VI.5.N(1)). The Annual Replenishment Assessments by the Watermaster for any Overproduction by a Party to the Judgement will continue until the Storage Account is determined to be greater than zero acre feet at the end of the calendar year."
2/24/2025	Joe Zoba	20	4.3	Losses or Spills from the Basin	Comment reads, "Basin Water - Maybe we should add a definition to specifically state what Basin Water is as a term of art. I think Overlying Water Rights and Overlying-Appropriative Water Rights should be included in the definition of Basin Water."
2/24/2025	Joe Zoba	21	5.0	Recharge of Supplemental Water and New Yield Water	Add "Water" following "Supplemental" in "Add Supplemental and New Yield Water..."
2/24/2025	Joe Zoba	21	5.0 (a)	Recharge of Supplemental Water and New Yield Water	Comment reads, "Will a safe yield loss really be calculated annually, or does this only occur with the redetermination of safe yield?"
2/24/2025	Joe Zoba	21	5.0 (b)	Recharge of Supplemental Water and New Yield Water	Delete "publicly owned" from first sentence.
2/24/2025	Joe Zoba	21	5.1	Sources of Supplemental Water	Add "Title 22 Recycled Water approved by the Regional Water Quality Control Board"
2/24/2025	Joe Zoba	21	5.1 (d)	Sources of Supplemental Water	Replace "Metropolitan Water District" with "San Gorgonio Pass Water Agency"

## Comments on Proposed Revisions to the Beaumont Basin Watermaster Rules and Regulations

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment
2/24/2025	Joe Zoba	22	5.2	Method of Replenishment of Supplemental Water	Comment reads, "Can this section be rewritten as a single paragraph instead of as an outline?"
2/24/2025	Joe Zoba	27	6.8	Groundwater Storage Agreements	Insert ", <i>injection</i> " in the following sentence: "...and confirmation of the Watermaster's right to inspect the recharge, <i>injection</i> and/or recapture facilities maintained and operated by the Storage Party."
2/24/2025	Joe Zoba	28	7.1	Overlying Water Rights and Redetermination of the Safe Yield	Revise the 2nd paragraph to read, "If an Overlying Party has previously transferred a portion of or all of its Overlying Water Right to an Appropriator, then the Overlying Water Right will be adjusted accordingly by subtracting the transferred amount ( <i>Overlying-Appropriative Right</i> ) from the modified Overlying Water Right. If the modified Overlying Water Right is less than the amount previously transferred to an Appropriator, then the amount of the Overlying Water Right, <i>if any, and Overlying-Appropriative Right will be reduced proportionally</i> ."
2/24/2025	Joe Zoba	28	7.1	Overlying Water Rights and Redetermination of the Safe Yield	Revise the first sentence of the 4th paragraph to read, "After the Overlying Parties <i>and Overlying-Appropriative Parties</i> comments are <i>reviewed</i> , the Watermaster shall consider approving the redetermined Safe Yield at a Watermaster Regular Meeting."
2/24/2025	Joe Zoba	28	7.1	Overlying Water Rights and Redetermination of the Safe Yield	Revise the first sentence of the 3rd paragraph to read, "A draft of the <i>redetermination of safe yield</i> technical report shall be <i>presented to the Overlying Parties and Overlying-Appropriative Parties</i> to review and provide comments."
2/24/2025	Joe Zoba	29	7.2	Adjustment of Overlying Water Rights	Comment in 2nd paragraph: "What is paragraph 7(a)?"
2/24/2025	Joe Zoba	29	7.2	Adjustment of Overlying Water Rights	Revise the 2nd sentence of the 2nd paragraph to read, "The Appropriator Party providing such service shall have the right to produce the volume of water foregone <i>by the Overlying Party as an Overlying-Appropriative Right</i> , in addition to other rights otherwise allocated to the Appropriator Party."
2/24/2025	Joe Zoba	29	7.2	Adjustment of Overlying Water Rights	Delete "portable" from the first sentence in the 3rd paragraph.
2/24/2025	Joe Zoba	30	7.4	Accounting of Transfers	Delete "as appropriate" from last sentence in paragraph.

