

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

Wednesday, April 5, 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 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 – APRIL 5, 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. February 1, 2023 Regular Meeting [\[Page 6\]](#)
- B. Status Report on Water Level Monitoring throughout the Beaumont Basin through March 22, 2023 [\[Page 14\]](#)
- C. A Comparison of Production versus Extraction Credits through February 2023 [\[Page 25\]](#)

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. Certification of Groundwater Production, Imported Water Spreading, and Change in Storage in the Beaumont Groundwater Basin during Calendar Year 2022 [Memorandum No. 23-06, Page 27]
Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during CY 2022
- B. 2022 Consolidated Annual Report and Engineering Report – Presentation of Draft Report [Memorandum No. 23-07, Page 35]
Recommendation: Presentation only. No action required
- C. Transfer of Water Rights to Beaumont-Cherry Valley Recreation and Park District [Memorandum No. 23-08, Page 328]
Recommendation: No recommendation.
- D. Update on Well Survey Project and Request for Proposals for Licensed Surveyors to Survey Wells in the Beaumont Basin Monitoring Network [No written report]
Recommendation: No recommendation.
- E. Proposal for Development of Data Management System and Demonstration [Memorandum No. 23-09, Page 360]
Recommendation: Consider the proposal from Dudek to develop a GIS-based Data Management System for the Beaumont Basin
- F. Approval of Expenditures related to Public Records Act Request [Memorandum No. 23-10, Page 366]
Recommendation: Approve the expenditure of \$00,000 to Tom Harder and Associates to prepare and furnish public records to the Santa Ana River Watershed Project Authority (SAWPA)

VIII. Topics for Future Meetings

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

IX. Comments from the Watermaster Committee Members

X. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, June 7, 2023, at 11:00 a.m.
- B. Future Meeting Dates:
- 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, February 1, 2023**

Meeting Location:

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

I. Call to Order

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

II. Roll Call

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

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

Thierry Montoya was present as BBWM legal counsel.

Steve Stuart of Dudek was present as BBWM administrator.

Members of the public who registered and / or attended:

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

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

IV. Public Comments: None.

V. Consent Calendar

A. Meeting Minutes

December 7, 2022 Regular Meeting

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

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

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

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

VI. Reports

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

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

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

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

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

C. Report from Administrative Consultant – Steve Stuart, Dudek

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

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

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

VII. Discussion Items

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

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

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

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

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

and approved by the following vote:

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

B. Financial Status Report

Recommendation: No action required

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Chair Vela invited public comment. There was none.

E. Development of Data Management System

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

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

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

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

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

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

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

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

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

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

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

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

Member Zoba suggested individual tours of the program.

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

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

VIII. Topics for Future Meetings

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

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

IX. Comments from the Watermaster Committee Members

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

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

X. Announcements

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

XI. Adjournment

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

Attest:

Daniel Jagers, Secretary
Beaumont Basin Watermaster

BEAUMONT BASIN WATERMASTER

Date: April 5th, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin through Mar 22, 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. 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. From the summer of 2015 through the spring of 2019, water levels at these two wells were fairly steady; however, over the last four years a significant decline has been observed. An 18-foot decline has been recorded at YVWD 34 over this 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 100 feet to the current elevation of 2,331 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 45 feet has been recorded since to the current elevation of 2,257 ft with over half of the decline taking place over the last 12 to 14 months. It should be noted that the elevations noted here are subject to change since they are based on Google Earth maps. This issue may be addressed in the near future since it is anticipated that all groundwater and monitoring wells will be surveyed.
- ✓ 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 range. 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 2,516 ft closer to the top of the operating range.

- ✓ 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 decline. Between November 2021 and May 2022, the water level dropped by eight feet to 2,405 ft. However, it has recovered to 2,412 ft in the last 12 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 33 feet, has been recorded at Banning M-8 between the summer of 2015 and the present to its current elevation of 2,046 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 2022 visit and worked as intended for four months; however, during our March visit it could not transmit information due to the presence of moisture and may need to be replaced again.
- ✓ 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 2,190 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 2,202 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 2,205 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 2,216 ft representing the highest recorded level since monitoring began. Between November 28, 2022 and January 18, 2023 recorded levels fluctuated significantly with declines of 1.4 feet and rises of 1.3 feet from one hour to the next. A review of seismic activity during the days and times of these sudden changes in water levels reveals that no earthquakes were recorded in Southern California; as a result, the validity of the data from this 50 day period has been questioned and will be assessed against data collected over the next two months.

Monitoring Wells

No additional monitoring wells were added during this reporting period.

Equipment Installation and Replacement

A new 200 feet communications cable has been installed at the Mountain View well.

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 and January 2023 visits due to issues with the communications cable. The data stored in the probe was finally retrieved during our March 23 visit. A new communications cable needs to be order for this site.
- 2.- The length of the communications cable at the Noble Creek Deep (South) well was measured in the field at 600.40 ft instead of the 600.00 ft originally labeled.
- 3.- The length of the communications cable at the Noble Creek Shallow (North) well was measured in the field at 500.55 ft instead of the 500.00 ft originally labeled.
- 4.- The length of the communications cable at the Mountain View well was measured in the field at 199.80 ft instead of the 200.00 ft originally labeled. A 0.3 ft in length transition optical reader was added at the end of the cable to be able to read the existing monitoring probe. Total cable length was revised to 200.10 ft, not including the 0.4 ft monitoring probe.

Potential Monitoring Sites

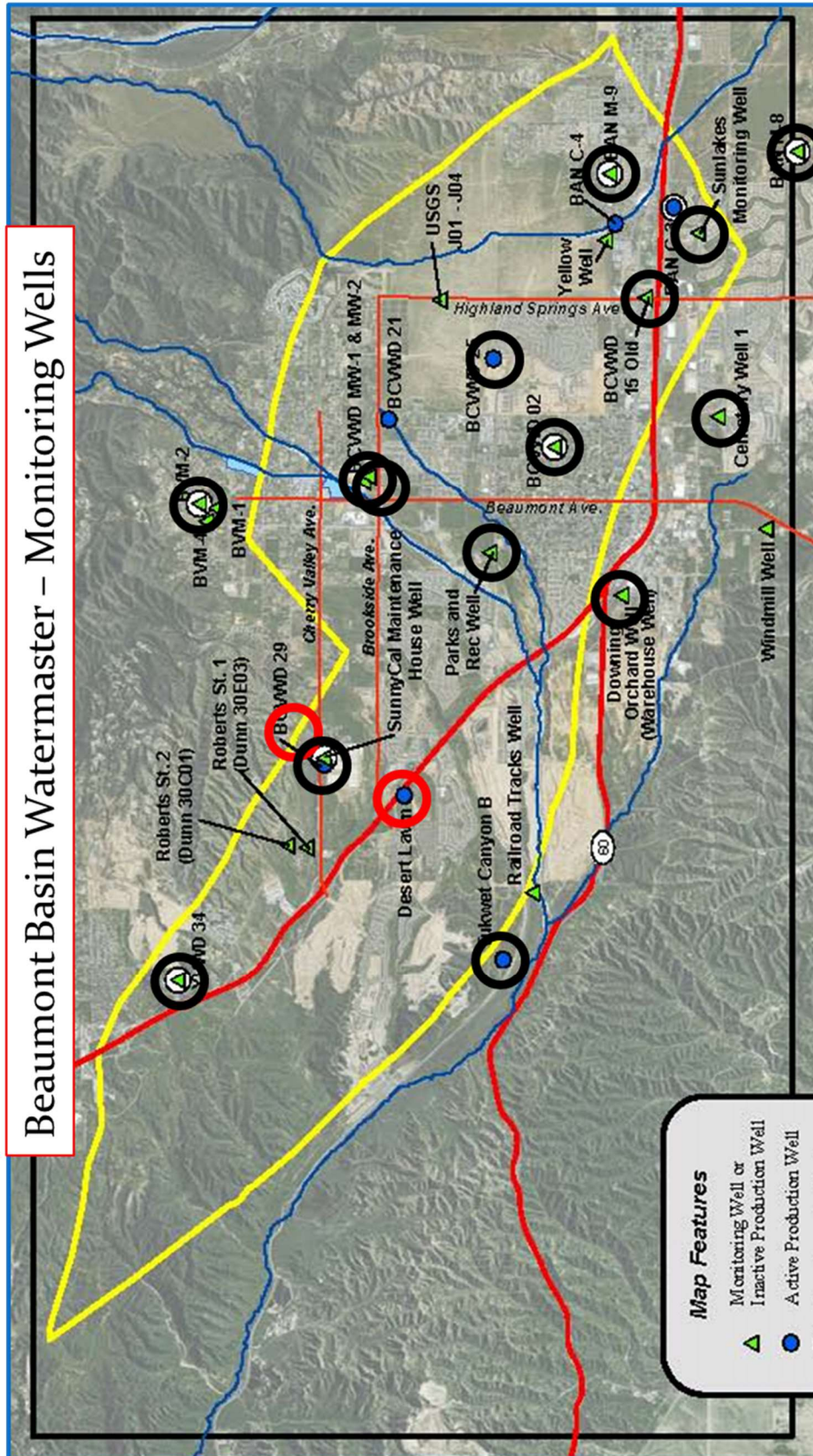
Two production wells have been identified as potential monitoring wells recently. The owners have been contacted and the sites visited. The first well is owned by the Beaumont-Cherry Valley Recreation and Park District. The well is located on the north side of Cherry Valley Blvd and has been recently 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		Potential Monitoring Wells
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
		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 Mar 22, 2023)

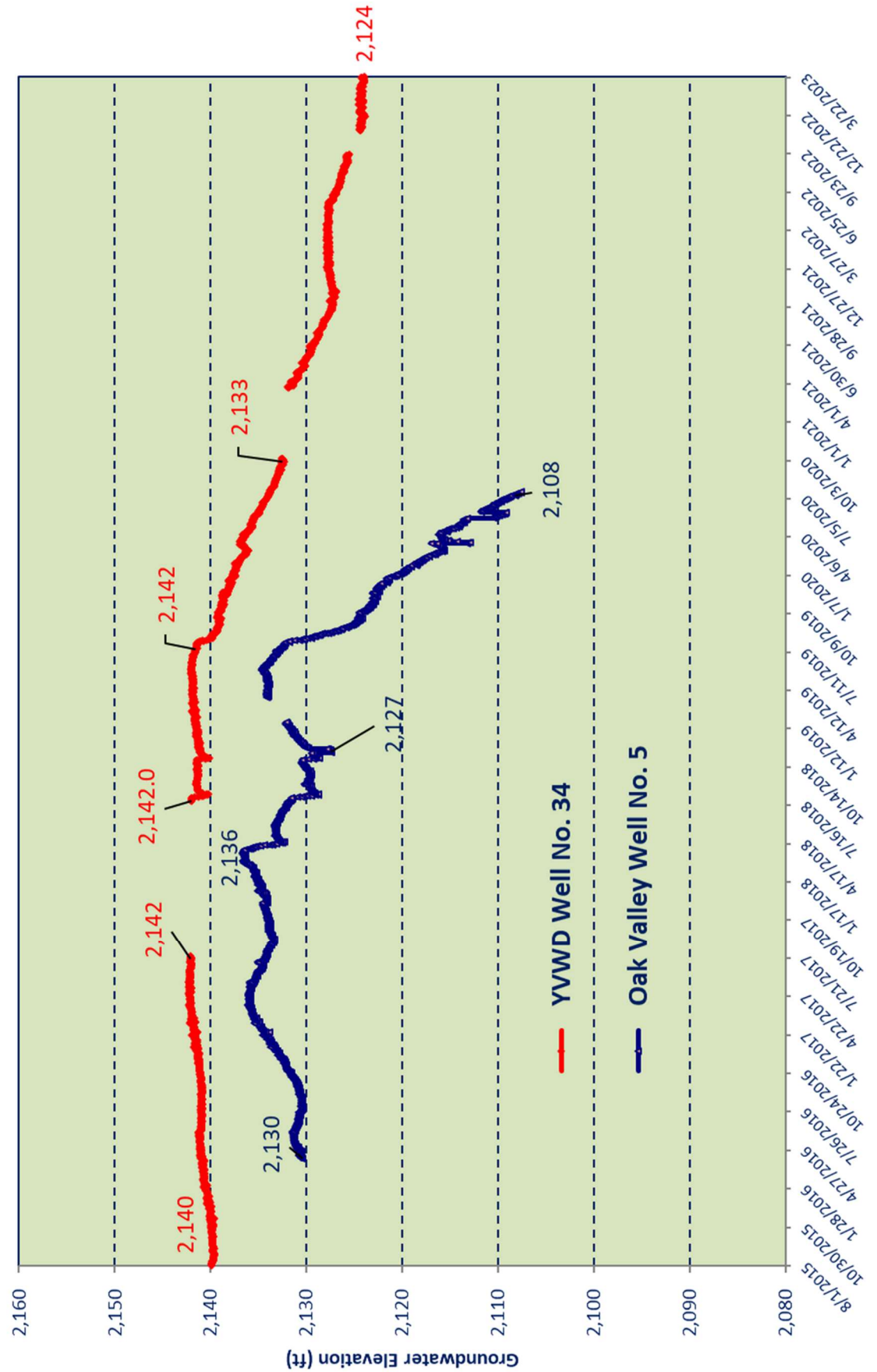


Figure No. 3
Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D
 (May 28, 2015 through Mar 22, 2023)

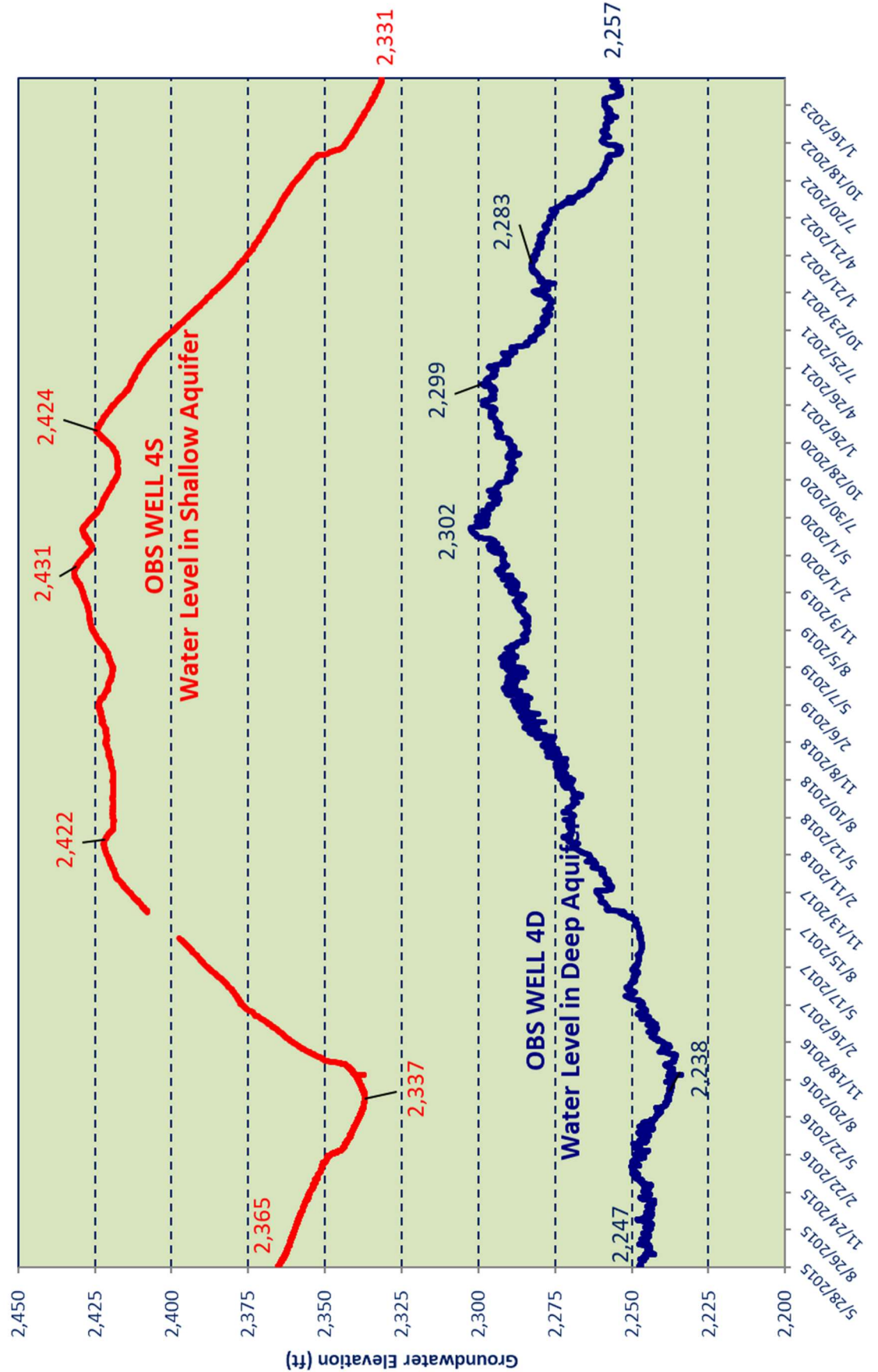


Figure No. 4
Static Groundwater Elevations at Summit Cemetery and Sun Lakes Wells
 (May 28, 2015 through Mar 22, 2023)

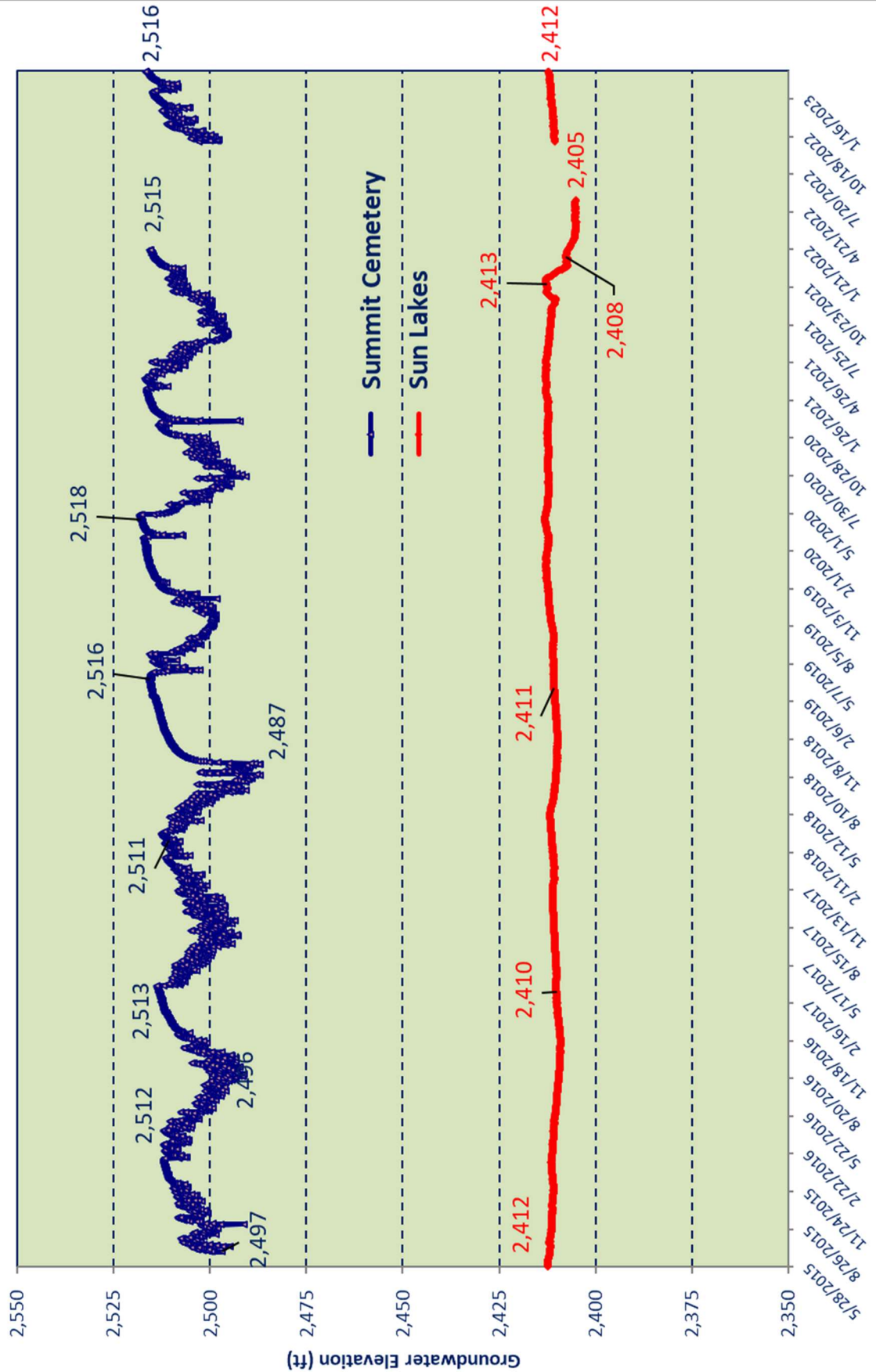


Figure No. 5
Static Groundwater Elevations in the Banning Area
 (May 28, 2015 through Mar 22, 2023)

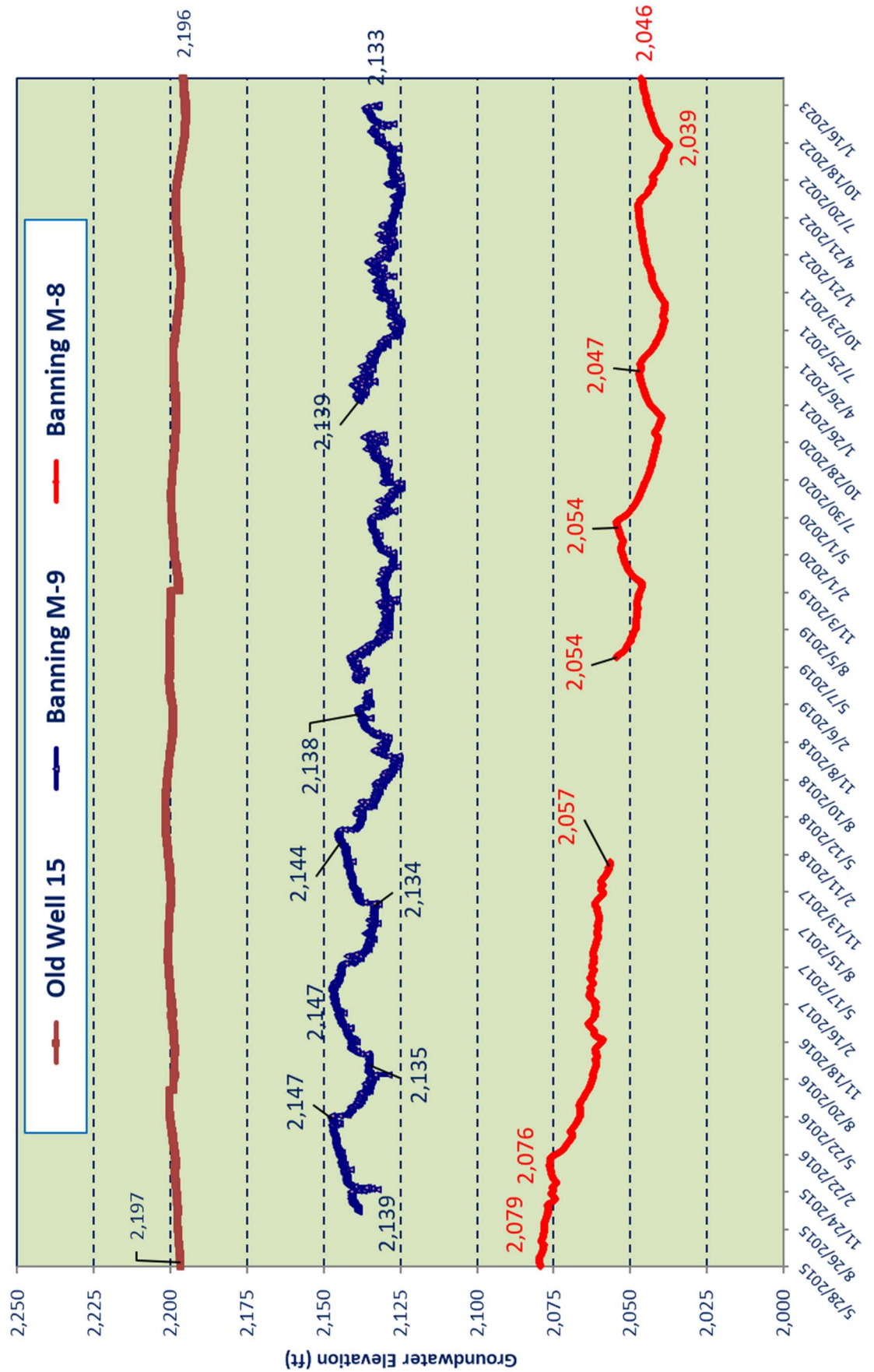


Figure No. 6
Static Groundwater Elevations at BCVWD Wells No. 2 and 25
 (Jan 26, 2017 through Mar 22, 2023)

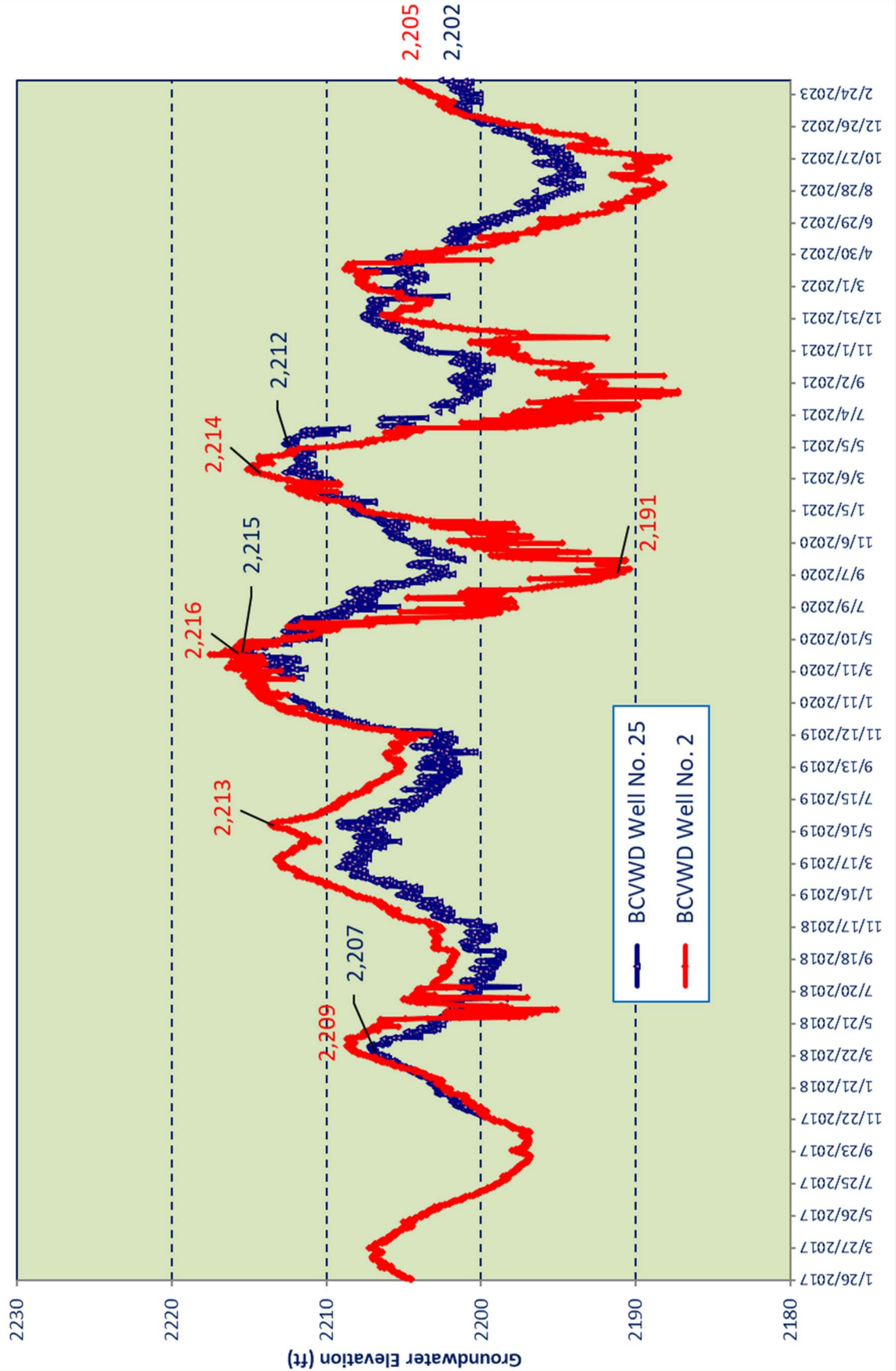
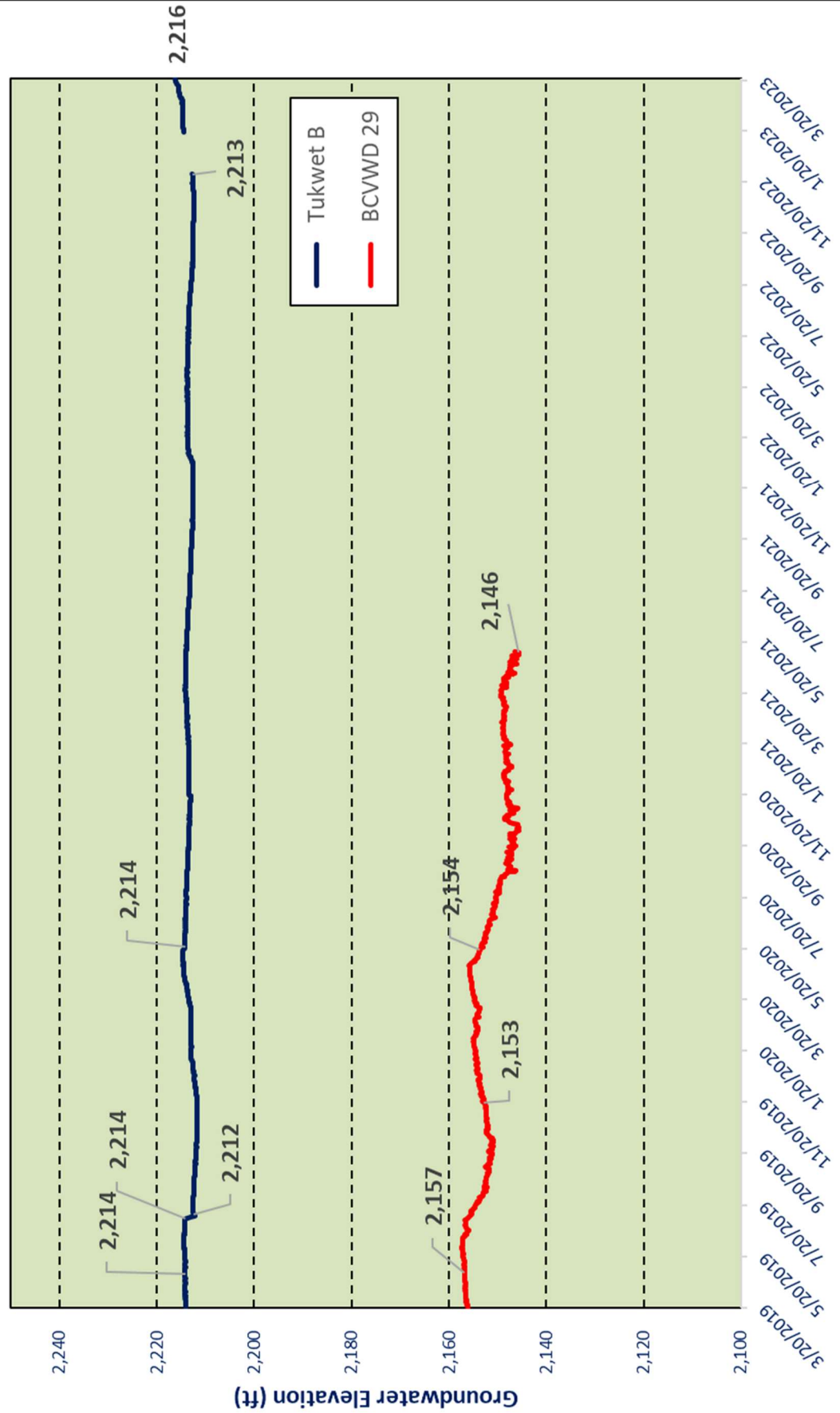


