Notice and Agenda

Regular Meeting of the Beaumont Basin Watermaster

Wednesday, October 1, 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.

Members of the Watermaster Committee:

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

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

Online Meeting Participation Link:
https://us02web.zoom.us/j/81638720446?pwd=UnNZcC9TbGZzTGFuMHdhVkRMblczQT09

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/

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 Jaggers		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

All matters listed under the Consent Calendar are considered by the Committee to be routine and may be approved in one motion.

A. Meeting Minutes

i. August 6, 2025 Regular Meeting [Page 6]

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through September 15, 2025 [Page 14]

C. Comparison of Production Rights versus Production through August 2025 [Page 26]

D. Beaumont Basin Watermaster Committee 2026 Meeting Schedule [Page 27]

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 and Possible Action Items

A. Update on Analysis of Losses in the Beaumont Basin - Thomas Harder & Co. [Memorandum No. 25-27, Page 29]

Recommendation: None. Information / discussion only

B. Update on Proposed Revisions to the BBWM Rules and Regulations [Memorandum No. 25-28, Page 30]

Recommendation: None. Information / discussion only

C. Consideration to Retain Dudek to Evaluate and Develop a Policy to Account for Return Flows in the Beaumont Basin [Memorandum No. 25-29, Page 38]

Recommendation: That the Watermaster Committee enter into agreement with Dudek to evaluate and develop a policy to account for return flows in the Beaumont Basin for a sum of $27,400 and send invoices to each Watermaster Committee member for 20% of the approved amount

D. Discussion of Beaumont Basin Watermaster Responsibilities, Powers, and Duties regarding Basin Oversight related to proposed recycled water recharge projects and Yucaipa Valley Water District and the City of Beaumont [Memorandum No. 25-29, Page 44]

Recommendation: None. Information / discussion only

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
G	YVWD Aquifer Storage and Recovery (ASR) project	6/11/2025

IX. Comments from the Watermaster Committee Members

X. Announcements

Per BBWM Rules and Regulations, the Committee meets on the first Wednesday of even-numbered months

2025 Meeting Dates:	
Wednesday, December 3 at 11 a.m.	Regular Meeting
2026 Meeting Dates:	
Wednesday, February 4 at 11 a.m.	Regular Meeting
Wednesday, April 1 at 11 a.m.	Regular Meeting
Wednesday, June 3 at 11 a.m.	Regular Meeting
Wednesday, August 5 at 11 a.m.	Regular Meeting
Wednesday, October 7 at 11 a.m.	Regular Meeting
Wednesday, December 2 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 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
Special Meeting
Wednesday, August 6, 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 11:02 a.m.

II. Roll Call

City of Banning	*Art Vela*	*Present*
City of Beaumont	*Dustin Christensen*	*Present*
Beaumont-Cherry Valley Water District	*Dan Jaggers*	*Present*
South Mesa Water Company	*David Armstrong*	*Present*
Yucaipa Valley Water District	*Joseph Zoba*	*Present*

Hannibal Blandon attended via teleconference as engineer for the Beaumont Basin Watermaster (BBWM).
Thomas Harder was present as hydrogeologist for BBWM.
Thierry Montoya was present as BBWM legal counsel.
Steve Stuart was present as Administrator of the BBWM.

Members of the public who registered and / or attended:
Thaxton Van Belle, City of Beaumont
Shah Nawaz, City of Banning
Erin Anton, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Mike Kostelecky, Yucaipa Valley Water District
Allison Edmisten, Yucaipa Valley Water District
Brett Granlund, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Larry Smith, San Gorgonio Pass Water Agency
Emmett Campbell, San Gorgonio Pass Water Agency
Michael Plinski, San Bernardino Valley Municipal Water District
Jenny Savron, West Valley Water District
Matt Ford, Thomas Harder & Co.
Lauren Healey, Thomas Harder & Co.
Mark Swanson, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
D. Lee
Erik M.
Travis Van Ligten

Jessica Wright
Anthony Mendoza

III. Pledge of Allegiance

IV. Public Comments: None.

V. Consent Calendar

A. Meeting Minutes
   i. June 11, 2025 Special Meeting

B. Status Report on Water Level Monitoring throughout the Beaumont Basin through July 27, 2025

C. A Comparison of Production Rights versus Production through June 2025

D. City of Banning: Notification of New Well C8 within the Beaumont Basin

It was moved by Member Zoba and seconded by Member Jaggers to approve the Consent Calendar items:

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

VI. Reports

A. Report from Engineering Consultant – Hannibal Blandon, ALDA Engineering
Mr. Blandon advised that the completed 2024 Final Annual Consolidated Engineering Report should be posted in the next day or two.

B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co. (THC) – No report

C. Report from Administrative Consultant – Steve Stuart, Dudek – No report

D. Report from Legal Counsel – Thierry Montoya – Frost, Brown, Todd – *Mr. Montoya reported that staff is responding to a Public Records Act request from the Morongo Band of Mission Indians*.

Montoya advised the Committee that no action could be taken during a Special Meeting.

VII. Discussion Items

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

Recommendation: Discussion only; no action

Consultant Tom Harder of Thomas Harder & Company (TH&Co) provided an update on the ongoing modeling effort to evaluate changes in subsurface outflow under varying hydrologic conditions. He explained that three imported water delivery future scenarios—dry, baseline, and wet—were analyzed to assess how recharge affects basin underflow. Average deliveries over the 50-year forecast period ranged from about 11,000 acre-feet under dry conditions to about 16,000 acre-feet under wet conditions.

Harder reviewed model output comparing inflow and outflow across the basin boundaries. The West Study Area showed little change between the scenarios, with net underflow remaining near 5,500 acre-feet annually. The analysis showed that with managed recharge in the east side during a wet scenario there will be some increase in underflow to the west, but it's very minor. The East Study Area, however, displayed greater variability: under baseline conditions, net outflow was about 2,700 acre-feet per year; wet conditions increased that loss, while dry conditions reduced it. Harder emphasized that this portion of the analysis is limited to underflow and does not represent the full basin water balance or safe yield.

Harder then described particle tracking simulations from the Noble Creek and Brookside recharge sites. The results suggested that most recharge water remains within the basin during the 50-year model period, with only limited movement toward the southeastern boundary. Sensitivity runs using different porosity values indicated that the distance traveled by water molecules could vary, but the general pattern remained the same.

During discussion, Member Dan Jaggers asked whether water quality implications, such as dilution of chromium-6, could be evaluated. Harder noted that such questions could be considered in the future. Chairman Vela inquired about the porosity assumptions, and Harder explained they were drawn from published values and varied across the model. Jaggers also confirmed with Harder that, under the model assumptions, recharge water remains in the basin and is not lost to outside areas within the 50-year forecast period. He observed that particle tracking may differ across the Beaumont Plains fault.

In conclusion, Harder stated that preliminary results show little change in the West Basin, greater variability in the East Basin, and that underflow changes are largely due to pressure differences created by managed recharge. Particle tracking analysis suggests that most imported water does not leave the basin in the 50-year forecast period. He added that a technical memorandum is being

prepared to summarize the analysis and outline potential policy considerations for future discussion.

Public Comment – Lance Eckhart (San Gorgonio Pass Water Agency): Mr. Eckhart remarked that while the modeling is valuable, assumptions such as porosity are highly sensitive and should be treated cautiously. He suggested examining a "no pumping" scenario and emphasized coordination with neighboring Groundwater Sustainability Agencies (GSAs) to ensure consistent assumptions about water moving east into Cabazon and the Coachella Valley.

He noted that groundwater basins "breathe" during wet and dry cycles, complicating comparisons between short-term modeling and long-term safe yield. Eckhart encouraged continued investment in monitoring programs to provide empirical data on basin conditions, supported mound control as a management tool, and cautioned against policies that might discourage local storage of imported water. He also observed that recycled water and other new sources will play a role in basin management moving forward.

B. Update on Proposed Revisions to the BBWM Rules and Regulations

BBWM Administrator Steve Stuart reminded the Committee about the presentation of the proposed revisions and ongoing discussion. He stated he had received comments / feedback from two of the five member agencies and is seeking comment from the others by September 15. Comments would be incorporated into the revision and presented at the December meeting for consideration of adoption. He will send reminder emails.

C. Consideration to Retain Dudek to Evaluate and Develop Management Strategies for when Groundwater Storage Accounts are Negative

Recommendation: Enter into agreement with Dudek to evaluate and develop management strategies for negative groundwater storage accounts for a sum of $29,780 and send invoices to each Watermaster Committee member for 20% of the approved amount

BBWM Administrator Steve Stuart noted that the Stipulated Judgment and Watermaster Rules and Regulations establish groundwater storage accounts for Appropriators and Storage Parties. He reminded that questions have been raised about how to address situations where an account becomes negative, either due to water availability or financial circumstances. He proposed Dudek research other agencies' practices, assess management strategies, and recommend actions the Watermaster could adopt to prevent or remedy negative storage accounts. The proposed contract amount was $29,780.

Committee members offered several perspectives. Member Jaggers observed that BCVWD is the largest extractor in the basin and therefore has the greatest risk of being in deficit. He pointed out that a negative balance could arise for

different reasons: either the water was unavailable due to drought or system interruption, or the agency lacked funds to purchase supplemental water. Jaggers described BCVWD's current pass-through funding mechanism, which collects money at the time of water sale to pay for imported water, and noted that this approach has kept the District's accounts in balance. He suggested the Committee consider developing rules that identify triggering events—such as drought or State Water Project interruptions—that could prompt collective action by the Watermaster.

Member Zoba expressed uncertainty about the need for an outside study. He commented that Watermaster members already understand the basic strategies to avoid going negative, and that self-management by the agencies could be more effective than relying on an engineering study. Zoba suggested that instead, the Committee could focus on developing a policy statement within the ongoing Rules and Regulations update. He acknowledged, however, that the Watermaster must still prepare for "what if" scenarios and define its responsibilities should a member agency's account go negative.