## Comments on Proposed Revisions to the Beaumont Basin Watermaster Rules and Regulations

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment
2/24/2025	Joe Zoba	30	7.5	Transfer of Water Between Appropriators	Add "prior to the transfer taking place." to the end of the 2nd sentence in the paragraph.
2/24/2025	Joe Zoba	32	8.1	Potential Conflict	Delete Section 8.1
2/24/2025	Jennifer Ares	1	1.1 (c)	Definitions	Add "new" to the following sentence: "'New Yield Water' means water derived from an increase in yield in quantities greater than historical amounts from sources of supply including, but not limited to, capture of <i>new</i> available stream flow and rising groundwater..."
2/24/2025	Jennifer Ares	1	1.1 (c)	Definitions	"ASR recharge?"
2/24/2025	Jennifer Ares	2	1.1	Definitions	Add definition for Recapture
2/24/2025	Jennifer Ares	3	2.3	Quorum	Revise sentence to read, "A majority of the 5-member <i>board, which is 3 members</i> , acting as the Watermaster shall constitute a quorum for the transaction of business."
2/24/2025	Jennifer Ares	3	2.4	Voting Procedures	Add, "per Brown Act procedures." to the end of the sentence.
2/24/2025	Jennifer Ares	4	2.9	Contracts	Revise to read, "The Watermaster may enter into contracts and agreements for the performance of any of its powers pursuant to the Judgement and Rules & Regulations."
2/24/2025	Jennifer Ares	5	2.11 (c)	Special Project Assessments	Revise first sentence to read, "Special Project Assessments will be levied to cover special project expenses including: special engineering, economic or other studies, litigation expenses <i>against the Watermaster</i> , meter testing,..."
2/24/2025	Jennifer Ares	6	2.13	Notice and Waiver of Notice	Question: "Approved by a judge?"
2/24/2025	Jennifer Ares	6	2.14	Watermaster Alternates	Add language to note that alternates need to be approved by a judge.
2/24/2025	Jennifer Ares	11	3.3.2.2 (4)	New Wells	Revise to read, "Reference points shall be surveyed by a California licensed surveyor per the details included in Section 3.3.2.1 (3)."
2/24/2025	Jennifer Ares	22	5.3	New Yield	Do return flows constitute supplemental water and/or new yield?

**BEAUMONT BASIN WATERMASTER  
MEMORANDUM NO. 25-19**

**Date:** June 11, 2025  
**From:** Steven Stuart, Dudek  
**Subject:** Consideration of Special Meetings / Workshops  
**Recommendation:** Consider setting a schedule for special meetings/workshops in 2025

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Since 2023, the Watermaster Committee has held several successful and constructive special meetings to facilitate more in-depth discussions on various topics. To further the dialog, particularly on the analysis of basin losses and review of proposed revisions to the Rules and Regulations, the following dates for additional Watermaster Committee Special Meetings are proposed:

- Wednesday, July 9
- Wednesday, September 10

Schedule of Regular Meetings in 2025:

- August 6
- October 1
- December 3

**BEAUMONT BASIN WATERMASTER**

**MEMORANDUM NO. 25-20**

**Date:** June 11, 2025

**From:** Thomas Harder, Thomas Harder & Co. (TH&Co)

**Subject:** Consideration of Amendment to Task Order No. 4 for Preparation and Attendance at Special Committee Meetings.

**Recommendation:** That the Watermaster Committee approves an amendment to Task Order No. 4 for a sum not to exceed \$12,825.00

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At the April 2024 Watermaster Committee meeting, the Committee agreed to continue holding at least three additional special meetings to enable planning to develop strategies to optimize management of the groundwater basin. TH&Co/Alda has been attending special meetings under Task Order 4. However, the original scope of work for attendance at up to four meetings has been used and additional meetings are out of scope.

The proposed amendment to the scope of services for Task Order No. 4 is for preparation and attendance at an additional three Special Meetings in 2025.

The proposed budget is \$12,825.00 and is based on 80 engineering and administrative hours.

The financial impacts associated with the proposed contract amendment would result in a budget line item of \$12,825.00, and if approved would result in invoices sent to each Watermaster Committee member totaling up to \$2,565.00.