Figure No. 7
Static Water Level at BCVWD No. 29 and Tukwet Cyn Well B
 (Mar 20, 2019 through Mar 22, 2023)



BEAUMONT BASIN WATERMASTER

Date: April 5th, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: A Comparison of Production vs Extraction Credits through Feb 2023

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 2018 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 the first two months of calendar year 2023 was 1,446 ac-ft while extraction credits for the same period were 5,826 ac-ft resulting in a positive credit balance of 4,380 ac-ft, as presented in the table below. For the first two months of the year, all appropriators have a positive storage balance. Spreading of imported water has been significant for this period at 1,344 ac-ft; all of which has been on behalf of BCVWD. Based on anticipated production estimates for the rest of the year, groundwater production by some individual appropriators might exceed their extraction credits depending on the amount of imported water spread. 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 2018	1,351	1,828	537	584	4,299
Transfer of Overlying Rights - OVP to YVWD	0	0	0	183	183
Imported Water	0	1,344	0	0	1,344
Total Extraction Credits	1,351	3,172	537	767	5,826
Production	182	1,126	22	116	1,446
Credit Balance	1,169	2,046	515	651	4,380
Water in Storage as of Dec 2022	46,570	23,193	10,224	15,969	95,956

There have been no transfers from SGPWA's storage account to Appropriators during Calendar Year 2023.

Discussion Items

BEAUMONT BASIN WATERMASTER MEMORANDUM NO. 23-06

Date: April 5, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: Certification of Groundwater Production and Imported Water Use during CY 2022

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

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

Considering the 2022 Final Annual Report of the Beaumont Basin will not be ready until the June meeting, at the earliest, DWR indicated that the on-line forms can still be filled out and submitted to the state before the April 1st deadline. DWR requested that a formal letter from Watermaster be attached documenting that the production, storage, and imported water use quantities used in the form for 2022 are accurate and that a copy of the final annual report be submitted at a later date.

On March 24, 2023 a letter was written by Mr. Blandon to Mr. Jagers, as Secretary of the Watermaster Committee, documenting the required information to fulfill the state requirements before the April 1st deadline. In that letter, groundwater production was documented at 19,480 ac-ft, imported water spreading at 1,812 ac-ft, change in storage at a negative 11,731 ac-ft and a total water use in the basin at 19,480 ac-ft during the year. This information was used to fill out the on-line form with DWR.

On March 28, 2023 a revised letter was written to Mr. Jagers modifying the change in storage to a negative 10,601 ac-ft with all other information remaining unchanged. The revised change in storage resulted from additional review and refinement of groundwater level contour lines in the basin between December 2021 and December 2022.

The information documented in the March 28, 2023 letter and presented below was compiled during the preparation of the 2022 Draft annual report.

- ✓ 2022 Groundwater Production
 - Total groundwater production: 19,480 ac-ft
 - Metered production: 19,466 ac-ft (Low uncertainty)
 - Other method (Water Duty): 14 ac-ft (Medium uncertainty)

- ✓ 2022 Surface Water Supply
 - State Water Project deliveries: 1,812 ac-ft (Low uncertainty)
- ✓ Total Water Use: 19,480 ac-ft
- ✓ 2022 Change in Storage: -10,601 ac-ft

Watermaster letter to DWR can be attached under Section F of the on-line form.

March 28, 2023

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

Subject: **Certification of Groundwater Production and Imported Water Use in CY 2022**

Dear Mr. Jagger:

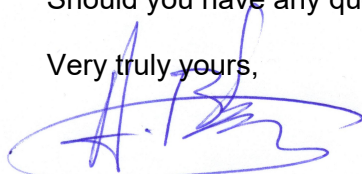
This past March 24, 2023 we wrote a letter to you, as Secretary of the Beaumont Basin Watermaster, documenting the use of water in the basin during CY 2022. This information was to be used to fill out an on-line form with the State of California Department of Water Resources (DWR) as part of the Adjudicated Basins Annual Reporting System. In that letter we documented groundwater production at 19,480 ac-ft, imported water spreading at 1,812 ac-ft, change in storage of a negative 11,731 ac-ft and a total water use in the basin of 19,480 ac-ft during the year. It is our understanding that you already submitted the above information to DWR through their portal.

Upon further review and refinement of groundwater level contour lines in the basin between December 2021 and December 2022, conducted over the last few days, we have revised the change in storage to a negative 10,601 ac-ft. We apologize for this late change and request that you resubmit this information to DWR as follows:

- ✓ 2022 Groundwater Production
 - Total groundwater production: 19,480 ac-ft
 - Metered production: 19,466 ac-ft (Low uncertainty)
 - Other method (Water Duty): 14 ac-ft (Medium uncertainty)
- ✓ 2022 Surface Water Supply
 - State Water Project deliveries: 1,812 ac-ft (Low uncertainty)
- ✓ Total Water Use: 19,480 ac-ft
- ✓ 2022 Change in Storage: -10,601 ac-ft

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

Very truly yours,



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

BEAUMONT BASIN WATERMASTER

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

Office (951)845-9581
Email: dan.jagers@bcvwd.org
Website : www.beaumontbasinwatermaster.org

To Whom It May Concern:

The Beaumont Basin Watermaster Board of Directors (Board) were presented with the production, storage, and imported water use quantities for the calendar year 2022, on February 1, 2023. Said quantities have been reported to the California Department of Water Resources Adjudicated Basins Annual Reporting System and include a total 2022 change in storage of -11,731 acft (Acre Feet) of water as part of this letter submittal.

The Beaumont Basin Watermaster has prepared a Draft 2022 Consolidated Annual Report (Annual Report) but said Draft Annual Report is still under review by the Board. A copy of the Annual Report will be uploaded to the California Department of Water Resources Adjudicated Basins Annual Reporting System when the Final draft has been approved by the Board.

For more information and to obtain a copy of the Beaumont Basin Watermaster meeting agendas and minutes please visit:

<http://www.beaumontbasinwatermaster.org>



Daniel K. Jagers
General Manager
Beaumont-Cherry Valley Water District

Attachment: February 1, 2023, Beaumont Basin Watermaster Agenda Pages 1-4

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=UnNZcC9TbGZzTGFMHdhVkRMbiczQT09>

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 Jaggars	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)).

BEAUMONT BASIN WATERMASTER MEMORANDUM NO. 23-07

Date: April 5, 2023

From: Hannibal Blandon, ALDA Inc.

Subject: 2022 Consolidated Annual Report and Engineering Report -
Presentation of Draft Report

Recommendation: For Information Purposes Only

ALDA Inc., in Association with Thomas Harder & Company, will make a formal presentation of the draft of the 2022 Beaumont Basin Consolidated Annual Report and Engineering Report. The presentation will include conditions of the basin including groundwater production, water levels, spreading, water transfers, and water quality conditions that occurred during CY 2022. In addition, the Operating Safe Yield estimate for CY 2022 will be presented.

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

Documented comments will be addressed at the June 2023 regular meeting.

The Draft 2022 Consolidated Annual Report is available online from the "Documents & Publications" section of the Beaumont Basin Watermaster website (www.beaumontbasinwatermaster.org)

Beaumont Basin Watermaster

2022 Consolidated Annual Report and Engineering Report

DRAFT

2022 Watermaster Board

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

George Jorritsma, South Mesa Water Company, **Vice Chairman**

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

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

Jeff Hart, City of Beaumont

Alvarado Smith, **Legal Counsel**

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

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

April 2023

ALDA Inc.

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

April 5th, 2023

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

Subject: **Beaumont Basin Watermaster
Draft Annual Report for Calendar Year 2023**

Dear Mr. Vela:

ALDA Inc., in association with Thomas Harder & Co. is pleased to submit to you, as Chairman of the Beaumont Basin Watermaster, a draft of the Beaumont Basin Watermaster Annual Report for Calendar Year 2022. This draft report summarizes all production, spreading, water rights issues, and storage activities that took place during Calendar Year 2022. Further, it documents changes in water levels and storage conditions, as well as an estimate of the Basin Operating Safe Yield for 2022.

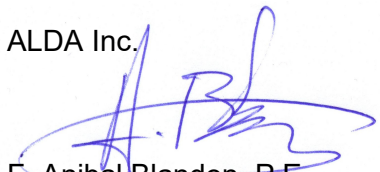
This draft report presents an evaluation of water quality conditions for all domestic wells in the basin during the 2018-2022 five-year period based on information obtained from the Groundwater Ambient Monitoring and Assessment Program. In addition, historical groundwater quality for both domestic and non-domestic wells obtained from the Maximum Benefit Monitoring Program is also included for your review and comment.

We will make a formal presentation to the Watermaster Committee during the upcoming Board meeting on April 5th, 2023. We welcome your review and comments on this report and look forward to answering any questions you may have.

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

Very truly yours

ALDA Inc.



F. Anibal Blandon, P.E.
Principal

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Abbreviations

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

Section 1

Background

The 2022 Consolidated Annual and Engineering Report of the Beaumont Basin Watermaster Committee (Watermaster) consolidates the information about the basin previously presented in Annual Reports with the information presented in the bi-annual Engineer's Report. This report documents activities in the Beaumont Basin for Calendar Year 2022. Section 3 of the original annual report has been expanded and retitled as "Status of the Basin and Administration of the Judgment"; it documents the Administration of the Judgment as well as provides a status of conditions in the basin addressing water production, water levels, recharge of supplemental water, water transfers, and storage activities. In addition, a Water Quality Conditions section, Section 4, has been added to document water quality of selected compounds at selected wells, as well as basin wide concentrations for the 2018-2022 five-year period.

1.1 History of the Beaumont Basin Stipulated Judgment

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

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

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

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

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

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

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

1.2 Essential Elements of the Judgment

Elements of the 2004 Judgment are as follows:

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

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

1.3 2022 Legal Rulings Relating to the Judgment

There were no legal rulings relating to the Judgment during CY 2022.

1.4 Watermaster Responsibilities

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

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

1.- Administer the Beaumont Basin Judgment. Watermaster operates under the Judgment and the Rules and Regulations, which were originally adopted June 8, 2004, and subsequently amended in 2006 and 2008. The Rules and Regulations were most recently amended in 2019. The Judgment and the Rules and Regulations establish the procedures by which Watermaster accounts for the water resources of the Basin. Watermaster has the power to collect administrative assessments from all Appropriators and replenishment assessments from those parties (Appropriative and Overlying) pumping in excess of their pumping right to fund its operations. Each year, Watermaster publishes an Annual Report, which documents groundwater production, recharge activities, water transfers between appropriators, transfers of water rights from an overlying member to an appropriator in the Beaumont Basin.

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

3.- Maintain and Improve Water Supply. On an annual basis, Watermaster determines the amount of groundwater that each producer is entitled to pump from the Basin without incurring a replenishment obligation. Further, Watermaster is responsible for facilitating and coordinating

the acquisition, recharge, and storage of imported water or other local supplemental water to replenish and/or conjunctively manage the Basin to increase local supplies.

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

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

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

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

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

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

1.5 Watermaster Address

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

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

1.6 Watermaster Website

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

1.7 Mission Statement

Watermaster adopted the following mission statement in October 2004:

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

Section 2

Watermaster Activities

2.1 Makeup of the Watermaster Committee

During the January 5, 2022 special meeting of the Beaumont Basin Watermaster, the current Watermaster Committee Officers were re-affirmed to their respective positions for 2022 as follows:

- ✓ Mr. Art Vela – Chairman
- ✓ Mr. George Jorritsma – Vice Chairman
- ✓ Mr. Dan Jaggars – Secretary
- ✓ Mr. Joseph Zoba – Treasurer

The Watermaster Representatives serving each Appropriative Party at the end of CY 2022 were as follows:

Agency	Representative	Alternate
City of Banning	Art Vela	Luis Cardenas
City of Beaumont	Jeff Hart	Robert Vestal
Beaumont Cherry Valley Water District	Daniel Jaggars	Mark Swanson
South Mesa Water Company	Vacant	Dave Armstrong
Yucaipa Valley Water District	Joseph Zoba	Jennifer Ares

Legal counsel during CY 2022 was provided by Alvarado Smith APC, represented by Keith McCullough and Thierry Montoya, while Engineering Services were provided by ALDA Inc., represented by Anibal Blandon, in association with Thomas Harder & Company, represented by Thomas Harder.

2.2 Watermaster Accomplishments and Activities During 2022

2.2.1 Watermaster Meetings

A total of six regular meetings were held during CY 2022 on the following dates:

- ✓ February 2, 2022
- ✓ June 1, 2022
- ✓ October 5, 2022
- ✓ April 13, 2022
- ✓ August 3, 2022
- ✓ December 7, 2022

In addition, there were two Special Meetings on January 5, 2022 and on March 10, 2022.

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

2.2.2 Watermaster Committee Resolutions

There were nine resolutions adopted by the Watermaster Committee during CY 2022. Signed official copies of these resolutions are included under Appendix A to this report. Resolutions adopted during CY 2022 are as follows:

- ✓ **Resolution No. 2022-01** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on January 5th, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-02** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on February 2nd, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-03** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on March 10th, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-04** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on April 13th, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-05** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on June 1st, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-06** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on August 3rd, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-07** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on October 5th, 2022 by unanimous vote.

- ✓ **Resolution No. 2022-08** – A Resolution of the Beaumont Basin Watermaster Authorizing Public Meetings to be held via Teleconferencing Pursuant to Government Code Section 54953E and Making Findings and Determinations Regarding Same. Resolution was adopted on December 7th, 2022 by unanimous vote.
- ✓ **Resolution No. 2022-09** – A Resolution of the Beaumont Basin Watermaster to Amend Section 3 of the Rules and Regulations of the Watermaster. Resolution was adopted on December 7th, 2022 by unanimous vote.

2.2.3 Items Discussed in 2022

This section is a summary of topics addressed at Watermaster meetings during CY 2022. The Beaumont Basin Watermaster maintains official meeting minutes that report the items discussed and actions taken during normal and special meetings. Signed official copies of the minutes for all the regular and special meetings that took place during the year are included in Appendix B. Official meeting minutes may also be accessed at the Beaumont Basin Watermaster website: www.beaumontbasinwatermaster.org

The following items were discussed during the six regular meetings and two special meetings held in CY 2022 along with their resulting outcome.

Items Discussed During the January 5th, 2022 Special Watermaster Committee Meeting

- ✓ ***Consideration of Resolution 2022-01 Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same.*** Member Jagers briefed the Committee on this resolution pursuant to AB 361. Counsel Montoya advised that the resolution was consistent with the Brown Act. Resolution was approved unanimously.
- ✓ ***Reorganization of the Beaumont Basin Watermaster Committee [Memorandum 22-01].*** The current Watermaster Committee Officers were re-affirmed to their respective positions for 2022. Motion was approved unanimously.
- ✓ ***Consideration of Special Meeting / Workshop [Memorandum 22-02].*** Member Jagers introduced the discussion and indicated the purpose of the special meeting to schedule a workshop and agreed that a framework to assist with decision making would be helpful. Member Hart offered to provide an outline and framework at the February meeting. Chair Vela indicated the potential for a Technical Advisory Committee to meet outside the Brown Act and present information to the Committee. After much discussion by the various members of the Committee, Chair Vela invited public comment with Mr. Eckhart (SGPWA) providing input. Discussion item was tabled by Chair Vela to the February 2nd, 2022 meeting.
- ✓ ***Authorize Preparation and Release of Request for Proposal for Annual Reporting Services [Memorandum 22-03].*** There was discussion of the need to go to bid for the services since the original bid was advertised in 2011. Member Jagger noted that Member Hart had a draft document and they need to meet to review. Member Hart also

noted there is a procurement policy to review. Chair Vela tasked the current ad hoc procurement policy committee with development of a Request for Proposal.

Items Discussed During the February 2, 2022 Regular Watermaster Committee Meeting

- ✓ *Consideration of Resolution 2022-02 Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same [Memorandum 22-05].* This resolution was adopted as part of the Consent Calendar of the agenda.
- ✓ *Consideration of Special Meeting / Workshop [Memorandum 22-06].* Member Hart introduced the framework for discussion. Member Ares indicated that topics for discussion would be most time consuming and she would hope it would be an in-person meeting. Member Jagers commented that he looks forward to robust dialogue to keep Watermaster approach fresh and current and make sure the region has an opportunity to be successful regarding the Beaumont Basin. After much discussion on the topic, the initial workshop was set for Thursday March 10, 2022.
- ✓ *Discussion of Regional Water Quality Control Board's questions regarding well monitoring/basin modeling procedures.* Watermaster Counsel Montoya reviewed the question from Ms. Sabin at the Regional Water Quality Control Board. Ms. Sabin indicated concern about contamination and water quality and contacted member Armstrong. Mr. Blandon explained the normal communications procedures when visiting monitoring wells and noted that a representative from the water agencies is always present. Member Jagers will create a draft document and Counsel Montoya will respond with a formal letter detailing procedures.

Items Discussed During the March 10, 2022 Special Watermaster Committee Meeting

- ✓ *Draft Groundwater Water Well Level Measuring Procedures and Review of Draft Response Letter to the Regional Water Quality Control Board [Memorandum 22-08].* Member Jagers indicated that in response to the Regional Board, he prepared a draft concept on how the procedure may fit with BBWM Rules and Regulations. Much discussion ensued on the details of the procedures including issues of minimum standards, applicability, consistency, and use of measuring devices. Members will provide comments to Member Jagers who would spearhead the effort to complete the policy. Mr. Blandon recommended GPS coordinates for all wells in the Basin to provide a good ground elevation basis.
- ✓ *Transfer of Water from San Geronio Pass Water Agency Storage Account to Beaumont-Cherry Valley Water District Storage Account [Memorandum 22-09].* Member Jagers requested memorialization of the transfer and noted the need for discussion on how to proceed moving forward and suggested a running total be kept. Mr. Eckhart (SGPWA) indicated that accounts have been adjusted; he further indicated that there are \$500 million in the budget to buy excess imported water, but there is none available. Mr. Blandon indicated that the transfer will be memorialized in 2022 annual report.

- ✓ *Workshop: Review of Watermaster Foundations and Setting of Goals and Objectives [Memorandum 22-10].* Member Hart suggested beginning with a higher-level examination of the topics to help define more detailed stages to tackle some of the items. Member Jaggers cautioned that smaller pieces must not be forgotten moving forward. He further indicated that there is much to be discussed and a strategy that serves the needs of the Watermaster is needed. Member Zoba suggested an RFP for a position that would be able to provide research, memorandums, and recommendations; others concurred. Mr. Harder suggested that it is important to have a clear understanding of needs, goals, and operation of the Basin before any technical issues are addressed. He recommended a formal action plan. Chair Vela continued the item to a future meeting.
- ✓ *Consideration of Engagement of Coordinator / Facilitator to lead future workshops.* Chair Vela indicated that this ties into the RFP to be produced. He continued the item to the next meeting.
- ✓ ***Items Discussed During the April 13, 2022 Regular Watermaster Committee Meeting***
 - ✓ *Alvarado Smith Request for Rate Increase [Memorandum 22-12].* Chair Vela introduced the item and noted the increase is reasonable. Motion to approve increase was approved on a 5-0 vote.
 - ✓ *Finalization of Return Flow Technical Memorandum [Memorandum 22-13].* Mr. Harder noted that in 2018 engineers were asked to come up with methodology and a draft report submitted in July 2018. A revised draft was produced in May 2021 addressing some minor comments. Chair Vela said that the document is in final form and suggested to approve unless there are additional comments or suggestions. The Return Flow Technical Memorandum was approved unanimously.
 - ✓ *2021 Consolidated Annual Report and Engineering Report – Presentation of Draft Report [Memorandum 22-14].* Mr. Bandon reviewed the annual report indicating that there were no resolutions adopted in 2021 and pointed to a new section in the report related to the YVWD filing of two motions to the court. He indicated that precipitation since 2010 has been significantly less than the 100-year average and noted that production by appropriators in 2021 was 17,904 ac-ft., 15.9 percent higher than the 2017-21 average. Production by overlies continues to decline as a percentage of total production from the basin. In 2021, overlies produced 2,034 ac-ft, slightly lower than the running five-year average. He explained that none of the overlies have reached their maximum allowable production.

Mr. Harder pointed to the operating safe yield and explained groundwater flow trends. He explained that there were negative changes throughout the Basin due to lower precipitation, an increase in production, and a decrease in artificial recharge. He estimated about a 9,500 ac-ft of negative storage change in the Basin in 2020-2021.

Mr. Bandon introduced the California Department of Public Health Groundwater Ambient Monitoring and Assessment Database (GAMA), which is a better tool to obtain water quality. He indicated that he was concerned about the lower number of water quality

entries in the database at 2,760 results. He discussed water quality and noted that no State or Federal standards were exceeded in 2021.

Mr. Bandon advised that he would produce a final report for approval at the June 2022 meeting and requested comments for inclusion in the final report.

- ✓ *Certification of Groundwater and Imported Water Use during Calendar Year 2021 [Memorandum 22-15].* Member Zoba moved to approve the certification. Certification was approved on a 5-0 vote.
- ✓ *Consideration of a Request for Proposals to Provide Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster [Memorandum 22-16].* Member Zoba reviewed the project timeline and requested direction from the Committee. A discussion ensued on evaluation and ranking of proposals, interviews, and participation by the agencies. Proposals will be send out by the City of Beaumont and returned via the portal. Motion to approve the request of proposal was approved unanimously.
- ✓ *Independent Accountant's Financial Report on Agreed-Upon Procedures for the Beaumont Basin Watermaster [Memorandum 22-17].* Member Zoba advised that Rogers, Anderson, Malody and Scott (RAMS) conducted the independent auditor's review for FY 2021. A motion to receive and file the report was approved on a 5-0 vote.
- ✓ *Consideration of the Watermaster Budget for Fiscal Year 2022-23 [Memorandum 22-18].* Member Zoba explained the practice of billing out any additional cost via invoice and indicated that next year the budget may be amended to scale back to define only the administrative costs. He noted that most expenses will be issued by task order and invoiced out separately. After some discussion, the proposed budget for 2022-23 was approved unanimously.
- ✓ *Financial Status Report [Memorandum 22-19].* Member Zoba presented the monthly report for information purposes only; no action required.

Items Discussed During the June 1, 2022 Regular Watermaster Committee Meeting

- ✓ *2021 Consolidated Annual Report and Engineering Report Draft – Response to Comments [Memorandum 22-21].* Mr. Bandon reported that comments were received from the City of Banning, BCVWD, YVWD and Legal Counsel Montoya. The City of Banning indicated that the San Gorgonio Pass Water Agency's transfers to the City of Banning and BCVWD should be included in the 2021 annual report.

YVWD reported that some of the groundwater production provided for the construction of two warehouses along Cherry Valley Boulevard was not properly reported. Mr. Bandon presented the changes made to a number of tables in the report accounting for all groundwater production.

BCVWD provided minor editorial comments while Legal Counsel Montoya suggested a change of title for Section 1.3.

Mr. Blandon reported Beaumont Basin Watermaster final expenses for 2021 at \$108,982.59 and documented the budget for FY 2021-22 at \$246,700.00.

A motion was introduced to approve the 2021 Consolidated Annual Report and Engineering Report with the incorporation of comments stated. Motion was approved on a 5-0 vote.

- ✓ *Consideration of a Response to Request for Proposals from Dudek to Provide Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster [Memorandum 22-22].* Member Hart provided a brief history of the RFP and indicated that a single proposal from Dudek was received. He noted that Dudek has a good working knowledge of the region and has worked on various projects in the area. Members Zoba and Armstrong noted their good experience with Dudek in the Yucaipa Basin. Chair Vela lamented that there were no other proposals and invited public comment, none were received. A motion was introduced to approve the contract with Dudek, the motion passed on a 5-0 vote.
- ✓ *Well Level Measuring Procedures and Review of Draft Response Letter to the Regional Water Quality Control Board [Memorandum 22-23].* Mr. Swanson reminded the Committee that Member Jaggars had circulated the draft protocols, but no comments have been received. Member Zoba asked that the subject of technology for well level measurement be addressed, requested additional time for review and suggested obtaining input from SGPWA. Chair Vela tabled the item.
- ✓ *Consideration of a Request for Proposals to Provide Engineering Services to the Beaumont Basin Watermaster [Memorandum 22-24].* Member Hart reminded the Board of previous discussions, clarified the timeline and scoring summary and noted that multiple firms may be considered; he suggested an initial three-year contract with two one-year extensions. After much discussion on the timeline, consensus was to move forward and target October for decision making and December approval. A motion to approve the RFP, subject to clarifications, was approved on a 5-0 vote.

Items Discussed During the August 3, 2022 Regular Watermaster Committee Meeting

- ✓ *Introduction to Dudek, and Discussion and Prioritization of Assignments.* Chair Vela introduced Steven Stuart of Dudek and pointed to the Topics for Future Meetings as the initial point of discussion. Member Jaggars suggested the role of Dudek will be to move forward some of the projects as an extension of Watermaster.

Some of the assignments that the Committed tasked Dudek included a) RFP for engineering services, b) Groundwater Water Well Level Measuring Procedures, c) Procurement policy, d) Coordinator / Facilitator for future workshops, e) evaluation of storage issues in the basin, f) Recycled water policy, and g) Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management.