In response, Stuart noted that the Judgment already provides mechanisms for water transfers that could restore an account to balance. He added that Dudek's proposal was intended to gather and organize management options into a framework, but if the Committee preferred to frame a policy statement internally, that approach would also be workable.

Chair Art Vela recalled that the discussion originated with questions about the Watermaster's role if an agency goes negative. He stated that the ultimate goal was to avoid simply requiring the Watermaster to acquire water on behalf of an agency that fell short. Vela emphasized that a policy should include consequences or deterrents to discourage agencies from relying on the Watermaster to remedy their deficits, while still providing a clear plan of action.

Further discussion addressed potential supplemental sources of water, such as recycled water and return flows, which could provide more reliable options in the future. Jaggers added that past droughts had demonstrated the need for flexible management and that off-site storage agreements and regional partnerships have strengthened reliability. He reiterated that advance planning and early recognition of triggering events would allow the Watermaster to convene and respond before a negative balance occurred.

After extended discussion, Zoba suggested tabling the item and rolling the matter into the Rules and Regulations update. He proposed that once policies addressing negative storage accounts are incorporated there, the Committee could reconsider whether additional technical work was necessary.

It was moved by Member Zoba and seconded by Member Jaggers to continue this item to a later meeting.

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

D. Consideration to Retain Dudek to Evaluate and Develop a Policy to Account for Return Flows in the Beaumont Basin

Recommendation: That the Watermaster Committee enter into agreement with Dudek to evaluate and develop a policy to account for return flows in the Beaumont Basin for a sum of $27,400 and send invoices to each Watermaster Committee member for 20% of the approved amount

Steve Stuart explained that the proposal was a follow-up to a 2022 technical memorandum prepared by TH& Co. that estimated the volume of return flows to the Beaumont Basin. He noted that while the earlier work quantified return flows, the next step was to address ownership and accounting. Specifically, the study would confirm the legality of Appropriators claiming rights to return flows, review methodologies used elsewhere and develop a framework to incorporate return flows into groundwater storage accounts. Stuart emphasized that state precedent supports the right of purveyors to reuse their return flows, but clear policy was needed to formalize the process.

The proposal called for Dudek to conduct literature review and research, and then develop an approach for how return flows could be quantified and credited back to the agencies that generated them. Questions such as where water was applied, how it returned to the basin, and how much could properly be credited would be part of the evaluation. The contract amount was proposed at $27,400, to be shared equally among the Watermaster members.

Committee members raised questions and observations. Member Armstrong observed that since SMWC had little or no services within the Beaumont Basin it may be exempt from participation. Stuart responded that rights to return flows would likely depend on where water was applied and whether it returned to the basin, suggesting that there could be cases where certain agencies would have no claim to return flows. Armstrong clarified that while South Mesa had limited involvement in return flows, his agency remained a team player and supported participating.

Member Jaggers commented that the issue was particularly relevant to agencies overlying the basin. He observed that return flows contribute to the basin's average annual yield and therefore have long-term implications for basin management and the ten-year reevaluation. Jaggers noted that return flows may vary by land use, citing older neighborhoods with irrigated turf and parks, compared to newer developments with less irrigation. He also cautioned

that state legislation promoting water conservation could reduce return flows over time, decreasing the benefit available for basin recharge.

Member Zoba emphasized the importance of considering not only the benefits of return flows but also their potential negative effects on water quality. He recommended that salt loading be included in the evaluation and stressed that agencies such as BCVWD and YVWD bear responsibility for salt management. Stuart confirmed that Dudek could incorporate water quality considerations into the study.

Chair Art Vela added that while some agencies, such as SMWC, may see little direct benefit, there could be indirect benefits across the basin. For example, if additional return flows are credited to Banning's account, that might reduce the amount of imported water the city needs to purchase, leaving more water available to others. He cautioned against excluding agencies from participation, noting that proportionality arguments could complicate basin governance. Vela concluded that the proposal had potential basin-wide value and supported moving forward if the Committee was committed to developing a policy.

Several members indicated support for the proposal and agreed that the discussion was valuable. The Committee concurred on bringing the item back at the next regular meeting for action.

E. Consideration of Special Meetings / Workshops in 2025

Recommendation: Consider setting a schedule for special meetings / workshops in 2025

The Committee declined to add special meetings.

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
G	YVWD Aquifer Storage and Recovery (ASR) project	6/11/2025

IX. Comments from the Watermaster Committee Members:

Member Armstrong pointed to Item VIII-G (above) and requested that the Yucaipa Valley Water District Aquifer Storage and Recovery (ASR) project be placed on a future agenda for Watermaster discussion, noting the importance of reviewing such projects at the Committee level. Member Zoba responded that information on the project is still being developed and stated that YVWD intends to bring a full report to the Watermaster once testing and data are available. The Committee agreed that the matter could be agendized for discussion at a future meeting.

Member Jaggers reported that the City of Beaumont is making progress on their recycled water Adaptive Management Plan, leading toward better management of the Basin.

X. Announcements

2025 Meeting Dates:	
Wednesday, October 1 at 11 a.m.	Regular Meeting
Wednesday, December 3 at 11 a.m.	Regular Meeting
2026 Meeting Dates:	
Wednesday, February 4 at 11 a.m.	Regular Meeting
Wednesday, April 1 at 11 a.m.	Regular Meeting
Wednesday, June 3 at 11 a.m.	Regular Meeting
Wednesday, August 5 at 11 a.m.	Regular Meeting
Wednesday, October 7 at 11 a.m.	Regular Meeting
Wednesday, December 2 at 11 a.m.	Regular Meeting

XI. Adjournment

Chair Vela adjourned the meeting at 12:08 p.m.

Attest:

DRAFT UNTIL APPROVED

_____

Daniel Jaggers, Secretary
Beaumont Basin Watermaster

BEAUMONT BASIN WATERMASTER

Date: October 1st, 2025

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin through Sept 15, 2025

Recommendation: No recommendation.

At the present time, there are 15 monitoring wells equipped with pressure transducers collecting water level information on an hourly basis at various locations throughout the basin. In addition, two of these monitoring wells are equipped with additional probes to collect barometric pressures at opposite ends of the 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 23-foot decline has been recorded at YVWD 34 over this period to its current elevation of 2,119 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.

- ✓ 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. Over the next 42 months, 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 2,449 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 55 ft. to elevation 2,300 ft., just two 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 2025, water level at this well declined 13 ft. into the summer to its current level of 2,501 ft near the bottom of its operating range. Water level at this well is anticipated to increase as summer comes to an end into the fall and winter months.

- ✓ 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 2,420 ft in the last three 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 2,200 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 nine manual readings at this well. Current water level is at elevation 2,042 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 2,134 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, in the summer of 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 last three visits. While the probe continues to record levels, this information will be extracted from the probe during our next visit as we want to minimize the potential for the probe to be stuck again inside the well.

- ✓ 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 2,210 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 2,213 ft. Water level data for the last

four months is not available as the probe needs to be replaced; only manually recorded data is used.

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 three most recent visits. The probe will be pulled during our November visit to download the information collected. Downloading of this data will take place twice a year to minimize the potential for the probe to be stuck inside the well. During our next visit we will also consider the possibility of replacing the communications cable at this well.

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
- ✓ Tukwet B

Potential Monitoring Sites

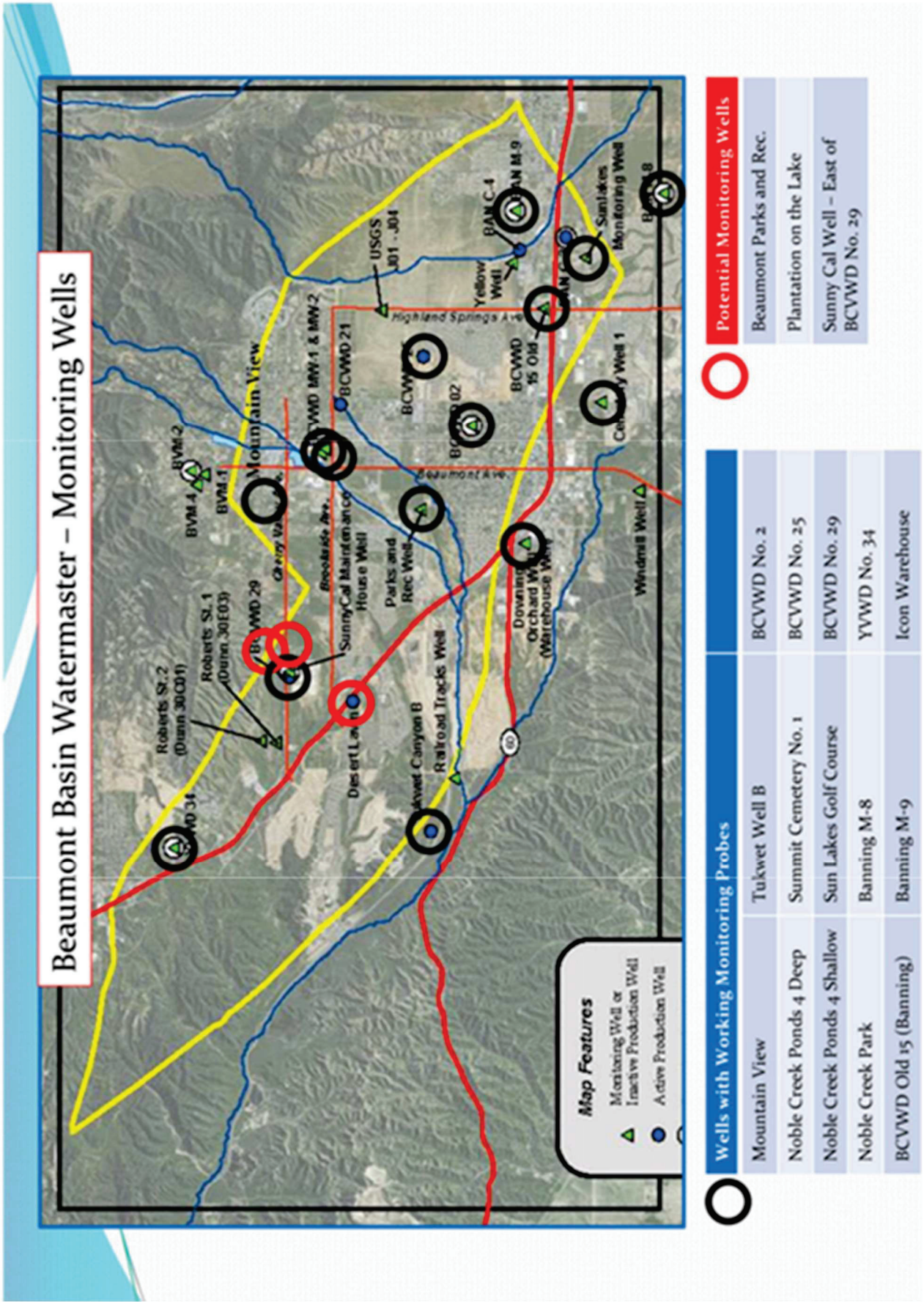
Two production wells have been identified as potential monitoring wells recently. The owners have been contacted and the sites visited. The first well is owned by the Beaumont-Cherry Valley