June 3, 2025

Mr. Art Vela  
Beaumont Basin Watermaster  
99 E. Ramsey St.  
Banning, California 92220

**Re: Beaumont Basin Watermaster – Proposed Amendment to Task Order 4 -  
Attendance at Special Committee Meetings**

Dear Mr. Vela,

This letter outlines our proposed scope of services and consulting fee to prepare for and attend three additional Special Meetings for the Beaumont Basin Watermaster (the Watermaster). To date, seven Special Meetings have been held to develop strategies to optimize management of the groundwater basin. Three additional meetings are being envisioned for fiscal year 2025 to further articulate the vision and goals of the Beaumont Basin Watermaster. The cost estimate to attend the three additional meetings would be an amendment to Task Order 4.

Our proposed scope of services includes preparation for and attendance at three Special Committee meetings.

Estimated Hours:	60 Hours
Estimated Cost:	\$12,825.00

The total estimated cost for this scope of work is \$12,825 as summarized in Table 1. Services will be billed on a time and materials basis up to the approved limit according to the billing rates shown in Table 1.

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

I appreciate the opportunity to provide consulting services for the Beaumont Basin Watermaster. If you have any questions, don't hesitate to contact me at (714) 394-4449.

Sincerely,



Thomas Harder, P.G., C.HG.  
Principal Hydrogeologist



**Cost Estimate for Beaumont Basin Watermaster Engineering Services  
Task Order No. 4 Attendance at Special Meetings**

Task	Description	Thomas Harder & Co.								ALDA				Total Cost
		Principal Hydro-Geologist	Associate Hydro-Geologist	Senior Hydro-Geologist	Project Geo-Scientist	Staff Geo-Scientist	Graphics	Clerical	Total Hours TH&Co	Project Manager	Professional Engineer	Staff Engineer	Total Hours ALDA	
		\$220/hr	\$190/hr	\$160/hr	\$135/hr	\$115/hr	\$100/hr	\$80/hr		\$225/hr	\$200/hr	\$175/hr		
1	Special Meeting Preparation	9	0	0	6	0	0	0	15	9	0	0	9	\$4,815
2	Special Meeting Attendance (Assume 3 Meetings)	18	0	0	0	0	0	0	18	18	0	0	18	\$8,010
<b>Total Labor Hours Tasks 1 and 2</b>		<b>27</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>\$12,825</b>

**BEAUMONT BASIN WATERMASTER  
MEMORANDUM NO. 25-21**

**Date:** June 11, 2025

**From:** Hannibal Blandon, ALDA Inc.

**Subject:** **Certification of Groundwater Production and Imported Water Use during Water Year 2024**

**Recommendation:** **Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during Water Year 2024**

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Note: This item was reviewed at the April 2, 2025 meeting but was not certified. Staff requests the Watermaster Committee certify the report with a formal vote.

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 thereafter are being submitted on a Water Year basis. The Annual Report will continue to be submitted on a Calendar Year basis.

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:

- ✓ 2024 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)
- ✓ 2024 Surface Water Supply
  - State Water Project deliveries: 16,147 ac-ft (Low uncertainty)
- ✓ Total Water Use: 15,033 ac-ft
- ✓ 2024 Change in Storage: 3,643 ac-ft

Attachments: 2024 Production Certification

# ALDA Inc.

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

March 20<sup>th</sup>, 2025

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 2024**

Dear Mr. Jagger:

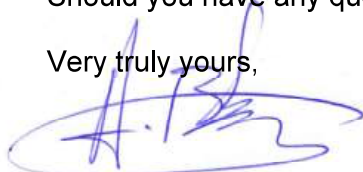
The purpose of this letter is to provide you, as Secretary of the Beaumont Basin Watermaster, with the necessary information to fill out an on-line form with the State of California Department of Water Resources (DWR) documenting the use of water in the basin during Water Year 2024.

Considering the 2024 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 2024 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 2024 Draft report. Storage change during CY 2024 is documented in the attached figures. The requested information is as follows:

- ✓ 2024 Groundwater Production
  - Total groundwater production: 14,650 ac-ft
  - Metered production: 14,637 ac-ft (Low uncertainty)
  - Other method (Water Duty): 13 ac-ft (Medium uncertainty)
- ✓ 2024 Surface Water Supply
  - State Water Project deliveries: 15,387 ac-ft (Low uncertainty)
- ✓ Total Water Use: 14,650 ac-ft
- ✓ 2024 Change in Storage: 312 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