

Notice and Agenda **Regular Meeting of the** **Beaumont Basin Watermaster**

Wednesday, February 1, 2023 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	

COVID-19 NOTICE

This meeting of the Watermaster Committee is open to the public who would like to attend in person. COVID-19 safety guidelines are in effect pursuant to the Cal/OSHA COVID-19 Prevention Emergency Temporary Standards and the California Department of Public Health Recommendations

- **Face coverings are recommended for all persons and should be properly worn over the nose and mouth at all times**
- **Maintain 6 feet of physical distancing from others in the building who are not in your party**

Online Meeting Participation Link:

<https://us02web.zoom.us/j/81638720446?pwd=UnNZcC9TbGZzTGZuMHdhVkRMblczQT09>

Telephone: (669) 900-9128 / Meeting ID: 816-3872-0446 / Passcode: 636756

One-Tap Mobile: +16699009128,,81638720446#,,,*636756#

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

Meeting materials are available on the Watermaster website:

<https://beaumontbasinwatermaster.org/>

BEAUMONT BASIN WATERMASTER COMMITTEE – FEBRUARY 1, 2023

I. Call to Order

II. Roll Call

Committee Member Agency	Primary Representative	Alternate
City of Banning	Arturo Vela, Chair	VACANT
City of Beaumont	Jeff Hart	Robert Vestal
Beaumont-Cherry Valley Water District	Daniel Jagers	Mark Swanson
South Mesa Water Company	Dave Armstrong	VACANT
Yucaipa Valley Water District	Joseph Zoba	Jennifer Ares

III. Pledge of Allegiance

- IV. Public Comments** At this time, members of the public may address the Beaumont Basin Watermaster on matters within its jurisdiction; however, no action or discussion may take place on any item not on the agenda. To provide comments on specific agenda items, please complete a Request to Speak form and provide that form to the Secretary prior to the commencement of the meeting, or, RAISE HAND electronically or Press *9 when prompted for public comment.

ACTION ITEMS

Action may be taken on any item on the agenda.

V. Consent Calendar

- A. Meeting Minutes
 - a. December 7, 2022 Regular Meeting [\[Page 6\]](#)
- B. Status Report on Water Level Monitoring throughout the Beaumont Basin through January 16, 2023 [\[Page 12\]](#)
- C. A Comparison of Production versus Extraction Credits for Calendar Year 2022 [\[Page 23\]](#)

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 – Steve Stuart, Dudek
- D. Report from Legal Counsel - Thierry Montoya/Keith McCullough, Alvarado Smith

VII. Discussion Items

- A. Reorganization of the Beaumont Basin Watermaster Committee - Chair, Vice Chair, Secretary and Treasurer [\[Memorandum No. 23-01, Page 25\]](#)
Recommendation: Either reaffirm the existing officers or conduct nominations for the appointment of new officers of the Beaumont Basin Watermaster
- B. Financial Status Report [\[Memorandum No. 23-02, Page 26\]](#)
Recommendation: Presentation only. No action required
- C. Independent Accountant's Financial Report of Agreed-Upon Procedures for the Beaumont Basin Watermaster [\[Memorandum No. 23-03, Page 29\]](#)
Recommendation: Receive and file the Independent Accountant's Financial Report for the period ending June 30, 2022
- D. Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network [\[Memorandum No. 23-04, Page 36\]](#)
Recommendation: Consider issuing a request for proposals for the services of a licensed land surveyor to survey the locations and elevations of points of interest at wells associated with monitoring conditions in the Beaumont Basin
- E. Development of Data Management System [\[Memorandum No. 23-05, Page 37\]](#)
Recommendation: Consider authorizing Dudek to prepare a proposal to develop a GIS-based Data Management System for the Beaumont Basin

VIII. Topics for Future Meetings

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

IX. Comments from the Watermaster Committee Members

X. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, April 5, 2023, at 11:00 a.m.

B. Future Meeting Dates:

- June 7, 2023 at 11:00 a.m.
- August 2, 2023 at 11:00 a.m.
- October 4, 2023 at 11:00 a.m.
- December 6, 2023 at 11:00 a.m.

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.org or in writing to the Beaumont Basin Watermaster Committee, c/o Beaumont-Cherry Valley Water District, 560 Magnolia Avenue, Beaumont, California 92223.

CERTIFICATION OF POSTING

A copy of the foregoing notice was posted near the regular meeting place of the Beaumont Basin Watermaster Committee and to its website at least 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, December 7, 2022**

Meeting Location:

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

I. Call to Order

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

II. Roll Call

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

Hannibal Blandon and Thomas Harder were present as engineers for the BBWM.

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

Jennifer Ares, Yucaipa Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Nyles O'Harra, Yucaipa Valley Water District
Mike Kostelecky, Yucaipa Valley Water District
Lance Eckhart, San Geronio Pass Water Agency
Emmett Campbell, San Geronio Pass Water Agency
Ron Duncan, San Geronio Pass Water Agency
Larry Smith, San Geronio Pass Water Agency
Thaxton Van Belle, City of Beaumont
Mark Swanson, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District
Cenica Smith, Beaumont-Cherry Valley Water District
Derek Hoffman

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Resolution 2022-08: Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same
- B. Meeting Minutes
 - a. October 5, 2022 Regular Meeting
- C. Status Report on Water Level Monitoring throughout the Beaumont Basin through November 15, 2022
- D. A Comparison of Production versus Extraction Credits through October 2022

It was moved and seconded to approve the Consent Calendar.

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

VI. Reports

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

Mr. Blandon reported that wells were elevated by means of Google Earth so there are discrepancies in elevations. He recommended engaging a surveyor.

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

No report.

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

Mr. Stuart recalled that upon engagement of Dudek in August, Chair Vela recommended production of a summary and development a framework for addressing the list of issues. He said he hopes to have a draft ready by the end of the year. Conversations are beginning regarding how to address Basin storage, water levels, and other concerns of the BBWM. He said he regards this as a working document to help tackle the issues in 2023.

D. Report from Legal Counsel – Thierry Montoya, Alvarado Smith

Mr. Montoya noted that the agreement between the BBWM and Mr. Harder's firm has been fully executed. He said he spoke with the counsel for South Mesa Water District regarding amending the member alternate status.

He said he also spoke to Yucaipa Valley Water District counsel Greg Newmark regarding how YVWD can confirm any additional water transfers between Oak Valley Partnership to YVWD through the Form 5 process confirming water service to their parcels in addition to the 180.03 acre-feet that were previously granted.

He commented on the Rules and Regulations of the Beaumont Basin Watermaster as provided by Mr. Stuart and recommended a chronological listing of all amendments on the cover sheet.

VII. Discussion Items

A. Consideration Resolution 2022-09: To Amend Section 3 of the Rules and Regulations of the Watermaster adding Groundwater Level Measuring and Reporting Procedures

Recommendation: Adopt Resolution 2022-09

Mr. Stuart reported that no comments on the draft document had been received. He presented the document for consideration as an amendment to the Rules and Regulations under Section 3.

Mr. Stuart and Counsel Montoya clarified that despite the redline in other sections of the Rules and Regulations document in the meeting agenda packet, the only Section for amendment today is Section 3.0 adding 3.3 Groundwater Level Measuring and Reporting Procedures.

Mr. Jagers indicated he was supportive of the changes but recommended reviewing all previous resolutions making amendments. He noted that the redline Section 7 seems to be a working copy.

It was moved by Member Hart and seconded by Member Armstrong to adopt Resolution 2022-09: To Amend Section 3 of

the Rules and Regulations of the Watermaster adding Section 3.3 Groundwater Level Measuring and Reporting Procedures.

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

B. Letter of Support for Beaumont-Cherry Valley Water District's Urban Community Drought Grant Application

Recommendation: Approve the Letter of Support

Member Jagers explained the BCVWD well replacement project and the pursuit of grant funding. He requested the support of the BBWM and presented the draft letter for consideration.

Chair Vela invited public comment. There was none.

It was moved by Member Vela and seconded by Member Jagers to approve the Letter of Support for Beaumont-Cherry Valley Water District's Urban Community Drought Grant Application.

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

C. Meeting Teleconferencing Procedures

Recommendation: Direct staff as desired

Member Jagers explained the changes in law related to remote meeting attendance and the Governor's plan to rescind the State declaration of emergency at the end of February, 2023. AB 2449 allows continued remote participation, he said, and provided details on available options.

Members Zoba noted that each member of the Committee has alternate members assigned, and although AB 2249 may be helpful, it is not necessarily imperative. He recommended reverting to the regular Brown Act methodology. Mr. Montoya indicated that if AB 2449 procedures were to be followed the Committee would need to adopt a resolution.

Chair Vela invited public comment. There was none.

It was moved by Member Zoba and seconded by Member Jaggars to return to original Brown Act procedures for meeting attendance in person while continuing to offer remote broadcast abilities.