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


Beaumont Basin Watermaster – Monitoring Wells
Map Features
Monitoring Well or Inactive Production Well
Active Production Well
Mountain View
Roberts St. 2 (Dunn 3S/01)
Roberts St. 1 (Dunn 3S/03)
BVM 2
BVM 4
BVM 1
BCVWD 29
SunnyCal Maintenance House Well
Parks and Rec Well
Desert Lawn
Tukwet Canyon B
Railroad Tracks Well
YVWD MW-1 & MW-2
BCVWD 21
BCVWD 02
BCVWD 15 Old
Yellow Well
BANC-4
USGS 001 - 004
Highland Springs Ave
Beaumont Ave.
Windmill Well
Sunlakes Monitoring Well
Wells with Working Monitoring Probes
Mountain View
Noble Creek Ponds 4 Deep
Noble Creek Ponds 4 Shallow
Noble Creek Park
BCVWD Old 15 (Banning)
Tukwet Well B
Summit Cemetery No. 1
Sun Lakes Golf Course
Banning M-8
Banning M-9
BCVWD No. 2
BCVWD No. 25
BCVWD No. 29
YVWD No. 34
Icon Warehouse
Potential Monitoring Wells
Beaumont Parks and Rec.
Plantation on the Lake
Sunny Cal Well – East of BCVWD No. 29

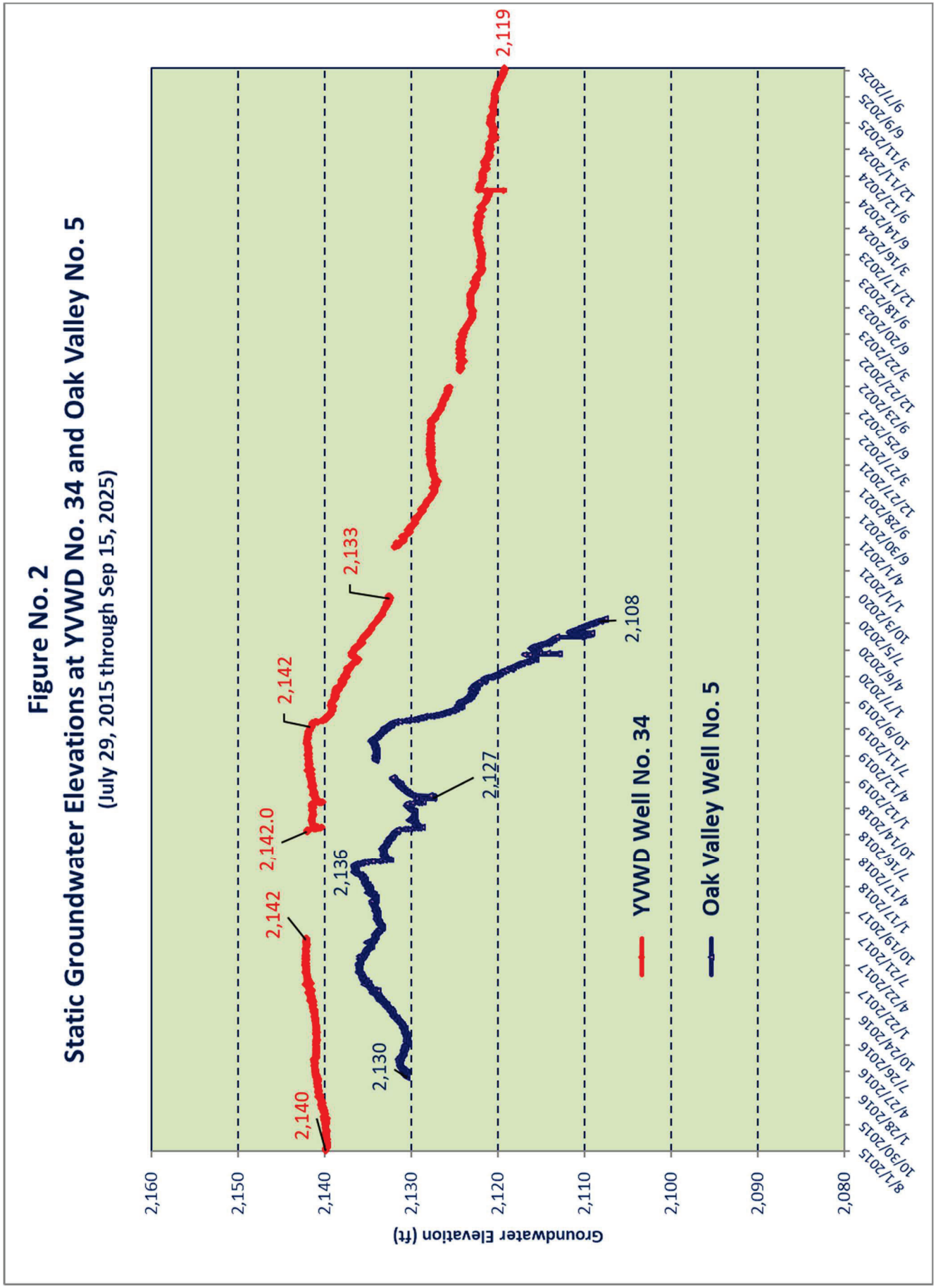


Figure No. 2
Static Groundwater Elevations at YVWD No. 34 and Oak Valley No. 5
(July 29, 2015 through Sep 15, 2025)
Groundwater Elevation (ft)
2,160
2,150
2,140
2,130
2,120
2,110
2,100
2,090
2,080
YVWD Well No. 34
Oak Valley Well No. 5
2,119
2,133
2,142
2,142.0
2,142
2,140
2,136
2,130
2,127
2,108
8/1/2015
10/30/2015
1/28/2016
4/27/2016
7/26/2016
10/24/2016
1/22/2017
4/22/2017
7/21/2017
10/19/2017
1/17/2018
4/17/2018
7/16/2018
10/14/2018
1/12/2019
4/12/2019
7/11/2019
10/9/2019
1/7/2020
4/6/2020
7/5/2020
10/3/2020
1/1/2021
4/1/2021
6/30/2021
9/28/2021
12/27/2021
3/27/2022
6/25/2022
9/23/2022
12/22/2022
3/22/2023
6/20/2023
9/18/2023
12/17/2023
3/16/2024
6/14/2024
9/12/2024
12/11/2024
3/11/2025
6/9/2025
9/7/2025