Items Discussed During the October 5, 2022 Regular Watermaster Committee Meeting

- ✓ *Consideration of Proposals and Award of Contract to Provide Professional Engineering Services to the Beaumont Basin Watermaster [Memorandum 22-27].* Member Hart reported that the RFP was released on August 4, 2022 and one response was received from Thomas Harder and Company. He further indicated that the cost seems fair and is tantamount to historical costs given an increase related to determination of the safe yield. Member Jaggars thanked Mr. Harder and Mr. Blandon for submitting a proposal and noted their work today has aligned with the Watermaster activities. Motion to award the contract was approved on a 5-0 vote.
- ✓ *Draft Groundwater Water Well Level Measuring Procedures [Memorandum No. 22-28].* Member Jaggars advised that Mr. Stuart had looked at the procedures, provided comments, and added value. He added that the effort is to formalize procedures on behalf of the Watermaster to have repeatability and to provide some assured guidance that things are done consistently. He suggested that a final step would be to prepare a resolution to adopt the proposed changes to the Rules and Regulations. Chair Vela expressed that city staff is comfortable with the procedures and requirements. Member Zoba acknowledged that additional monitoring is needed around the Basin, specially on the west side.

Items Discussed During the December 7, 2022 Regular Watermaster Committee Meeting

- ✓ *Consideration of Resolution 2022-09 to Amend Section 3 of the Rules and Regulations of the Watermaster adding Groundwater Level Measuring and Reporting Procedures. [Memorandum 22-30].* Mr. Stuart reported that no comments on the draft report have been received and presented the document for consideration as an amendment to the Rules and Regulations under Section 3. Member Jaggars indicated that he was supportive of the changes but recommended reviewing all previous resolutions making amendments. The resolution was approved on a 5-0 vote.
- ✓ *Letter of Support for Beaumont-Cherry Valley Water District's Urban Community Drought Grant Application [Memorandum 22-31].* Member Jaggars 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. A motion to support BCVWD was introduced and approved on an unanimous vote.
- ✓ *Meeting Teleconferencing Procedures [Memorandum 22-32].* Member Jaggars explained the changes in law relating 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 and provided details on available options. Member Zoba recommended reverting to the regular Brown Act methodology. A motion to return to original Brown Act procedures for meeting attendance in person while continuing remote participation was approved on a 5-0 vote.
- ✓ *Task Order No. 2 for Groundwater Level Monitoring Services for 2023 [Memorandum 22-33].* Mr. Harder discussed the proposal to continue groundwater monitoring activities by

ALDA Inc. Member Zoba recommended future discussion on setting up a database to make the information available in real time online. Mr. Harder advised that even if automated, this activity would not go away completely. Task Order No. 2 was approved on a 5-0 vote.

2.2.4 Redetermination of Safe Yield

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

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

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

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

More recently, at the October 5, 2022, the Watermaster Committee awarded a contract to Thomas Harder and Company to provide technical support services to the Watermaster over a three-year period beginning in 2023. One of the initial tasks to be conducted as part of this new contract is the re-evaluation of the Safe Yield of the basin. This study, anticipated to be completed in 2023, will be documented in the 2023 Consolidated Annual Report and Engineering Report of the Beaumont Basin Watermaster in early 2024.

2.3 Storage Applications and Agreements

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

An application for a storage agreement was received by the Watermaster from the San Geronio Pass Water Agency (SGPWA) in mid-2010 and brought for discussion at the

summer of 2012. The initial application was rejected because it was determined to be incomplete.

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

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

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

As of December 31, 2022, the total storage allowed stands at 290,000 ac-ft; storage limits by participant are presented below. Amounts of water in storage by participant are discussed under Section 3.

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

2.4 Rules and Regulations

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

Overlying Parties in subsequent years. The initial allocation to take place on or after February 4, 2009.

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

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

The latest change to the Rules and Regulations came under Resolution 2022-09, adopted on December 7, 2022, by which the Beaumont Basin Watermaster amended Section 3 of the Rules and Regulations. Under this resolution, the Watermaster desires to establish groundwater level measuring and reporting procedures that provide a foundation for the collection and reporting of groundwater level data that is accurate and consistent between all owners of wells included in the Beaumont Basin monitoring well network. In addition, a methodology for communicating with private well owners and documenting requests to access their wells is provided under the resolution. A new Section 3.3 entitled "Groundwater Level Measuring and Reporting Procedures" along with a new Form 9 entitled "Water Level Field Form" have been included under the revised Rules and Regulations. The latest amended Rules and Regulations and included under Appendix C of this report. A copy of Resolution 2022-09 is included in Appendix A.

2.5 Active Party List

Part VII, Paragraph 1 of the Judgment, indicates that Watermaster shall maintain an updated list of parties to whom notices are to be sent for service. Said list should include names, addresses for the Parties or their successors. A copy of the list has been included with this annual report as Appendix D.

2.6 Financial Management

The Watermaster must develop and administer a budget for all administrative, operational, and capital costs it incurs. The following discussion summarizes the budget established for the Fiscal Year 2022 operations.

2.6.1 Budget

The budget for Fiscal Year 2019-20 and 2020-21 were initially approved at the Feb 5, 2020 Watermaster Committee meeting under Memorandum 20-02. The FY 2020-21 was for the amount of \$246,600.00. The budget for Fiscal Year 2021-22 was approved at the April 6,

2021 Watermaster Committee meeting under Memorandum 21-19. The approved budget provided funding for administrative expenses in the amount of \$246,700.00, an increase of \$100.00 over the FY 2020-21 budget. The approved FY 2021-22 budget did not include any funds for Special Projects.

The following table presents a comparison between the final expenses for FY 2020-2 and for FY 2021-22, as well as the approved budget for FY 2022-23. Final expenses for FY 2021-22 were less than half of the approved budget of \$246,700.00.

<i>Operating Expense</i>	<i>FY 2020-21 Final Expenses</i>	<i>FY 2021-22 Final Expenses</i>	<i>FY 2022-23 Approved Budget</i>
<u>Administrative Expenses</u>			
Bank Fees and Interest	\$ -20.06	\$ 14.00	\$ 50.00
Miscellaneous and Meetings	\$ 0.00	\$ 0.00	\$ 250.00
Acquisition/computation & Annual Report	\$ 25,475.00	\$ 50,615.00	\$ 110,000.00
Annual Audit	\$ 1,360.00	\$ 0.00	\$ 1,500.00
Engineering Services	\$ 30,287.50	\$ 17,515.00	\$ 50,000.00
Monitoring and Data Acquisition	\$ 32,377.50	\$ 4,899.00	\$ 50,000.00
Meter Installation and Repair	\$ 0.00	\$ 0.00	\$ 0.00
Legal Expenses	\$ 19,502.65	\$ 38,186.00	\$ 25,000.00
Reserve Funding	\$ 0.00	\$ 0.00	\$ 10,000.00
	\$ 108,982.59	\$ 111,229.00	\$ 246,800.00
<u>Special Project Expenses</u>			
Engineering	\$ 0.00	\$ 0.00	\$ 0.00
Litigation	\$ 0.00	\$ 0.00	\$ 0.00
	\$ 0.00	\$ 0.00	\$ 0.00
Total Operating Expense	\$ 108,982.59	\$ 111,229.00	\$ 246,800.00

2.6.2 Financial Audit

The Beaumont Basin Watermaster has a financial audit performed annually on a fiscal year basis. The audit assists in properly accounting for the revenues and expenses of the Watermaster and tracking the financial resources of the agency. The detailed audit report for FY 2022, dated June 30, 2022, prepared by Rogers, Anderson, Malody, and Scott, LLP, is included under Appendix E.

Section 3

Status of the Basin and Administration of the Judgment

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

Through the adoption of Resolution No. 2011-01, on September 21, 2011, Watermaster changed the accounting from a fiscal year basis to a calendar year basis starting in CY 2011. The conversion of Fiscal Year basis to Calendar Year basis was documented in the Annual Report for CY 2011 adopted by the Committee in early 2013. The annual report for CY 2022 builds on the information presented in previous annual reports.

3.1 Climate, Hydrology and Hydrogeology

3.1.1 Climate

The Beaumont Basin is located in a semi-arid region characterized by warm summers and mild winters with average summer high temperatures in the mid to upper 90s (Fahrenheit) and average winter low temperatures in the mid to low 40s. Precipitation in the region occurs as snowfall in the upper elevations of the San Bernardino Mountains to the north and rainfall in the Basin. Annual precipitation in the Beaumont Basin, as recorded at the County of Riverside's Beaumont Station 013, averaged 16.68 inches over the 100-year period between 1923 and 2022. On the average during this 100-year period, 11.63 inches of precipitation, or 69.7 percent of total, fell during the winter months between December and March. Over the last 25 years (1998-2022), precipitation has averaged 13.40 inches of rain which is approximately 80 percent of the 100-year average precipitation. Precipitation during CY 2022 at Station 13 was 6.79 inches, the second lowest recorded annual rainfall at this station since records began in 1889. The lowest rainfall at this station was recorded in 1999 when 6.30 inches of rain were recorded. Annual precipitation in 2022 represents 41 percent of the 100-year average and 51 percent of the 25-year average.

Figure 3-1 illustrates annual precipitation at Station 13 for the 25-year reporting period between 1998 and 2022 including a plot of the cumulative departure from the mean (CDFM) precipitation. This parameter is used to assess the occurrence, duration, and extent of wet and dry precipitation cycles. Upper trending periods in the graph represent periods with above average precipitation such as the 2003-05 period; average precipitation during this period was 19.94 inches or close to 18 percent above the long-term average. Conversely, down trending periods indicate below average precipitation as in the 2011-18 period when average precipitation was only 11.23 inches or approximately 67 percent of the 100-year average.

Notwithstanding the significantly above average precipitation recorded in 2010 (24.85 inches) and in 2019 (23.34 inches), the Basin has been in a dry period that began in 1999. During this

period, precipitation in seven of these years has been below 10 inches per year. In addition, the lowest and second lowest precipitation years ever recorded occurred since 1999.

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

3.1.2 Surface Water Hydrology

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

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

3.1.3 Hydrogeology

3.1.3.1 Regional Geologic Context

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

3.1.3.2 Faults

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

3.1.3.3 Groundwater Occurrence and Flow

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

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

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

Groundwater discharges from the Beaumont Basin primarily occur from:

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

3.2 Production

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

3.2.1 Appropriative Party Production

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

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

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

Monthly production for the last five years of operation (CY 2018-22) are presented in a series of tables starting with Table 3-1A for CY 2018 and continuing on an annual basis through Table 3-1E for CY 2022. It should be noted that all production by Appropriators is currently being metered; however, no information is available as to the accuracy of existing meters.

During CY 2022, Appropriators pumped a combined amount of 17,345.30 ac-ft of groundwater from the Beaumont Basin (See Table 3-1E). Production for CY 2022 was 627 ac-ft less than the previous year and it represents the second highest production ever recorded from the Basin by Appropriators. Compared to the five-year average of 16,238 ac-aft per year, production during CY 2022 was 6.8 percent higher than this average.

With the exception of SMWC, production by all agencies in CY 2022 was lower than in CY 2021. Overall, appropriative production decreased by 3.5 percent between these two years. The City of Banning and BCVWD produced two percent and 0.9 percent respectively less than in 2021 while YVWD significantly reduced production by over 44 percent. SMWC increased production by approximately 23 percent over CY 2021.

In mid-2021, YVWD notified Watermaster that they will be using an old irrigation well, known as the Calimesa Irrigation Well, to provide construction water to an industrial development north of Cherry Valley Blvd. Production from this well, now known as the I-10 Logistics well, continued over the first quarter of 2022 and it is listed in Table 3-1E. Upon finalization of this short-term project, the operations of this well will be reverted back to its owner, Cherry Valley Recreation and Park District, for their use. The location of this well is depicted in Figure 3-3.

3.2.2 Overlying Party Production

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

Currently, there are 17 Overlying Producers in the Basin pumping from 21 groundwater wells. All active wells operated by the larger producers are metered. Meters were installed by individual owners or as part of an effort initiated by Watermaster in 2013 to obtain a closer production accounting from Overlying Parties. Production from metered wells represented over 99 percent of the total production by Overlying Parties in CY 2022.

The remaining wells, operated by smaller producers, did not have meters for some or most of 2022 and their production is estimated using the water duty method. This method was initially proposed by Wildermuth Environmental Inc. (WEI), during the preparation of the 2005-06 Annual Report. After being accepted by the Committee, an updated water duty method was developed by WEI and it has been used since. The estimate of unmetered production for the CY 2022 Annual Report uses the updated method as detailed in Appendix F.

Similar to the production reported for the Appropriators, a series of tables were developed to report monthly and annual production from the Overlying Parties on a calendar year basis. Starting with Table 3-2A, monthly production by overlying well is documented for CY 2018. In a similar manner, Tables 3-2B through 3-2E summarize monthly overlying production for CY 2019 through CY 2022, respectively. In addition, these tables show their share of the Safe Yield and the amount of unused water for each Overlying Party.

Groundwater production by Tukwet Canyon wells for CY 2021 has been revised down based on new information provided by this overlying. Annual production for California Oak Valley Golf and Resort has also been adjusted down for CY 2021. Minor adjustments, totaling 0.2 ac-ft in groundwater production for a number of small producers, calculated using the Water Duty method, were also made. Overall, Overlying production during CY 2021 was adjusted down from a previously reported 2,034.10 ac-ft to 1,966.40 ac-ft., a reduction of 67.70 ac-ft.

During CY 2022, Overlying Producers produced an estimated 2,134.60 ac-ft, 168.30 ac-ft higher than the adjusted production for CY 2021. Compared to the 2018-22 five year average of 2,001.20 ac-ft, production in CY 2022 was 6.7 percent higher.

3.2.3 2003-2022 Annual Production Summary

Annual production for all appropriators and overlying parties since 2003 is summarized in Table 3-3A on a calendar year basis for the 2003 to 2011 calendar years and Table 3-3B for CY 2012 through CY 2022. It should be noted that production from 2003 only includes production for the second half of the year. Since July 2003, a total of 320,209 ac-ft has been pumped from the Beaumont Basin; an estimated 84.7 percent of this total has been pumped by appropriators. The percentage of groundwater production from appropriators has steadily increased since the Judgment inception from a low of 74.3 percent registered in CY 2003 to a temporary high of 87.2 percent recorded in CY 2014. Production by appropriators reached an all-time high of 90.1 percent in CY 2021, based on the revised numbers for that year. Over the last five years, production by appropriators has averaged 87.3 percent of total extractions.

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

3.3 Groundwater Recharge

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

3.3.1 State Water Project Water Recharge

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

BCVWD began taking deliveries of imported water for groundwater recharge in the Fall of 2006 when 3,501 ac-ft were spread pursuant to the storage and recharge agreement on file with Watermaster. Deliveries of imported water for BCVWD increased over the next five years peaking in CY 2011 at 7,979 ac-ft and declining through 2015 to low of 2,773 ac-ft. From CY 2017 through CY 2020, BCVWD spread over 10,000 ac-ft per year; however, spreading in CY 2021 decreased to a low of 2,468 ac-ft and in CY 2022 to an all-time low of 1,776.0 ac-ft. The significant reduction in imported water for groundwater recharge in the last two years has been primarily related to the lack of available water from the State Water Project. In total, a total of 113,136 ac-ft of imported water have been spread on behalf of BCVWD since CY 2006 (See Table 3-4).

The City of Banning began purchasing imported water for recharge at BCVWD's NCRF in July 2008 and has since recharged 13,977.2 ac-ft. in accordance with their storage agreement on file with Watermaster. During CY 2012 and 2013, Banning spread an average of 100 ac-ft per month; spreading in CY 2014 and 2015 was reduced to approximately half of that amount. However, spreading in CY 2016 and 2017 increased significantly to 1,477 ac-ft and 1,350 ac-ft, respectively. In CY 2019 and again in CY 2020, the City of Banning spread only 250 ac-ft of imported water per year while no spreading took place in CY 2021. In CY 2022, the City of Banning spread only 35 ac-ft.

In addition to imported water deliveries to BCVWD and the City of Banning at BCVWD's NCRF, SGPWA has also delivered significant quantities of imported water at the Little San Geronio Creek Spreading Ponds. These spreading ponds are located outside the adjudicated

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

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

Under Resolution 17-01, adopted on June 7, 2017, SGPWA entered into a storage agreement with the Beaumont Basin Watermaster to spread up to 10,000 ac-ft of imported water in the Beaumont Basin subject to certain conditions. Starting in CY 2019, SGPWA began spreading imported water at their new facilities on Brookside Avenue and has spread a total of 508.4 ac-ft at this new location including 36 ac-ft spread in CY 2021 and 0.6 ac-ft in CY 2022. No spreading by SGPWA has taken place at the Little San Geronio Creek Spreading Ponds since CY 2016.

3.3.2 Treated Wastewater Recharge

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

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

Treated wastewater discharges from this plant peaked during CY 2020 at 4,305 ac-ft (3.83 mgd). Discharges have declined over the last two years with annual discharges in CY 2021 at 4,148 ac-ft and 3,936 ac-ft in CY 2022. Despite the increase residential construction tributary to this plant over the last few years, according to City staff, the decrease in average and annual discharges may be related to COVID related events as residents stayed in their homes during the pandemic.

Monthly discharges at DP-001 varied slightly in CY 2022 from a low 3.17 mgd in December to a high of 3.68 mgd in September; the average for the year was 3.51 mgd. Monthly treated wastewater discharges by the City of Beaumont since 2007 are summarized in Table 3-5.

3.3.3 New Yield Stormwater Recharge

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

3.4 Water Transfers and Adjustments of Rights

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

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

According to Part VI, Administration, Paragraph 5Y of the Judgment, the Safe Yield of the Beaumont Basin shall be re-determined at least every 10 years after the date of entry of the Judgment, February 4, 2004. In 2015 the Safe Yield of the Beaumont Basin was re-determined and estimated at 6,700 ac-ft/yr. This amount represents a 22.54 percent reduction from the previous estimate of 8,650 ac-ft/yr. Table 3-6 presents the initial and revised production rights from individual Overlying producers and compares them against actual groundwater production during the 2018-22 five-year period for each user. Annual average groundwater production during this period for all Overlying producers combined was estimated at 2,001.20 ac-ft/yr; representing approximately 29.8 percent of the revised Safe Yield. Individually, none of the Overlying producers produced more than their allowable production rights during this five-year period; Sharondale Mesa Owner Association averaged the highest percentage of their respective allocation at 74.7 percent followed by California Oak Valley Golf and Resort LLC at 74.2 percent. Plantation on the Lake and Tukwet Canyon Golf Course followed at 63.2 percent and 59.3 percent respectively. All other overlayers were below 30 percent of their allocation.

3.4.1 Transfers between Appropriators

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

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

No water transfers between Appropriators were reported during CY 2022.

3.4.2 Transfers from SGPWA

In CY 2021, SGPWA transferred a total of 507.8 ac-ft from its storage account to Appropriators. Of this amount, 60 ac-ft were transferred to the City of Banning and the remaining 447.8 ac-ft to the BCVWD. These transfers depleted SGPWA's storage account.

No water transfers from SGPWA to Appropriators were reported during CY 2022.

3.4.3 Transfers of Overlying Rights for Service by an Appropriator

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

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

Under Resolution 17-02, adopted on August 30, 2017, Oak Valley Partners L.P. ("OVP") agreed to transfer its Overlying water rights to particular development parcels, intending to secure commitments from YVWD to provide water services to development phases of OVP's Summerwind Ranch Specific Plan (Project), located in the Beaumont Basin. The Stipulated Judgment allocated OVP an Overlying production right of 1,806 ac-ft based on the initial Safe Yield of 8,650 ac-ft/yr. OVPs rights have been adjusted to 1,398.86 ac-ft based on the

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

In CY 2018, Oak Valley Partners transferred a combined total of 180.4 ac-ft in Overlying rights to YVWD upon YVWD's water service commitments to serve certain Project parcels in the Beaumont Basin. In a similar manner, an additional 2.65 ac-ft of former OVP's Overlying rights were transferred to YVWD in early 2019 for a combined total of 183.05 ac-ft. There have been no transfers of Overlying rights from OVP to YVWD since CY 2020.

The transfer of the above amount reduced OVP's Overlying rights to 1,215.81 ac-ft/yr for 2022. In the future OVP's rights will remain at this level or adjusted down as additional rights are transferred to YVWD. Starting in 2018, YVWD is free to use its Appropriative rights, as denoted above, by either pumping from the basin, transferring to other Appropriators, or adding to its storage account.

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

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

3.4.4 Allocation of Unused Overlying Water

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

Since the inception of the Judgment, transfers of unused production by Overlying Users have been made on a fiscal year basis coinciding with the preparation of the annual report. Preparing the annual report on a calendar year basis required that the transfers of unused production also be made on the same basis. Based on the five-year format used in the Rules and Regulations, transfers to the Appropriator Parties for CY 2022 were based on unused production from Overlying Users in CY 2017. This required the recalculation of Overlying Users production, back to July 2003, on a calendar year basis. Under this format, unused production from the second half of 2003, with adjusted water rights for half of the year, was allocated to Appropriators for CY 2008. Table 3-7 summarizes the volume of unused Overlying water for CY 2003 through CY 2022. While groundwater production by Overlying Users has decreased by over 45 percent since 2004, the volume of unused overlying water has correspondingly increased from 5,053 ac-ft/yr in CY 2006 to a maximum of 6,679 ac-ft during CY 2011. The amount of unused production decreased starting in CY 2014 as a result of reduced Overlying allocations resulting from the new basin Safe Yield of 6,700 ac-ft/yr.

Table 3-7 presents the allocation of unused Overlying water to each Appropriator based on their share of the Safe Yield and the schedule set forth under Section 7.3 of the Rules and Regulations, as replaced under Resolution 2019-02. It should be noted that this schedule has been modified to reflect a calendar year basis for allocation. Under the modified schedule, unused Overlying production in CY 2017, estimated at 4,296 ac-ft, is allocated to Appropriators during CY 2022. Unused Overlying production during CY 2022, adjusted by reductions on OVP's rights, is estimated at 4,382 ac-ft. This amount would be allocated to Appropriators during CY 2027.

3.5 Storage Accounting

Section 6.7 of the Watermaster Rules and Regulations indicates that Watermaster shall calculate additions, extractions, and losses of all water stored and any losses of water supplies or Safe Yield resulting from such water stored. This section further indicates that Watermaster shall keep and maintain for public record an annual accounting thereof. While additions (spreading) and extractions (pumping) are easily quantifiable, losses from storage are more difficult to estimate. The completion of the "Beaumont Basin Storage Loss Analysis" in September 2018 estimates storage losses under various spreading scenarios; however, Watermaster has not developed a methodology to adjust storage accounts and their corresponding losses.

3.5.1 Annual Storage Consolidation

Consistent with the new reporting format to document extractions, spreading and other groundwater activities on a calendar year basis, Table 3-8 represents the consolidation of each Appropriator's storage account from CY 2003 through CY 2022. This table includes annual production by Appropriator, their share of Temporary Surplus, Appropriative rights, supplemental water recharge in its various forms, transfers between Appropriators, potable deliveries to parcels previously owned by Overlying Users, transfers of unused water from Overlying Users, and transfers among Appropriators and SGPWA. At the end of 2021, an overall total of 107,011.00 ac-ft of water were stored in the Basin for future use; this total decreased in CY 2022 by 11,054.50 ac-ft to a cumulative total of 95,956.40 ac-ft. Despite of

the expiration of the Temporary Surplus allocation at the end of CY 2013 and the relatively lack of imported water for spreading in the last two years, the amount of water in storage at the end of CY 2022 is only 4,856.30 lower than in CY 2013. The amount of water in storage by party at the beginning and end of CY 2022 is presented below. Figure 3-5 compares the amount of water in storage to the storage limit for each party with storage accounts. Figure 3-6 presents storage totals by agency for the most recent 10-year period.

Agency / Party to the Judgment	Calendar Year 2022 (ac-ft)		
	Beginning	Ending	Change
City of Banning	48,778.1	46,569.7	-2,208.4
BCVWD	32,081.0	23,192.9	-8,888.1
City of Beaumont	0.0	0.0	0.0
South Mesa Water Company	10,262.7	10,224.1	-38.5
Yucaipa Valley Water District	15,889.2	15,969.1	79.9
Morongo Band of Mission Indians	0.0	0.0	0.0
San Geronio Pass Water Agency	0.0	0.6	0.6
TOTAL in Storage	107,011.0	95,956.4	-11,054.5

3.6 Groundwater Level Monitoring Program

A groundwater level monitoring program was initiated in 2015 to collect water levels throughout the basin using dedicated monitoring wells. Selected monitoring wells were equipped with a water level probe attached to a communications cable. The probe collects water level information on an hourly basis; collected data is downloaded from the probes every two months and a report is prepared for the Watermaster Committee at each regular meeting.

At the present time, there are 15 monitoring wells equipped with water level probes as depicted in Figure 3-7. In addition, there are two monitoring probes collecting barometric pressures at opposite ends of the Beaumont Basin. During regular visits to the monitoring sites, the depth to water is measured using a water level meter according to the guidelines established in the recently adopted Rules and Regulations (Dec 2022).

Collected information is used to evaluate groundwater levels in the basin as documented in Section 3.7 of this report.

3.7 Changes in Groundwater Levels in the Beaumont Basin

3.7.1 Analysis of Groundwater Level Changes

Changes in groundwater flow and groundwater levels between 2021 and 2022 were evaluated based on measured data in dedicated monitoring wells and static measurements at active production wells located throughout the Beaumont Basin. Separate groundwater level contour maps were created for December 2021 and December 2022 to evaluate changes in groundwater flow patterns and basin-wide changes in groundwater levels over the time period. The manual generated groundwater contour maps for 2021 and 2022 are shown on Figures 3-8 and 3-9, respectively.

Groundwater flow direction and gradient within the Beaumont Basin varies depending on location. In the west central portion of the basin (immediately west of the Beaumont Plains Fault Zone), groundwater generally flows to the north from the lowest reach of Noble Creek. Further to the west near Calimesa, the groundwater flow direction becomes westerly and then southwesterly toward San Timoteo Wash. In the eastern part of the basin, groundwater flows to the southeast towards the City of Banning. The groundwater flow directions did not change significantly between 2021 and 2022.

Basin-wide groundwater level trends in the Beaumont Basin were evaluated based on hydrographs from eight key wells and the groundwater level change map developed by subtracting the 2021 groundwater surface from the 2022 groundwater surface (see Figures 3-10 and 3-11). In the west central portion of the basin (BCVWD 29) groundwater levels are highly variable and likely influenced by groundwater pumping. As judged by the highest peaks in the hydrograph, the overall groundwater level trend at this well has been relatively stable between December 2021 and December 2022.

In the northwest portion of the basin (YVWD 34 and Singleton Ranch 7), groundwater levels have shown a downward trend since the summer of 2019. At YVWD 34, the water level has declined 18 feet to the current elevation of 2,124 ft. A four feet decline has been measured at this well between December 2021 and December 2022 (see Figure 3-9). At Tukwet Canyon Golf Club C, although groundwater levels had been steadily declining between 2003 and 2019, they were relatively stable between December 2021 and December 2022.

Groundwater levels in the north central portion of the basin showed general declines in the range of -10 to -26 feet with the largest declines in the vicinity of the Noble Creek Artificial Recharge Facility (see Figure 3-10).

In the south-central portion of the basin, groundwater levels at Oak Valley No. 1 are highly variable and likely influenced by groundwater pumping. As judged by the highest peak in the hydrograph, the overall groundwater level trend at this well has been declining between December 2021 and December 2022. At BCVWD 2, groundwater levels showed a decrease of approximately 2 feet between December 2021 and December 2022. At Banning Well C-4 (southeast Beaumont Basin), the overall groundwater level trend has been downward between

December 2021 and December 2022. However, groundwater levels in other southeast area wells have risen slightly over the same period.

Groundwater levels in the northeast portion of the basin (USGS Highland Springs Monitoring Well) dropped by approximately six feet between December 2021 and December 2022.

3.7.2 Analysis of Change in Groundwater Storage

Basin-wide change in groundwater storage between December 2021 and December 2022 was analyzed as a function of the difference in groundwater levels across the basin and the specific yield of the aquifer sediments. Specific yield values were obtained from the calibrated groundwater flow model of the Beaumont Basin (TH&Co, 2015). Groundwater level change across the basin was analyzed using the following procedure:

- ✓ The December 2021 and 2022 hand-generated groundwater contour maps were each converted into three-dimensional raster surfaces.
- ✓ The basin was discretized into 100-ft by 100-ft grid cells.
- ✓ Attributes were assigned to each saturated grid cell including groundwater level change and specific yield.
- ✓ The resulting attribute table was processed in a Geographic Information System (GIS) for calculating the change in storage.

Results of the analysis show an overall decrease in groundwater storage within the adjudicated basin of approximately 10,601 ac-ft during this one-year period. This decrease is likely associated with below-normal precipitation during the time period and reductions in imported deliveries to the Noble Creek Recharge Facilities, relatively to previous years.