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

D. Task Order No. 2 for Groundwater Level Monitoring Services in 2023

Recommendation: Approve Task Order No. 2 for a sum not to exceed \$28,370

Mr. Thomas Harder described historic groundwater monitoring activities by ALDA Inc. The proposal is to continue that work, which has been beneficial in monitoring the health of the basin and for the groundwater modeling to be done in 2023. He detailed the tasks included. The total cost is for calendar year 2023, he advised.

Member Zoba recommended future discussion on setting up a database to make the information available in real time online. Mr. Harder stated he has begun conversations about this and a regional database with Mr. Stuart.

In response to Member Zoba, Mr. Harder advised that that even if automated, this activity would not go away completely. Ideally, the information would be obtainable remotely, but staff still makes site visits to download information. Mr. Blandon concurred.

Chair Vela invited public comment. There was none.

It was moved by Member Zoba and seconded by Member Jaggars to approve Task Order No. 2 for Groundwater Level Monitoring Services in 2023 for a sum not to exceed \$28,370 and instruct the Treasurer to invoice the BBWM Committee members.

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

VIII. Topics for Future Meetings

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

IX. Comments from the Watermaster Committee Members

Chair Vela advised that he will submit documents to Mr. Montoya for appointment of Nate Smith as alternate for the City of Banning.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for February 1, 2023 at 11:00 a.m.
- b. Future Meeting Dates:
 - i. April 5, 2023 at 11:00 a.m.
 - ii. June 7, 2023 at 11:00 a.m.
 - iii. August 2, 2023 at 11:00 a.m.
 - iv. October 4, 2023 at 11:00 a.m.
 - v. December 6, 2023 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:36 a.m.

Attest:

Daniel Jaggers, Secretary
Beaumont Basin Watermaster

BEAUMONT BASIN WATERMASTER

Date: February 1st, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin through Jan 16, 2023

Recommendation: Presentation - No recommendation.

At the present time, there are 15 monitoring wells equipped with pressure transducers collecting water level information on an hourly basis at various locations throughout the basin. Since the last report, the new pressure transducers installed in early Fall 2022 are working well. In addition, there are two monitoring probes collecting barometric pressures at opposite ends of the Beaumont Basin. The location of active monitoring wells is depicted in the attached Figure No. 1. The location of two potential monitoring wells currently being considered are identified in red in this figure.

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. Through the summer of 2019 water levels at these two wells have been fairly steady; however, over the last three years a significant decline has been observed. A 18-foot decline has been recorded at YVWD 34 over this three-year period. 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 has not been pumped since the fall of 2019. Oak Valley 5 is no longer being monitored, as of the Summer of 2020, as it has been destroyed.
- ✓ 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 has declined 95 feet to the current elevation of 2,336 ft. In the deeper aquifer, the increase in water level was steady from the summer of 2016 through the spring of 2020 reaching a peak elevation of 2,302 ft.; a decline of 43 feet has been recorded since to the current elevation of 2,259 ft with over half of the decline taking place over the last ten months. It should be noted that the ground elevation for these two wells obtained from Google Earth has changed. The initial elevation of 2,741 ft has changed to 2,746 ft. While the actual elevation may be close to these values, it is recommended that all monitoring wells be surveyed to use the same and consistent datum.
- ✓ 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 at this well has fluctuated over a 20-foot band. During the March and May 2022 visits, the water level probe and communications cable did not work and the collected information could not be extracted. During our July visit, it was determined that the site had been vandalized as both the communications cable and probe were removed. New water level monitoring equipment was installed at the beginning of October at this well and the site has been secured to minimize future vandalism. Current groundwater elevation at this well is 2,513 ft.

- ✓ Also depicted in Figure No. 4 is the water level at the Sun Lakes well site. Water level at this site has fluctuated minimally between 2015 and the end of 2021, when it began to drop. Between November 2021 and May, 2022, the water level dropped by eight feet to 2,405 ft. However, it has recovered to 2,411 ft in the last eight months. Water level information could not be collected between late May and early October 2022 due to equipment malfunction. A new communications cable and recording probe were installed in early October at this location.
- ✓ Figure No. 5 illustrates water levels at three wells owned by the City of Banning in the Southeast portion of the basin. While water level at the Old Well No. 15 (Chevron Well) has been fairly flat over the last six years, a somewhat significant and steady decline, close to 39 feet, has been recorded at Banning M-8 between the summer of 2015 and the present to its current elevation of 2,040 ft. Water level at Banning M-9 has fluctuated in a 19-foot range, between 2,128 ft and 2,147 ft. Current water level elevation is at 2,133 ft. in the lower part of the range. While the water level probe has been collecting data hourly at this well, over the last year, two communications cables have been replaced due to the failure of the water seal at the bottom of the cable. A new replacement cable was installed during our November visit and it is working as intended.
- ✓ 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 15 ft range between 2,200 ft and 2,215 ft in elevation; however, this past summer it has declined more than normal to the summer low elevation of 2,195 ft. Current elevation is 2,200 ft. At BCVWD No. 2, water levels prior to 2017 were discarded due to their inconsistency as variations of 50 ft or more were recorded from one day to the next without a plausible explanation. Since 2017, water levels have ranged between 2,190 ft and 2,216 ft with a current elevation at this well of 2,200 ft.
- ✓ 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 that is now more actively used to meet peak summer demands. A decline in water level of nine feet has been recorded at this well since monitoring began in the spring of 2019. During the May 2021 visit, the communications cable could not be pulled and information from the water level probe could not be downloaded as reported in the June and August meetings. 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 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. Current water level elevation is at 2,213 ft representing a decline of two feet since monitoring began. However, it should be noted that the water level at this well dropped 1.4 ft within one hour on November 29, 2022 without an apparent reason. A review of seismic activity in Southern California was conducted to determine if the sudden change in level was due to an earthquake. The information reviewed indicates that there was a 1.7 magnitude earthquake on the day before near Rancho Cucamonga and a 1.9 magnitude earthquake two days later near Miraloma. No seismic events were recorded on November 29 that could have explained the reason for the change. The water level has recovered to the current elevation of 2,213 ft.

New Monitoring Wells

No additional monitoring wells were added during this reporting period.

Equipment Installation and Replacement

No new equipment was installed at any of the monitoring locations since the previous visit.

Troubleshooting Issues

The following malfunctioning issues were encountered during our field visit.

1.- Water level information at Banning M-8 could not be retrieved during our November visit as both the communications cable and probe were not working. A new water level probe was installed during that visit. During our most recent visit, water level information could not be retrieved from the probe due to communications issues. While water levels continue to be recorded hourly, a new communications cable need to be installed.

2.- A new communications cable and water level monitoring probe needs to be ordered for the Mountain View monitoring well. This well was selected earlier in the year after Bonita Vista No. 2 collapsed and could no longer be used as a monitoring well. While this is not an optimal location due to the presence of a production well nearby, the data acquired could be cleaned and used to establish static conditions. A 150-ft communications cable is recommended for this site.