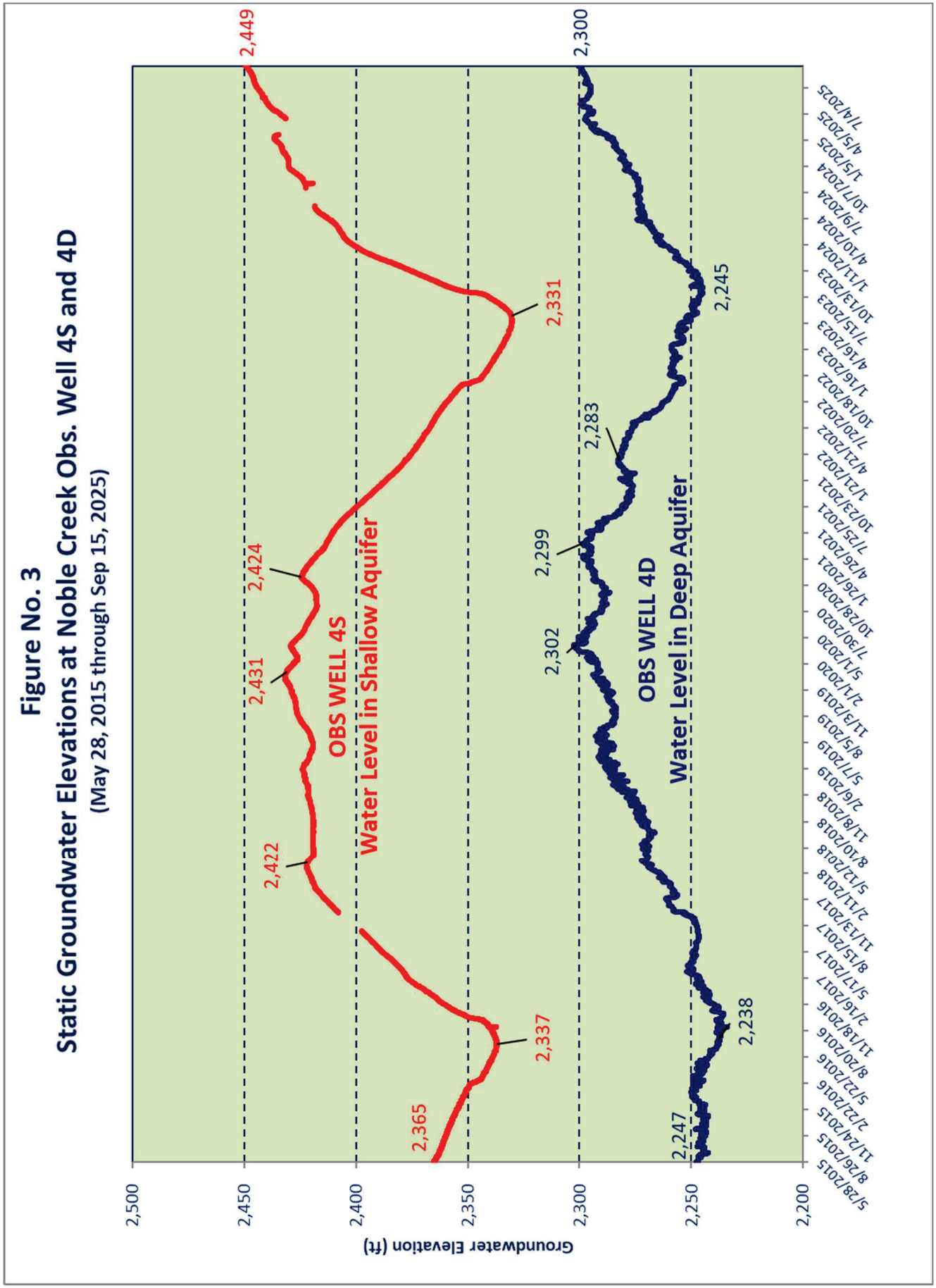


Figure No. 3
Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D
(May 28, 2015 through Sep 15, 2025)
OBS WELL 4S
Water Level in Shallow Aquifer
OBS WELL 4D
Water Level in Deep Aquifer
2,449
2,424
2,431
2,422
2,365
2,337
2,331
2,300
2,299
2,302
2,283
2,245
2,247
2,238
Groundwater Elevation (ft)
2,500
2,450
2,400
2,350
2,300
2,250
2,200
5/28/2015
8/26/2015
11/24/2015
2/22/2016
5/22/2016
8/20/2016
11/18/2016
2/16/2017
5/17/2017
8/15/2017
11/13/2017
2/11/2018
5/12/2018
8/10/2018
11/8/2018
2/6/2019
5/7/2019
8/5/2019
11/3/2019
2/1/2020
5/1/2020
7/30/2020
10/28/2020
1/26/2021
4/26/2021
7/25/2021
10/23/2021
1/21/2022
4/21/2022
7/20/2022
10/18/2022
1/16/2023
4/16/2023
7/15/2023
10/13/2023
1/11/2024
4/10/2024
7/9/2024
10/7/2024
1/5/2025
4/5/2025
7/4/2025

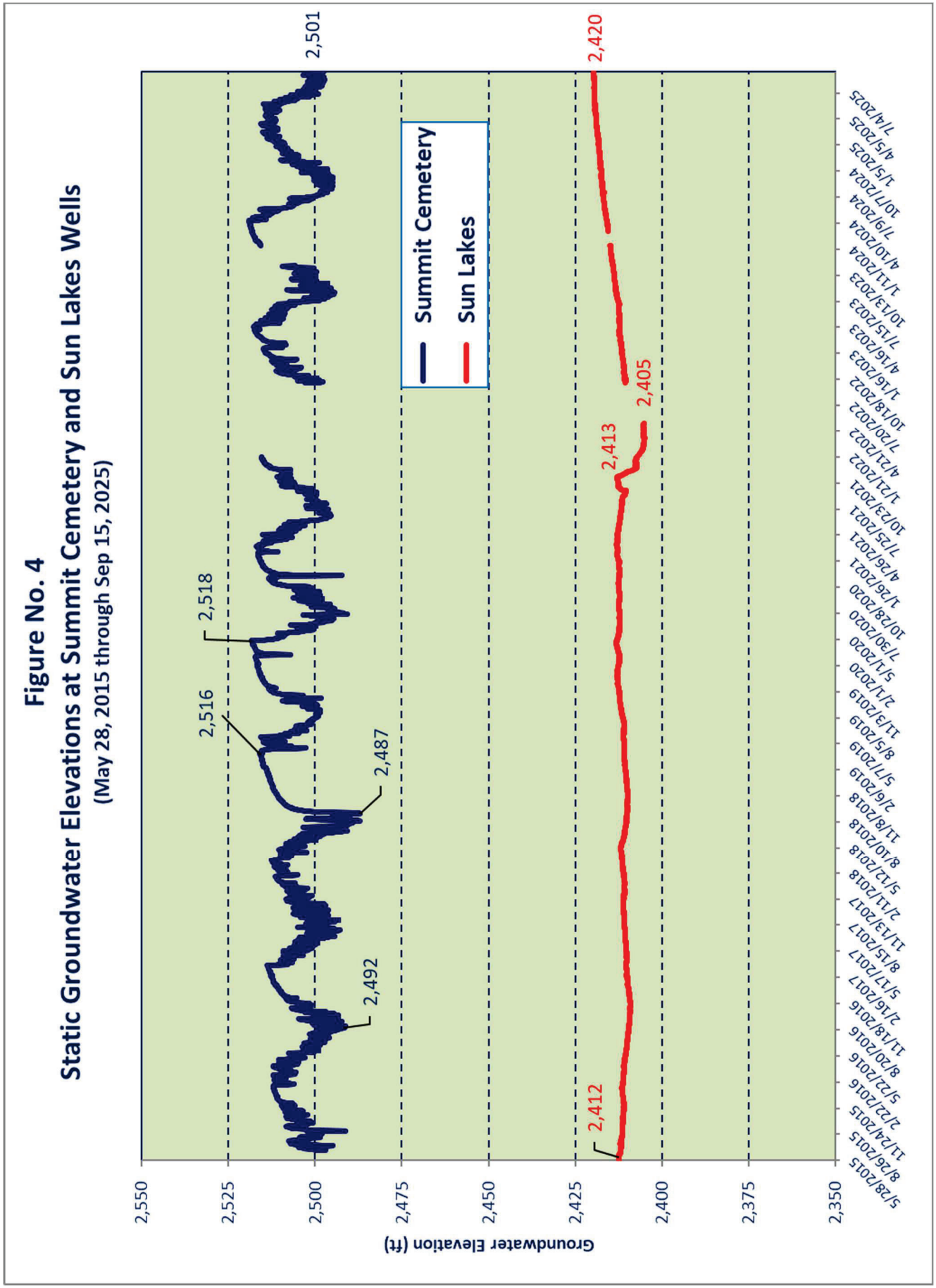


Figure No. 4
Static Groundwater Elevations at Summit Cemetery and Sun Lakes Wells
(May 28, 2015 through Sep 15, 2025)
Summit Cemetery
Sun Lakes
2,501
2,518
2,516
2,487
2,492
2,420
2,405
2,413
2,412
Groundwater Elevation (ft)
2,550
2,525
2,500
2,475
2,450
2,425
2,400
2,375
2,350
5/28/2015
8/26/2015
11/24/2015
2/22/2016
5/22/2016
8/20/2016
11/18/2016
2/16/2017
5/17/2017
8/15/2017
11/13/2017
2/11/2018
5/12/2018
8/10/2018
11/8/2018
2/6/2019
5/7/2019
8/5/2019
11/3/2019
2/1/2020
5/1/2020
7/30/2020
10/28/2020
1/26/2021
4/26/2021
7/25/2021
10/23/2021
1/21/2022
4/21/2022
7/20/2022
10/18/2022
1/16/2023
4/16/2023
7/15/2023
10/13/2023
1/11/2024
4/10/2024
7/9/2024
10/7/2024
1/5/2025
4/5/2025
7/4/2025