3.8 Operating Safe Yield

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

Operating Safe Yield is estimated based on the following equation:

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

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

Total Beaumont Basin groundwater production in calendar year 2022 was 19,480 ac-ft (see Table 3-3B). Total artificial recharge in calendar year 2022 was 1,812 ac-ft (see Table 3-4). It is noted that only the Noble Creek Recharge Facility recharge was used in the analysis of OSY (recharge at the Little San Geronio Creek facility, if any, is not included because it is outside the adjudicated area). The change in groundwater storage estimate is based on the analysis of groundwater levels described earlier. The period of time over which the OSY is evaluated is one year. The resulting OSY is estimated as:

$$\text{OSY} = \frac{19,480 + (-10,601) - 1,812}{1} = 7,067 \text{ ac-ft}$$

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

3.9 Recommendations

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

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

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

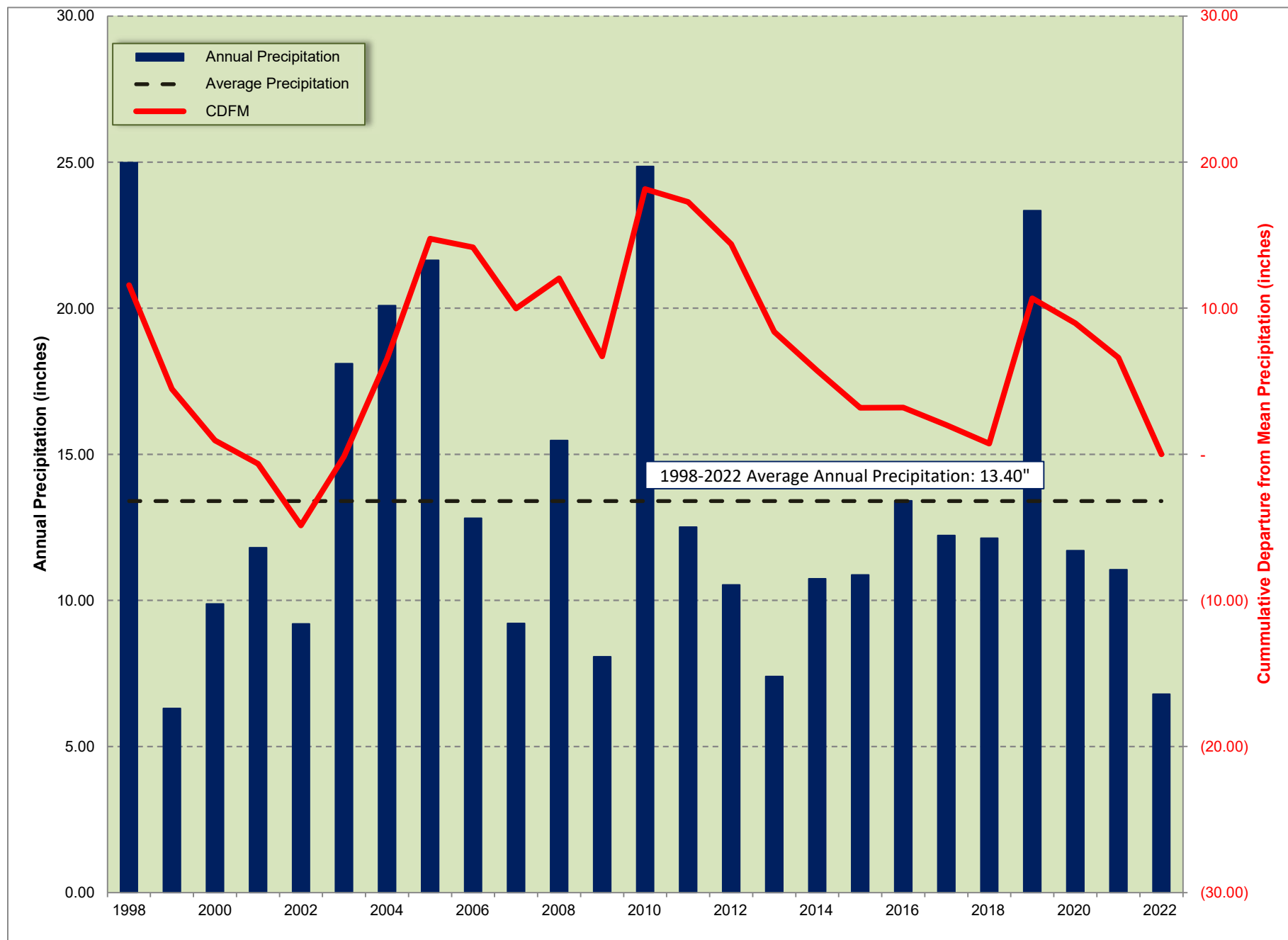
- ✓ Developing a methodology to account for new yield from capturing local stormwater in the basin, and
- ✓ Developing a methodology to account for recycled water recharge in the basin.

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

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

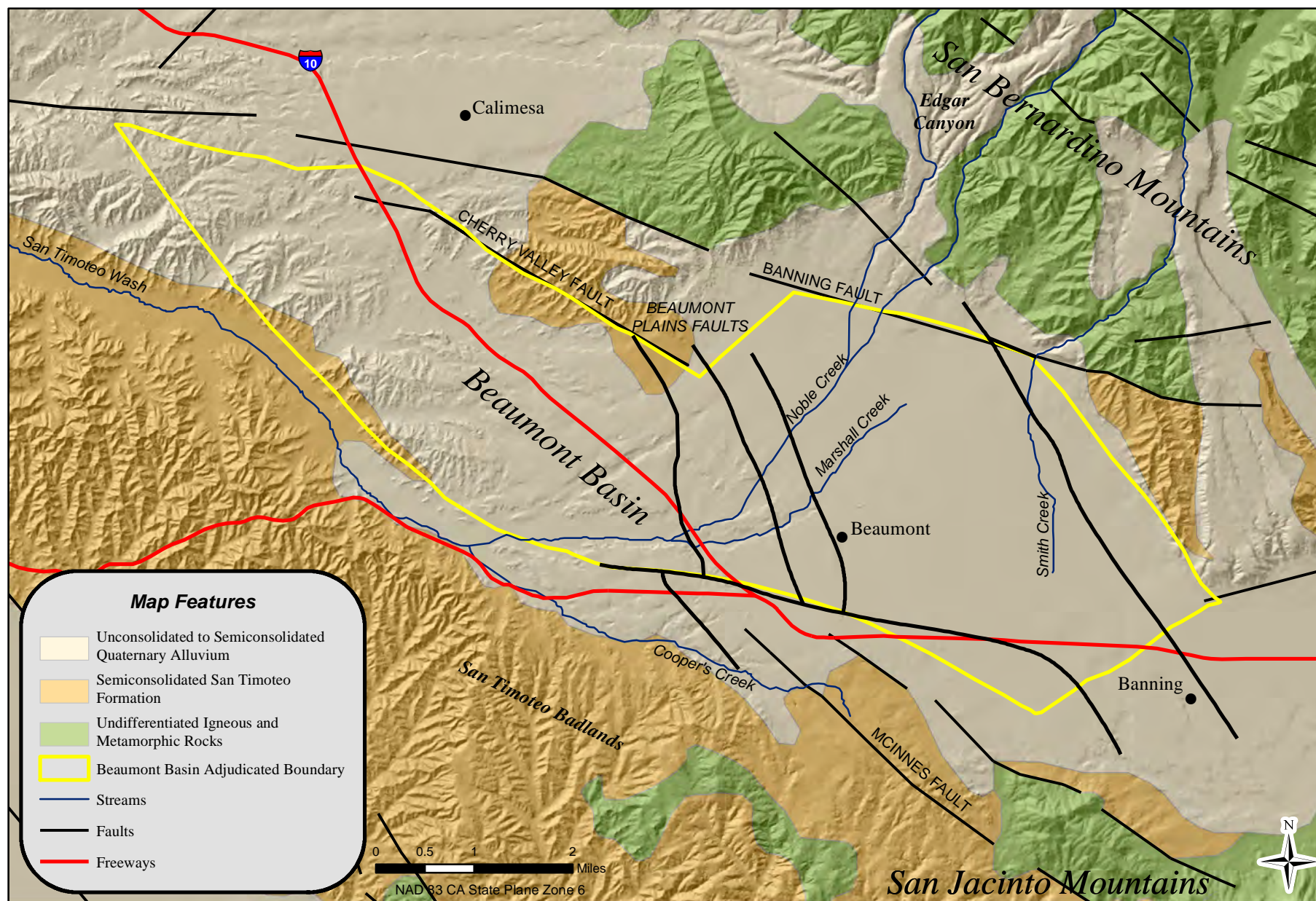
As indicated earlier, Watermaster should revisit the Rules and Regulations to ensure that its activities are consistent with the requirements of the Judgment. The following inconsistencies between guidelines provided in this document and current Watermaster activities were identified:

- ✓ Watermaster has not conducted a meter maintenance program, as required under Section 3.1 of the Rules and Regulations, to make sure groundwater production is reported accurately. Individual parties may or may not maintain and calibrate their production meters at acceptable intervals.
- ✓ Under Section 3.2 of the Rules and Regulations, producers producing in an excess of 10 ac-ft/yr. should report on a monthly basis by the 15th day of the ensuing month while those producing less should file on an annual basis by the 15th of July. This provision should be revised as it was written for fiscal year accounting. Overlying Parties producing less than 10 ac-ft/yr should report by the 15th of January now that calendar year accounting is used. Proper supporting information should be provided.



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Figure 3-1
Annual Precipitation with Cumulative Departure from the Mean (1998-2022)

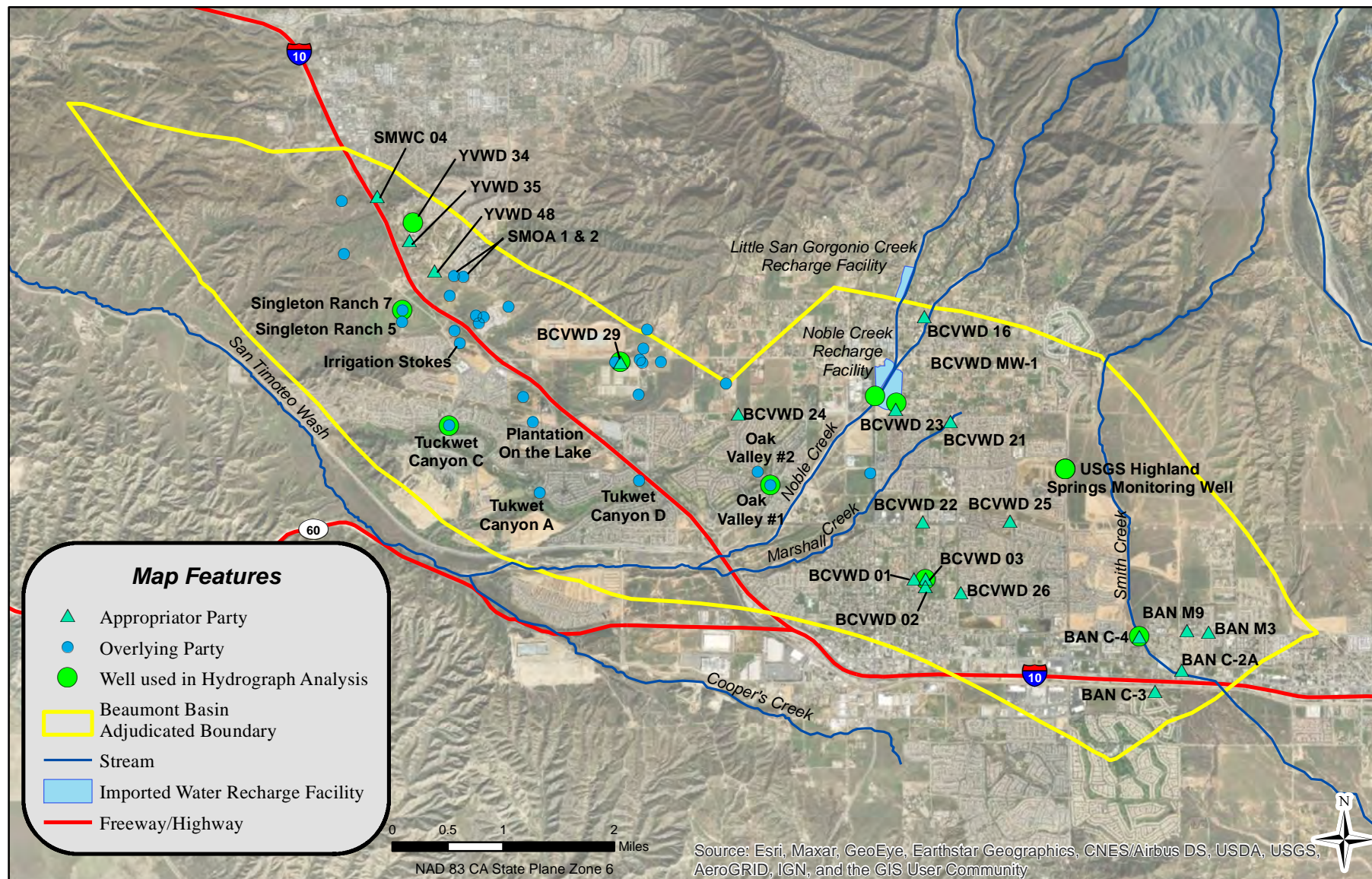


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Thomas Harder & Co.
Groundwater Consulting

Geology of the Beaumont Basin

Figure 3-2



Alda, Inc. in association with

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Groundwater Consulting

**Well Locations in the
Beaumont Basin**

Figure 3-3

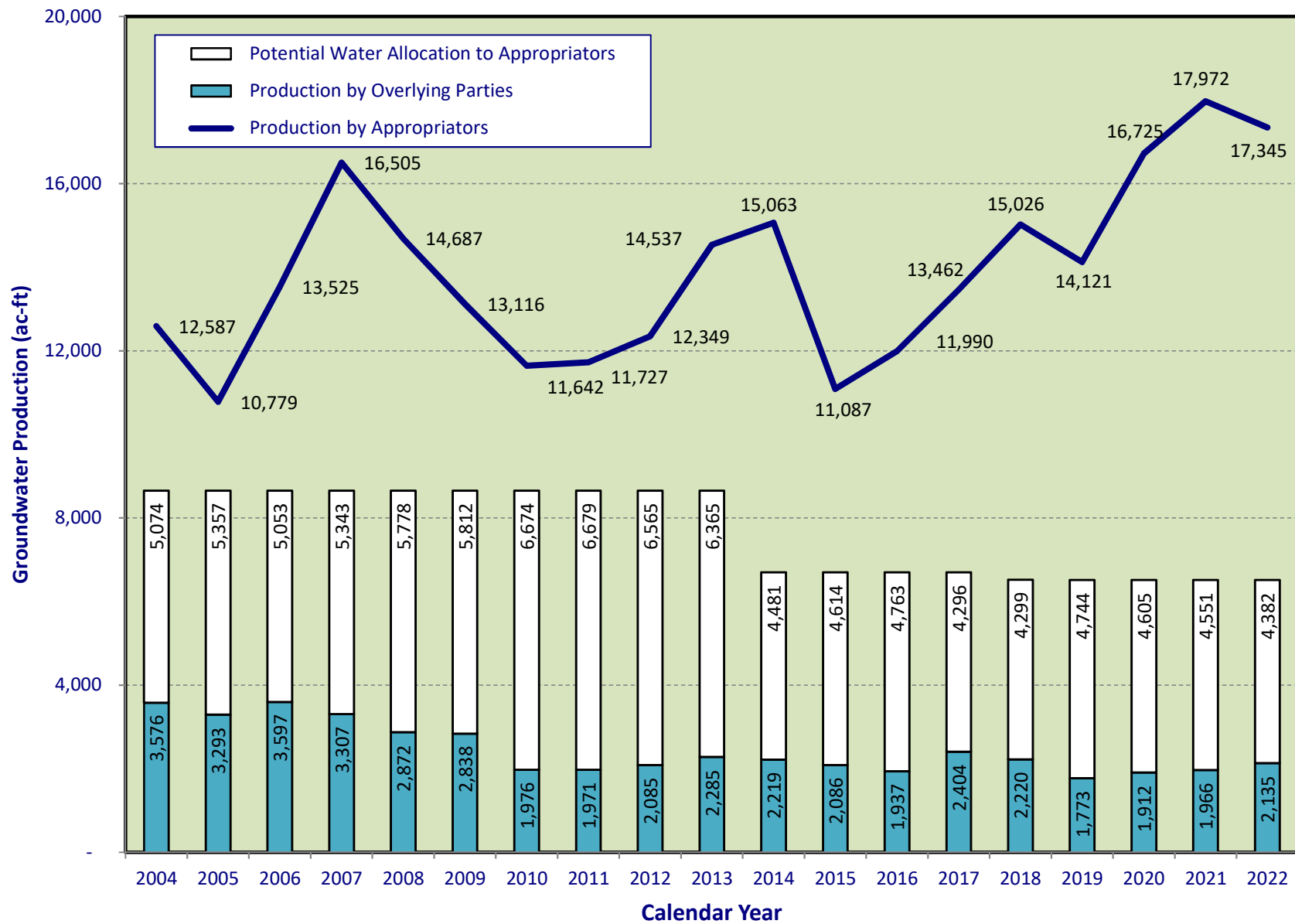


Figure 3-4

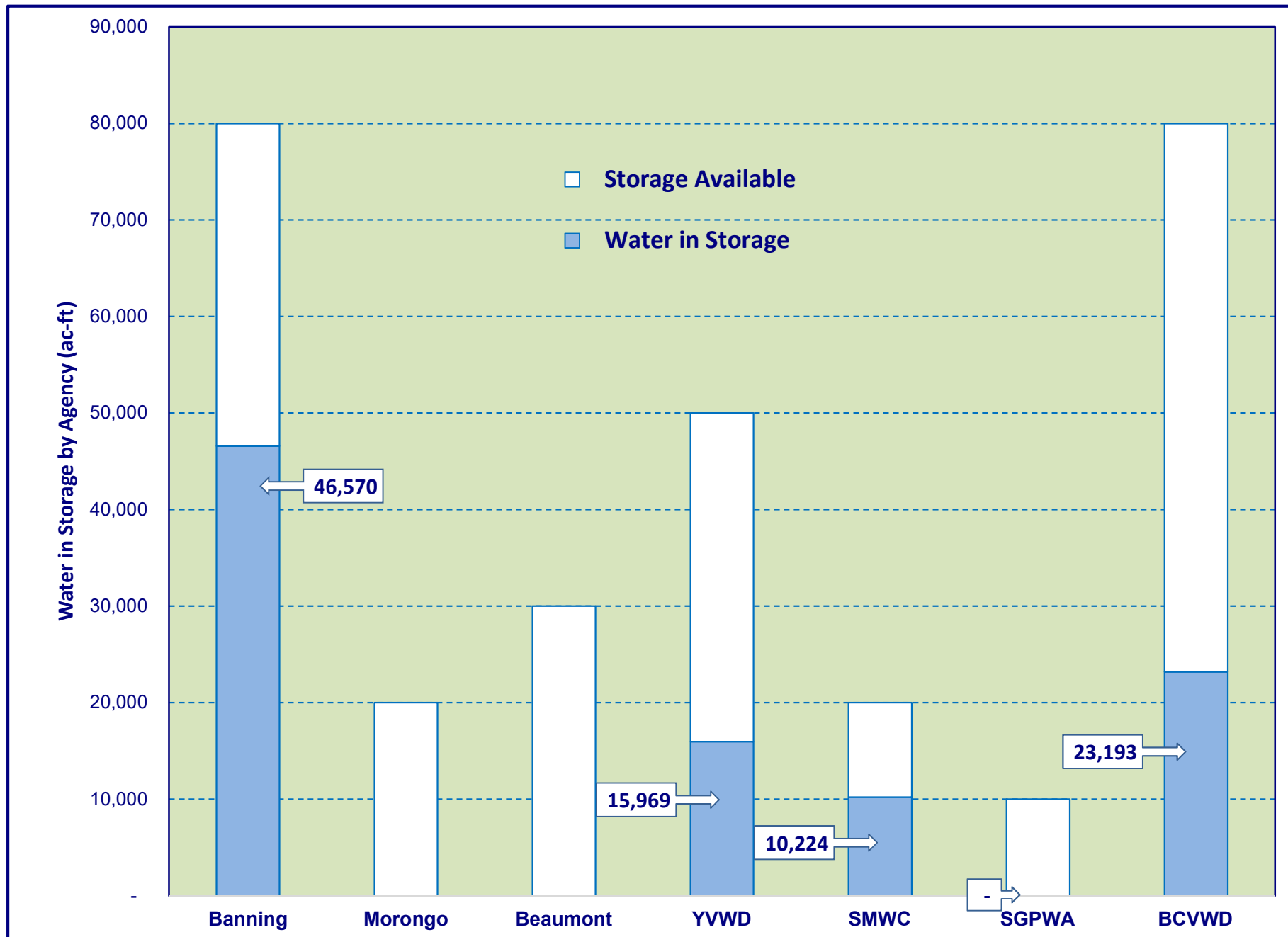


Figure 3-5

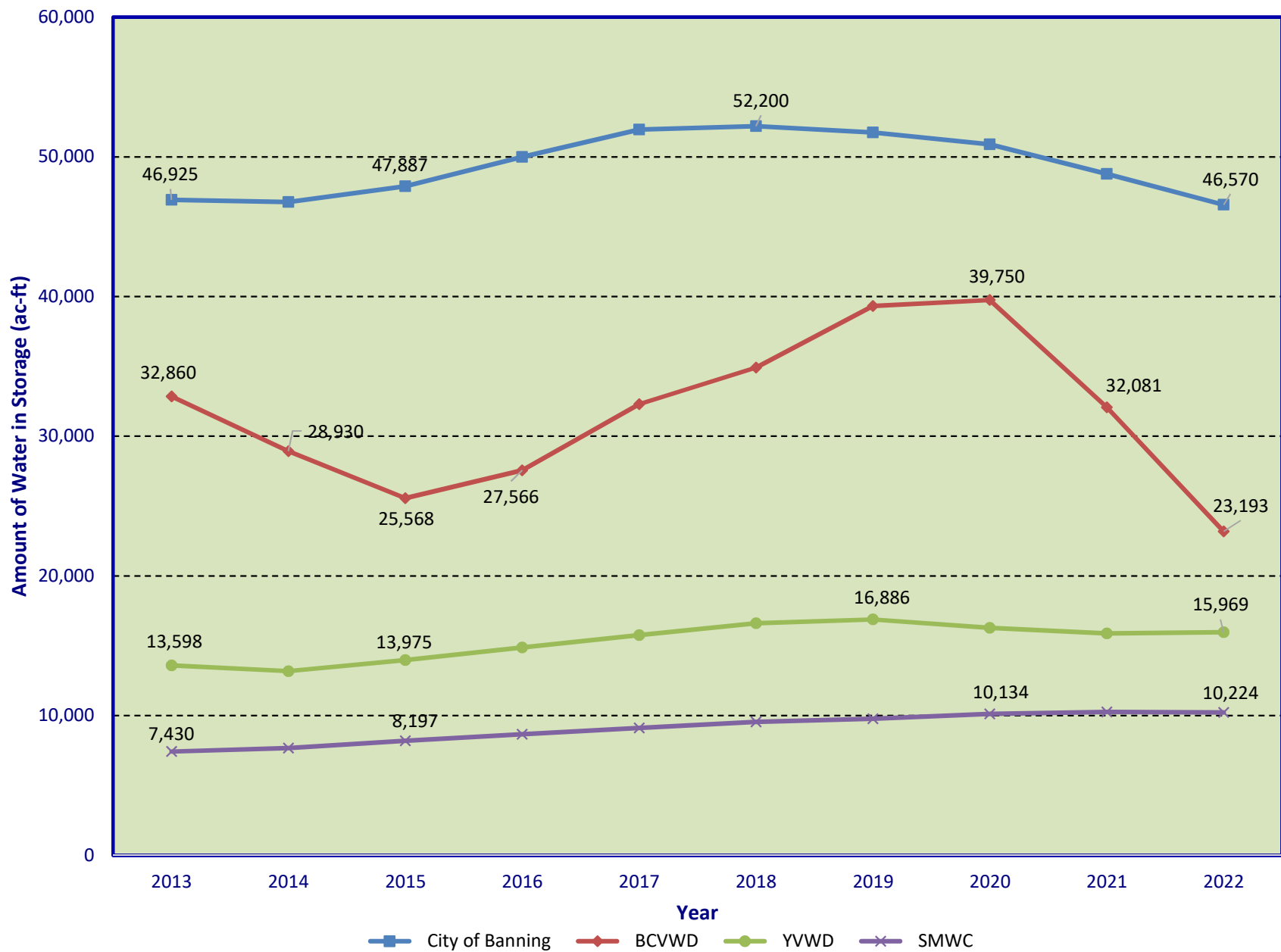
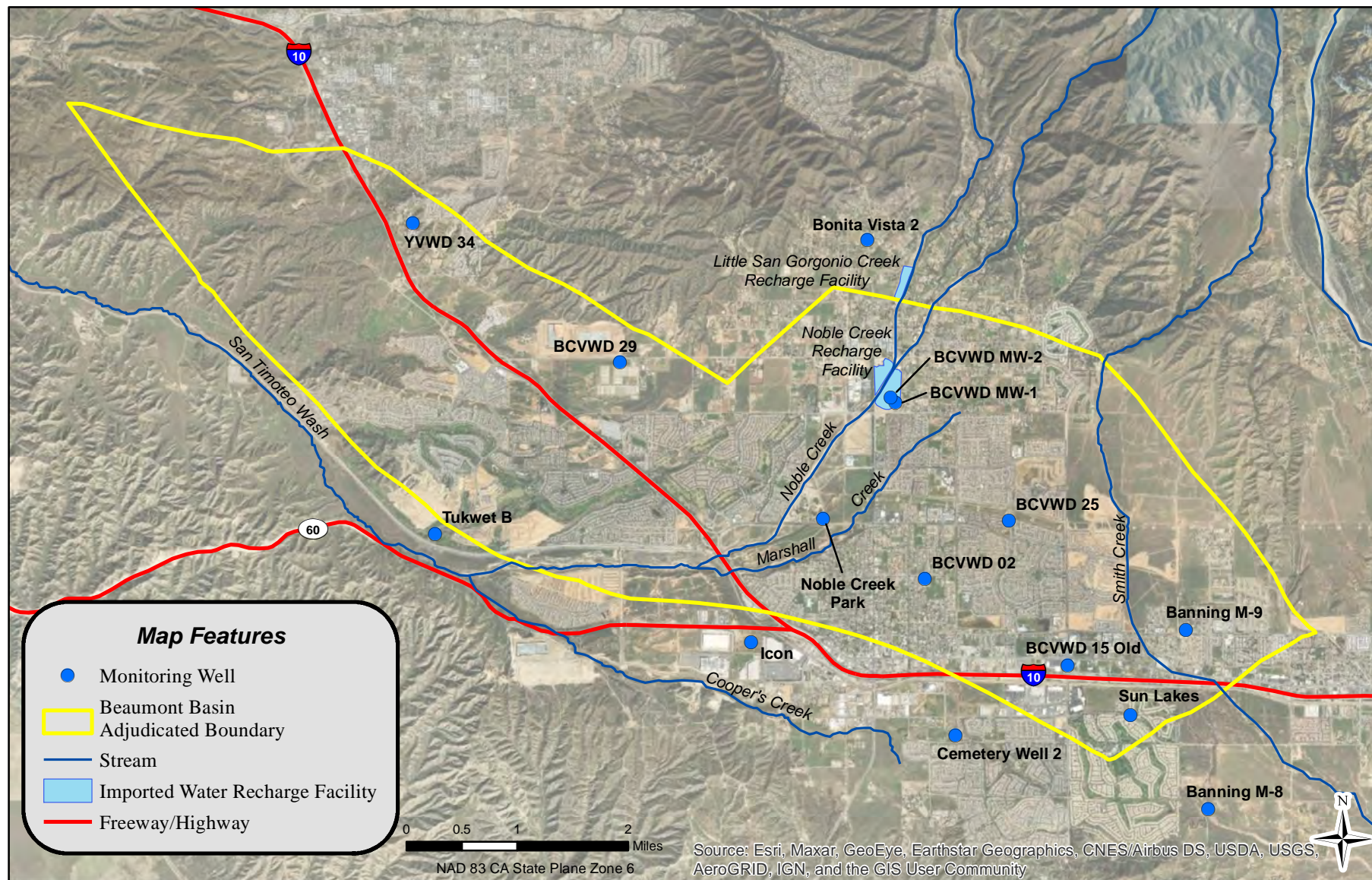