Potential Monitoring Sites

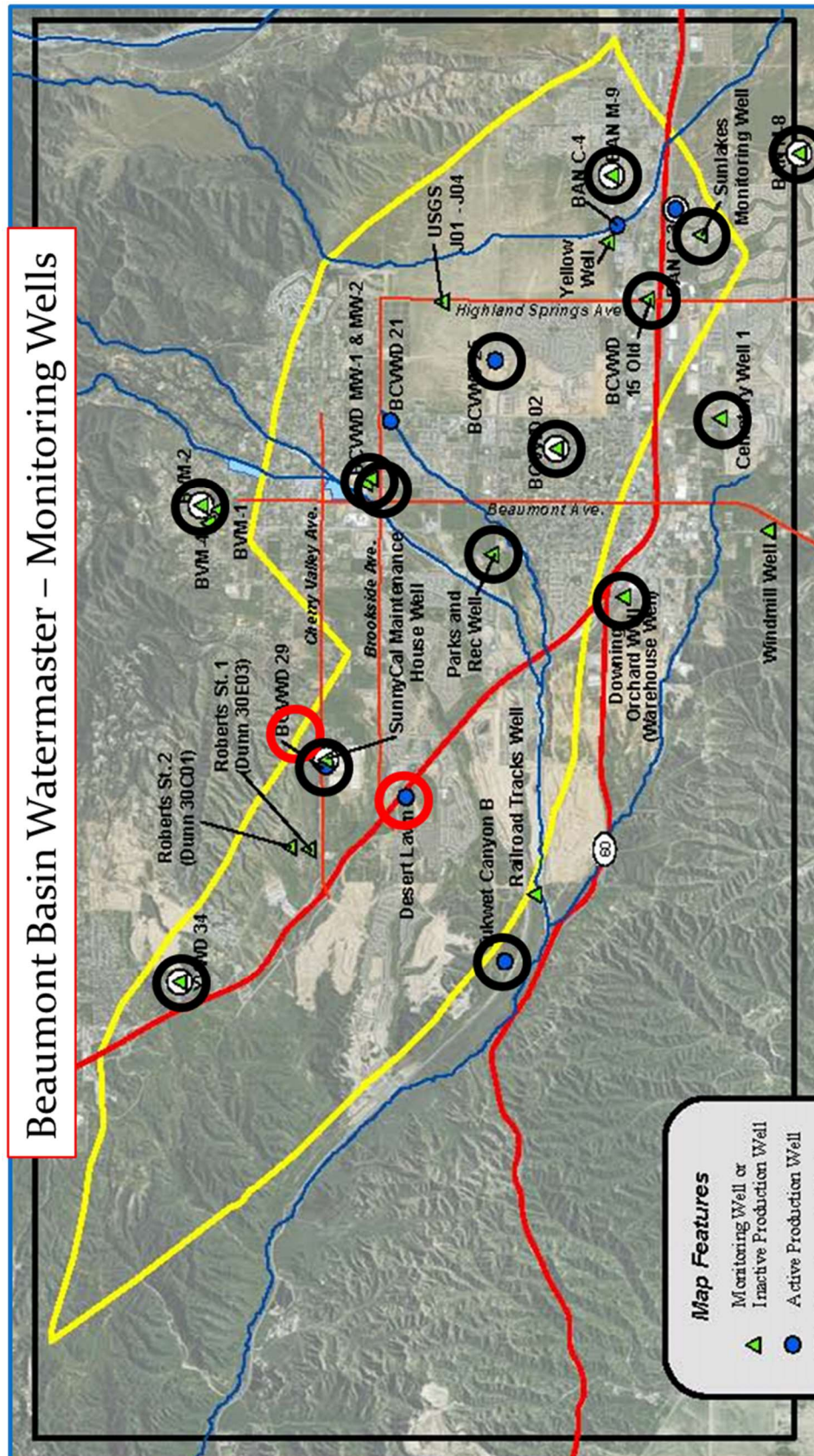
Two production wells have been identified as potential monitoring wells recently. The owners have been contacted and the sites visited. The first well is owned by the Beaumont-Cherry Valley Recreation and Park District. The well is located on the north side of Cherry Valley Blvd and has been recently 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.

Other potential well sites include:

- ✓ Catholic Dioceses of San Bernardino-Riverside counties, near Rancho Calimesa Mobile Home Park has three abandoned wells. Two of these wells cannot be used at this time because the probe could not be lowered; however, the third site could be used; however, it is not secured and could be subject to vandalism. For this reason, this well is not being considered as potential monitoring location.
- ✓ Sharondale Well No. 1 – This well is operated by Clearwater Operations. We initiated contact with this company to install a water level probe at this well, but progress has not been made.

Beaumont Basin Watermaster – Monitoring Wells



Wells with Working Monitoring Probes

Bonita Vista No. 3	Tukwet Well B	BCVWD No. 2
Noble Creek Ponds 4 Deep	Summit Cemetery No. 1	BCVWD No. 25
Noble Creek Ponds 4 Shallow	Sun Lakes Golf Course	BCVWD No. 29
Noble Creek Park	Banning M-8	YVWD No. 34
BCVWD Old 15 (Banning)	Banning M-9	Icon Warehouse

Potential Monitoring Wells

Beaumont Parks and Rec.
Plantation on the Lake

Figure No. 2
Static Groundwater Elevations at YVWD No. 34 and Oak Valley No. 5
 (July 29, 2015 through Jan 16, 2023)

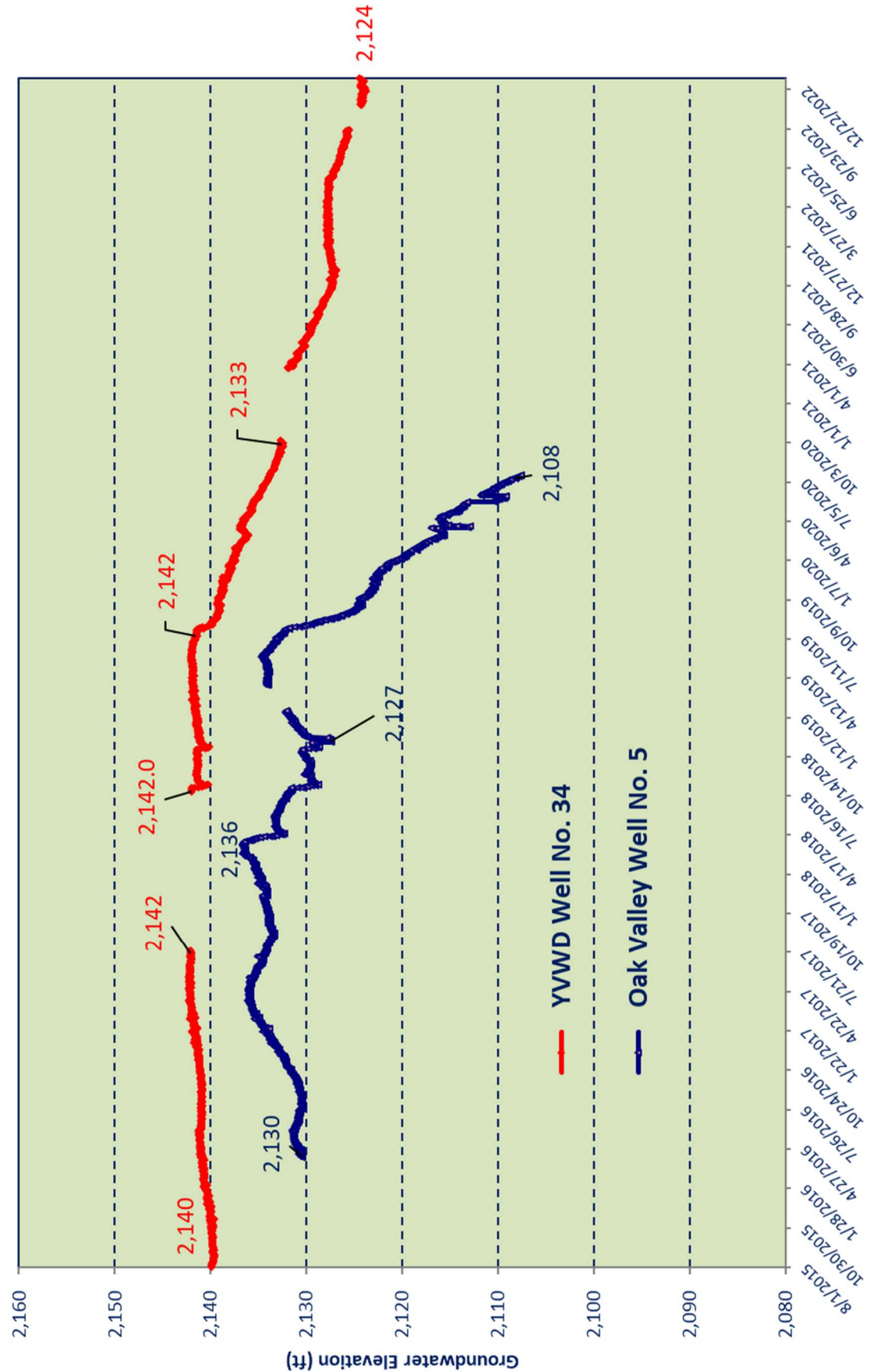


Figure No. 3
Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D
 (May 28, 2015 through Jan 16, 2023)