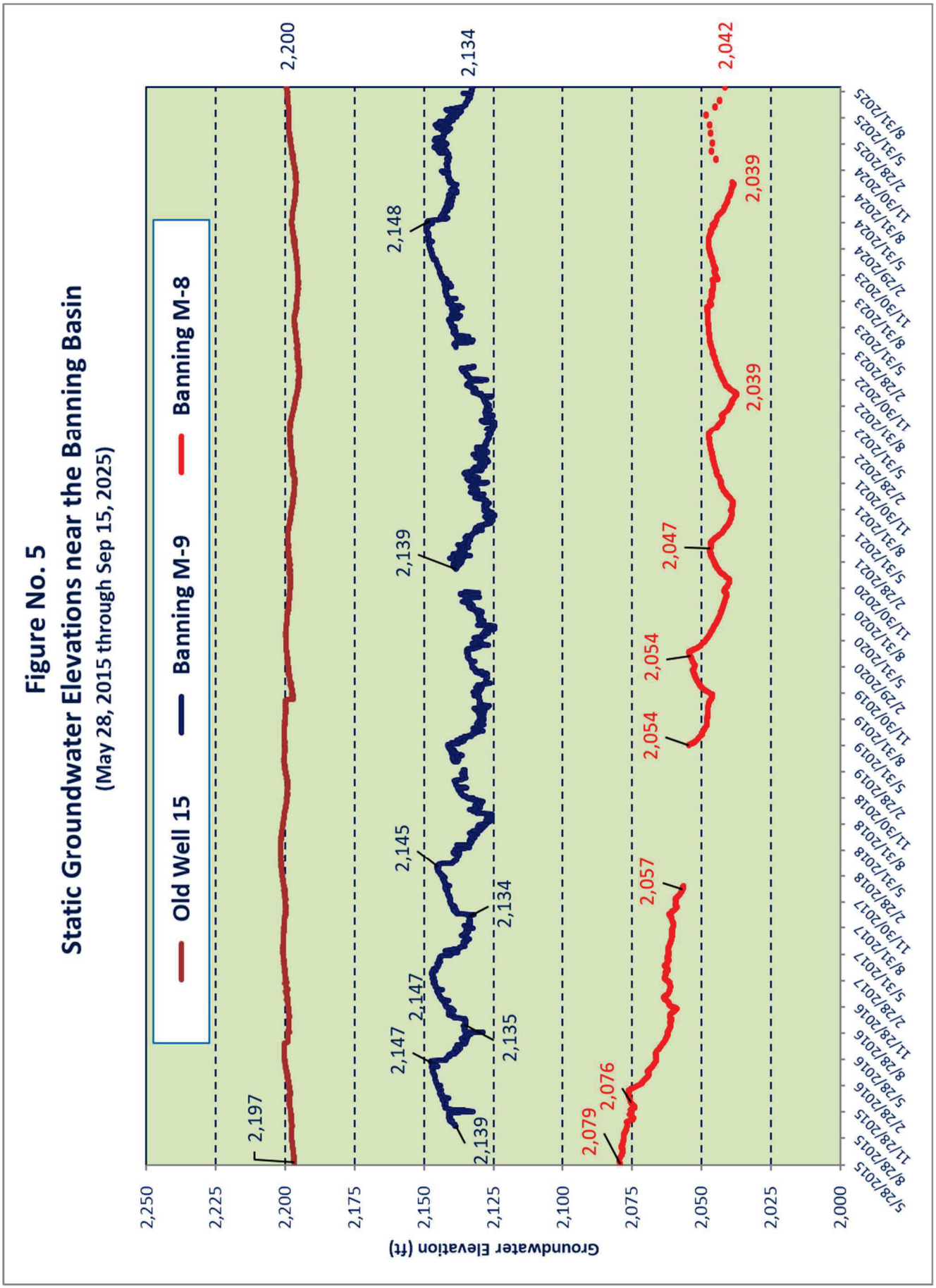


Figure No. 5
Static Groundwater Elevations near the Banning Basin
(May 28, 2015 through Sep 15, 2025)
Old Well 15
Banning M-9
Banning M-8
Groundwater Elevation (ft)
2,250
2,225
2,200
2,175
2,150
2,125
2,100
2,075
2,050
2,025
2,000
2,200
2,134
2,042
2,148
2,039
2,139
2,039
2,047
2,145
2,054
2,134
2,054
2,147
2,147
2,057
2,135
2,197
2,139
2,076
2,079
5/28/2015
8/28/2015
11/28/2015
2/28/2016
5/28/2016
8/28/2016
11/28/2016
2/28/2017
5/31/2017
8/31/2017
11/30/2017
2/28/2018
5/31/2018
8/31/2018
11/30/2018
2/28/2019
5/31/2019
8/31/2019
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5/31/2025
8/31/2025

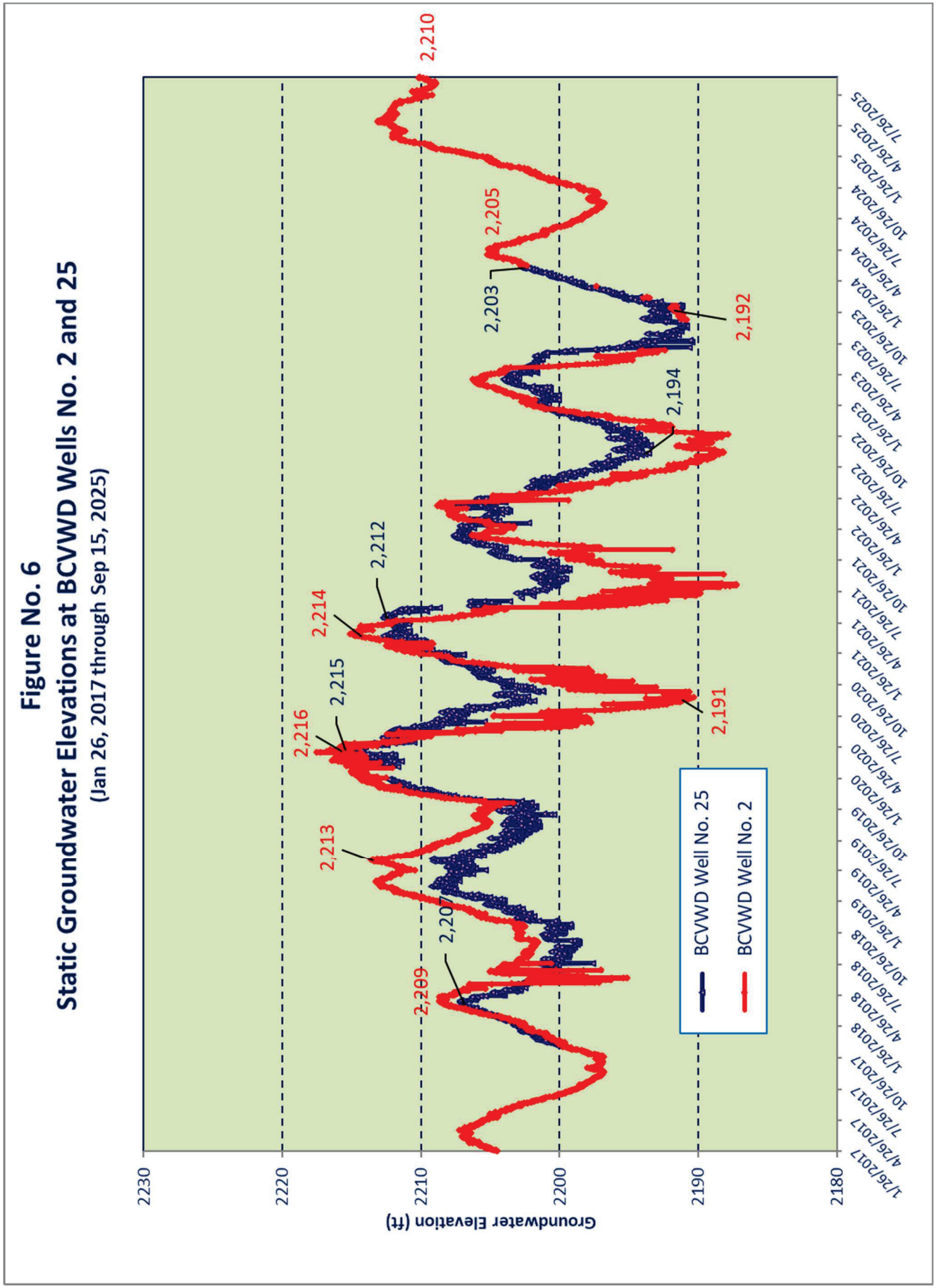
Figure No. 6
Static Groundwater Elevations at BCVWD Wells No. 2 and 25
(Jan 26, 2017 through Sep 15, 2025)
Groundwater Elevation (ft)
2230
2220
2210
2200
2190
2180
BCVWD Well No. 25
BCVWD Well No. 2
2,210
2,205
2,203
2,192
2,194
2,212
2,214
2,215
2,216
2,213
2,207
2,209
2,191
1/26/2017
4/26/2017
7/26/2017
10/26/2017
1/26/2018
4/26/2018
7/26/2018
10/26/2018
1/26/2019
4/26/2019
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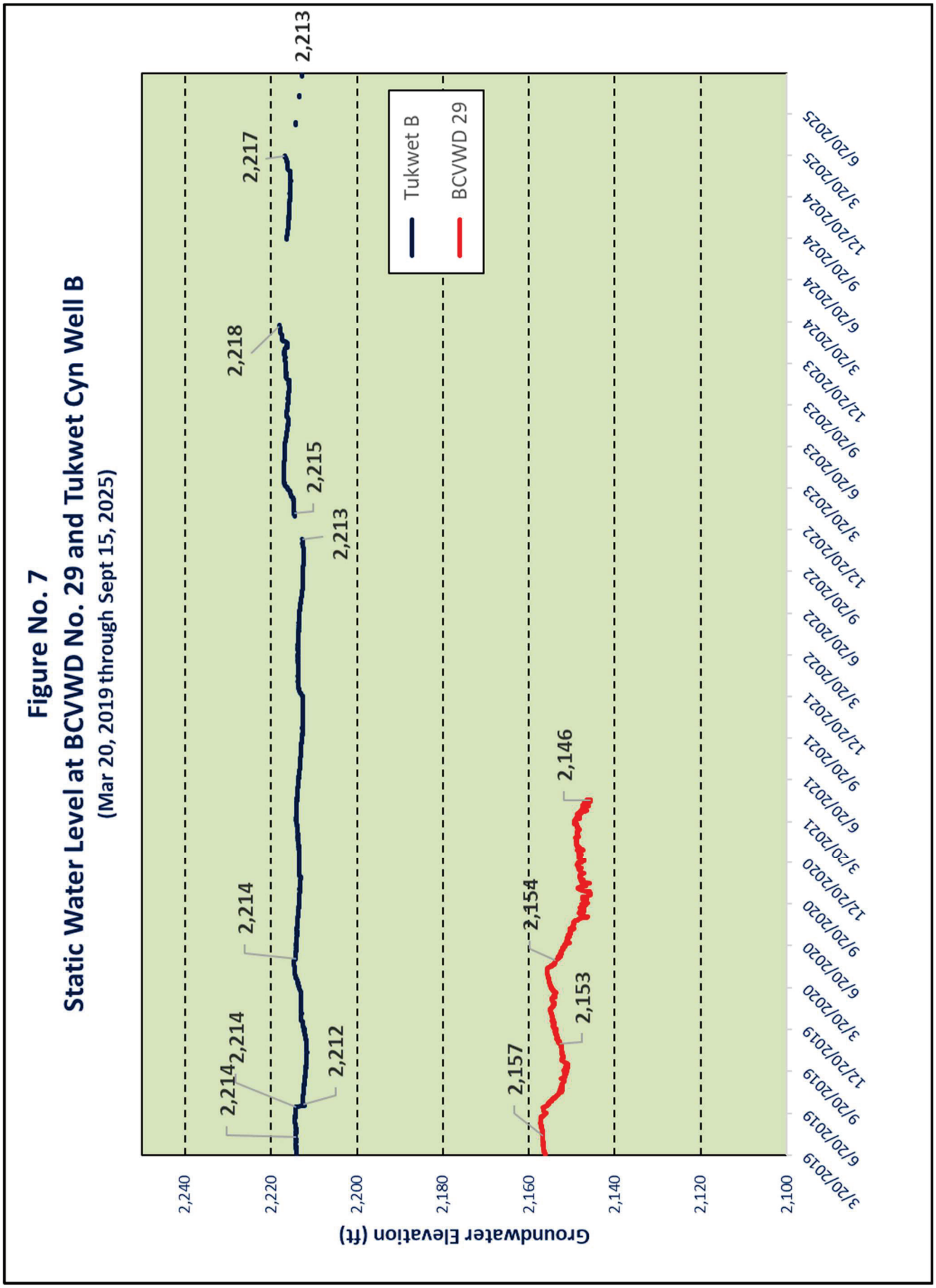
Figure No. 7
Static Water Level at BCVWD No. 29 and Tukwet Cyn Well B
(Mar 20, 2019 through Sept 15, 2025)
Tukwet B
BCVWD 29
Groundwater Elevation (ft)
2,240
2,220
2,200
2,180
2,160
2,140
2,120
2,100
2,213
2,217
2,218
2,215
2,213
2,214
2,214
2,214
2,212
2,157
2,154
2,153
2,146
3/20/2019
6/20/2019
9/20/2019
12/20/2019
3/20/2020
6/20/2020
9/20/2020
12/20/2020
3/20/2021
6/20/2021
9/20/2021
12/20/2021
3/20/2022
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9/20/2024
12/20/2024
3/20/2025
6/20/2025

BEAUMONT BASIN WATERMASTER

Date: October 1st, 2025

From: Hannibal Blandon, ALDA Inc.