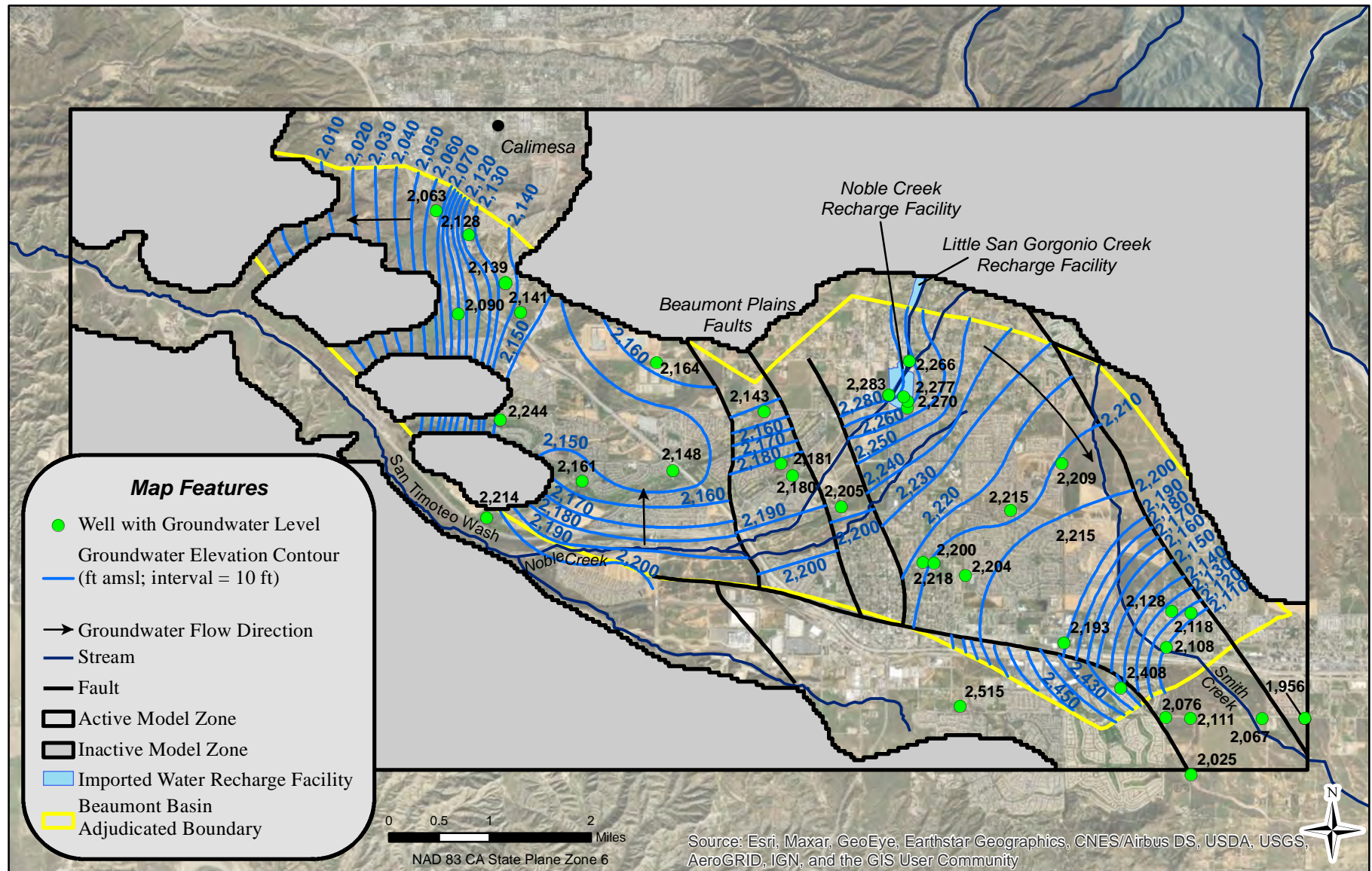
Figure 3-6



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**Monitoring Wells in the
Beaumont Basin**
Figure 3-7

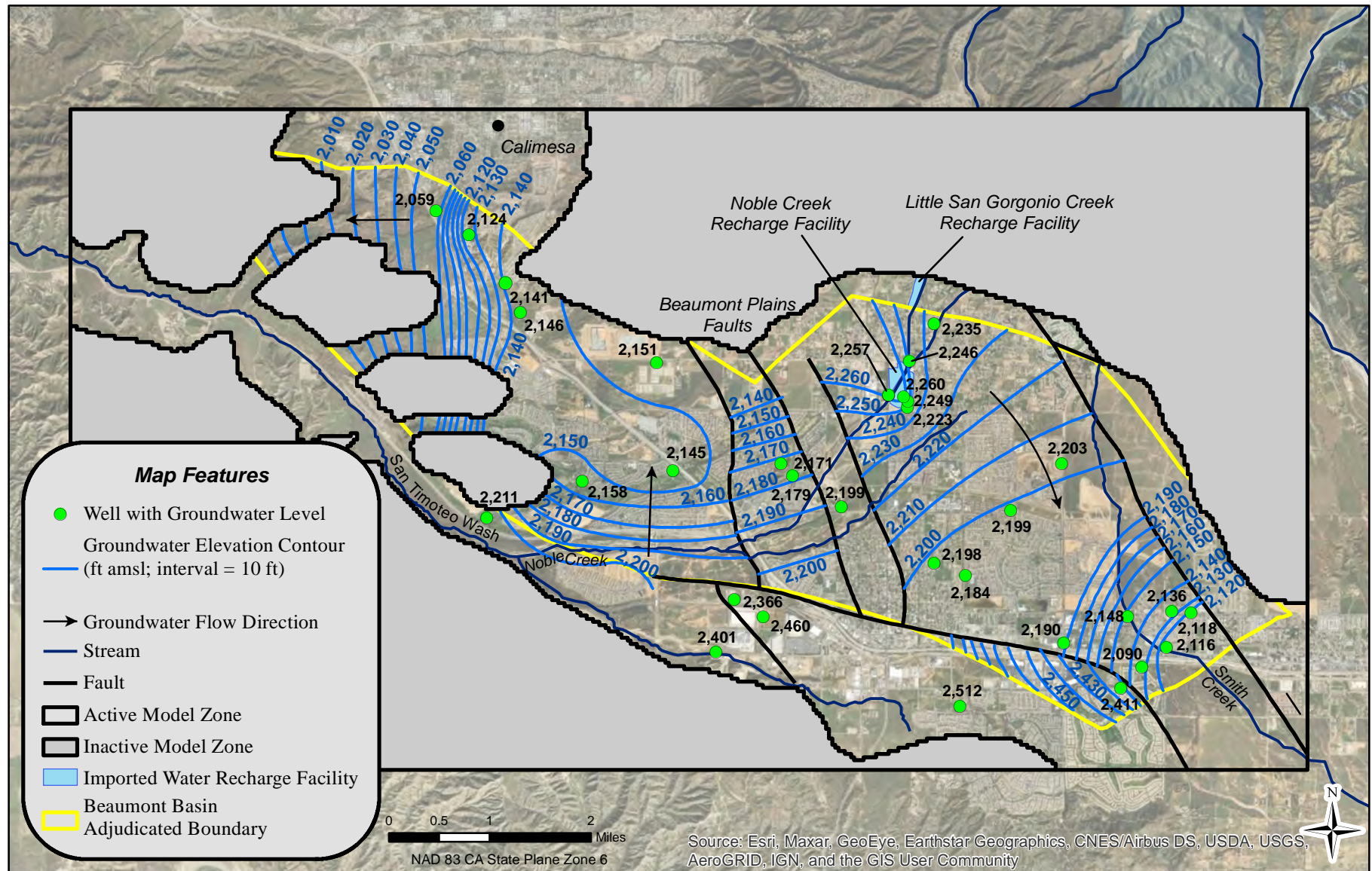


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**Groundwater Contours
in the Beaumont Basin - Winter 2021**

Figure 3-8

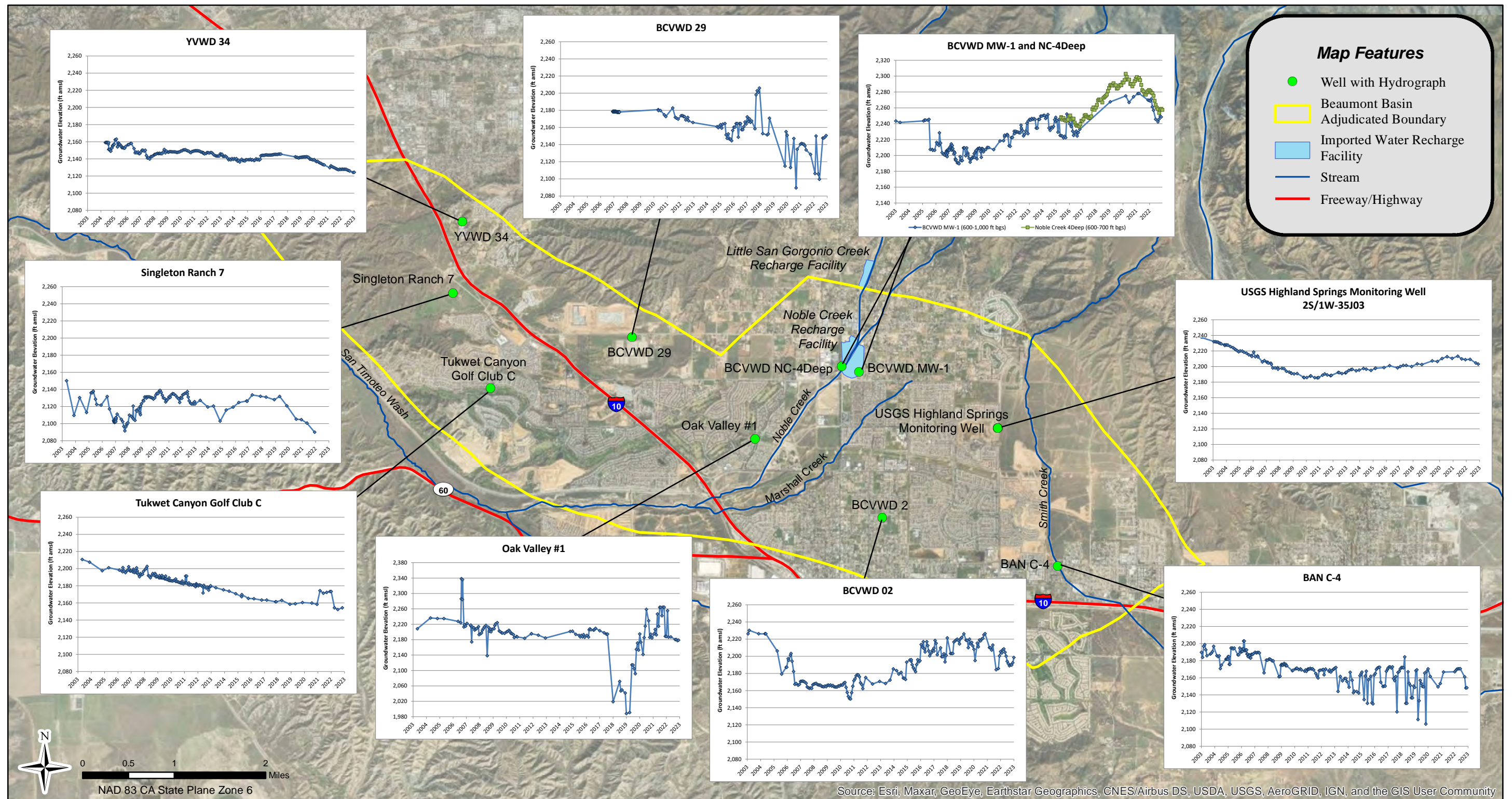


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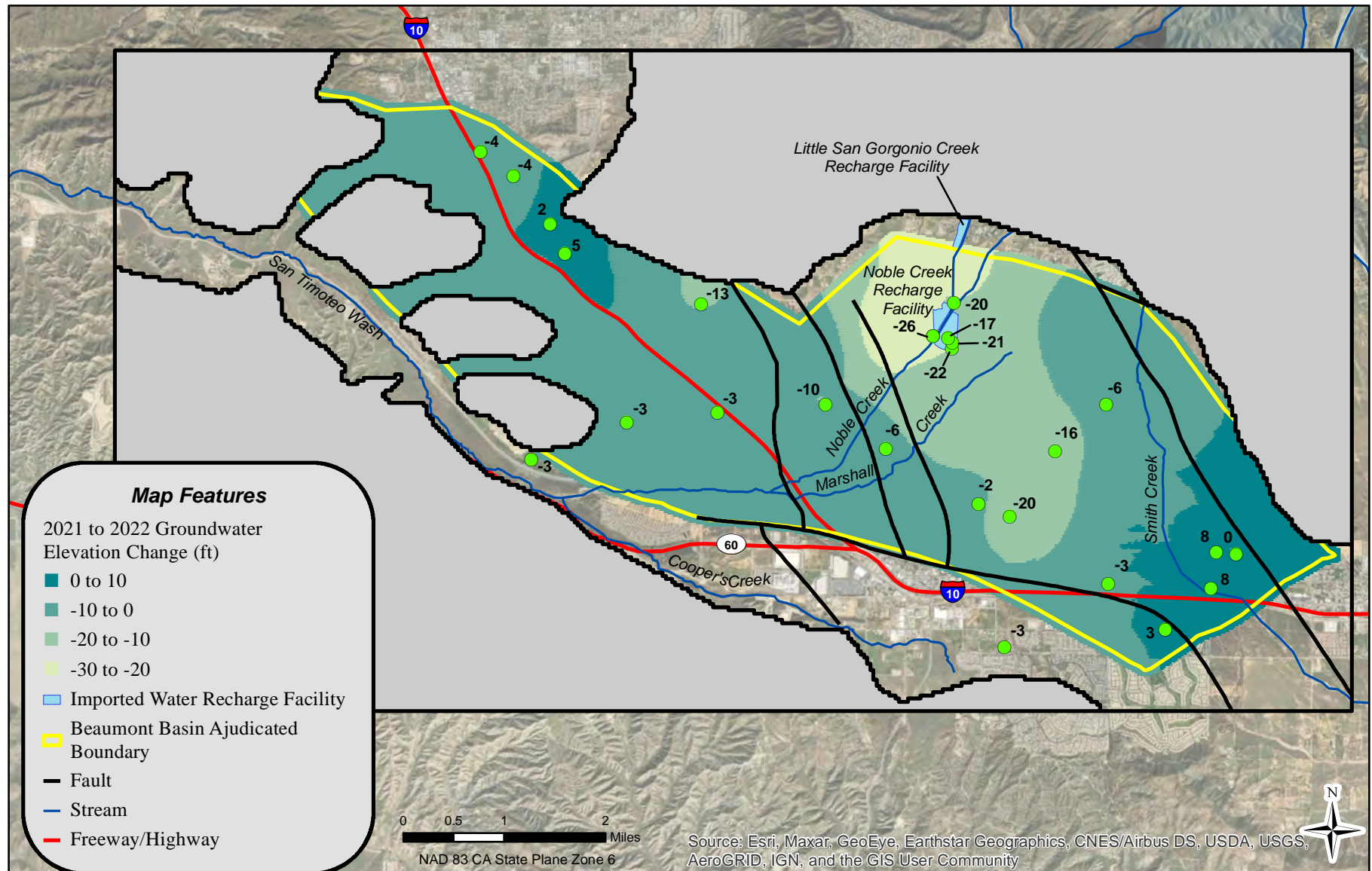
**Groundwater Contours
in the Beaumont Basin - Winter 2022**

Figure 3-9



Alda, Inc. in association with
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 Groundwater Consulting

**Groundwater Level Trends
 at Key Wells**
 Figure 3-10



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Groundwater Consulting

**Change in Groundwater Elevation
2021-2022**
Figure 3-11

Table 3-1A
Appropriator Producer - Summary of Production for Calendar Year 2018 (ac-ft)

Owner & Well Name	Water Production by Appropriator (ac-ft) ⁽¹⁾												Total Production
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Banning, City of													
Well C2-A	3.2	1.1	0.5	0.5	0.4	22.8	24.8	37.9	69.0	11.0	4.0	0.1	175.5
Well C3	0.0	0.9	0.2	0.2	0.7	68.6	67.8	79.1	79.8	103.7	107.2	13.4	521.7
Well C4	0.6	4.3	3.2	30.6	66.6	58.2	87.2	100.5	118.3	135.0	139.7	109.2	853.4
Well M3	0.2	0.2	0.1	56.6	86.7	81.5	89.4	86.6	86.0	56.6	46.6	0.1	590.5
Well M9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
From BCVWD ⁽²⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	52.6	28.6	119.7
Subtotal	4.1	6.5	4.0	87.9	154.4	231.2	269.2	304.1	353.0	344.9	350.1	151.5	2,260.8
Beaumont Cherry Valley Water District													
Well 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 3	0.0	0.0	0.0	0.0	7.8	99.0	19.0	0.0	0.0	0.0	0.0	0.0	125.9
Well 16	20.6	6.3	15.6	12.7	12.7	54.5	22.5	21.2	2.8	5.5	0.8	0.6	176.0
Well 21	193.0	163.9	179.2	215.1	258.0	284.3	294.3	294.0	284.3	196.7	242.6	186.1	2,791.4
Well 22	0.7	18.6	16.8	80.4	155.1	53.2	0.0	0.0	0.0	0.0	0.0	0.0	324.9
Well 23	247.9	177.8	125.8	189.6	201.8	214.9	268.5	248.1	237.7	208.8	157.3	81.0	2,359.3
Well 24	72.9	147.1	110.0	201.9	166.2	237.9	261.0	237.9	217.0	206.1	222.4	142.0	2,222.5
Well 25	0.0	0.0	2.5	108.9	227.8	261.2	272.7	251.9	273.4	224.5	247.7	190.3	2,060.8
Well 26	94.1	75.3	6.1	0.0	0.0	0.0	88.1	183.6	159.8	120.7	111.6	50.0	889.4
Well 29	112.3	119.8	89.5	111.2	0.0	94.5	233.3	238.8	185.5	150.2	29.8	13.9	1,378.7
Egg Ranch Well	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
To Banning ⁽²⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.6	-52.6	-28.6	-119.7
Subtotal	741.6	708.9	545.4	919.9	1,029.6	1,299.5	1,459.3	1,475.6	1,360.7	1,074.0	959.5	635.3	12,209.2
South Mesa Water Company													
Well 4	20.1	14.5	14.4	26.9	30.0	42.7	51.4	46.5	44.0	31.4	26.9	16.1	364.9
Subtotal	20.1	14.5	14.4	26.9	30.0	42.7	51.4	46.5	44.0	31.4	26.9	16.1	364.9
Yucaipa Valley Water District													
Well 35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 48	0.0	0.0	0.0	92.1	0.0	0.0	0.1	60.8	0.2	7.7	30.3	0.0	191.2
Subtotal	0.0	0.0	0.0	92.1	0.0	0.0	0.1	60.8	0.2	7.7	30.3	0.0	191.2
Total	765.7	729.9	563.9	1,126.8	1,214.0	1,573.3	1,779.9	1,886.9	1,757.9	1,458.0	1,366.8	802.9	15,026.1

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

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

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

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

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

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

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

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

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

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

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

Owner & Well Name	Water Production by Appropriator (ac-ft) ⁽¹⁾												Total Production
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Banning, City of													
Well C2-A	18.6	14.4	14.5	3.3	1.2	44.0	93.3	82.1	88.5	62.8	36.9	48.0	507.7
Well C3	0.0	10.5	37.7	109.9	111.3	110.9	107.9	95.4	103.9	61.9	76.4	13.1	838.9
Well C4	110.9	123.0	95.0	138.3	141.5	138.7	133.2	133.5	135.6	136.7	129.7	49.4	1,465.4
Well M3	25.3	18.8	41.3	48.0	65.8	57.2	58.4	59.5	9.2	4.3	8.3	10.9	407.0
Well M9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
From BCVWD ⁽²⁾	4.2	0.0	0.0	0.3	0.0	1.8	73.5	71.4	71.7	76.1	73.4	76.6	449.0
Subtotal	159.1	166.7	188.5	299.9	319.8	352.6	466.3	441.9	408.9	341.8	324.7	198.1	3,668.1
Beaumont Cherry Valley Water District													
Well 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 3	0.8	15.5	4.0	38.4	154.2	162.0	156.6	167.1	100.6	60.3	91.3	39.9	990.7
Well 16	4.5	5.6	1.0	7.6	59.4	70.2	86.4	100.5	83.4	73.7	58.4	21.9	572.5
Well 21	126.6	98.2	99.4	147.1	175.4	200.4	209.1	193.0	169.1	137.6	177.4	151.9	1,885.2
Well 22	26.1	5.7	2.7	23.9	92.0	153.6	146.7	170.8	135.6	88.9	145.1	110.7	1,101.8
Well 23	108.4	121.0	117.9	139.8	222.4	284.0	347.8	360.2	290.7	201.9	106.9	3.1	2,304.1
Well 24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106.9	119.7	213.1	215.5	655.2
Well 25	77.7	64.8	69.4	124.4	155.7	111.7	165.9	154.4	149.1	132.0	113.0	39.0	1,357.3
Well 26	220.4	173.0	216.3	186.4	48.0	294.2	370.8	321.0	257.7	242.5	51.8	141.6	2,523.7
Well 29	152.4	148.5	154.6	235.5	265.6	78.8	143.7	160.1	148.5	74.7	79.6	26.2	1,668.0
Egg Ranch Well	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
To Banning ⁽²⁾	-4.2	0.0	0.0	-0.3	0.0	-1.8	-73.5	-71.4	-71.7	-76.1	-73.4	-76.6	-449.0
Subtotal	712.7	632.4	665.3	902.9	1,172.7	1,353.1	1,553.4	1,555.7	1,369.9	1,055.1	963.2	673.3	12,609.5
South Mesa Water Company													
Well 4	24.6	20.7	23.3	26.6	37.6	36.3	46.7	56.6	54.3	52.9	49.8	36.8	466.0
Subtotal	24.6	20.7	23.3	26.6	37.6	36.3	46.7	56.6	54.3	52.9	49.8	36.8	466.0
Yucaipa Valley Water District													
Well 35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 48	54.5	81.7	59.6	109.1	142.3	135.2	137.7	145.5	138.9	92.0	1.5	0.0	1,097.9
Calimesa Irrigation	0.0	0.0	0.0	0.0	0.0	50.5	17.5	27.8	21.7	8.7	3.0	1.4	130.6
Subtotal	54.5	81.7	59.6	109.1	142.3	185.7	155.2	173.2	160.6	100.7	4.5	1.4	1,228.5
Total	950.8	901.4	936.7	1,338.3	1,672.4	1,927.7	2,221.6	2,227.4	1,993.6	1,550.5	1,342.1	909.6	17,972.1

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

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

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

Owner & Well Name	Water Production by Appropriator (ac-ft) ⁽¹⁾												Total Production
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Banning, City of													
Well C2-A	74.2	84.7	93.3	92.9	96.7	89.2	86.1	95.0	85.1	33.2	14.5	4.2	849.1
Well C3	46.1	48.0	43.1	72.1	97.4	81.5	86.1	91.1	59.1	77.3	2.9	0.0	704.7
Well C4	0.0	0.0	0.0	0.0	0.0	0.5	102.5	121.7	110.1	120.6	71.9	109.4	636.7
Well M3	34.9	46.8	52.5	67.2	70.2	64.4	24.0	1.9	2.3	5.9	11.7	3.3	385.1
Well M9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
From BCVWD ⁽²⁾	79.0	71.6	77.8	81.2	89.4	90.8	93.1	94.8	87.8	87.7	83.0	82.1	1,018.2
Subtotal	234.1	251.0	266.7	313.5	353.6	326.3	391.9	404.5	344.5	324.7	183.9	199.0	3,593.7
Beaumont Cherry Valley Water District													
Well 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Well 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Well 3	80.4	17.6	14.3	62.5	124.9	124.2	100.8	169.8	92.2	115.7	44.0	22.4	968.73
Well 16	7.9	28.8	74.6	71.0	64.3	53.4	81.9	88.0	70.7	47.2	38.9	13.3	640.08
Well 21	161.9	131.8	133.2	151.2	165.1	157.8	159.7	157.0	146.8	140.9	153.4	148.0	1,806.80
Well 22	103.6	72.6	86.1	118.5	128.1	122.1	141.2	139.0	101.4	115.6	108.7	114.9	1,351.83
Well 23	0.0	0.0	0.0	0.0	33.9	263.8	297.8	311.4	290.3	94.0	4.9	60.7	1,356.82
Well 24	190.5	184.5	203.7	237.3	247.8	264.8	302.8	311.2	240.9	245.1	206.8	221.1	2,856.53
Well 25	171.2	278.8	321.1	264.4	369.1	284.3	315.6	322.1	297.3	274.9	243.8	122.4	3,264.96
Well 26	49.1	66.4	75.1	89.6	131.3	136.2	161.9	148.4	133.1	130.6	81.3	59.2	1,262.34
Well 29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.46
To Banning ⁽²⁾	-79.0	-71.6	-77.8	-81.2	-89.4	-90.8	-93.1	-94.8	-87.8	-87.7	-83.0	-82.1	-1,018.2
Subtotal	685.7	708.8	830.2	913.4	1,175.2	1,315.8	1,468.8	1,552.0	1,284.8	1,076.4	799.4	680.0	12,490.4
South Mesa Water Company													
Well 4	35.3	35.6	41.9	45.1	55.0	60.6	68.7	63.0	55.7	52.0	34.1	27.8	574.7
Subtotal	35.3	35.6	41.9	45.1	55.0	60.6	68.7	63.0	55.7	52.0	34.1	27.8	574.7
Yucaipa Valley Water District													
Well 35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Well 48	0.0	0.0	0.0	0.0	0.0	71.3	86.0	91.2	78.2	104.0	152.4	99.9	682.9
Calimesa Irrigation	1.0	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Subtotal	1.0	1.6	1.0	0.0	0.0	71.3	86.0	91.2	78.2	104.0	152.4	99.9	686.5
Total	956.0	997.0	1,139.8	1,272.0	1,583.8	1,774.1	2,015.3	2,110.7	1,763.2	1,557.1	1,169.7	1,006.6	17,345.3

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

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

Table 3-2A
Overlying Producer - Summary of Production for Calendar Year 2018 (ac-ft)

Owner and Well Name	Metered	Monthly Water Production by Overlying Producer ¹												Total ² Production	Overlying Water Right	Unused Overlying Allocation
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Beckman, Walter M. ⁽³⁾	Yes	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	58.1	57.2
California Oak Valley Golf and Resort LLC ⁽⁴⁾																
Oak Valley #1	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Oak Valley #2	Yes	34.8	8.7	23.1	16.3	39.5	72.5	76.2	91.6	68.0	75.2	53.8	13.4	573.0		
Subtotal		34.8	8.7	23.1	16.3	39.5	72.5	76.2	91.6	68.0	75.2	53.8	13.4	573.1	735.8	162.8
Merlin Properties	No	Water Duty Method Used to Estimate Annual Production												1.6	426.0	424.4
Oak Valley Partners, LP ⁽⁵⁾														2.5	1,218.47	1,216.0
Plantation on the Lake LLC	Yes	42.0	44.5	27.6	23.0	30.6	33.1	40.8	44.1	83.9	63.6	33.7	4.2	471.2	450.0	-21.2
Rancho Calimesa Mobile Home Park ⁽⁶⁾																
Well No.1	Yes	2.3	2.0	2.1	2.7	2.4	2.9	3.9	3.7	2.9	3.3	2.3	2.2	32.7		
Well No.2	No	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Subtotal		2.3	2.0	2.1	2.7	2.4	2.9	3.9	3.7	2.9	3.3	2.3	2.2	32.7	116.2	83.4
Roman Catholic Bishop of San Bernardino		Water Duty Method Used to Estimate Annual Production												0.0	119.3	119.3
Sharondale Mesa Owners Association ⁽⁶⁾																
Well No.1	Yes	3.2	4.4	2.4	5.4	8.0	8.5	8.0	10.4	12.8	10.9	7.6	3.8	85.4		
Well No.2	Yes	2.7	3.2	2.1	3.9	2.4	2.9	5.1	3.1	1.3	0.0	1.4	2.8	31.0		
Subtotal		5.9	7.7	4.4	9.3	10.4	11.4	13.1	13.5	14.2	10.9	9.0	6.6	116.4	154.9	38.5
Tukwet Canyon Golf Club ⁽⁷⁾																
Well A	Yes	0.9	0.5	0.7	1.4	0.9	4.1	13.6	13.5	7.5	2.9	0.7	0.8	47.5		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	37.3	40.8	18.3	88.3	78.9	124.6	149.1	133.8	120.0	81.4	67.6	23.4	963.5		
Subtotal		38.2	41.2	19.0	89.8	79.8	128.7	162.7	147.3	127.5	84.2	68.3	24.2	1,010.9	1,704.0	693.1
Stearns, Leonard M. and Dorothy D.	No	Water Duty Method Used to Estimate Annual Production												0.7	154.9	154.2
Sunny-Cal Egg and Poultry Company	No	Water Duty Method Used to Estimate Annual Production												4.2	1,115.0	1,110.8
Albor Properties III, LP	No	Water Duty Method Used to Estimate Annual Production												2.3	232.4	230.0
Nikodinov, Nick	No	Water Duty Method Used to Estimate Annual Production												0.7	15.5	14.8
McAmis, Ronald L.	No	Water Duty Method Used to Estimate Annual Production												0.6	3.9	3.3
Aldama, Nicolas and Amalia	No	Water Duty Method Used to Estimate Annual Production												0.8	5.4	4.6
Gutierrez, Hector, et al.	No	Water Duty Method Used to Estimate Annual Production												1.4	7.7	6.4
Darmont, Boris and Miriam	No	Water Duty Method Used to Estimate Annual Production												0.4	1.9	1.6
TOTAL														2,220.3	6,519.6	4,299.3

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

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

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

4.- Monthly production provided by BCVWD.

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated since. As part of Resolution 2017-02, OVP transferred 180.40 ac-ft of its Overlying rights to YVWD in 2018; OVP's rights were reduced to 1,218.47 ac-ft.