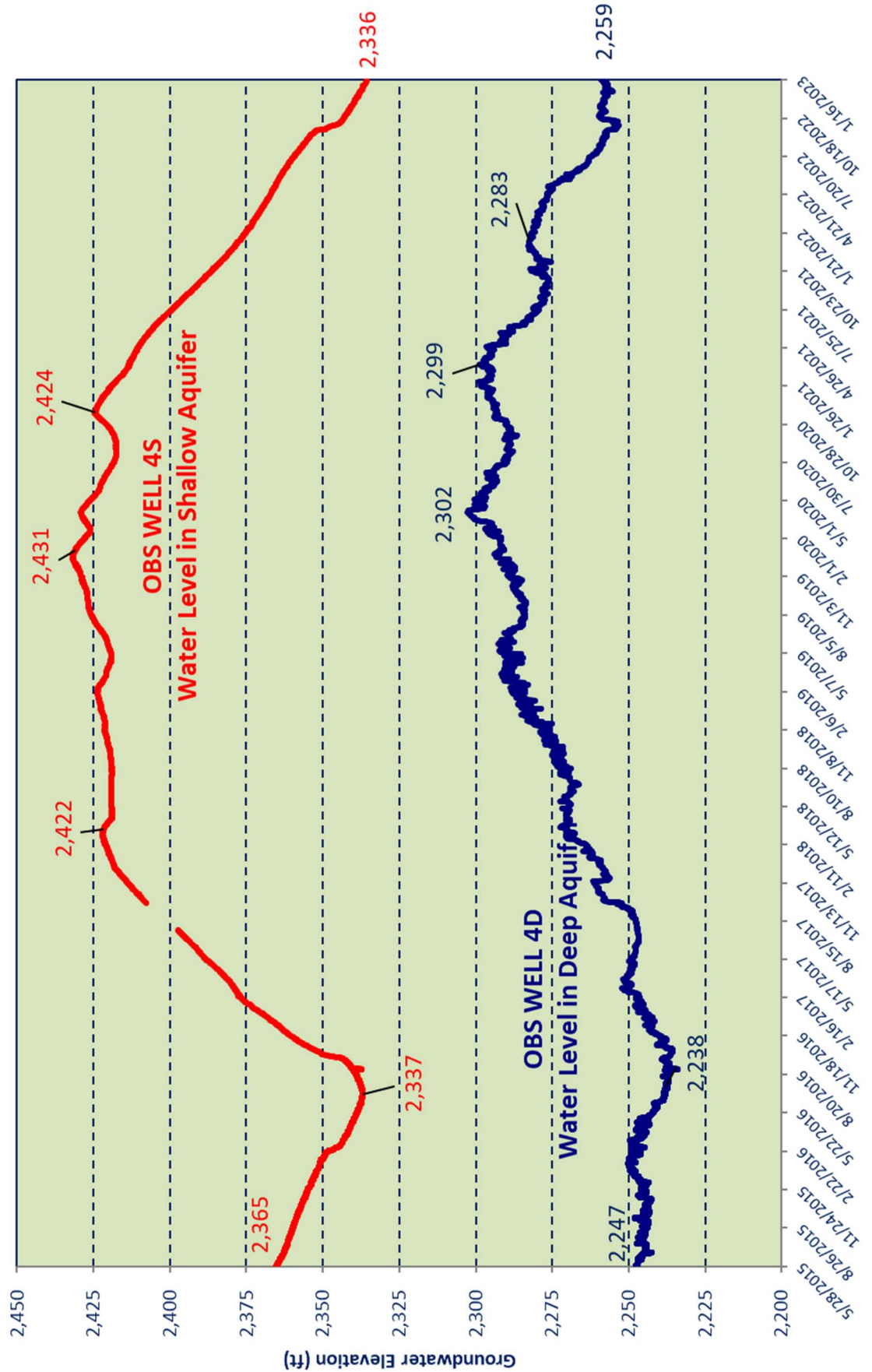


Figure No. 4
Static Groundwater Elevations at Summit Cemetery and Sun Lakes Wells
 (May 28, 2015 through Jan 16, 2023)

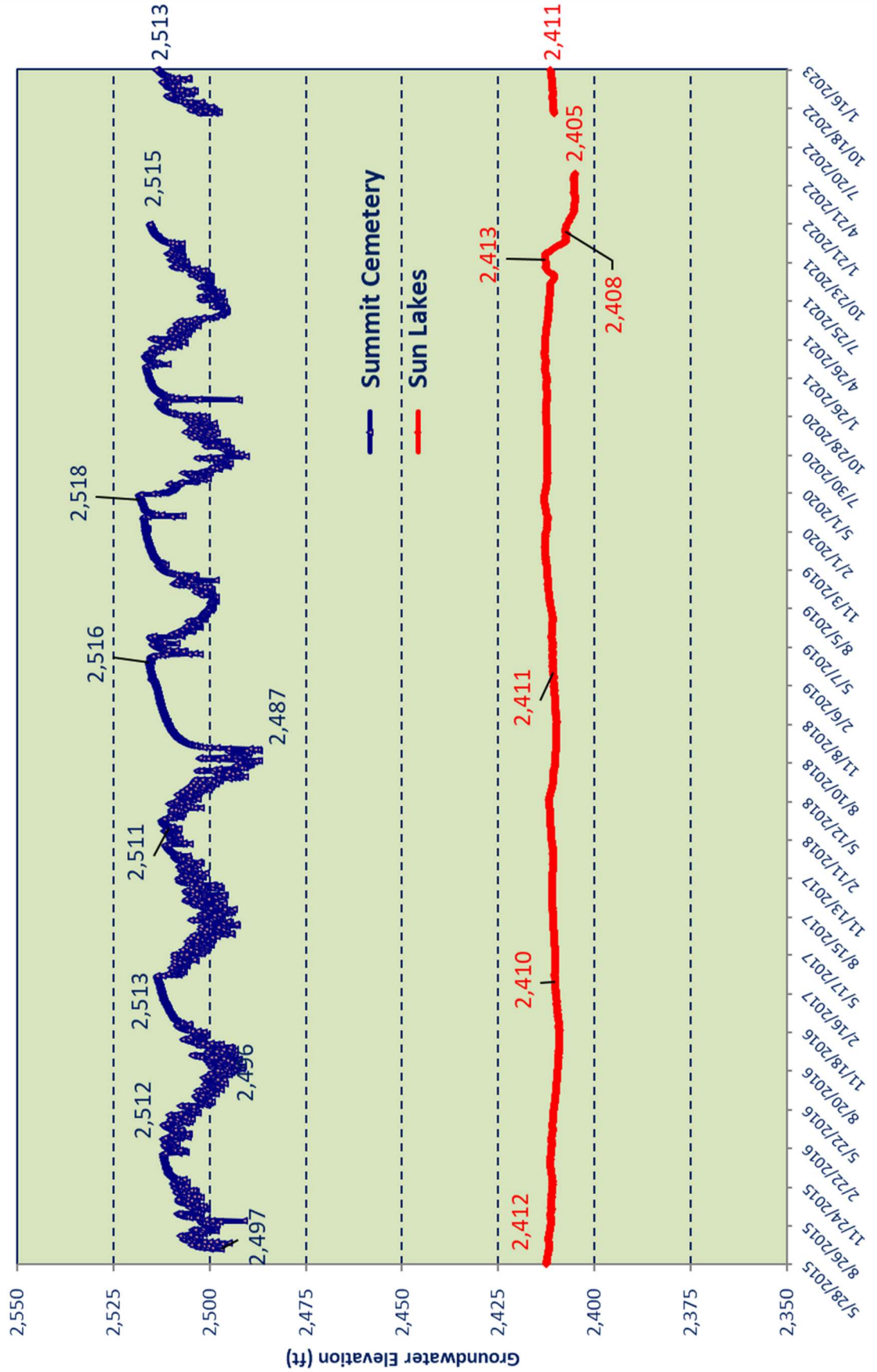


Figure No. 5
Static Groundwater Elevations in the Banning Area
 (May 28, 2015 through Jan 16, 2023)