Subject: A Comparison of Production Rights vs Production through August 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 August was 9,956 ac-ft while Appropriator's Production Rights for the same period were 16,549 ac-ft resulting in a positive storage balance of 6,593 ac-ft, as presented in the table below. Spreading of supplemental water for this period was 11,477 ac-ft, mostly 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 2,972 ac-ft for the reporting period.

	City of Banning	Beaumont Cherry Valley W.D.	South Mesa Mutual W.C.	Yucaipa Valley W.D. (1)	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	750	10,727	0	0	11,477
Appropriator's Production Right	2,194	12,680	573	1,102	16,549
Production (2)	1,752	7,331	145	728	9,956
Change in Storage Account	442	5,349	428	374	6,593
Storage Account Balance as of December 2024	49,176	38,068	10,888	19,009	117,141

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 – 137.31 ac-ft reported between Jan and Aug 2025.

BEAUMONT BASIN WATERMASTER

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

Office (951) 845-9581

beaumontbasinwatermaster.org

October 1, 2025

Beaumont Basin Watermaster Committee

Meeting Schedule

2025 Meeting Dates:	
Wednesday, December 3 at 11 a.m.	Regular Meeting
2026 Meeting Dates:	
Wednesday, February 4 at 11 a.m.	Regular Meeting
Wednesday, April 1 at 11 a.m.	Regular Meeting
Wednesday, June 3 at 11 a.m.	Regular Meeting
Wednesday, August 5 at 11 a.m.	Regular Meeting
Wednesday, October 7 at 11 a.m.	Regular Meeting
Wednesday, December 2 at 11 a.m.	Regular Meeting

The Watermaster Committee meets the first Wednesday of every even numbered month pursuant to BBWM Rule 2.2.

Agendas are posted 72 hours in advance of a regular meeting and 24 hours in advance of a special meeting, and are available at https://beaumontbasinwatermaster.org .

Members of the public may address the Watermaster Committee on any item within the Committee's jurisdiction; however no action may be taken on any item not appearing on the agenda, unless the action is otherwise authorized by Govt Code 54954.2(b).

Meetings are held at the administrative office of the Beaumont-Cherry Valley Water District at 560 Magnolia Avenue, Beaumont, CA 92223 unless otherwise noted on the agenda.

For information, please contact the Recording Secretary at (951) 845-9581.

Discussion Items

ITEM VII-A

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 25-27

Date:	October 1, 2025
From:	Thomas Harder, Thomas Harder & Co.
Subject:	Update on the Analysis of Losses in the Beaumont Basin
Recommendation:	For Information and Discussion

At the December 2024 Committee meeting, the Beaumont Basin Watermaster approved TH&Co's scope of work to analyze potential losses in the Beaumont Basin. The scope of work included the following tasks:

1. Quantify Subsurface Outflow Under Various Historical Periods
2. Coordinate with SGPWA to Develop Imported Water Forecasts for Analysis of Storage Losses
3. Model Pre-Processing
4. Analysis of Losses
5. Reporting

At the August Committee Meeting, TH&C provided an update on the analysis of basin losses with the groundwater flow model.

A further update will be presented at the October 1, 2025 meeting.

ITEM VII-B

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 25-28

Date:	October 1, 2025
From:	Steven Stuart, Dudek
Subject:	Update on Proposed Revisions to BBWM Rules and Regulations
Recommendation:	For Discussion Purposes Only

At the March 5 and June 11, 2025 special meetings, 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. In September, Dudek received comments from BCVWD and South Mesa. The comments table has been updated and is attached with this memorandum.

At this meeting, Mr. Stuart will open the floor for further discussion on any proposed revisions 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 of adoption by the Watermaster Committee.

Major comments to highlight:

Both BCVWD and South Mesa commented on the deletion in Section 5 of the application to recharge supplement or new yield water and requested that this language be reinserted in the R&R. The language was not deleted but moved to Section 6.0 regarding Groundwater Storage Agreements. It is more appropriate to detail the application process for storing supplemental water and new yield water in this section than have it broken up and be repetitive in separate sections.

Proposed schedule:

- December 3, 2025: Final revisions to Rules and Regulations for consideration for adoption by Watermaster Committee

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

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
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."	Addressed at 3/5/25 BBWM meeting. The definition of the Annualized Safe Yield shall be included in the Rules and Regulations.
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)?"	
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?"	
9/18/2025	BCVWD	1	1.0	In General	Comment: "Should Basin Management Activities be generally identified here?"	
2/24/2025	Joe Zoba	1	1.1 (b)	Definitions	Add ", or as amended in the future." to the last sentence.	
9/18/2025	BCVWD	1	1.1 (c)	Definitions	"Does this include recycled water?"	
9/18/2025	BCVWD	1	1.1 (d)	Definitions	"Should succesors in interest be included here?"	

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
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."	
9/18/2025	BCVWD	1	1.1 (f)	Definitions	"What about Salt Debts?"	
9/18/2025	BCVWD	1	1.1 (g)	Definitions	Add "or lost" to sentence, "A Storage Account is assessed annually and includes water gained *or lost* as a share of an Appropriator's Operating yield,..." Added section to accout for total balance.	
9/18/2025	BCVWD	1	1.1 (g)	Definitions	In last sentence, exchange the word "pumped" with "extracted"?	
9/18/2025	BCVWD	1	1.1 (h)	Definitions	1st Comment: "How are losses accounted for?" 2nd Comment: "minus any losses?" referring to the "recapture the same Stored Water".	
2/24/2025	Joe Zoba	2	1.1 (j)	Definitions	Added "Supplemental Water" throughout document where "Supplemental" is shown and referring to Supplemental Water.	
9/18/2025	BCVWD	1	1.1 (j)	Definitions	1st Comment: "May be interpreted as similar to New Yield Water, refine descriptions as necessary for clarity" referring to "'Supplemental Water' means water imported into the Beaumont Basin from outside the Beaumont Basin including, without limitation, water diverted from creeks upstream and tributary to Beaumont Basin and water which is recycled and useable within the Beaumont Basin." 2nd Comment: "Clarify waht this includes: recharge and/or recycled water, irrigation return flows"	
2/24/2025	Joe Zoba	2	1.1 (k)	Definitions	Add "*and alternate as provided in Section 2.14* " 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 *and alternate as provided in Section 2.14* who shall be an employee of or consultant to the nominating agency."	
9/18/2025	BCVWD	4	2.7	Investment of Funds	Add to final sentence, ", or as updated from time to time by Watermaster Resolution."	
9/18/2025	BCVWD	5	2.11 (a)	Assessments	Add "(Declaration and Adjustment of Rights)" to end of final sentence.	
9/18/2025	BCVWD	5	2.11 (c)	Assessments	Edit sentence to read, "This may be accomplished through the identification and implementation of Special Project Committees *and approved by the Watermaster* ." Italicised words are suggested additions to the sentence.	

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

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
9/18/2025	BCVWD	5	2.11 (d)	Assessments	Comment: "Consider identifying who on the Watermaster is responsible for issuing the invoice (position of responsible member (e.g., Treasurer or Board Secretary)."	
9/18/2025	BCVWD	6	2.11 (f)	Assessments	Comment: "Consider 'and Debts'" added to "Salt Credits".	
9/18/2025	BCVWD	6	2.13	Notice and Waiver of Notice	1st Comment: "Are both of these references intended to define parties nameed in the Judgement, if yes consider clarifying and possbily adding "or the Parties successor in interest." 2nd Comment: "Consider 'The Public'" to replace "any Person" in the final sentence of the paragraph.	
2/24/2025	Joe Zoba	7	2.14	Watermaster Alternates	Comment, "See VI.4 of the Judgement to include consultants."	
9/18/2025	BCVWD	7	2.14	Watermaster Alternates	With reference to the last sentence, "Consider if this should be modified to include language parallel to language set forth on page 12, lines 9-17. Consider if this should further refine that all alternates require court approval/appointment."	
9/18/2025	BCVWD	8	3.1 (a)	Measuring Devices	Under New Wells, Overlyer Wells, "Consider should this be expanded to define meter calibration and frequency of calibration responsibilities and coordination with overlyer operations?"	
9/18/2025	BCVWD	8	3.1 (b)	Measuring Devices	For meter maintenance, revise to read that meter maintenance is at the expense of each appropriator for their wells and collectivley/proportionatelly for overlyer (or other) wells.	
9/18/2025	BCVWD	9	3.3.1 (2)	Communication and Planning	Comment: "Consider if this should require written authorization only which must be memoralized in the Watermaster files."	
2/24/2025	Joe Zoba	13	3.3.5.3 (a)	Manual Groundwater Level Measurements	Add, "or equivalent" following "Alconox solution" in the text.	
9/19/2025	David Armstrong	18	4.0	Annualized Safe Yield	Recommend deleting, "The Annualized Safe Yield of the Beaumont Basin shall be redetermined annually by the Watermaster ~~based on an estimated annual change in storage, the estimated volume of natural recharge, and annual groundwater production from the Basin~~.	
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."	Discussed at 3/5/25 BBWM meeting and confirmed as a method to track water that has been obtained by an appropriator when an overlying party transfers water to an appropriator. No further discussion by Committee members.
9/18/2025	BCVWD	19	4.2.2	Temporary Surplus	Revise last sentence to read, "Column 5 of Exhibit C of the Judgement provides a breakdown of the annual Appropriator allocations of the *remaining unused Safe Yield as well as the* Temporary Surplus." Added language in italics.	