6.- Monthly production since 2011 provided by Clearwater Solutions, a company in charge of operating the water system.

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

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

Owner and Well Name	Metered	Monthly Water Production by Overlying Producer ¹												Total ² Production	Overlying Water Right	Unused Overlying Allocation
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Beckman, Walter M. ⁽³⁾	Yes	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	58.1	57.2
California Oak Valley Golf and Resort LLC ⁽⁴⁾																
Oak Valley #1	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Oak Valley #2	Yes	8.9	3.6	8.1	24.1	36.7	58.9	69.3	102.7	63.1	59.0	55.2	0.0	489.6		
Subtotal		8.9	3.6	8.1	24.1	36.7	58.9	69.3	102.7	63.1	59.0	55.2	0.0	489.6	735.8	246.3
Merlin Properties	No	Water Duty Method Used to Estimate Annual Production												1.6	426.0	424.4
Oak Valley Partners, LP ⁽⁵⁾														2.5	1,215.82	1,213.3
Plantation on the Lake LLC	Yes	12.4	7.8	18.1	25.3	21.3	32.1	34.4	39.0	34.4	8.7	10.1	14.9	258.7	450.0	191.3
Rancho Calimesa Mobile Home Park ⁽⁶⁾																
Well No.1	Yes	1.5	1.6	1.2	1.4	1.6	1.9	2.8	3.2	3.3	3.1	2.6	2.4	26.7		
Well No.2	No	0.5	0.5	0.8	0.8	0.7	1.5	0.0	0.0	0.0	0.0	0.0	0.6	5.4		
Subtotal		2.0	2.1	2.0	2.2	2.3	3.4	2.8	3.2	3.3	3.1	2.6	3.0	32.1	116.2	84.1
Roman Catholic Bishop of San Bernardino		Water Duty Method Used to Estimate Annual Production												0.0	119.3	119.3
Sharondale Mesa Owners Association ⁽⁶⁾																
Well No.1	Yes	2.8	2.5	1.5	7.1	3.3	6.2	7.8	7.4	6.9	10.1	8.2	4.0	67.8		
Well No.2	Yes	2.2	1.7	1.8	1.0	2.6	3.9	4.5	3.7	5.2	1.8	0.0	2.0	30.4		
Subtotal		5.0	4.2	3.4	8.1	5.9	10.1	12.3	11.1	12.1	12.0	8.2	6.0	98.3	154.9	56.6
Tukwet Canyon Golf Club ⁽⁷⁾																
Well A	Yes	0.4	0.7	0.9	1.6	0.9	8.2	6.8	0.0	1.4	0.9	0.8	0.9	23.4		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	9.8	0.1	1.7	85.7	29.4	103.2	169.2	155.5	128.1	104.1	64.5	4.2	855.5		
Subtotal		10.2	0.8	2.5	87.3	30.3	111.4	176.0	155.5	129.5	105.0	65.3	5.0	878.8	1,704.0	825.2
Stearns, Leonard M. and Dorothy D.	No	Water Duty Method Used to Estimate Annual Production												0.7	154.9	154.2
Sunny-Cal Egg and Poultry Company	No	Water Duty Method Used to Estimate Annual Production												4.1	1,115.0	1,110.9
Albor Properties III, LP	No	Water Duty Method Used to Estimate Annual Production												2.3	232.4	230.1
Nikodinov, Nick	No	Water Duty Method Used to Estimate Annual Production												0.7	15.5	14.8
McAmis, Ronald L.	No	Water Duty Method Used to Estimate Annual Production												0.5	3.9	3.3
Aldama, Nicolas and Amalia	No	Water Duty Method Used to Estimate Annual Production												0.8	5.4	4.6
Gutierrez, Hector, et al.	No	Water Duty Method Used to Estimate Annual Production												1.4	7.7	6.4
Darmont, Boris and Miriam	No	Water Duty Method Used to Estimate Annual Production												0.4	1.9	1.6
TOTAL														1,773.3	6,517.0	4,743.6

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

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

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

4.- Monthly production provided by BCVWD.

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft has been estimated since. As part of Resolution 2017-02, OVP transferred 180.40 ac-ft of its Overlying rights to YVWD in 2018, an additional 2.65 ac-ft were transferred in 2019. These transfers have reduced OVP's Overlying rights to 1,215.82 ac-ft.

6.- Monthly production since 2011 provided by Clearwater Solutions, a company in charge of operating the water system.

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

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

Owner and Well Name	Metered	Monthly Water Production by Overlying Producer ¹												Total ² Production	Overlying Water Right	Unused Overlying Allocation
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Beckman, Walter M. ⁽³⁾	Yes	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	58.1	57.2
California Oak Valley Golf and Resort LLC ⁽⁴⁾																
Oak Valley #1	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Oak Valley #2	Yes	17.3	18.6	8.6	13.0	54.5	70.0	132.0	49.5	83.6	57.8	39.8	32.6	577.3		
Subtotal		17.3	18.6	8.6	13.0	54.5	70.0	132.0	49.5	83.6	57.8	39.8	32.6	577.3	735.8	158.6
Merlin Properties	No	Water Duty Method Used to Estimate Annual Production												1.6	426.0	424.4
Oak Valley Partners, LP ⁽⁵⁾		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,215.82	1,215.8
Plantation on the Lake LLC	Yes	21.3	20.2	7.6	21.1	33.2	38.3	38.9	14.7	0.0	0.0	0.0	0.0	195.2	450.0	254.8
Rancho Calimesa Mobile Home Park ⁽⁶⁾																
Well No.1	Yes	1.1	0.0	0.0	0.0	0.0	2.0	2.6	3.2	2.6	2.0	2.1	2.1	17.7		
Well No.2	No	0.7	1.8	1.8	2.8	1.3	0.6	0.9	0.4	0.5	1.2	0.0	0.4	12.4		
Subtotal		1.9	1.8	1.8	2.8	1.3	2.5	3.4	3.5	3.2	3.2	2.2	2.6	30.1	116.2	86.1
Roman Catholic Bishop of San Bernardino		Water Duty Method Used to Estimate Annual Production												0.0	119.3	119.3
Sharondale Mesa Owners Association ⁽⁶⁾																
Well No.1	Yes	3.5	6.4	3.6	2.5	6.6	8.2	5.8	11.3	11.9	13.1	7.3	7.4	87.6		
Well No.2	Yes	3.5	1.9	1.7	2.3	4.5	4.4	4.3	5.3	0.7	0.0	5.3	4.5	38.3		
Subtotal		6.9	8.2	5.3	4.8	11.1	12.6	10.1	16.6	12.6	13.2	12.6	11.9	125.8	154.9	29.1
Tukwet Canyon Golf Club ⁽⁷⁾																
Well A	Yes	1.1	0.8	0.7	0.9	0.7	0.8	1.1	1.6	1.5	1.5	1.9	3.0	15.5		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	18.1	35.9	27.9	35.6	14.0	120.7	173.2	162.5	153.0	88.1	67.8	57.0	953.7		
Subtotal		19.1	36.6	28.6	36.4	14.7	121.5	174.3	164.2	154.5	89.6	69.7	60.0	969.3	1,704.0	734.8
Stearns, Leonard M. and Dorothy D.	No	Water Duty Method Used to Estimate Annual Production												0.7	154.9	154.2
Sunny-Cal Egg and Poultry Company	No	Water Duty Method Used to Estimate Annual Production												4.3	1,115.0	1,110.7
Albor Properties III, LP	No	Water Duty Method Used to Estimate Annual Production												2.4	232.4	230.0
Nikodinov, Nick	No	Water Duty Method Used to Estimate Annual Production												0.8	15.5	14.7
McAmis, Ronald L.	No	Water Duty Method Used to Estimate Annual Production												0.6	3.9	3.3
Aldama, Nicolas and Amalia	No	Water Duty Method Used to Estimate Annual Production												0.9	5.4	4.6
Gutierrez, Hector, et al.	No	Water Duty Method Used to Estimate Annual Production												1.4	7.7	6.3
Darmont, Boris and Miriam	No	Water Duty Method Used to Estimate Annual Production												0.4	1.9	1.6
TOTAL														1,911.5	6,517.0	4,605.4

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

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

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

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

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft was estimated through 2019; there was no groundwater production in 2020. As part of Resolution 2017-02, OVP transferred 180.40 ac-ft of its Overlying rights to YVWD in 2018, an additional 2.65 ac-ft were transferred in 2019. These transfers reduced OVP's Overlying rights to 1,215.82 ac-ft. No additional transfers took place in 2020.

6.- Monthly production since 2011 provided by Clearwater Solutions, a company in charge of operating the water system.

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

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

Owner and Well Name	Metered	Monthly Water Production by Overlying Producer ¹												Total ² Production	Overlying Water Right	Unused Overlying Allocation
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Beckman, Walter M. ⁽³⁾	Yes	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	58.1	57.2
California Oak Valley Golf and Resort LLC ⁽⁴⁾																
Oak Valley #1	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Oak Valley #2	Yes	20.7	18.7	16.0	37.4	7.0	49.6	98.0	98.0	65.5	43.0	48.6	22.6	525.0		
Subtotal		20.7	18.7	16.0	37.4	7.0	49.6	98.0	98.0	65.5	43.0	48.6	22.6	525.0	735.8	210.8
Merlin Properties	No	Water Duty Method Used to Estimate Annual Production									12%	8%	9%	1.6	426.0	424.4
Oak Valley Partners, LP ⁽⁵⁾		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,215.82	1,215.8
Plantation on the Lake LLC	Yes	0.0	0.0	0.0	0.0	0.0	0.0	18.5	41.3	34.0	28.7	27.9	11.0	161.5	450.0	288.5
Rancho Calimesa Mobile Home Park ⁽⁶⁾																
Well No.1	Yes	1.3	1.8	1.6	2.5	2.2	2.3	0.0	0.0	1.1	1.4	2.0	1.8	18.1		
Well No.2	No	0.7	1.0	0.0	0.4	0.3	0.5	0.2	0.8	0.8	1.1	0.5	0.5	6.9		
Subtotal		2.0	2.7	1.6	2.9	2.6	2.9	0.2	0.8	1.9	2.5	2.5	2.3	25.0	116.2	91.2
Roman Catholic Bishop of San Bernardino		Water Duty Method Used to Estimate Annual Production												0.0	119.3	119.3
Sharondale Mesa Owners Association ⁽⁶⁾																
Well No.1	Yes	4.0	4.8	4.7	7.2	5.8	7.3	7.9	8.4	7.8	6.0	5.7	3.3	72.9		
Well No.2	Yes	3.3	3.7	4.0	5.0	4.2	5.3	5.1	5.1	5.0	4.4	4.2	2.6	51.8		
Subtotal		7.3	8.5	8.7	12.2	9.9	12.6	13.0	13.5	12.8	10.4	9.9	5.9	124.7	154.9	30.2
Tukwet Canyon Golf Club ⁽⁷⁾																
Well A	Yes	2.3	1.3	1.8	2.2	2.2	1.4	1.6	5.2	2.3	1.7	1.9	1.7	25.7		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	27.3	26.7	39.2	98.8	130.9	158.7	151.7	153.6	122.7	71.2	86.1	23.9	1,090.8		
Subtotal		29.5	28.1	41.1	101.0	133.1	160.2	153.3	158.7	125.1	72.8	88.0	25.5	1,116.5	1,704.0	587.6
Stearns, Leonard M. and Dorothy D.	No	Water Duty Method Used to Estimate Annual Production												0.7	154.9	154.2
Sunny-Cal Egg and Poultry Company	No	Water Duty Method Used to Estimate Annual Production												4.3	1,115.0	1,110.7
Albor Properties III, LP	No	Water Duty Method Used to Estimate Annual Production												2.4	232.4	230.0
Nikodinov, Nick	No	Water Duty Method Used to Estimate Annual Production												0.8	15.5	14.7
McAmis, Ronald L.	No	Water Duty Method Used to Estimate Annual Production												0.6	3.9	3.3
Aldama, Nicolas and Amalia	No	Water Duty Method Used to Estimate Annual Production												0.9	5.4	4.6
Gutierrez, Hector, et al.	No	Water Duty Method Used to Estimate Annual Production												1.4	7.7	6.3
Darmont, Boris and Miriam	No	Water Duty Method Used to Estimate Annual Production												0.4	1.9	1.6
TOTAL														1,966.4	6,517.0	4,550.6

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

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

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

4.- California Oak Valley Golf and Resort monthly production provided by BCVWD thorough August 2021. Production for Sep to Dec was not available and was estimated as 34.22 percent of total based on 2017-20 records. This number is slightly lower than the one presented in the 2021 annual report when a 35 percent of total was used for these four months.

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft was estimated through 2019; there was no groundwater production in 2020 and 2021. As part of Resolution 2017-02, OVP transferred 180.40 ac-ft of its Overlying rights to YVWD in 2018, an additional 2.65 ac-ft were transferred in 2019. These transfers reduced OVP's Overlying rights to 1,215.82 ac-ft. No additional transfers took place in 2021.

6.- Monthly production since 2011 provided by Clearwater Solutions, a company in charge of operating the water system.

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

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

Owner and Well Name	Metered	Monthly Water Production by Overlying Producer ¹												Total ² Production	Overlying Water Right	Unused Overlying Allocation
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Beckman, Walter M. ⁽³⁾	Yes	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	58.1	57.2
California Oak Valley Golf and Resort LLC ⁽⁴⁾																
Oak Valley #1	Yes	0.0	0.0	0.0	0.1	0.0	0.0	0.0	68.6	63.3	53.4	33.3	14.3	232.9		
Oak Valley #2	Yes	8.3	21.5	29.5	49.8	49.5	95.1	76.7	0.0	0.0	0.0	0.0	0.0	330.5		
Subtotal		8.3	21.5	29.5	49.9	49.5	95.1	76.7	68.6	63.3	53.4	33.3	14.3	563.4	735.8	172.4
Merlin Properties	No	Water Duty Method Used to Estimate Annual Production												1.6	426.0	424.4
Oak Valley Partners, LP ⁽⁵⁾		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,215.82	1,215.8
Plantation on the Lake LLC	Yes	20.7	18.7	26.7	24.8	27.1	35.6	39.6	37.6	32.8	41.4	18.1	12.9	335.9	450.0	114.2
Rancho Calimesa Mobile Home Park ⁽⁶⁾																
Well No.1	Yes	1.8	1.9	1.9	1.9	2.2	2.2	2.5	3.1	0.0	0.0	0.0	0.0	17.7		
Well No.2	No	0.4	0.3	0.6	0.6	0.7	0.6	0.7	0.6	2.1	2.3	2.3	2.6	13.7		
Subtotal		2.3	2.3	2.5	2.5	2.9	2.8	3.1	3.8	2.1	2.3	2.3	2.6	31.4	116.2	84.8
Roman Catholic Bishop of San Bernardino		Water Duty Method Used to Estimate Annual Production												0.0	119.3	119.3
Sharondale Mesa Owners Association ⁽⁶⁾																
Well No.1	Yes	2.7	3.5	4.5	4.8	6.7	5.6	8.4	7.6	7.5	5.2	4.3	3.1	64.0		
Well No.2	Yes	2.5	3.3	4.0	3.9	5.2	5.9	3.7	5.3	5.1	4.5	3.5	2.8	49.6		
Subtotal		5.2	6.8	8.5	8.8	11.9	11.5	12.1	12.8	12.6	9.7	7.8	5.9	113.6	154.9	41.3
Tukwet Canyon Golf Club ⁽⁷⁾																
Well A	Yes	1.8	1.4	1.4	1.6	0.9	2.1	19.7	1.6	1.5	2.3	1.6	1.5	37.4		
Well C	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Well D	Yes	44.3	49.1	62.5	88.1	128.4	157.0	46.1	188.7	137.6	76.7	38.4	22.0	1,038.9		
Subtotal		46.1	50.5	63.9	89.7	129.3	159.1	65.8	190.3	139.1	79.0	40.0	23.5	1,076.3	1,704.0	627.7
Stearns, Leonard M. and Dorothy D.	No	Water Duty Method Used to Estimate Annual Production												0.7	154.9	154.2
Sunny-Cal Egg and Poultry Company	No	Water Duty Method Used to Estimate Annual Production												4.4	1,115.0	1,110.6
Albor Properties III, LP	No	Water Duty Method Used to Estimate Annual Production												2.5	232.4	229.9
Nikodinov, Nick	No	Water Duty Method Used to Estimate Annual Production												0.8	15.5	14.7
McAmis, Ronald L.	No	Water Duty Method Used to Estimate Annual Production												0.6	3.9	3.3
Aldama, Nicolas and Amalia	No	Water Duty Method Used to Estimate Annual Production												0.9	5.4	4.5
Gutierrez, Hector, et al.	No	Water Duty Method Used to Estimate Annual Production												1.4	7.7	6.3
Darmont, Boris and Miriam	No	Water Duty Method Used to Estimate Annual Production												0.4	1.9	1.6
TOTAL														2,134.6	6,517.0	4,382.3

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

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

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

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

5.- Starting in 2008, the parcels owned by Oak Valley Partners (OVP) were no longer used for agricultural purposes. An annual production of 2.5 ac-ft was estimated through 2019; there was no groundwater production in 2020 and 2021. As part of Resolution 2017-02, OVP transferred 180.40 ac-ft of its Overlying rights to YVWD in 2018, an additional 2.65 ac-ft were transferred in 2019. These transfers reduced OVP's Overlying rights to 1,215.82 ac-ft. No additional transfers took place in 2022.

6.- Monthly production since 2011 provided by Clearwater Solutions, a company in charge of operating the water system.

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

Table 3-3A
Production Summary for Appropriator and Overlying Producers in the Beaumont Basin
2003 through 2012 - Calendar Year Accounting (ac-ft)

	Annual Production (ac-ft)									
	2003 ¹	2004	2005	2006	2007	2008	2009	2010	2011	2012
Appropriator Parties										
Banning, City of	2,174	3,397	1,809	1,828	2,773	2,934	2,095	1,144	1,342	1,038
Beaumont-Cherry Valley Water District	3,512	6,874	7,026	9,054	11,383	10,710	10,134	9,421	9,431	10,162
South Mesa Water Company	223	483	663	616	666	471	382	405	420	449
Yucaipa Valley Water District	1,162	1,834	1,281	2,027	1,683	572	504	672	534	700
Subtotal	7,072	12,587	10,779	13,525	16,505	14,687	13,116	11,642	11,727	12,349
Overlying Parties										
Beckman, Walter M	16.2	27.0	22.4	11.5	8.3	12.7	12.9	6.4	9.0	9.0
California Oak Valley Golf and Resort LLC	736.2	728.6	703.9	831.5	779.0	780.4	766.7	565.1	517.3	517.3
Merlin Properties	3.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6
Oak Valley Partners, LP	301.2	440.7	350.2	312.1	312.1	310.5	310.5	2.5	2.5	2.5
Plantation on the Lake LLC	178.6	340.9	310.2	350.1	344.2	354.0	352.3	337.2	344.7	344.7
Rancho Calimesa Mobile Home Park	35.4	68.3	68.3	68.3	69.3	69.3	69.3	69.3	69.3	69.3
Roman Catholic Bishop of San Bernardino	46.8	59.1	55.6	59.0	0.7	0.7	0.7	0.0	0.0	0.0
Sharondale Mesa Owners Association	104.3	158.0	181.0	188.6	182.3	193.3	154.3	132.3	133.0	145.3
Tukwet Canyon Golf Club ²	791.4	1,346.7	1,213.1	1,753.4	1,599.1	1,137.6	1,158.6	851.8	882.9	984.3
Stearns, Leonard M. and Dorothy D.	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.7
Sunny-Cal Egg and Poultry Company	226.0	404.4	385.4	2.6	2.7	4.2	4.2	3.8	4.2	4.3
Albor Properties III, LP ³				13.2	2.3	2.3	2.3	2.1	2.3	2.4
Nikodinov, Nick				0.7	0.8	0.8	0.7	0.7	0.8	0.8
McAmis, Ronald L.				0.5	0.6	0.6	0.5	0.5	0.6	0.6
Aldama, Nicolas and Amalia				0.8	0.8	0.9	0.8	0.8	0.9	0.9
Gutierrez, Hector, et. al.				1.4	1.4	1.4	1.4	1.3	1.4	1.4
Darmont, Boris and Miriam				0.4	0.4	0.4	0.4	0.4	0.4	0.4
Subtotal	2,440.8	3,576.3	3,292.6	3,596.7	3,306.5	2,871.6	2,838.2	1,976.5	1,971.4	2,085.4
Total	9,512.5	16,163.6	14,071.3	17,121.6	19,811.1	17,558.6	15,953.7	13,618.8	13,698.4	14,434.3

1.- 2003 groundwater production only includes Jul-Dec time period.

2.- Formerly known as the East Valley Golf Course and the Southern California Section of the PGA of America.

3.- Formerly Known as Sunny Cal North - Manheim, Manheim & Berman.

Table 3-3B
Production Summary for Appropriator and Overlying Producers in the Beaumont Basin
2013 through 2022 - Calendar Year Accounting (ac-ft)

	Annual Production (ac-ft)									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Appropriator Parties										
Banning, City of	2,101	2,585	1,678	1,473	1,443	2,261	2,121	2,549	3,668	3,594
Beaumont-Cherry Valley Water District	11,097	10,806	8,973	10,160	11,651	12,209	11,141	12,539	12,610	12,490
South Mesa Water Company	308	474	317	353	368	365	331	229	466	575
Yucaipa Valley Water District	1,031	1,198	119	5	0	191	529	1,408	1,228	687
Subtotal	14,537	15,063	11,087	11,990	13,462	15,026	14,121	16,725	17,972	17,345
Overlying Parties										
Beckman, Walter M	2.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
California Oak Valley Golf and Resort LLC	625.8	417.0	751.1	552.3	830.0	573.1	489.6	577.3	525.0	563.4
Merlin Properties	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Oak Valley Partners, LP	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-	-	-
Plantation on the Lake LLC	326.7	403.8	302.1	293.4	417.8	471.2	258.7	195.2	161.5	335.9
Rancho Calimesa Mobile Home Park	69.3	16.2	23.4	31.2	31.2	32.7	32.1	30.1	25.0	31.4
Roman Catholic Bishop of San Bernardino	-	-	-	-	-	-	-	-	-	-
Sharondale Mesa Owners Association	147.0	137.3	94.1	84.8	117.9	116.4	98.3	125.8	124.7	113.6
Tukwet Canyon Golf Club ¹	1,098.4	1,227.9	898.6	958.6	991.4	1,010.9	878.8	969.3	1,116.5	1,076.3
Stearns, Leonard M. and Dorothy D.	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Sunny-Cal Egg and Poultry Company	4.3	4.3	4.3	4.3	4.0	4.2	4.1	4.3	4.3	4.4
Albor Properties III, LP ²	2.4	2.4	2.4	2.4	2.2	2.3	2.3	2.4	2.4	2.5
Nikodinov, Nick	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8
McAmis, Ronald L.	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.6	0.6
Aldama, Nicolas and Amalia	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9
Gutierrez, Hector, et. al.	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Darmont, Boris and Miriam	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Subtotal	2,284.8	2,218.7	2,085.7	1,936.7	2,403.9	2,220.3	1,773.3	1,911.5	1,966.4	2,134.6
Total	16,821.9	17,281.5	13,173.1	13,926.4	15,866.3	17,246.4	15,894.8	18,636.2	19,938.5	19,479.9

1.- Formerly known as the East Valley Golf Course and the Southern California Section of the PGA of America. Production data for 2021 has been revised by overlyier.

2.- Formerly Known as Sunny Cal North - Manheim, Manheim & Berman.

Table 3-4
Annual Supplemental Recharge to the Beaumont Basin - Calendar Years 2003-2022

Year	Supplemental Recharge (ac-ft)				
	Banning ¹	Beaumont	BCVWD ¹	SGPWA ²	Total
2003	-	-	-	-	-
2004	-	-	-	813.8	813.8
2005	-	-	-	687.4	687.4
2006	-	-	3,501.0	777.7	4,278.7
2007	-	-	4,501.0	541.3	5,042.3
2008	1,534.0	-	2,399.0	1,047.4	4,980.4
2009	2,741.2	-	2,741.2	823.4	6,305.8
2010	1,338.0	-	5,727.0	1,222.3	8,287.3
2011	800.0	-	7,979.0	1,842.0	10,621.0
2012	1,200.0	-	7,783.0	1,827.2	10,810.2
2013	1,200.0	-	7,403.0	881.8	9,484.8
2014	608.0	-	4,405.0	16.5	5,029.5
2015	694.0	-	2,773.0	9.2	3,476.2
2016	1,477.0	-	9,319.0	17.8	10,813.8
2017	1,350.0	-	13,590.0	-	14,940.0
2018	500.0	-	12,121.0	-	12,621.0
2019	250.0	-	13,645.0	257.8	14,152.8
2020	250.0	-	11,005.0	214.0	11,469.0
2021	-	-	2,468.0	36.0	2,504.0
2022	35.0	-	1,776.0	0.6	1,811.6
Totals	13,977.2	-	113,136.2	11,016.2	138,129.6

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

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

Table 3-5

City of Beaumont Wastewater Treatment Plant - Monthly Discharges 2007-2022

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

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

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

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average (mgd)	Annual (ac-ft)
2010	0.00	0.00	0.82	0.67	0.57	0.62	0.70	0.69	0.69	0.70	0.67	0.65	0.57	530
2011	0.66	0.63	0.63	0.63	0.58	0.45	0.52	0.63	0.64	0.60	0.55	0.54	0.59	660
2012	0.54	0.54	0.52	0.47	0.45	0.45	0.45	0.49	0.50	0.47	0.41	0.53	0.49	546
2013	0.48	0.52	0.45	0.43	0.25	0.44	0.52	0.61	0.33	0.69	0.57	0.41	0.47	530
2014	0.21	0.65	0.61	0.66	0.61	0.42	0.49	0.35	0.21	0.24	0.02	0.02	0.37	416
2015	0.24	0.20	0.31	0.31	0.22	0.38	0.37	0.23	0.00	0.00	0.00	0.00	0.19	212
Effluent discharges at DDP7 ceased at the end of 2015														

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

Overlying Party to the 2003 Judgment	Initial Overlying Water Right through 2013	New Overlying Water Right Starting in 2014	5-Year (2018-22) Average Production (ac-ft)	5-Year (2018-22) Running Avg % of Water Right
California Oak Valley Golf and Resort LLC ⁽¹⁾	950.0	735.84	545.7	74.2%
Sharondale Mesa Owners Association	200.0	154.91	115.8	74.7%
Plantation on the Lake LLC	581.0	450.02	284.5	63.2%
Tukwet Canyon Golf Club	2,200.0	1,704.05	1,010.4	59.3%
Rancho Calimesa Mobile Home Park	150.0	116.18	30.3	26.0%
Gutierrez, Hector, et al.	10.0	7.75	1.4	18.2%
Darmont, Boris and Miriam	2.5	1.94	0.4	18.1%
Aldama, Nicolas and Amalia	7.0	5.42	0.9	15.8%
McAmis, Ronald L.	5.0	3.87	0.6	14.2%
Nikodinov, Nick	20.0	15.49	0.8	4.9%
Beckman, Walter M.	75.0	58.09	0.9	1.5%
Albor Properties III, LP	300.0	232.37	2.4	1.0%
Stearns, Leonard M. and Dorothy D.	200.0	154.91	0.7	0.5%
Sunny-Cal Egg and Poultry Company	1,439.5	1,114.99	4.2	0.4%
Merlin Properties	550.0	426.01	1.6	0.4%
Oak Valley Partners, LP ⁽²⁾	1,806.0	1,398.87	1.0	0.1%
Roman Catholic Bishop of San Bernardino	154.0	119.28	0.0	0.0%
	8,650.0	6,700.0	2,001.2	29.9%

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

(2) - Under Resolution 17-02, adopted August 30, 2017, Oak Valley Partners LP (OVP) agreed to transfer its Overlying water rights to particular development parcels, intending to secure commitment from YVWD to provide water service to development phases of OVP's Summerwind Ranch Specific Plan (Project) located in the Beaumont Basin. In 2018 OVP transferred a combined total of 180.40 ac-ft in overlying rights to YVWD. In a similar manner, an additional 2.65 ac-ft of former OVP's Overlying water rights were transferred to YVWD in early 2019. No additional transfers have been recorded since. These transfers have reduced OVP's Overlying water rights to 1,215.82 ac-ft from its adjusted 1,398.87 ac-ft.