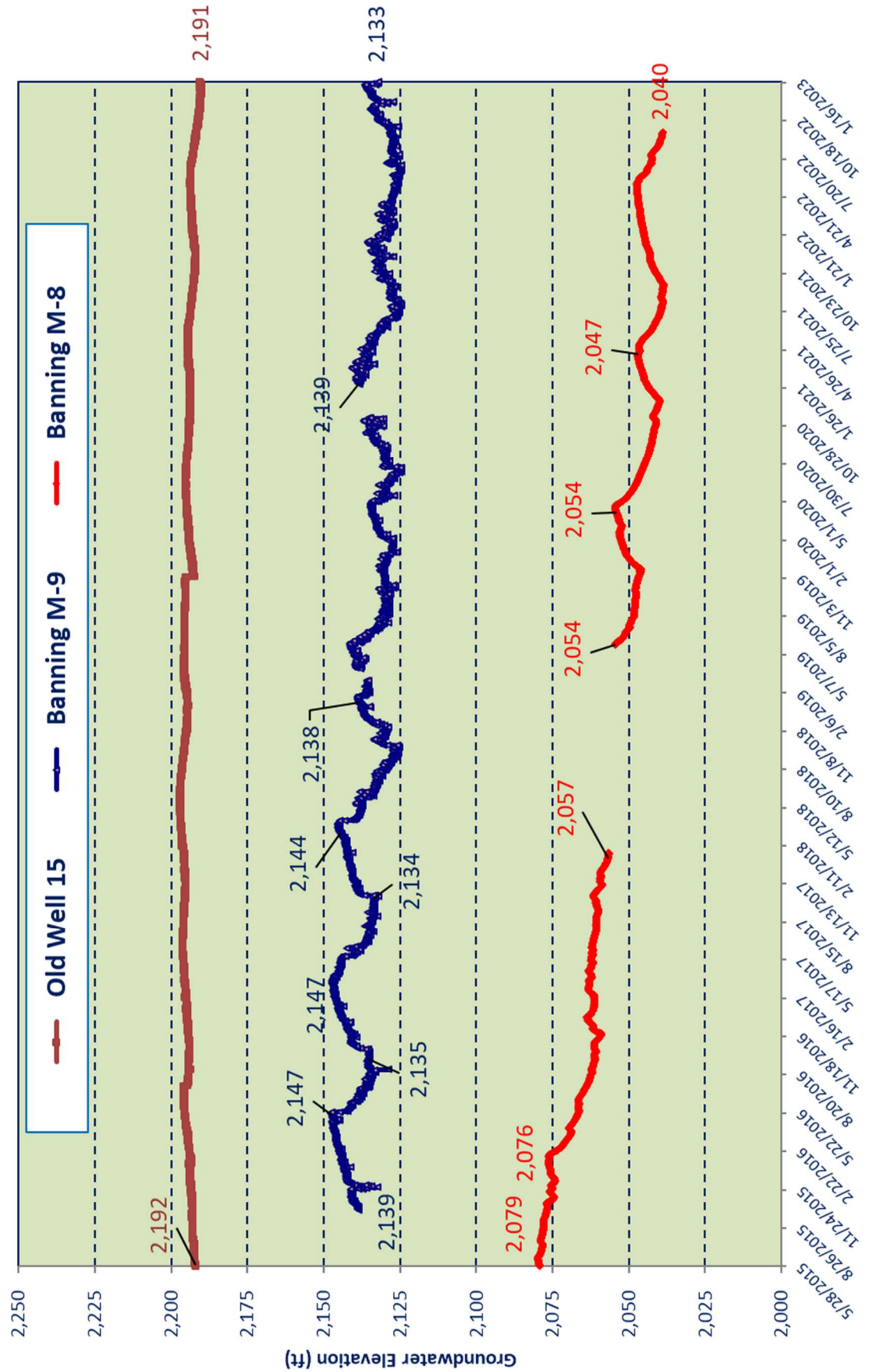


Figure No. 6
Static Groundwater Elevations at BCVWD Wells No. 2 and 25
 (Jan 26, 2017 through Jan 16, 2023)

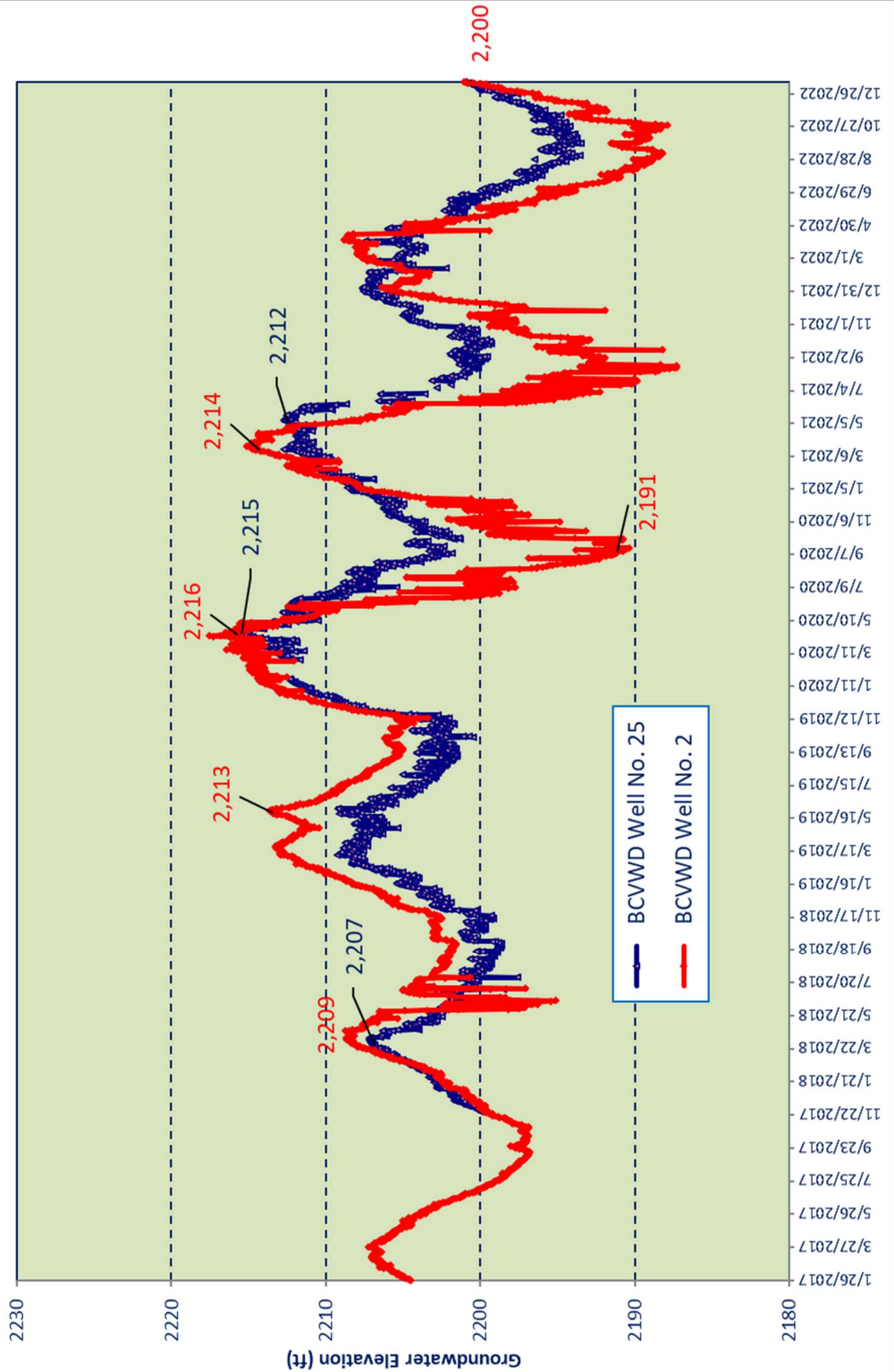
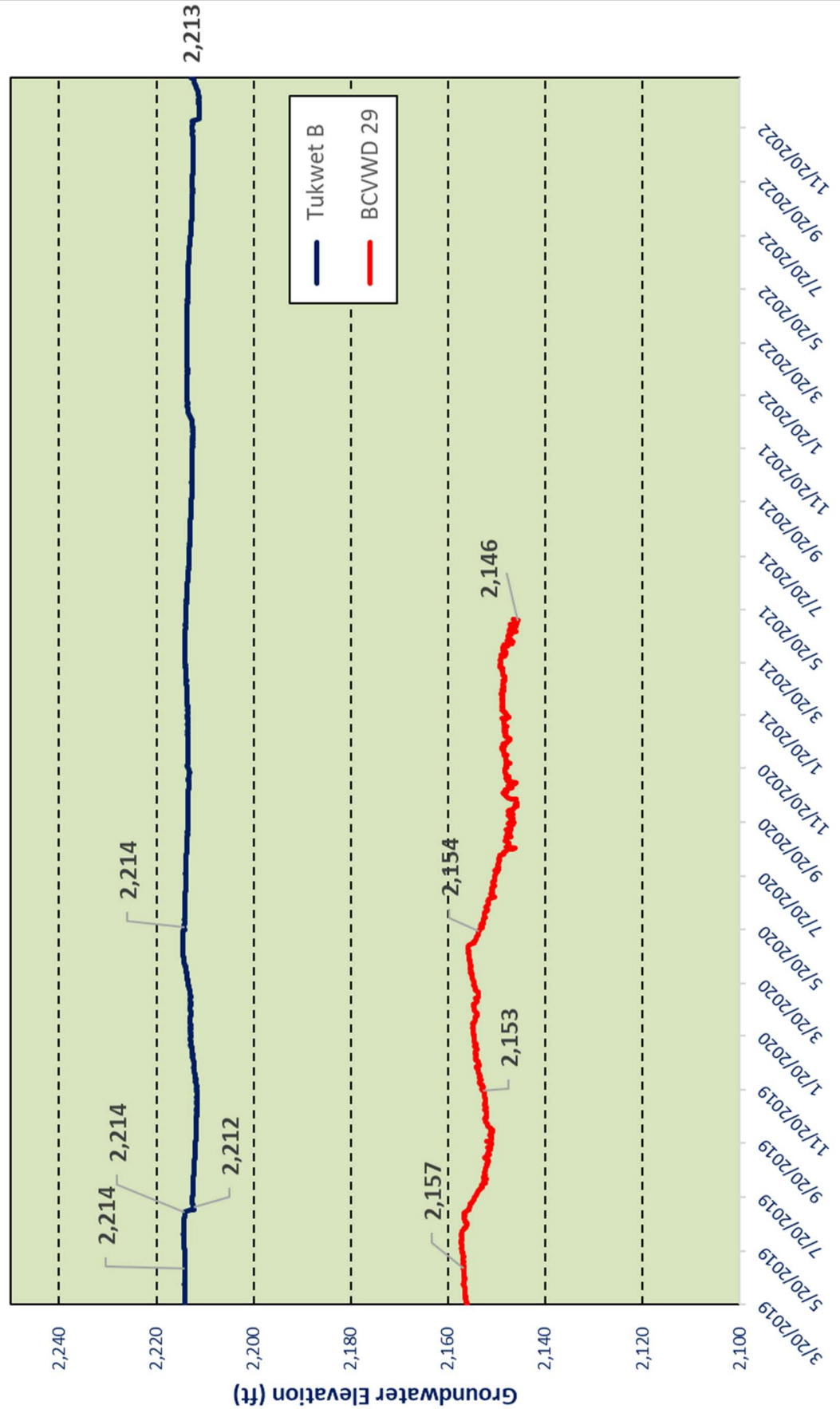