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
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."	Discussed at 3/5/25 BBWM meeting. Goal is to keep the appropriators out in front of this issue so it doesn't need to be triggered. No provision in Judgement when a storage account goes negative, and so whose water is being used when an appropriator goes negative in their storage account. The Judgement only includes a provision that when an appropriator extracts more than their appropriate water right then they pay a replenishment fee. Mr. Vela stated that this is an important topic that needs to be addressed in specific discussions and efforts to develop an equitable and comprehensive provision to address the issue of negative storage accounts. Request by Committee to address this issue before incorporating a new section in the R&R.
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"	
9/18/2025	BCVWD	21	5.1 (a)	Sources of Supplemental Water	Consider the following edit: "Maximum beneficial use of recycled water, ~~which shall be given a high priority by the Watermaster~~;"	
9/19/2025	David Armstrong	22	5.1 (a)	Sources of Supplemental Water	Comment: "Delete 'high priority'".	
2/24/2025	Joe Zoba	21	5.1 (d)	Sources of Supplemental Water	Replace "Metropolitan Water District" with "San Gorgonio Pass Water Agency"	
2/24/2025	Joe Zoba	22	5.2	Method of Replenishment of Supplemental Water	Comment reads, "Can this section by rewritten as a single paragraph instead of as an outline?"	

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
9/18/2025	BCVWD	22	5.2	Method of Replenishment of Supplemental Water	Revise sentence to read, "The Watermaster may accomplish replenishment by ~~any~~ reasonable method *approved by said Watermaster and that meets the Beaumont Basin groundwater objectives,* including:.. ." Added language in italics.	
9/19/2025	David Armstrong	22	5.2 (a)	Method of Replenishment of Supplemental Water	Add to end of sentence, "in accordance with the requirements of current Section 5.1."	
9/18/2025	BCVWD	22	5.3	New Yield	2nd part, comment: "define "locally" e.g., wihtin basin boundaries or within basin boundary vicinity or ?"	
9/18/2025	BCVWD	25	6.3	Contents of Application for Groundwater Storage Agreements	Comment: "Consider adding 'identification of potential impacts to existing Appropriator and/or Overlyer operations and existing and planned (e.g., Masterplanned) facilities." to list of contents in application.	
2/24/2025	Joe Zoba	27	6.8	Groundwater Storage Agreements	Insert "*, injection* " in the following sentence: "...and confirmation of the Watermaster's right to inspect the recharge*, injection* 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 *(Overlying-Appropriative Right)* 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, *if any, and Overlying-Appropriative Right will be reduced proportionally* ."	
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 *and Overlying-Appropriative Parties* comments are *reviewed* , 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 *redetermination of safe yield* technical report shall be *presented to the Overlying Parties and Overlying-Appropriative Parties* 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 *by the Overlying Party as an Overlying-Appropriative Right* , in addition to other rights otherwise allocated to the Appropriator Party."	

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
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.	
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	
9/18/2025	BCVWD	32	8.3	Groundwater Storage Agreement with San Gorgonio Pass Water Agency	Add to the first sentence, "The Watermaster accepted the Agency's Groundwater Storage Agreement application in February 2018 (Watermaster Resolution 2018-01, *or as amended in the future*)..." New language in italics.	
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 *new* 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 *board, which is 3 members* , 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 *against the Watermaster* , 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)."	

Date Comments Received	Commentator	Page	Section Number	Section Title	Comment	Response to Comment / Notes
2/24/2025	Jennifer Ares	22	5.3	New Yield	Do return flows constitute supplemental water and/or new yield?	Discussed at 3/5/25 BBWM meeting. Need to develop a methodology for calculating return flows and how we account for it over time. How should return flow be categorized - it's not supplemental water (dervied from outside the basin) nor is it new yield (project generated capture of water that increases the yield)? Return flows are incorporated in the numerical model and used to redetermine the safe yield, which is then allocated to the overliers. Need to investigate and potentially determine a methodology for allocating return flows to the appropriators.
3/5/2025	Jaggers	8	3.1	Measuring Devices		Meters - Section 3.1 of R&R; meter maintenance shall be maintained by the Watermaster - alternative language suggested would require the Watermaster to validate the calibration and accuracy of flow meters. 2-step approach: 1) rely on the watermaster members to maintain their measuring devices, and 2) develop a process to encourage member agencies to maintain and calibirate their measuirng devices.

ITEM VII-C

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 25-29

Date:	October 1, 2025
From:	Steven Stuart, Dudek
Subject:	Consideration to Retain Dudek to Evaluate and Develop a Policy to Account for Return Flows in the Beaumont Basin
Recommendation:	That the Watermaster Committee enter into agreement with Dudek to evaluate and develop a policy to account for return flows in the Beaumont Basin for a sum of $27,400 and send invoices to each Watermaster Committee member for 20% of the approved amount.

In 2022, Thomas Harder & Co. prepared a technical memorandum detailing the development of a methodology to calculate the volume of return flows that would be available for capture by the Appropriators. This proposal by Dudek is to review and update the analysis conducted by Thomas Harder & Co., to confirm the legality of an Appropriator staking a right to capture return flows, and propose a methodology to incorporate return flows into groundwater storage accounts.

At this meeting, the Watermaster Committee will be able to discuss the content of the proposal and consider awarding a contract to Dudek to evaluate and develop a policy to account for return flows in the Beaumont Basin.

VII-C Attachment 1

August 6, 2025

Dan Jaggers, General Manager
c/o Beaumont-Cherry Valley Water District
560 Magnolia Ave.
Beaumont, California 92223

Subject: Proposal to Develop a Policy to Account for Return Flows in the Beaumont Basin

Dear Dan Jaggers:

In 2018, the Beaumont Basin Watermaster Board (the Watermaster) directed the Alda/Thomas Harder & Co. team to develop a revised return flow methodology to consider parcel by parcel water delivery records, a more detailed accounting of indoor/outdoor water use, and account for differences in return flow lag time between the time of application and the arrival of the return flow at the groundwater. Thomas Harder & Co. prepared a technical memorandum in 2019 detailing the data used to inform a methodology to quantify return flows and how to account for ownership of the return flows. Subsequently, in 2022, Thomas Harder & Co. revised the 2019 technical memorandum to address the following issues raised by the Watermaster Committee:

1. Modify the indoor/outdoor water use for the City of Banning and Yucaipa Valley Water District,
2. Further evaluate landscape irrigation efficiency,
3. Incorporate commercial water deliveries as an additional water delivery account type,
4. Include pipeline losses and infiltration and inflow in quantifying return flows, and
5. Evaluate potential changes in concentrations of total dissolved solids in groundwater in response to return flows.

The 2022 technical memorandum prepared by Thomas Harder & Co. estimated the travel time for water used for irrigation purposes and other outdoor uses to reach the water table to range between 3 to 44 years depending on the depth-to-water in the Basin and an estimated infiltration rate of 15 feet/year. The incorporation of travel time for water to reach the water table factors into quantifying the volume of return flow that is avaialble for capture by the applicable Appropriator that can claim ownership of the return flow.

Scope of Work The proposed scope of work is to review the 2022 technical memorandum prepared by Thomas Harder & Co. and update the return flow analysis with data collected since 2019. This review will also investigate the definition and estimate of irrigation efficiency as an indicator of the amount of applied water that recharges groundwater. Dudek will also research whether there is legal precedent for claiming ownership of return flows by water purveyors that sell water and will evaluate the location of return flows relative to the capture of return flows by municipal water supply wells.

Task 1. Review and Update Return Flow Accounting Methodology Memorandum

Dudek will review the *Updated Return Flow Accounting Methodology for the Beaumont Basin Adjudicated Area* technical memorandum prepared by Thomas Harder & Co. in April 2022 and continue the analysis of return flows by updating the volume of water delivered to the customer bases for BCVWD, City of Banning, YVWD, and South Mesa Water Company and the volume of water treated by the City of Beaumont, City of Banning, and YVWD since 2019. Dudek will review the use of irrigation efficiecy to estimate the volume of water used and/or applied that will recharge groundwater, and the estimate of the infiltration rate that dictates the arrival time of return flows to groundwater. Dudek will also explore other methodologies for estimating the infiltration rate of water applied at or near surface to groundwater (e.g., chemical markers) to evaluate the estimate of 15 feet/year in the Beaumont Basin.

Fee for Task 1.....$8,520

Task 2. Incorporate Return Flow into Groundwater Storage Account. Dudek will review and confirm that there is legal precendent in the state of California that water purveyors supplying water to customers may rightfully stake a claim to return flows. Subsequently, Dudek will utilize the confirmed or revised estimate of return flows following the completion of Task 1 to quantify the volume of return flow available for capture by the applicable Appropriator. The distribution of the estimated quantity of return flow available for capture will be based on the area of origin and the estimated depth-to-water, which will dictate the time between when the water is applied and available for capture. Thomas Harder & Co. estimated a range of arrival times from 3 to 44 years. Estimates of the arrival times for return flows will be recalculated every year in the winter/spring when the highest groundwater elevations are observed. An estimate of the lateral spreading of infiltrating return flows will be based on the hydraulic mounding observed near the existing spreading basins, which will factor into the estimation of capture by wells owned by the Appropriators staking claim to the return flows. Dudek will also investigate how to account for return flows not captured by Appropriator wells. The capture and reuse of return flows will constitute a new groundwater storage account category that will be tracked separately from the other sources of water.