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

Accounting Year	Overlying Water Right	Overlying Production	Unused Overlying Water Right	Allocation Year	City of Banning	City of Beaumont	Beaumont Cherry Valley WD	South Mesa Water Co.	Yucaipa Valley Water District	Total
2003	4,325	2,441	1,884	2008	592	0	801	235	256	1,884
2004	8,650	3,576	5,074	2009	1,595	0	2,157	633	689	5,074
2005	8,650	3,293	5,357	2010	1,684	0	2,277	669	728	5,357
2006	8,650	3,597	5,053	2011	1,588	0	2,148	631	686	5,053
2007	8,650	3,307	5,343	2012	1,679	0	2,272	667	726	5,343
2008	8,650	2,872	5,778	2013	1,816	0	2,456	721	785	5,778
2009	8,650	2,838	5,812	2014	1,827	0	2,471	725	789	5,812
2010	8,650	1,976	6,674	2015	2,097	0	2,837	833	906	6,674
2011	8,650	1,971	6,679	2016	2,099	0	2,839	833	907	6,679
2012	8,650	2,085	6,565	2017	2,063	0	2,791	819	891	6,565
2013	8,650	2,285	6,365	2018	2,001	0	2,706	794	864	6,365
2014	6,700	2,219	4,481	2019	1,408	0	1,905	559	609	4,481
2015	6,700	2,086	4,614	2020	1,450	0	1,962	576	627	4,614
2016	6,700	1,937	4,763	2021	1,497	0	2,025	594	647	4,763
2017	6,700	2,404	4,296	2022	1,350	0	1,826	536	583	4,296
2018 ¹	6,520	2,220	4,299	2023	1,351	0	1,828	537	584	4,299
2019 ²	6,517	1,773	4,744	2024	1,491	0	2,017	592	644	4,744
2020	6,517	1,912	4,605	2025	1,447	0	1,958	575	625	4,605
2021	6,517	1,966	4,551	2026	1,430	0	1,934	568	618	4,551
2022	6,517	2,135	4,382	2027	1,377	0	1,863	547	595	4,382

1.- In 2018, Oak Valley Partners, through three assignments, transferred a combined total of 180.40 ac-ft of Overlying Rights to the YVWD to serve certain parcels in the Beaumont Basin.

2.- In 2019, Oak Valley Partners, through a single assignment, transferred an additional 2.65 ac-ft of Overlying Rights to the YVWD to serve certain parcels in the Beaumont Basin.

Table 3-8
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
City of Banning - Authorized Storage Account: 80,000 ac-ft												
2003	0.0	2,514.5	0.0	2,174.2	340.3	0.0	0.0	0.0	0.0	0.0	340.3	340.3
2004	340.3	5,029.0	0.0	3,397.3	1,631.7	0.0	0.0	0.0	0.0	0.0	1,631.7	1,972.0
2005	1,972.0	5,029.0	0.0	1,808.6	3,220.4	0.0	0.0	0.0	0.0	0.0	3,220.4	5,192.5
2006	5,192.5	5,029.0	0.0	1,827.5	3,201.5	0.0	0.0	0.0	0.0	0.0	3,201.5	8,393.9
2007	8,393.9	5,029.0	0.0	2,772.6	2,256.4	0.0	0.0	1,500.0	0.0	0.0	3,756.4	12,150.3
2008	12,150.3	5,029.0	0.0	2,933.6	2,095.4	0.0	592.2	0.0	1,534.0	0.0	4,221.6	16,371.9
2009	16,371.9	5,029.0	0.0	2,095.0	2,934.0	0.0	1,594.7	0.0	2,741.2	0.0	7,269.8	23,641.8
2010	23,641.8	5,029.0	0.0	1,143.6	3,885.4	0.0	1,683.8	0.0	1,338.0	0.0	6,907.2	30,549.0
2011	30,549.0	5,029.0	0.0	1,341.7	3,687.3	0.0	1,588.2	0.0	800.0	0.0	6,075.5	36,624.5
2012	36,624.5	5,029.0	0.0	1,038.3	3,990.7	0.0	1,679.5	0.0	1,200.0	0.0	6,870.2	43,494.7
2013	43,494.7	2,514.5	0.0	2,100.7	413.8	0.0	1,816.1	0.0	1,200.0	0.0	3,430.0	46,924.7
2014	46,924.7	0.0	0.0	2,585.1	-2,585.1	0.0	1,826.7	0.0	608.0	0.0	-150.4	46,774.2
2015	46,774.2	0.0	0.0	1,678.3	-1,678.3	0.0	2,097.5	0.0	694.0	0.0	1,113.2	47,887.5
2016	47,887.5	0.0	0.0	1,472.7	-1,472.7	0.0	2,099.1	0.0	1,477.0	0.0	2,103.4	49,990.8
2017	49,990.8	0.0	0.0	1,443.5	-1,443.5	0.0	2,063.2	0.0	1,350.0	0.0	1,969.8	51,960.6
2018	51,960.6	0.0	0.0	2,260.8	-2,260.8	0.0	2,000.6	0.0	500.0	0.0	239.8	52,200.4
2019	52,200.4	0.0	0.0	2,121.3	-2,121.3	0.0	1,408.5	0.0	250.0	0.0	-462.8	51,737.5
2020	51,737.5	0.0	0.0	2,548.6	-2,548.6	0.0	1,450.3	0.0	250.0	0.0	-848.4	50,889.2
2021	50,889.2	0.0	0.0	3,668.1	-3,668.1	0.0	1,497.1	60.0	0.0	0.0	-2,111.0	48,778.1
2022	48,778.1	0.0	0.0	3,593.7	-3,593.7	0.0	1,350.3	0.0	35.0	0.0	-2,208.4	46,569.7

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
Beaumont Cherry Valley Water District - Authorized Storage Account: 80,000 ac-ft												
2003	0.0	3,401.0	0.0	3,511.9	-110.9	0.0	0.0	0.0	0.0	0.0	-110.9	-110.9
2004	-110.9	6,802.0	0.0	6,873.9	-71.9	0.0	0.0	0.0	0.0	0.0	-71.9	-182.8
2005	-182.8	6,802.0	0.0	7,025.6	-223.6	0.0	0.0	0.0	0.0	0.0	-223.6	-406.4
2006	-406.4	6,802.0	0.0	9,054.1	-2,252.1	0.0	0.0	0.0	3,501.0	0.0	1,248.9	842.5
2007	842.5	6,802.0	0.0	11,383.3	-4,581.3	0.0	0.0	1,500.0	4,501.0	0.0	1,419.7	2,262.2
2008	2,262.2	6,802.0	0.0	10,710.5	-3,908.5	0.0	801.0	2,500.0	2,399.0	0.0	1,791.5	4,053.7
2009	4,053.7	6,802.0	0.0	10,133.9	-3,331.9	0.0	2,156.8	2,000.0	2,741.2	0.0	3,566.1	7,619.8
2010	7,619.8	6,802.0	0.0	9,421.3	-2,619.3	0.0	2,277.4	0.0	5,727.0	0.0	5,385.1	13,004.9
2011	13,004.9	6,802.0	0.0	9,431.3	-2,629.3	0.0	2,148.1	3,500.0	7,979.0	0.0	10,997.8	24,002.8
2012	24,002.8	6,802.0	0.0	10,162.0	-3,360.0	0.0	2,271.5	0.0	7,783.0	0.0	6,694.5	30,697.3
2013	30,697.3	3,401.0	0.0	11,097.4	-7,696.4	0.0	2,456.4	0.0	7,403.0	0.0	2,163.0	32,860.3
2014	32,860.3	0.0	0.0	10,805.5	-10,805.5	0.0	2,470.6	0.0	4,405.0	0.0	-3,929.9	28,930.4
2015	28,930.4	0.0	0.0	8,972.8	-8,972.8	0.0	2,836.9	0.0	2,773.0	0.0	-3,362.8	25,567.6
2016	25,567.6	0.0	0.0	10,159.8	-10,159.8	0.0	2,839.1	0.0	9,319.0	0.0	1,998.3	27,565.9
2017	27,565.9	0.0	0.0	11,650.7	-11,650.7	0.0	2,790.6	0.0	13,590.0	0.0	4,729.9	32,295.8
2018	32,295.8	0.0	0.0	12,209.2	-12,209.2	0.0	2,705.9	0.0	12,121.0	0.0	2,617.7	34,913.4
2019	34,913.4	0.0	0.0	11,140.9	-11,140.9	0.0	1,905.0	0.0	13,645.0	0.0	4,409.1	39,322.5
2020	39,322.5	0.0	0.0	12,539.2	-12,539.2	0.0	1,961.5	0.0	11,005.0	0.0	427.3	39,749.8
2021	39,749.8	0.0	0.0	12,609.5	-12,609.5	0.0	2,024.9	447.8	2,468.0	0.0	-7,668.8	32,081.0
2022	32,081.0	0.0	0.0	12,490.4	-12,490.4	0.0	1,826.3	0.0	1,776.0	0.0	-8,888.1	23,192.9

1 -- Negative values of under production indicate that the appropriator pumped more th .

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
City of Beaumont - Authorized Storage Account: 30,000 ac-ft												
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
South Mesa Water Company - Authorized Storage Account: 20,000 ac-ft												
2003	0.0	998.0	0.0	223.2	774.8	0.0	0.0	0.0	0.0	0.0	774.8	774.8
2004	774.8	1,996.0	0.0	482.5	1,513.5	0.0	0.0	0.0	0.0	0.0	1,513.5	2,288.3
2005	2,288.3	1,996.0	0.0	663.2	1,332.8	0.0	0.0	0.0	0.0	0.0	1,332.8	3,621.1
2006	3,621.1	1,996.0	0.0	616.0	1,380.0	0.0	0.0	0.0	0.0	0.0	1,380.0	5,001.1
2007	5,001.1	1,996.0	0.0	665.8	1,330.2	0.0	0.0	-3,000.0	0.0	0.0	-1,669.8	3,331.3
2008	3,331.3	1,996.0	0.0	470.9	1,525.2	0.0	235.2	-2,500.0	0.0	0.0	-739.7	2,591.6
2009	2,591.6	1,996.0	0.0	382.2	1,613.8	0.0	633.2	-2,000.0	0.0	0.0	247.0	2,838.6
2010	2,838.6	1,996.0	0.0	405.0	1,591.0	0.0	668.6	0.0	0.0	0.0	2,259.6	5,098.2
2011	5,098.2	1,996.0	0.0	419.9	1,576.1	0.0	630.6	-3,500.0	0.0	0.0	-1,293.3	3,805.0
2012	3,805.0	1,996.0	0.0	448.5	1,547.5	0.0	666.9	0.0	0.0	0.0	2,214.4	6,019.4
2013	6,019.4	998.0	0.0	308.4	689.7	0.0	721.1	0.0	0.0	0.0	1,410.8	7,430.2
2014	7,430.2	0.0	0.0	473.7	-473.7	0.0	725.3	0.0	0.0	0.0	251.6	7,681.7
2015	7,681.7	0.0	0.0	317.2	-317.2	0.0	832.9	0.0	0.0	0.0	515.7	8,197.5
2016	8,197.5	0.0	0.0	352.6	-352.6	0.0	833.5	0.0	0.0	0.0	480.9	8,678.3
2017	8,678.3	0.0	0.0	368.1	-368.1	0.0	819.3	0.0	0.0	0.0	451.2	9,129.5
2018	9,129.5	0.0	0.0	364.9	-364.9	0.0	794.4	0.0	0.0	0.0	429.5	9,559.0
2019	9,559.0	0.0	0.0	330.7	-330.7	0.0	559.3	0.0	0.0	0.0	228.6	9,787.5
2020	9,787.5	0.0	0.0	229.2	-229.2	0.0	575.9	0.0	0.0	0.0	346.7	10,134.2
2021	10,134.2	0.0	0.0	466.0	-466.0	0.0	594.5	0.0	0.0	0.0	128.4	10,262.7
2022	10,262.7	0.0	0.0	574.7	-574.7	0.0	536.2	0.0	0.0	0.0	-38.5	10,224.1

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
Morongo Band of Mission Indians - Authorized Storage Account: 20,000 ac-ft												
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Gorgonio Pass Water Agency - Authorized Storage Account: 10,000 ac-ft												
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	257.8	0.0	257.8	257.8
2020	257.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	214.0	0.0	214.0	471.8
2021	471.8	0.0	0.0	0.0	0.0	0.0	0.0	-507.8	36.0	0.0	-471.8	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.6

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
Yucaipa Valley Water District - Authorized Storage Account: 50,000 ac-ft												
2003	0.0	1,086.5	0.0	1,162.4	-75.9	0.0	0.0	0.0	0.0	0.0	-75.9	-75.9
2004	-75.9	2,173.0	0.0	1,833.7	339.3	0.0	0.0	0.0	0.0	0.0	339.3	263.4
2005	263.4	2,173.0	0.0	1,281.3	891.7	0.0	0.0	0.0	0.0	0.0	891.7	1,155.1
2006	1,155.1	2,173.0	0.0	2,027.3	145.7	0.0	0.0	0.0	0.0	0.0	145.7	1,300.8
2007	1,300.8	2,173.0	0.0	1,682.9	490.1	0.0	0.0	0.0	0.0	0.0	490.1	1,790.9
2008	1,790.9	2,173.0	0.0	572.0	1,601.0	0.0	255.9	0.0	0.0	0.0	1,856.8	3,647.8
2009	3,647.8	2,173.0	0.0	504.4	1,668.6	0.0	689.0	0.0	0.0	0.0	2,357.6	6,005.4
2010	6,005.4	2,173.0	0.0	672.4	1,500.6	0.0	727.5	0.0	0.0	0.0	2,228.1	8,233.5
2011	8,233.5	2,173.0	0.0	534.1	1,638.9	0.0	686.2	0.0	0.0	0.0	2,325.1	10,558.6
2012	10,558.6	2,173.0	0.0	700.1	1,472.9	0.0	725.6	0.0	0.0	0.0	2,198.5	12,757.2
2013	12,757.2	1,086.5	0.0	1,030.8	55.7	0.0	784.7	0.0	0.0	0.0	840.4	13,597.6
2014	13,597.6	0.0	0.0	1,198.5	-1,198.5	0.0	789.2	0.0	0.0	0.0	-409.2	13,188.4
2015	13,188.4	0.0	0.0	119.2	-119.2	0.0	906.3	0.0	0.0	0.0	787.1	13,975.5
2016	13,975.5	0.0	0.0	4.6	-4.6	0.0	907.0	0.0	0.0	0.0	902.4	14,877.9
2017	14,877.9	0.0	0.0	0.1	-0.1	0.0	891.5	0.0	0.0	0.0	891.3	15,769.2
2018	15,769.2	0.0	0.0	191.2	-191.2	180.4	864.4	0.0	0.0	0.0	853.6	16,622.8
2019	16,622.8	0.0	0.0	528.6	-528.6	183.1	608.6	0.0	0.0	0.0	263.0	16,885.8
2020	16,885.8	0.0	0.0	1,407.7	-1,407.7	183.1	626.6	0.0	0.0	0.0	-598.1	16,287.7
2021	16,287.7	0.0	0.0	1,228.5	-1,228.5	183.1	646.9	0.0	0.0	0.0	-398.6	15,889.2
2022	15,889.2	0.0	0.0	686.5	-686.5	183.1	583.4	0.0	0.0	0.0	79.9	15,969.1

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Table 3-8 (Continued)
Consolidation of Appropriator Production and Storage Accounts
Calendar Year Accounting (ac-ft) 2003 through 2022

Calendar Year	Storage Account Balance at Beginning of CY	Share of Surplus Water	Appropriative Rights	Production	Additions to Storage Account							Ending Account Balance
					Under / Over Production ⁽¹⁾	Overlying Users Parcel Conversion	Unused Overlying Production Allocation	Transfers Among Appropriators/ SGPWA	SWP Water Recharge	Local Recharge	Total Additions to Storage Account	
Totals - All Agencies with Storage Accounts												
2003	0.0	8,000.0	0.0	7,071.7	928.3	0.0	0.0	0.0	0.0	0.0	928.3	928.3
2004	928.3	16,000.0	0.0	12,587.4	3,412.6	0.0	0.0	0.0	0.0	0.0	3,412.6	4,340.9
2005	4,340.9	16,000.0	0.0	10,778.6	5,221.4	0.0	0.0	0.0	0.0	0.0	5,221.4	9,562.3
2006	9,562.3	16,000.0	0.0	13,524.9	2,475.1	0.0	0.0	0.0	3,501.0	0.0	5,976.1	15,538.3
2007	15,538.3	16,000.0	0.0	16,504.6	-504.6	0.0	0.0	0.0	4,501.0	0.0	3,996.4	19,534.8
2008	19,534.8	16,000.0	0.0	14,687.0	1,313.0	0.0	1,884.2	0.0	3,933.0	0.0	7,130.2	26,665.0
2009	26,665.0	16,000.0	0.0	13,115.6	2,884.4	0.0	5,073.7	0.0	5,482.4	0.0	13,440.6	40,105.6
2010	40,105.6	16,000.0	0.0	11,642.3	4,357.7	0.0	5,357.4	0.0	7,065.0	0.0	16,780.0	56,885.6
2011	56,885.6	16,000.0	0.0	11,727.0	4,273.0	0.0	5,053.3	0.0	8,779.0	0.0	18,105.3	74,990.9
2012	74,990.9	16,000.0	0.0	12,348.9	3,651.1	0.0	5,343.5	0.0	8,983.0	0.0	17,977.6	92,968.6
2013	92,968.6	8,000.0	0.0	14,537.2	-6,537.2	0.0	5,778.4	0.0	8,603.0	0.0	7,844.2	100,812.7
2014	100,812.7	0.0	0.0	15,062.8	-15,062.8	0.0	5,811.8	0.0	5,013.0	0.0	-4,237.9	96,574.8
2015	96,574.8	0.0	0.0	11,087.4	-11,087.4	0.0	6,673.5	0.0	3,467.0	0.0	-946.9	95,628.0
2016	95,628.0	0.0	0.0	11,989.7	-11,989.7	0.0	6,678.6	0.0	10,796.0	0.0	5,484.9	101,112.9
2017	101,112.9	0.0	0.0	13,462.4	-13,462.4	0.0	6,564.6	0.0	14,940.0	0.0	8,042.2	109,155.0
2018	109,155.0	0.0	0.0	15,026.1	-15,026.1	180.4	6,365.2	0.0	12,621.0	0.0	4,140.5	113,295.6
2019	113,295.6	0.0	0.0	14,121.5	-14,121.5	183.1	4,481.3	0.0	14,152.8	0.0	4,695.6	117,991.2
2020	117,991.2	0.0	0.0	16,724.7	-16,724.7	183.1	4,614.3	0.0	11,469.0	0.0	-458.4	117,532.8
2021	117,532.8	0.0	0.0	17,972.1	-17,972.1	183.1	4,763.3	0.0	2,504.0	0.0	-10,521.8	107,011.0
2022	107,011.0	0.0	0.0	17,345.3	-17,345.3	183.1	4,296.1	0.0	1,811.6	0.0	-11,054.5	95,956.4

1 -- Negative values of under production indicate that the appropriator pumped more than its share of the operating yield.

Section 4

Water Quality Conditions

The purpose of this section is to document the water quality conditions in the Beaumont Basin during the 2018-2022 reporting period. TDS and nitrate concentrations in the basin are compared against groundwater quality objectives for anti-degradation and maximum benefit as established by the Regional Board for TDS and Nitrate (as N) in the Beaumont Management Zone (BMZ). In addition, water quality concentrations for a number of compounds are compared against Federal and State Drinking Water Standards. Figure 4-1 depicts all the wells that have groundwater quality data for the reporting period.

Sources and Availability of Water Quality Information

There are two main sources of data used in the assessment of water quality conditions in the Beaumont Basin and near surroundings: namely, the California Department of Public Health database, as part of the Groundwater Ambient Monitoring and Assessment (GAMA) program, and the Beaumont Management Zone Maximum Benefit Monitoring Program. The GAMA database obtained from the State Water Resources Control Board focuses on drinking water sources; it contains 5,301 water quality results for the 2018-2022 reporting period. Water quality from the BMZ Maximum Benefit Monitoring Program was also available for the same period.

4.1 Comparison with Management Zone Objectives

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

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

4.1.1 Total Dissolved Solids

Figure 4-2 shows the maximum TDS concentrations for 59 wells measured within and in the vicinity of the Beaumont Basin wells during the 2018-2022 reporting period. A total of 31 wells are located inside the Beaumont Basin, 17 in the Singleton Basin / Edgar Canyon and the remaining 11 in the South Beaumont Basin.

Maximum TDS concentrations for wells owned by appropriators within the basin ranged from 170 to 350 mg/L and averaged 229 mg/L; this average of maximum values at each well is 26 mg/L lower than the average maximum TDS concentration reported in the 2008-11 Engineering Report of 255 mg/L. Of the 12 overlying wells, maximum TDS concentrations ranged from 100 to 340 mg/L and averaged 248 mg/L, 19 mg/L higher than the average of maximum values for appropriator's wells. The average TDS for all 96 water quality samples collected during the reporting period from all wells in the Beaumont Basin was 224 mg/L.

In the Singleton Basin / Edgar Canyon area, maximum TDS concentrations ranged from 210 to 400 mg/L and averaged 277 mg/L. The average TDS concentration for all 40 samples collected from wells in the Singleton Basin was 280 mg/L, 56 mg/L higher than the average TDS concentration in the Beaumont Basin during the reporting period.

In the South Beaumont Basin, maximum TDS concentrations ranged from 270 to 870 mg/L and averaged 494 mg/L. Average TDS concentration for all 65 samples collected from wells in this basin was 439 mg/L.

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

Well Classification	Count	Samples	Average Concentration	Avg Max Concentration
Beaumont Groundwater Basin				
Appropriators	15	24	229	226
Overliers	12	50	218	248
Others	4	22	235	278
Total	31	96	224	241
Singleton Basin / Edgar Canyon Area				
All Wells	17	40	280	277
South Beaumont Basin				
All Wells	11	65	439	494

Of the 27 wells owned by appropriators and overlies, 16 wells had a maximum concentration equal to or below the anti-degradation objective of 230 mg/L, 9 wells were between the anti-degradation and maximum benefit objective of 330 mg/L, and two (BCVWD 16 and SMHOA 2) exceeded the maximum benefit objective for the BMZ at 330 mg/L. None of the production wells samples exceeded the secondary federal or state drinking water standard for TDS (500 mg/L). BCVWD wells along Edgar Canyon were not included in the analysis of domestic wells.

In the Singleton Basin / Edgar Canyon area, there were no wells with a maximum TDS concentration below the anti-degradation objective, 16 wells had maximum TDS

concentrations between the anti-degradation and maximum benefit objective of 330 mg/L, and the remaining well exceeded the maximum objective, no wells exceeded the secondary MCL. .

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

4.1.2 Nitrate as N

Figure 4-3 shows the maximum Nitrate concentrations for 59 wells measured within and in the vicinity of the Beaumont Basin wells during the 2018-2022 reporting period. A total of 31 wells are located inside the basin, 17 wells in the Singleton Basin / Edgar Canyon and the remaining 11 in the South Beaumont Basin.

Maximum Nitrate concentrations for wells owned by appropriators within the basin ranged from 0.98 to 7.00 mg/L and averaged 2.53 mg/L. Of the 12 overlying wells, maximum Nitrate concentrations ranged from 0.25 to 6.90 mg/L and averaged 3.38 mg/L, 0.85 mg/L higher than the average of maximum values for appropriator's wells. The average Nitrate concentration for all 291 water quality samples collected in the Beaumont Basin was 3.17 mg/L.

In the Singleton Basin / Edgar Canyon area, maximum Nitrate concentrations ranged from 0.60 to 14.0 mg/L and averaged 3.27 mg/L. Average concentration for all samples in this area was 3.50 mg/L.

In the South Beaumont Basin, maximum Nitrate concentrations ranged from 3.1 to 22.0 mg/L and averaged 10.9 mg/L. Average concentration for all samples in this area was 9.12 mg/L.

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

Well Classification	No. of Wells	Samples	Average Concentration	Avg Max Concentration
Beaumont Groundwater Basin				
Appropriators	15	139	2.96	2.53
Overliers	12	130	3.68	3.38
Other	4	22	1.55	1.20
Total	31	291	3.17	2.68
Singleton Basin / Edgar Canyon Area				
All Wells	17	69	3.50	3.27
South Beaumont Basin				
All Wells	11	66	9.12	10.90

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

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

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

4.1.3 Nitrate Studies in the Beaumont Management Zone

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

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

Summary of Wildermuth Environmental Inc. Study

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

- ✓ A review of scientific literature,
- ✓ A field study to estimate nitrogen concentrations in soil water below selected OSWDS,
- ✓ A tracer study of nitrogen isotope and pharmaceutical and personal care products (PPCP) to confirm the presence of effluent from OSWDS,
- ✓ An estimation of current and future discharge from OSWDS to groundwater,

- ✓ A planning-level evaluation of basin impacts using the groundwater flow and nitrate transport model, and
- ✓ A review of the threshold used in California to compel sewerage when OSWDS contaminate or threaten to contaminate groundwater

The results of the investigation are summarized as follows:

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

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

Summary of University of California, Riverside Study

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

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

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

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

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

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

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

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

According to the study,

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

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

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

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

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

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

The report indicates that in Zone 1 the isotopes of nitrate values overlap those expected for human or animal waste. Similarly, in Zone 3 the isotopic composition of water suggests a high

probability of inputs of nitrate from human or animal waste. The presence of PPCPs in most samples indicates the possibility that septic systems are contaminating groundwater within the central part of Cherry Valley.

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

The report documents the following findings:

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

4.2 Comparison with Federal and State Drinking Water Standards

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

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

The objective of this water quality analysis was to determine whether any of the potable wells in the Beaumont Basin exceeded the Primary or Secondary Federal and State standards or the Notification Levels (NL) set by the state. Federal standards are set by the United States Environmental Protection Agency (USEPA). These standards determine the maximum concentration allowable for a specific contaminant in drinking water. States have the option to

adopt more stringent standards or develop standards regulations for contaminants that the federal government has not acted on. In California the State Water Resources Control Board's Division of Drinking Water is responsible for regulated public water systems that provide drinking water across the State and for establishing drinking water standards for contaminants that threaten our water supply.

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

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

Appendix G contains summary statistics of the analytical results for the 2018-2022 period for selected chemicals that have a federal or state drinking water standard as reported in the GAMA database.

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

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

4.2.2 Trace Metals

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

Table 4-1
Nitrate (NO₃) and TDS Summary for Domestic Wells (2018-22)

Agency/ Well No.	Nitrate as NO ₃			Total Dissolved Solids (TDS)		
	Count	Avg	Max	Count	Ave	Max
City of Banning						
Well C-2A	8	7.8	9.0	1	220	220
Well C-3	5	7.5	9.0	1	170	170
Well C-4	8	4.4	6.8	1	200	200
Well M-3	8	9.4	10.4	1	260	260
Beaumont Cherry Valley Water District						
Well 03	4	3.6	4.5	1	190	190
Well 16	32	25.8	31.5	2	340	350
Well 21	31	13.6	15.3	3	257	270
Well 22	4	5.1	6.3	2	210	220
Well 23	7	9.9	12.2	2	265	270
Well 24	5	7.2	8.6	2	200	200
Well 25	5	5.0	6.3	2	225	230
Well 26	5	3.6	4.5	1	180	180
Well 29	5	9.9	12.6	2	210	210
South Mesa Water Company						
Well 4	7	15.9	19.8	2	200	220
Yucaipa Valley Water District						
Well 48	5	10.4	14.0	1	200	200
Overlying Users						
Sharondale 1	21	21.8	31.1	2	325	330
Sharondale 2	21	23.9	26.6	2	330	340
Plantation 1	5	9.3	9.9	1	260	260
RCMHP 1	13	21.2	24.8	1	260	260
RCMHP 2	19	23.3	28.8	2	260	270
Tukwet A	15	6.9	8.1	11	183	230
Tukwet D	16	10.1	11.7	11	211	250

Aluminum. There were 38 water samples taken during the reporting period and tested for aluminum. Aluminum concentration at all wells, except the city of Banning M-3 Well, was below 50 ug/L, significantly below the secondary MCL of 200 ug/L. Banning M-3 had a maximum concentration of 57 ug/L. Aluminum above the MCL can add color to water. One well exceeded the MCL during the FY 2004-08 reporting period.

Arsenic. The current MCL for Arsenic has been set at 10 ug/L. There were 40 water samples collected and tested for arsenic during the reporting period with most wells reporting under 2.0 ug/L. The highest arsenic concentration was observed at Tukwet Well A at 6.5 ug/L and SMWC's Well No. 4 at 4.4 ug/L. The rise in arsenic concentration at Tukwet's A from 3.7 ug/L in June 2017 to 6.5 ug/L in August 2020 is relatively a new event. Arsenic at SMWC's 4 has increased from 4.2 ug/L in 2009, to 4.6 ug/L in 2012, to the highest value of 5.2 ug/L in April 2013. Samples taken in April 2019 indicated a concentration of 3.8 ug/L, lower than previous samplings; however, the latest test, taken in April of 2022, indicated a concentration of 4.4 ug/L, within the average range of historical readings. YVWD reported a concentration of 2.5 ug/L in July 2017 at Well No. 48; however, the latest analysis (Jul 2020) did not show the presence of Arsenic. Based on the latest values reported, arsenic continues to be a non-issue in the Beaumont basin.

Iron. A total of 38 water samples were taken during the reporting period and tested for iron. In most cases iron concentration was below 100 ug/L., which is significantly below the current secondary MCL of 300 ug/L. However, in August 2016, BCVWD Well No. 3 showed a concentration of 450 ug/L, exceeding the secondary MCL. Iron concentration at this well was below 100 ug/L in the latest sample taken (Dec 2020). City of Banning Well M3 had the highest concentration of iron during the reporting period at 140 ug/L, well below the current secondary MCL. Iron at a concentration above the MCL can impact color, odor, and taste in water. Five wells exceeded the secondary MCL during the FY 2004-08 reporting period.