Figure No. 7
Static Water Level at BCVWD No. 29 and Tukwet Cyn Well B
 (Mar 20, 2019 through Jan 16, 2023)



BEAUMONT BASIN WATERMASTER

Date: February 1st, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: A Comparison of Production vs Extraction Credits for Calendar Year 2022

Recommendation: No recommendation - For informational purposes only

This Technical Memorandum presents a comparison of extraction credits from the Basin against actual production by Appropriator. At the beginning of each year, Appropriators have certain Extraction Credits resulting from: a) unused production by overlying users from 2017 and/or b) permanent transfers of overlying water rights. Extraction credits for individual Appropriators can be increased through the course of the year by spreading imported (supplemental) water.

Total production by Appropriators for calendar year 2022 was 17,233 ac-ft while extraction credits for the year were 6,289 ac-ft resulting in a negative credit balance of 10,944 ac-ft, as presented in the table below. This credit imbalance is primarily related to BCVWD's production exceeding its extraction credits and the City of Banning to a lesser degree. Spreading of imported water has been minimal at 1,811 ac-ft for the year with most of the water spread in the last quarter of the year. YVWD is the only agency with a positive credit balance in Calendar Year 2022. Appropriators that produce less than their individual extraction credits can add the positive difference to their storage accounts at the end of the Calendar Year, as listed in the table.

	City of Banning	Beaumont Cherry Valley W. D.	South Mesa Mutual W. C.	Yucaipa Valley W. D.	Total
Transfer of Overlying Rights from 2017	1,350	1,826	536	583	4,295
Transfer of Overlying Rights - OVP to YVWD	0	0	0	183	183
Imported Water	35	1,776	0	0	1,811
Total Extraction Credits	1,385	3,602	536	766	6,289
Production	2,458	13,517	575	683	17,233
Credit Balance	-1,073	-9,915	-39	83	-10,944
Water in Storage as of Dec 2021	48,778	32,081	10,263	15,957	107,078

There have been no transfers from SGPWA's storage account to Appropriators during Calendar Year 2022.

Discussion Items

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-01**

Date: February 1, 2023

From: Joseph Zoba, Treasurer

Subject: Reorganization of the Beaumont Basin Watermaster Committee - Chairman, Vice-Chairman, Secretary, and Treasurer

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

The purpose of this agenda item is to provide the Watermaster Committee members with the opportunity to reaffirm the existing officers or solicit nominations for the appointment of new officers for the organization.

A Vice Chair must be appointed.*

The current officers are:

Chairperson	Art Vela	City of Banning
Vice Chair	VACANT*	
Secretary	Dan Jagers	Beaumont-Cherry Valley Water District
Treasurer	Joseph Zoba	Yucaipa Valley Water District

*The 2022 Vice Chair position was held by George Jorritsma of South Mesa Water Company, who passed away on November 3, 2022.

BEAUMONT BASIN WATERMASTER MEMORANDUM NO. 23-02

Date: February 1, 2023

From: Joseph Zoba, Treasurer

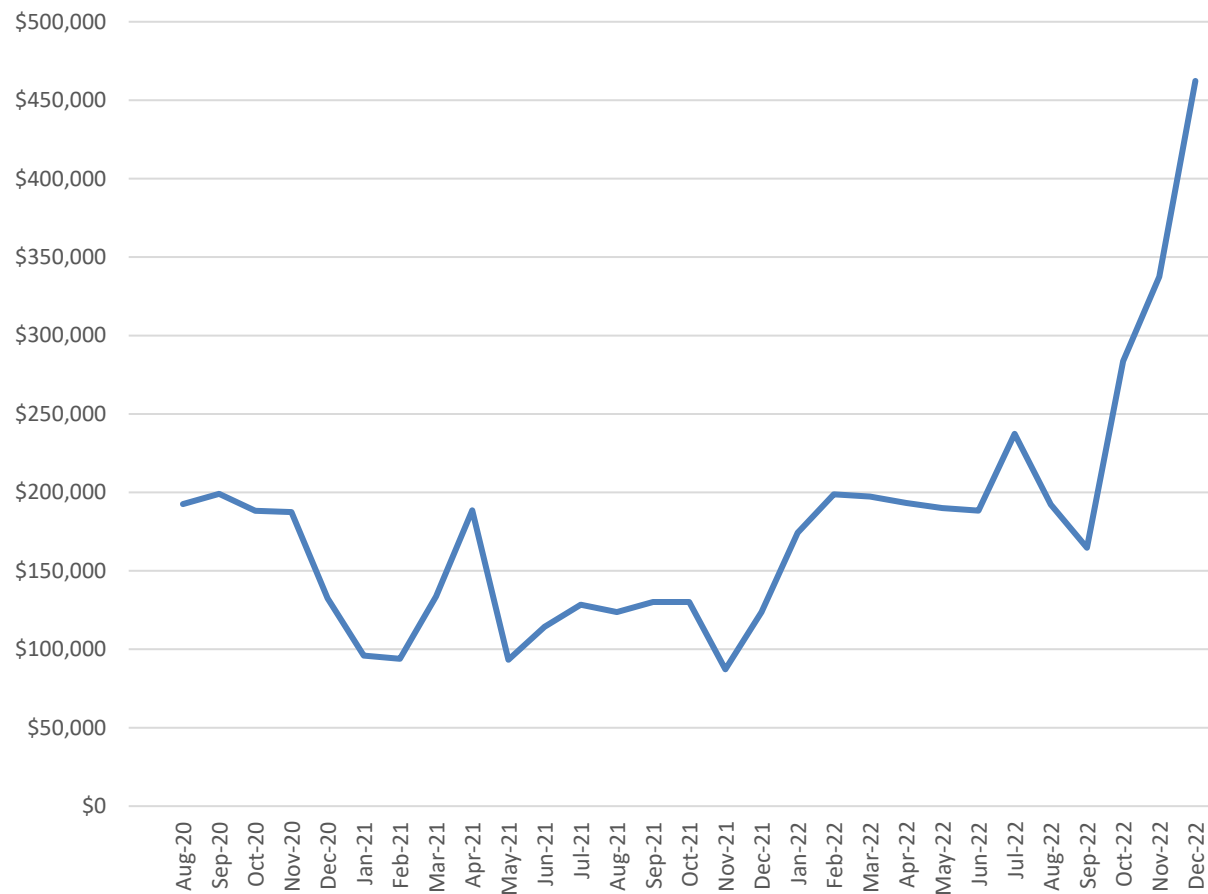
Subject: Financial Status Report

Recommendation: Presentation only. No action required.

The following information has been compiled to provide an update on the financial status of the Beaumont Basin Watermaster.

Account Balance - The bank account balance will increase with the receipt of payments from the Watermaster Committee and decrease with the payment of routine expenses incurred by the Watermaster.

Bank Account Balance - Month End



Budget Monitoring - Revenue for the Beaumont Basin Watermaster is received when one of the following events occur: (1) the Watermaster Committee approves a task order; (2) the Watermaster Committee approves a special project; (3) when a budget is adopted with a recommendation to replenish the anticipated administrative expenses for the year; or (4) when the administrative funds have been depleted and additional funds are required.

Based on the current status of the budget, the anticipated budget line item overage for Legal Expenses will be funded from Reserve Funds.