Fee for Task 2.....$11,640

Task 3. Technical Memorandum. Dudek will prepare a draft technical memorandum providing a review of the Thomas Harder & Co. technical memorandum on return flow accounting methodology, including the incorporation of additional data since 2019 to help inform the estimates of the quantity of return flows to the Beaumont Basin. The technical memorandum will include a review and confirmation of the legal precedent for Appropriators to stake a claim to return flows, and a proposed methodology for calculating the annual volume of return flow avaialbe for capture by the Appropriators on a per year basis.

Fee for Task 3.....$7,240

Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek's 2025 Standard Schedule of Charges. The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the proposed fee or outside of the proposed scope of work will be performed without written authorization from the Watermaster.

TOTAL FEE $27,400.00

Per agreement between the Watermaster Committee members, the total fee will be distributed equally between Committee members for 20%, or $5,480.00 each, of the total fee. Dudek appreciates the opportunity to present this proposal to review, update, and expand on the methodology for calculating the volume of return flow available for capture by the applicable Appropriator. We look forward to continuing our working relationship with the Watermaster.

If you have any questions regarding this proposal, please call me at 760-415-9079 or email me at sstuart@dudek.com.

Sincerely,

Steven Stuart, PE
Principal Hydrogeologist /Project Manager

Att.: *Table 1. Fee to Evaluate and Develop Policy to Account for Return Flows in the Beaumont Basin*
Dudek 2025 Standard Schedule of Charges

Table 1. Evaluate and Develop Policy to Account for Return Flows in the Beaumont Basin

Beaumont Basin Watermaster

DUDEK FEE SCHEDULE

	Project Team Role:	Principal Hydrogeologist II/ Project Manager	HydrogeologistII				
	Team Member:	Steven Stuart, PE	Samira Ismaili				
	Billable Rate :	$320	$195	TOTAL HOURS	DUDEK LABOR COST	OTHER DIRECT COSTS[1]	TOTAL FEE
Task #	TASK						
1.0	Review and Update Return Flow Accounting Methodology Memorandum	12	24	36	$ 8,520.00	$ -	$ 8,520
2.0	Incorporate Return Flow into Groundwater Storage Account	12	40	52	$ 11,640.00	$ -	$ 11,640
3.0	Technical Memorandum	8	24	32	$ 7,240.00	$ -	$ 7,240
	Total Hours and Fee	**32**	**88**	**120**	**$27,400.00**	**$ -**	**$ 27,400.00**

DUDEK 2025 Standard Schedule of Charges

Engineering Services

Project Director	$355.00/hr
Principal Engineer III	$330.00/hr
Principal Engineer II	$315.00/hr
Principal Engineer I	$300.00/hr
Program Manager	$290.00/hr
Senior Project Manager	$290.00/hr
Project Manager	$275.00/hr
Senior Engineer III	$270.00/hr
Senior Engineer II	$260.00/hr
Senior Engineer I	$255.00/hr
Project Engineer IV/Technician IV	$245.00/hr
Project Engineer III/Technician III	$235.00/hr
Project Engineer II/Technician II	$220.00/hr
Project Engineer I/Technician I	$200.00/hr
3D Production Manager	$235.00/hr
Senior Designer II	$220.00/hr
Senior Designer I	$215.00/hr
Designer	$210.00/hr
Assistant Designer	$205.00/hr
CADD Operator III	$200.00/hr
CADD Operator II	$190.00/hr
CADD Operator I	$175.00/hr
CADD Drafter	$160.00/hr
CADD Technician	$145.00/hr
Project Coordinator	$170.00/hr
Engineering Assistant	$145.00/hr

Environmental Services

Senior Project Director	$350.00/hr
Project Director	$300.00/hr
Senior Specialist V	$275.00/hr
Senior Specialist IV	$265.00/hr
Senior Specialist III	$250.00/hr
Senior Specialist II	$235.00/hr
Senior Specialist I	$220.00/hr
Specialist V	$210.00/hr
Specialist IV	$195.00/hr
Specialist III	$185.00/hr
Specialist II	$175.00/hr
Specialist I	$165.00/hr
Analyst V	$155.00/hr
Analyst IV	$145.00/hr
Analyst III	$135.00/hr
Analyst II	$125.00/hr
Analyst I	$105.00/hr
Technician IV	$100.00/hr
Technician III	$90.00/hr
Technician II	$80.00/hr
Technician I	$70.00/hr
Project Coordinator II	$170.00/hr
Project Coordinator I	$135.00/hr

Mapping and Surveying Services

UAS Pilot	$165.00/hr
Survey Lead	$260.00/hr
Survey Manager	$220.00/hr
Survey Crew Chief	$185.00/hr
Survey Rod Person	$145.00/hr
Survey Mapping Technician	$135.00/hr

Construction Management Services

Principal Manager	$215.00/hr
Senior Construction Manager	$195.00/hr
Senior Project Manager	$190.00/hr
Construction Manager	$185.00/hr
Project Manager/Construction Management	$175.00/hr
Resident Engineer	$175.00/hr
Construction Engineer	$175.00/hr
On-site Owner's Representative	$160.00/hr
Prevailing Wage Inspector	$160.00/hr
Construction Inspector	$150.00/hr
Administrator/Labor Compliance	$125.00/hr

Hydrogeology/HazWaste Services

Project Director	$345.00/hr
Principal Hydrogeologist/Engineer III	$320.00/hr
Principal Hydrogeologist/Engineer II	$310.00/hr
Principal Hydrogeologist/Engineer I	$300.00/hr
Senior Hydrogeologist V/Engineer V	$275.00/hr
Senior Hydrogeologist IV/Engineer IV	$265.00/hr
Senior Hydrogeologist III/Engineer III	$255.00/hr
Senior Hydrogeologist II/Engineer II	$245.00/hr
Senior Hydrogeologist I/Engineer I	$235.00/hr
Project Hydrogeologist V/Engineer V	$225.00/hr
Project Hydrogeologist IV/Engineer IV	$215.00/hr
Project Hydrogeologist III/Engineer III	$205.00/hr
Project Hydrogeologist II/Engineer II	$195.00/hr
Project Hydrogeologist I/Engineer I	$185.00/hr
Hydrogeologist/Engineering Assistant	$150.00/hr
HazMat Field Technician	$135.00/hr

District Management & Operations

District General Manager	$225.00/hr
District Engineer	$215.00/hr
Operations Manager	$165.00/hr
District Secretary/Accountant	$150.00/hr
Collections System Manager	$150.00/hr
Grade V Operator	$140.00/hr
Grade IV Operator	$125.00/hr
Grade III Operator	$115.00/hr
Grade II Operator	$95.00/hr
Grade I Operator	$90.00/hr
Operator in Training	$80.00/hr
Collection Maintenance Worker	$85.00/hr

Project Delivery Services

Technology Specialist II	$245.00/hr
Technology Specialist I	$190.00/hr
GIS Analyst V	$220.00/hr
GIS Analyst IV	$200.00/hr
GIS Analyst III	$165.00/hr
GIS Analyst II	$145.00/hr
GIS Analyst I	$130.00/hr
Creative Services IV	$185.00/hr
Creative Services III	$160.00/hr
Creative Services II	$145.00/hr
Creative Services I	$130.00/hr
Technical Editor IV	$185.00/hr
Technical Editor III	$160.00/hr
Technical Editor II	$145.00/hr
Technical Editor I	$130.00/hr
Publications Specialist IV	$135.00/hr
Publications Specialist III	$125.00/hr
Publications Specialist II	$115.00/hr
Publications Specialist I	$105.00/hr
Clerical Administration	$100.00/hr

Expert Witness – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

Emergency and Holidays – Minimum charge of two hours will be billed at 1.75 times the normal rate.

Material and Outside Services – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

Travel Expenses – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost

Invoices, Late Charges – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay interest at a 10% annual rate for amounts unpaid greater than 30 days after the date of the invoice.

Annual Increases – Unless identified otherwise, these standard rates will increase in line with the CPI-U for the nearest urban area per the Department of Labor Statistics to where the work is being completed) or by 3% annually, whichever is higher.

Prevailing Wage – The rates listed above assume prevailing wage rates do not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.

ITEM VII-E

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 25-30

Date:	October 1, 2025
From:	Daniel K. Jaggers, Secretary
Subject:	Discussion of Beaumont Basin Watermaster Responsibilities, Powers, and Duties regarding Basin Oversight related to proposed recycled water recharge projects and Yucaipa Valley Water District and the City of Beaumont
Recommendation:	That the Watermaster Committee formally request Yucaipa Valley Water District submit an application for groundwater recharge utilizing recycled water in accordance BBWM Rules and Regulations, Section 5 Recharge

At two previous Watermaster Committee meetings, a discussion of the Yucaipa Valley Water District (YVWD) Aquifer Storage and Recovery (ASR) project was requested and added to the Topics for Future Meetings. With the advancement of the project by the YVWD Board of Directors, the time seems ripe for the BBWM to discuss the project along with its Basin oversight responsibilities and the recharge of water into the Beaumont Basin.

Since the August 6, 2025 meeting, it has come to the attention of the Watermaster that the YVWD Board of Directors adopted *Resolution 2025-60 Supporting the YVWD Water Purification and Storage Project Referred to as Crystal Vault* at its meeting of August 19, 2025. In addition, the YVWD Board adopted Resolution 2025-62, Declaring Its Official Intent to Reimburse Project Expenditures with Bond Proceeds and Related Actions for the Calimesa and Yucaipa Crystal Vault Projects.

With these actions, YVWD has instituted a project involving recharge of recycled water into the Beaumont Basin, which falls under the purview of the Beaumont Basin Watermaster. The BBWM has not so far received an application from YVWD regarding this project.

The original YVWD application for a Groundwater Storage Account does not cover recharge, and the BBWM Secretary recommends discussion and direction.