OPERATING EXPENSES:	Approved Budget Fiscal Year 2023	Year-To-Date Expenses (Dec-22) 50%	Percentage of Approved Budget
Bank Fees & Interest	\$50.00	-\$26.89	-53.8%
Miscellaneous & Meeting Expenses	\$250.00	\$0.00	0.0%
Acquisition/Computation & Annual Report	\$100,000.00	\$78,620.00	78.6%
Annual Audit	\$1,300.00	\$1,550.00	119.2%
Engineering Services	\$50,000.00	\$26,790.00	53.6%
Monitoring & Data Acquisition	\$50,000.00	\$21,711.12	43.4%
Meter Installation	\$10,000.00	\$0.00	0.0%
Legal Expenses - Special Project	--	--	--
Legal Expenses	\$25,000.00	\$8,091.00	32.4%
Reserve Funding	\$10,000.00	\$0.00	0.0%
Special Project - Engineering	\$0.00	\$0.00	0.0%
Special Project - Litigation	\$0.00	\$0.00	0.0%
Total Operating Expense	\$246,600.00	\$136,735.23	55.4%

Summary of Consultant Task Orders - The following Task Orders are open with our consultants.

Task Order	Description	Contract Amount	Payments to Date	Percent Billed to Date
8	On-Call Services	\$20,000	\$18,062.50	90%
17	Return Flow Analysis	\$98,280	\$67,431.25	69%
20	2020 Support Services	\$95,970	\$83,442.50	87%
21	2020 Water Level Monitoring	\$21,520	\$18,000.00	84%
22	Water Quality Monitoring	\$43,750	\$43,741.25	100%
23	2020 Annual Report	\$95,970	\$86,373.00	90%
24	2021 Water Level Monitoring	\$21,520	\$20,940.00	97%
25	On Call Engineering Services	\$25,000	--	--
26	Account for Storage Losses	\$16,700	\$16,700.00	100%
27	Data Compilation & Distribution	\$15,000	\$13,625.00	91%
28	2021 Annual Report	\$103,600	\$78,620.00	76%
29	Water Level Monitoring	\$24,975	\$18,200.00	73%
22-22	Dudek Admin Support	\$87,730.00	\$28,892.50	33%
22-27	Thomas Harder – Professional Services	\$315,805.00	--	--
22-27	Thomas Harder – Professional Services	\$28,370.00	--	--

BEAUMONT BASIN WATERMASTER MEMORANDUM NO. 23-03

Date: February 1, 2023

From: Joseph Zoba, Treasurer

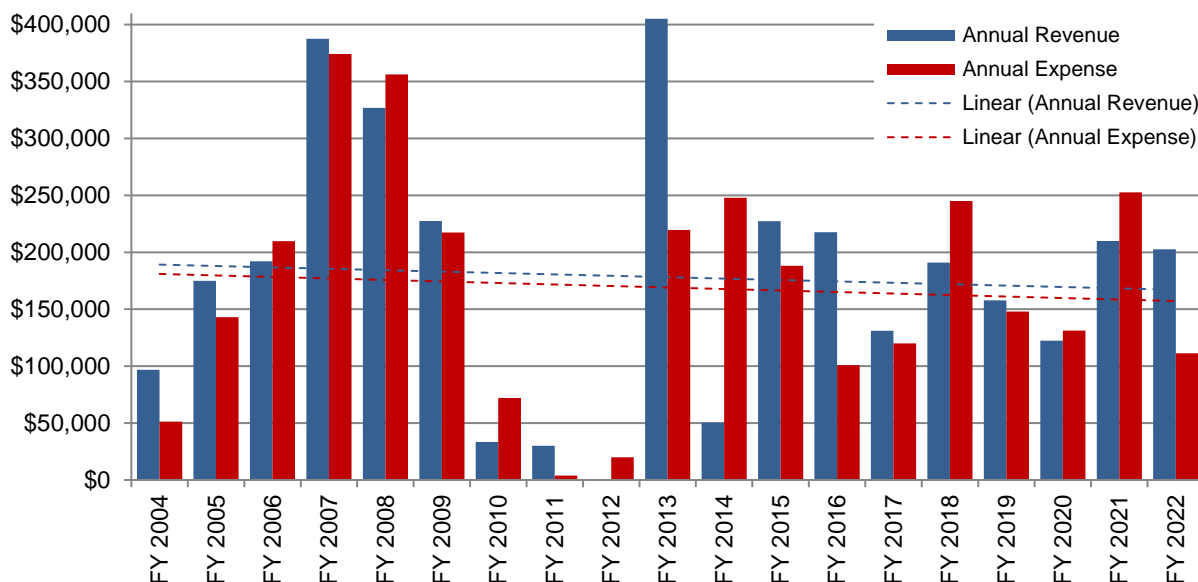
Subject: Independent Accountant's Financial Report of Agreed-Upon Procedures for the Beaumont Basin Watermaster

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

The Beaumont Basin Watermaster engaged the services of Rogers, Anderson, Malody & Scott to perform an independent financial review of the Watermaster activities for the fiscal year ending June 30, 2022. The independent financial review was conducted under the same terms and scope as the prior fiscal year.

At the beginning of the 2021-2022 fiscal year, the Beaumont Basin Watermaster had an unrestricted net position of \$93,258. During the fiscal year, the Watermaster collected \$202,664 in revenues and expended \$111,229. As of June 30, 2020, the Watermaster had unrestricted net position of \$184,693.

The following illustration provides a summary of the annual revenues and expenses of the Beaumont Basin Watermaster since its formation in 2004.



BEAUMONT BASIN WATERMASTER

**INDEPENDENT ACCOUNTANT'S REPORT ON APPLYING
AGREED-UPON PROCEDURES
ON THE BEAUMONT BASIN WATERMASTER SCHEDULES**

JUNE 30, 2022



ROGERS, ANDERSON, MALODY & SCOTT, LLP
CERTIFIED PUBLIC ACCOUNTANTS, SINCE 1948

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Employee Benefit Plan
Audit Quality Center

California Society of
Certified Public Accountants



Independent Accountant's Report

Yucaipa Valley Water District as Treasurer
of the Beaumont Basin Watermaster
Yucaipa, California

We have performed the procedures enumerated below on the Watermaster Schedules (Schedules), attached as Exhibit A and Exhibit B, on the full accrual basis of accounting as of June 30, 2022, and for the year then ended. Yucaipa Valley Water District (the District) management, as treasurer of the Beaumont Basin Watermaster (the Watermaster), is responsible for the Schedules.

The District, the Watermaster and its member agencies have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of evaluating certain amounts reported in the Schedules, attached as Exhibit A and Exhibit B, on the full accrual basis of accounting as of June 30, 2022, and for the year then ended and its compliance with the Rules and Regulations regarding assessments and expenses. Additionally, the Watermaster has agreed to and acknowledged that the procedures performed are appropriate to meet their purposes. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures and the associated findings are as follows:

1. Procedure

Agree the unrestricted net position, beginning of year amount on the Schedule of Revenues and Expenses (Exhibit B) to the unrestricted net position, end of year amount noted on the trial balance for the fiscal year ended June 30, 2021.

Finding

No exceptions were noted as a result of applying the procedure.

2. Procedure

Agree the cash balance reported on Exhibit A to the bank reconciliation, bank statement and trial balance. Select all of the deposits in transit and outstanding checks and trace their clearing to the subsequent month's bank statement.

Finding

No exceptions were noted as a result of applying the procedure.

3. Procedure

Trace all member agency assessments recorded in the Schedule of Revenues and Expenses (Exhibit B) to the invoices and the bank statements.

Finding

No exceptions were noted as a result of applying the procedure.

4. Procedure

Compare the ending check number for the fiscal year ended June 30, 2021 to the beginning check number for the period beginning on July 1, 2021. Note any breaks in check sequence for the period of July 1, 2021 through June 30, 2022.

Finding

No exceptions were noted as a result of applying the procedure.

5. Procedure

Based on the population of checks issued during July 1, 2021 through June 30, 2022, select all payments and trace the check to supporting invoice noting whether the activity pertains to the Watermaster. Agree the dollar amount and vendor on the invoice to the check for accuracy.

Finding

No exceptions were noted as a result of applying the procedure.

6. Procedure

Obtain the general ledger detail for the period of July 1, 2021 to June 30, 2022. Select all journal entries and trace the transaction to an approved journal entry and documentation supporting the nature and rationale of the journal entry.

Finding

No exceptions were noted as a result of applying the procedure.

We were engaged by the District, the Watermaster, and its member agencies to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an examination or review, the objective of which would be the expression of an opinion or conclusion, respectively, on the schedule of assets, liabilities and net position (Exhibit A) and the schedule revenues and expenses (Exhibit B). Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of the District, the Watermaster and its member agencies and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Watermaster and the District and is not intended to be and should not be used by anyone other than the specified parties.

Rogers, Anderson, Malody & Scott, LLP.

August 24, 2022
San Bernardino, California

**Beaumont Basin Watermaster
Schedule of Assets, Liabilities and Net Position
(Unaudited)
June 30, 2022**

Assets

Cash and cash equivalents	<u>\$ 188,419</u>
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Total assets	<u>188,419</u>
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Liabilities

Accounts payable	<u>3,726</u>
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Net position

Unrestricted	<u><u>\$ 184,693</u></u>
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**Beaumont Basin Watermaster
Schedule of Revenues and Expenses
(Unaudited)
For the Year Ended June 30, 2022**

Revenues

Assessments	\$ 202,620
Interest	<u>44</u>
Total revenues	<u>202,664</u>

Expenses

Special projects	
Acquisition/computation and annual report	50,615
Engineering	17,515
Monitoring and data acquisition	4,899
Administrative	
Legal and professional	38,186
Bank charges	<u>14</u>
Total expenses	<u>111,229</u>

Change in net position	91,435
Unrestricted net position, beginning of year	<u>93,258</u>
Unrestricted net position, end of year	<u><u>\$ 184,693</u></u>

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-04**

Date: February 01, 2023

From: Steven Stuart, Dudek

Subject: Request for Proposals for Licensed Surveyors to Survey Wells in Beaumont Basin Monitoring Network

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

The locations and elevations of reference points from which water levels are measured at wells in the Beaumont Basin monitoring network are collected from multiple sources, including Google Earth and USGS topographic maps. The information from these sources may be inaccurate by as much as 20 feet in elevation. The measured depths-to-water collected at the wells are converted to groundwater elevations, which are used to calculate hydraulic gradients in the Beaumont Basin. The inaccuracies in the elevation data may markedly misrepresent actual groundwater elevations and the direction of groundwater flow in the Basin.

Therefore, we recommend that the Beaumont Watermaster Committee consider issuing a Request for Proposals (RFP) for the services of a licensed land surveyor to survey the locations and elevations of all wells and other points of interest associated with monitoring conditions in the Beaumont Basin. The survey will reference all locations to the North American Datum of 1983 (NAD83) and all elevations to the North American Vertical Datum of 1988 (NAVD88). These two datums are required under the Sustainable Groundwater Management Act (SGMA) in measuring and reporting groundwater elevations. The Beaumont Watermaster will be consistent with its SGMA reporting requirements by surveying all points of interest to NAD83 and NAVD88.

Dudek will collaborate with Thomas Harder & Company and the San Geronio Pass Water Agency in developing a RFP to include a scope of work and list of wells and other points of interest to be surveyed by a licensed land surveyor. Dudek will prepare a draft RFP for the Beaumont Watermaster Committee to review and provide comments, with the goal of having the Committee consider issuing the RFP at the April 5, 2023 Beaumont Watermaster Committee meeting.

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-05**

Date: February 01, 2023

From: Steven Stuart, Dudek

Subject: Development of Data Management System

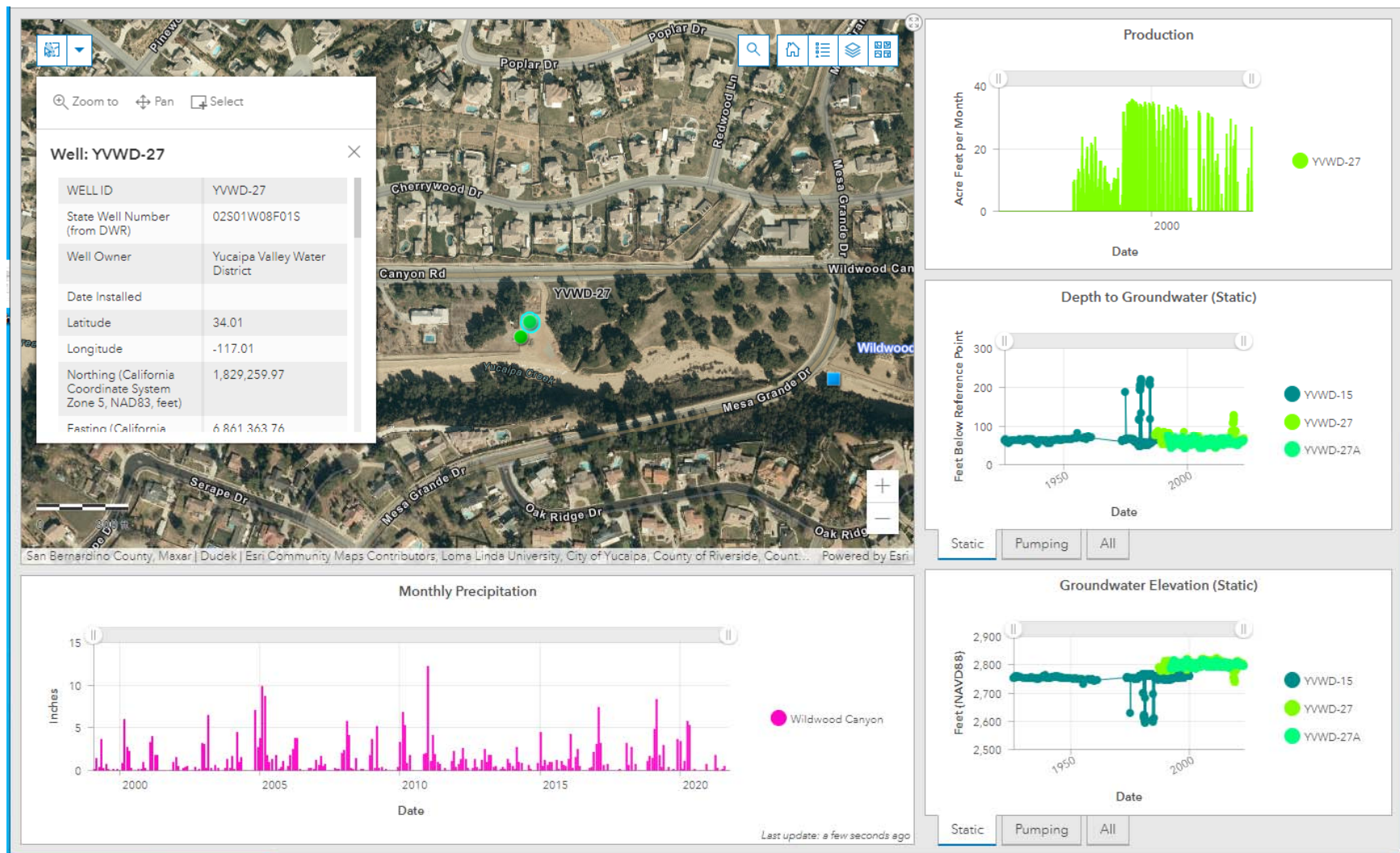
Recommendation: Consider authorizing Dudek to prepare a proposal to develop a GIS-based Data Management System for the Beaumont Basin.

GIS-based Data Management Systems (DMS) are an effective tool to facilitate the collection, compilation and usage of data to characterize conditions in groundwater basins. The Sustainable Groundwater Management Act requires Groundwater Sustainability Agencies (GSA) to develop and utilize a digital DMS to store and report information relevant to the development and implementation of Groundwater Sustainability Plans (GSP) and for monitoring conditions in the GSP Plan Areas. The GSAs for the San Geronio Pass Subbasin and the Yucaipa Subbasin each developed a DMS. These systems are utilized by both GSAs to evaluate groundwater conditions since the implementation of their respective GSPs. A DMS for the Beaumont Basin will serve as a repository for climatic, groundwater and surface water data that will be accessible to all Watermaster committee members to view and evaluate conditions in the Basin. As it is, we understand that this data is collected in various databases in multiple formats. A DMS for the Beaumont Basin will act as a centralized database with security features to control access and provide data redundancy.

Dudek believes that the goal of a DMS is to provide the effective communication of data between stakeholders. The DMS will be a system capable of incorporating data from multiple sources and streams into a consistent framework. We are a strong believer that your data and your applications belong to you. We employ the use of ArcGIS Online to host and maintain data and applications that comprise the DMS. This approach offers a great amount of security, reliability, scalability, and flexibility. Just as important, it offers transferability so any agency can take over the management of the data and applications if they choose to do so.

Dudek developed and maintains the DMS for the Yucaipa Subbasin GSP, and also DMS for the GSPs developed for the Borrego Basin and the Montecito Basin. Dudek also developed and maintains similar data management systems for the Ramona Municipal Water District, Pauma Valley Community Services District, and the City of Auburn. The image below provides an example of the graphical features that may be employed in the Beaumont Basin DMS.

Dudek is prepared to provide the Beaumont Watermaster Committee with a proposal to develop a DMS for the Beaumont Basin. We encourage the participation and input from staff representing each Committee member in the development of the DMS. We view the development of a DMS as a collaborative effort to ensure that the data in the DMS is accurate, representative of conditions in the Basin, and presented in a format that is understandable and easily accessible. With the authorization of the Beaumont Watermaster Committee for Dudek to proceed with preparing a proposal to develop a DMS, we anticipate presenting our proposal at the April 5, 2023 Watermaster Committee meeting.



Example of the Yucaipa DMS