Lead. There were 38 water samples collected and tested for lead during the reporting period. Lead concentrations were all below 0.005 mg/L (5 ppb), which is well below the current primary MCL of 0.015 mg/L (15 ppb). Slightly higher concentrations were reported before 2014 at BCVWD Well No. 25 (0.0065 mg/L) and at Rancho Calimesa Mobile Home Park (RCMHP) Well No. 1 (0.0058 mg/L). Lead concentration at these two wells were below 0.005 mg/L from the latest sample available. One well exceeded the MCL during the FY 2004-08 reporting period.

Manganese. There were 38 water samples taken during the reporting period and tested for Manganese. Manganese concentration at all wells was below 20 ug/L, significantly below the secondary MCL of 50 ug/L. A concentration of 20ug/L (Dec 2019) was mistakenly reported in previous annual reports at BCVWD Well No. 16; actual concentration was below 20ug/L. Manganese can significantly impact color and taste in water at concentrations above the MCL. One monitoring well exceeded the secondary MCL during the FY 2004-08 reporting period.

Total Chromium. A total of 38 water samples were taken during the reporting period and tested for total chromium. The highest reported concentrations of total chromium were observed in December 2018 at BCVWD Well 26 at 16 ug/L and in March 2020 at Banning C-2A and Banning

C-04 also at 16 ug/L. These values are significantly below the current state primary MCL of 50 ug/L. One well exceeded the state primary MCL during the FY 2004-08 reporting period.

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

Copper. There were 38 water samples collected and tested for copper during the reporting period. None of the wells tested exceeded the detection limit of 50 ug/L. This concentration is significantly below the state secondary MCL of 1,000 ug/L. This is consistent with previous reporting periods.

Zinc. There were 38 water samples collected and tested for zinc during the reporting period. Zinc concentration in all wells was below 50 ug/L (ppb), which is significantly lower than the current secondary MCL of 5.0 mg/l (ppm).

4.2.3 Organic Compounds

There were over 3,400 lab results for 158 organic compounds during the reporting period. Concentrations of these compounds in most cases were below the detection limit for purpose of reporting or just above it. Compounds of special concern include the following:

- ✓ TCE – Trichloroethylene (TCE) – 32 samples collected all reported below detection limit of 0.5 ug/L. Current MCL is 5 ug/L.
- ✓ Tetrachloroethylene (PCE) - 33 samples collected all reported below detection limit of 0.5 ug/L. Current MCL is 5 ug/L.
- ✓ Dibromo-chloropropane (DBCP) - 44 samples collected with most below the detection limit of 0.01 ug/L. Five samples were reported above the detection limit at BCVWD 23; the highest concentration was reported at 0.048 ug/L in June 2019 while the latest concentration was 0.028 ug/L in December 2022. These concentrations are significantly below the current MCL of 0.2 ug/L.

4.2.4 pH

There are two secondary standards for pH, a lower limit of 6.5 and an upper limit of 8.5. There were two wells exceeding the upper MCL for pH during the reporting period, SMWC 4 at 9.0 (April 2019) and Tukwet A at 8.8 (Aug 2020). YVWD 48, previously reported at 8.7 (Jul 2017) is now below the upper limit at 8.1 (Jul 2020). In addition, there are a number of wells with pH in the 8.0 to 8.4 range including SMHOA 1 at 8.4, BCVWD No. 23, 25, and 26 and SMHOA 2 at 8.3; BCVWD No. 16, 21, 24 and 29, Banning Well C-2A, and M-3, RCMHP 1, Tukwet D and SMHOA 1 at 8.2. The lowest pH was reported from Plantation No. 1 at 7.5 (Mar 2020). Four wells in the basin exceeded the upper limit for pH during the FY 2004-08 reporting period.

4.2.5 Turbidity

Turbidity is a measure of the cloudiness of water and is used to indicate water quality and filtration effectiveness. Previous annual reports reported that all production wells in the Basin tested for turbidity none exceeded the primary federal and state MCL of 5 NTU. During the 2018-2022 reporting period, all wells had turbidity levels below 0.5 NTU.

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

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

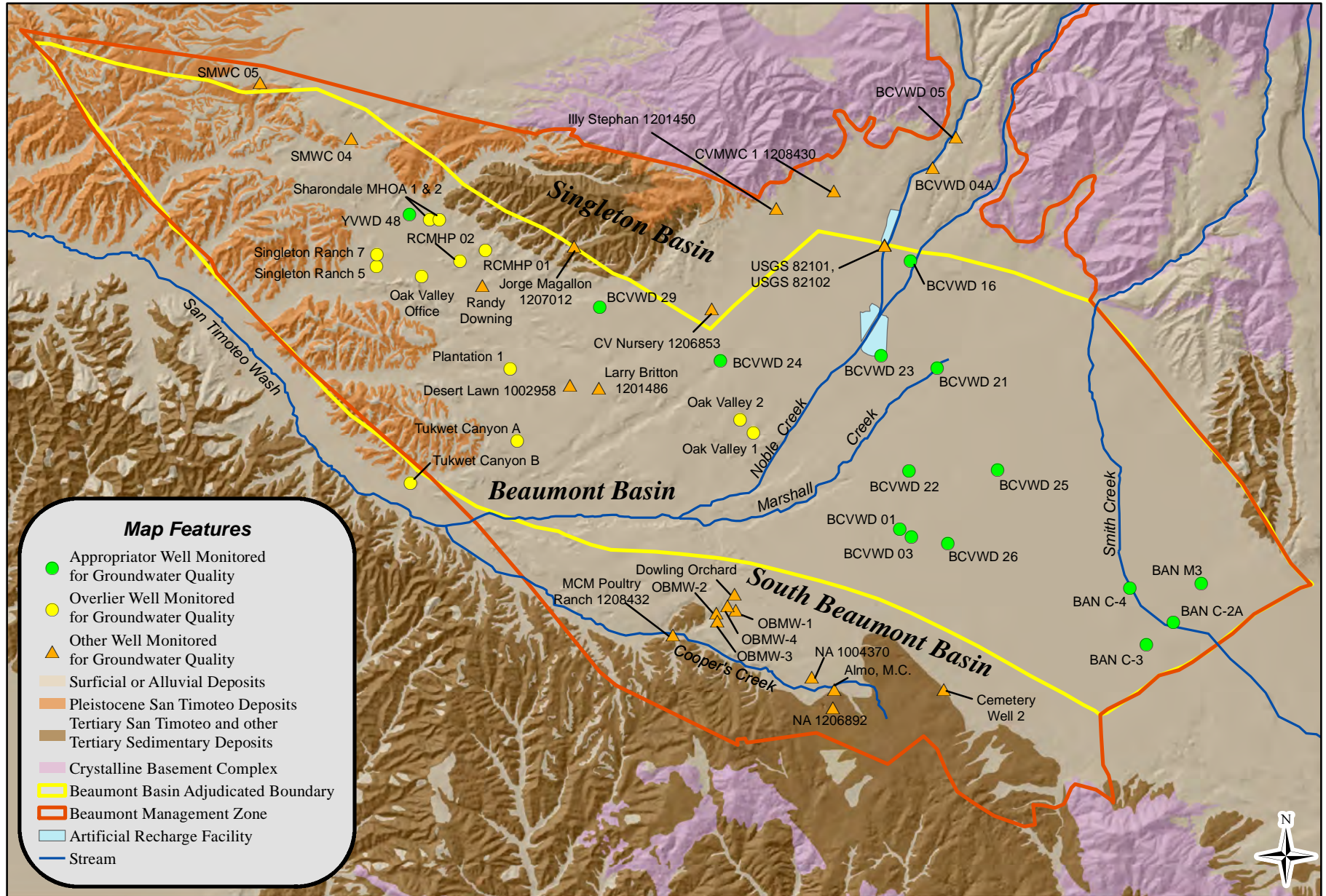
- ✓ Figure 4-4 – Noble Creek Area
- ✓ Figure 4-5 – East of Marshall Creek
- ✓ Figure 4-6 – Banning Area
- ✓ Figure 4-7 – West of Noble Creek
- ✓ Figure 4-8 – Northwest Area
- ✓ Figure 4-9 – Singleton Basin
- ✓ Figure 4-10 – South Beaumont Basin

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

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

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

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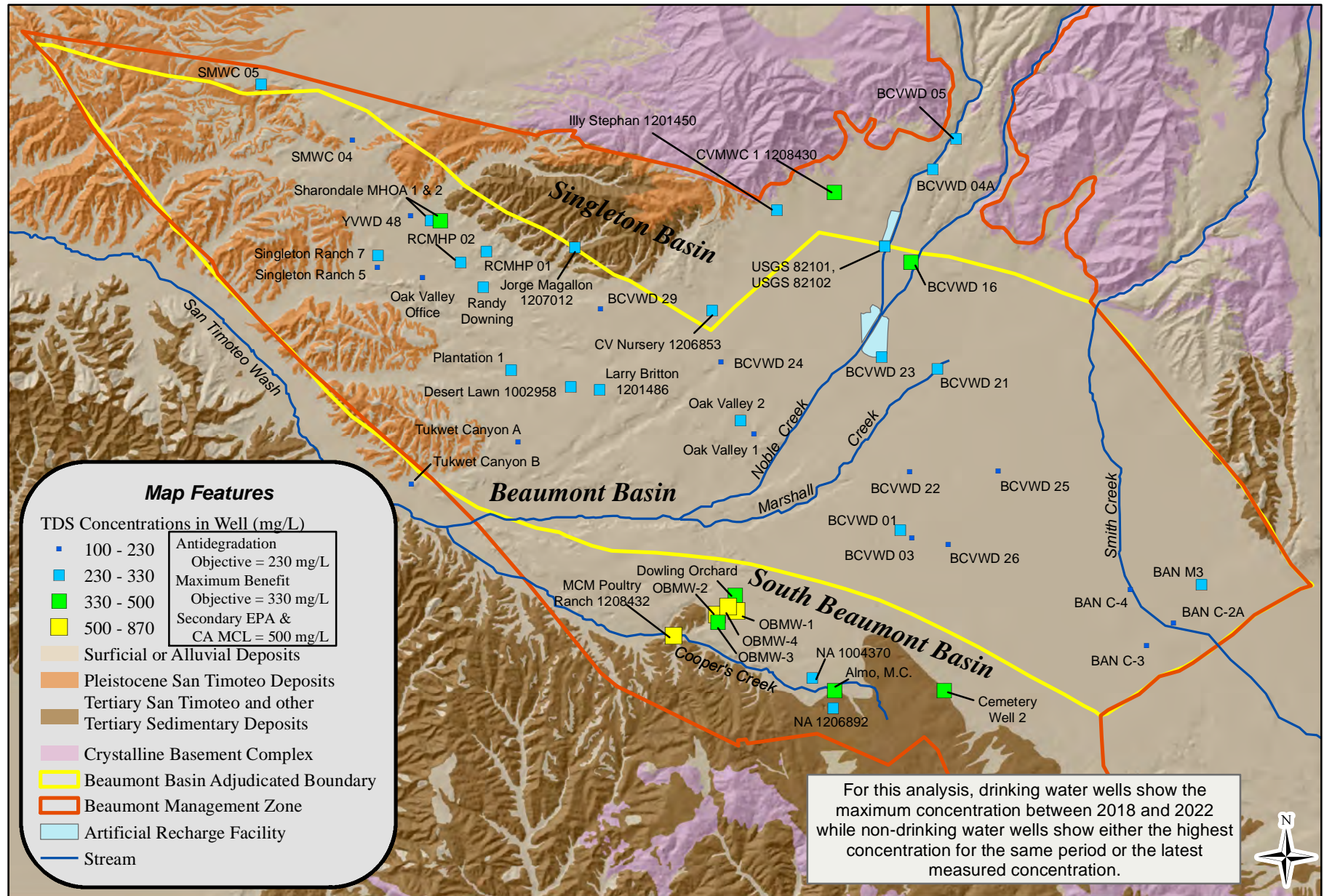
Thomas Harder & Co.
Groundwater Consulting

0 0.5 1 2 Miles
NAD 83 UTM Zone 11

**Wells with Groundwater Quality Data
in the Beaumont Basin Area**

Figure 4-1

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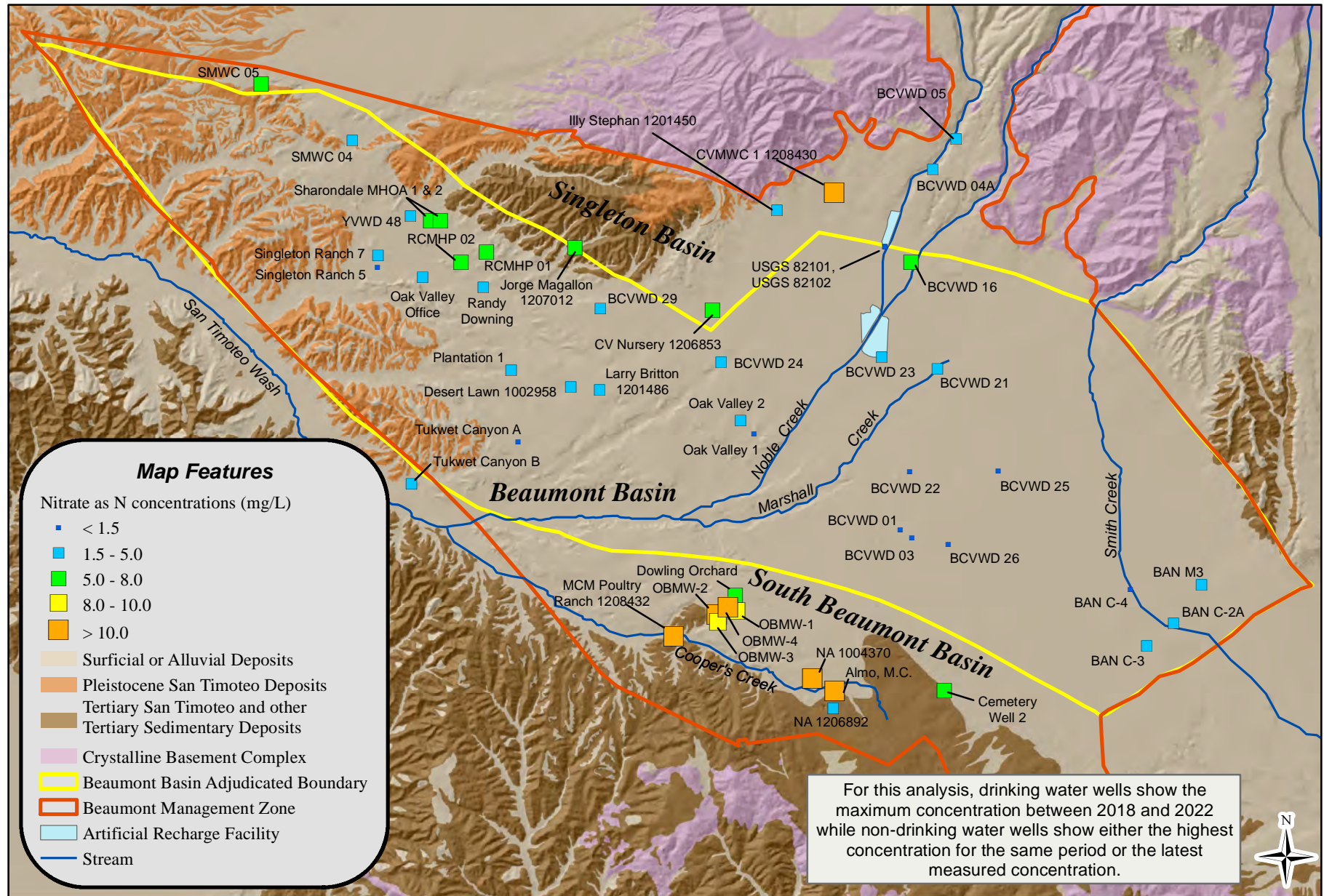
Alda, Inc. in association with

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Groundwater Consulting

**Total Dissolved Solids in Groundwater
(Maximum Concentrations 2018 to 2022)**

Figure 4-2

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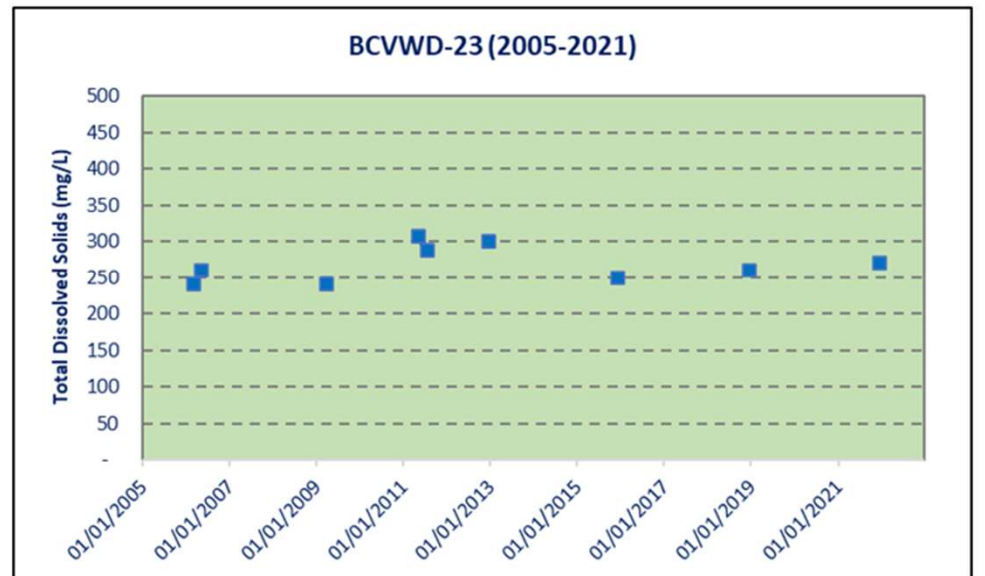
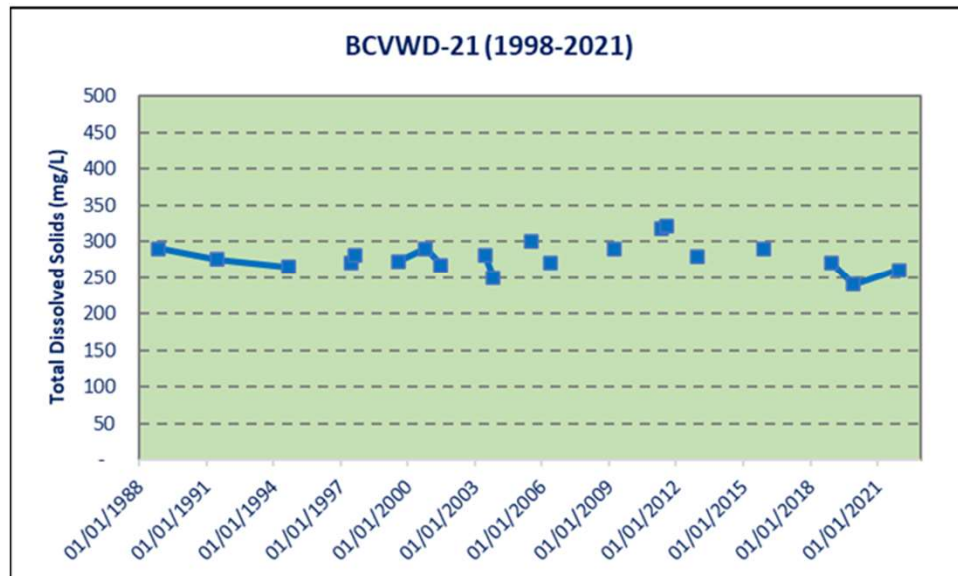
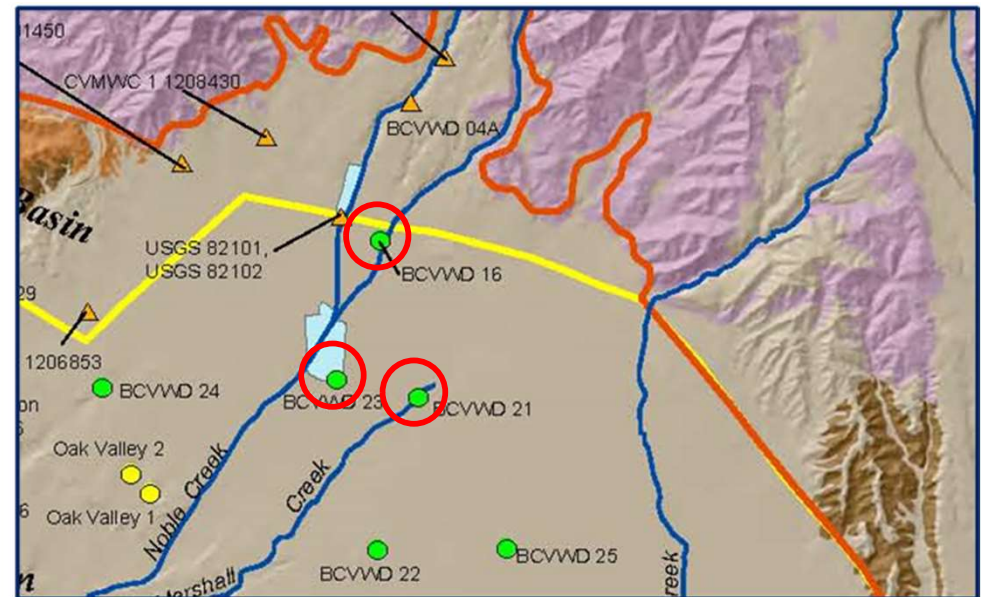
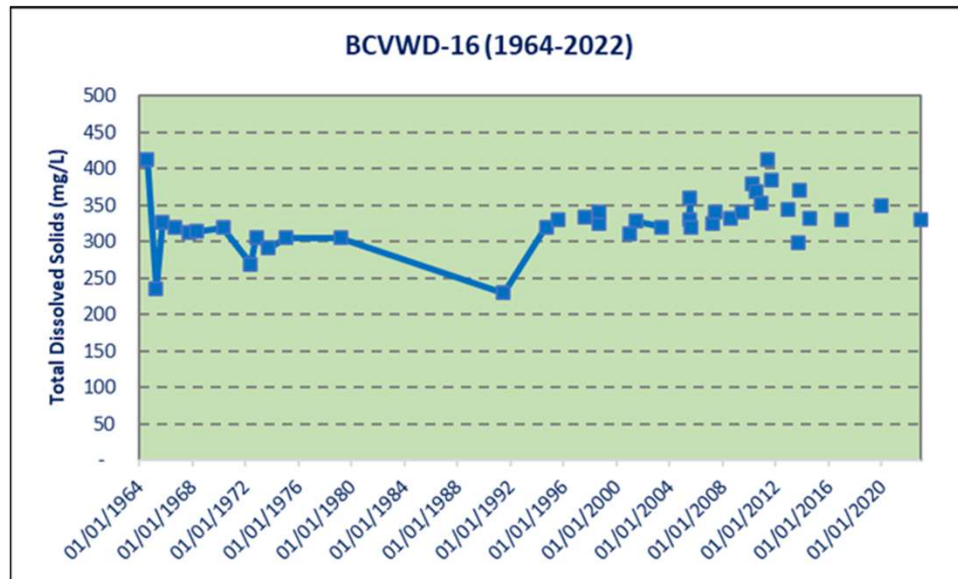


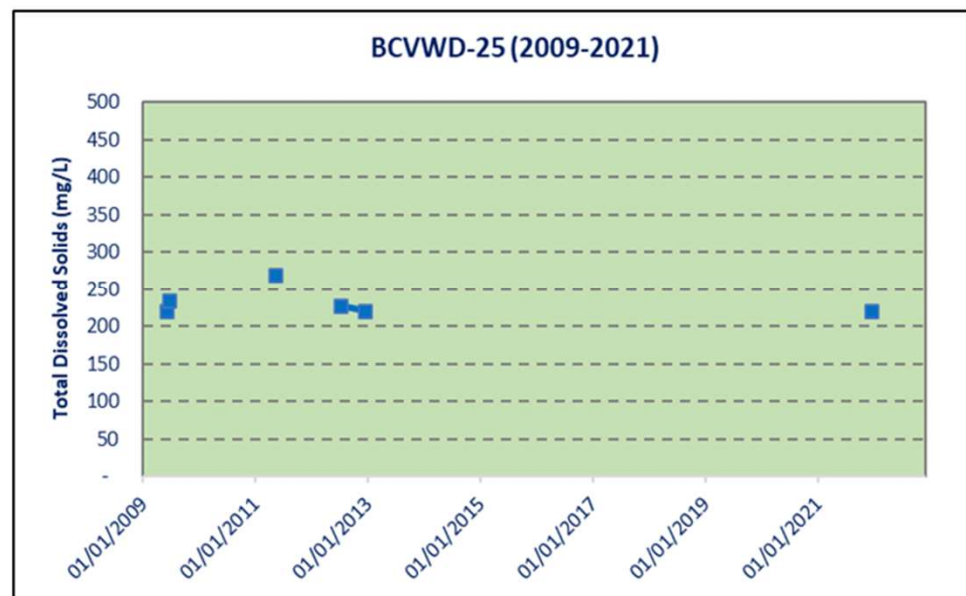
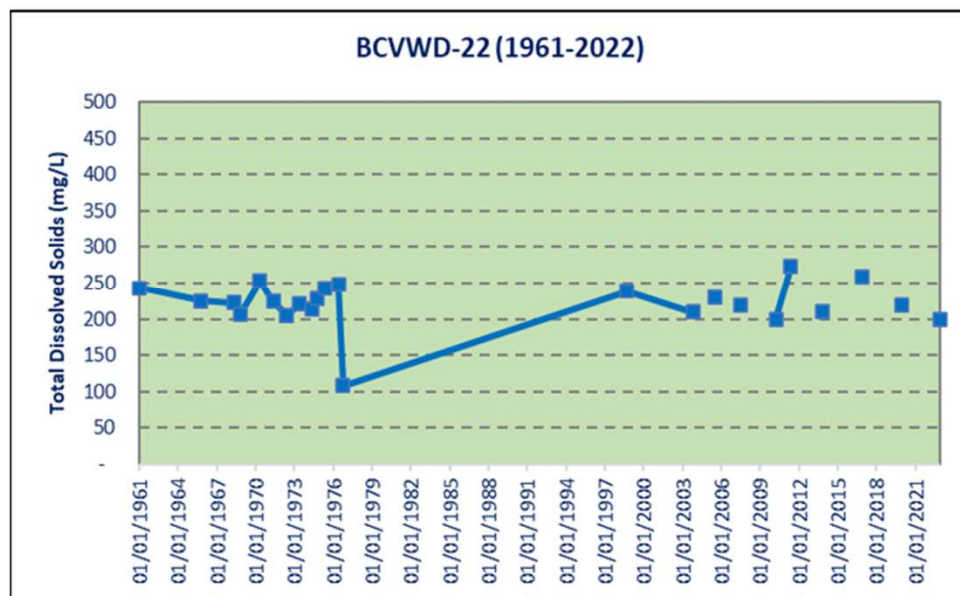
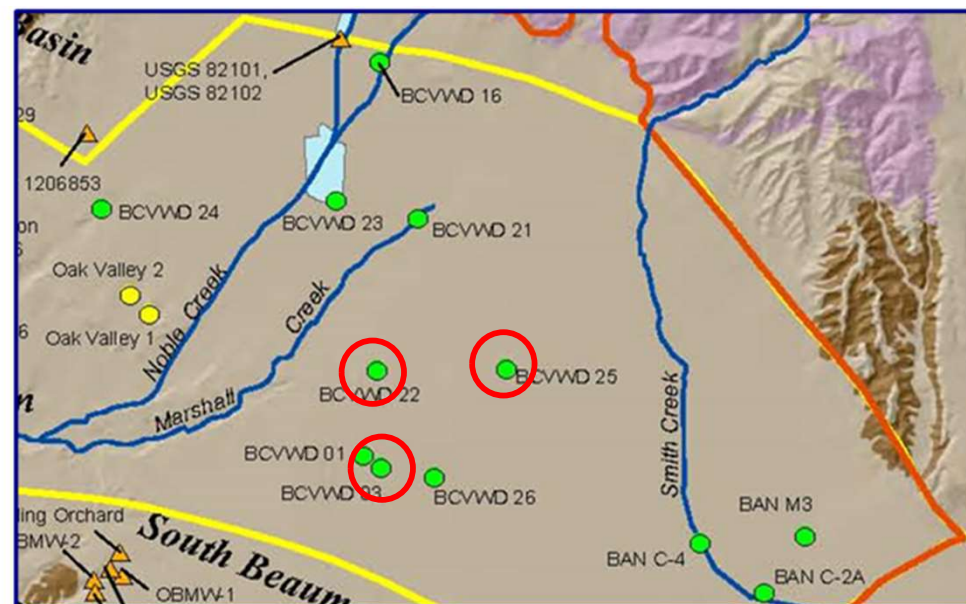
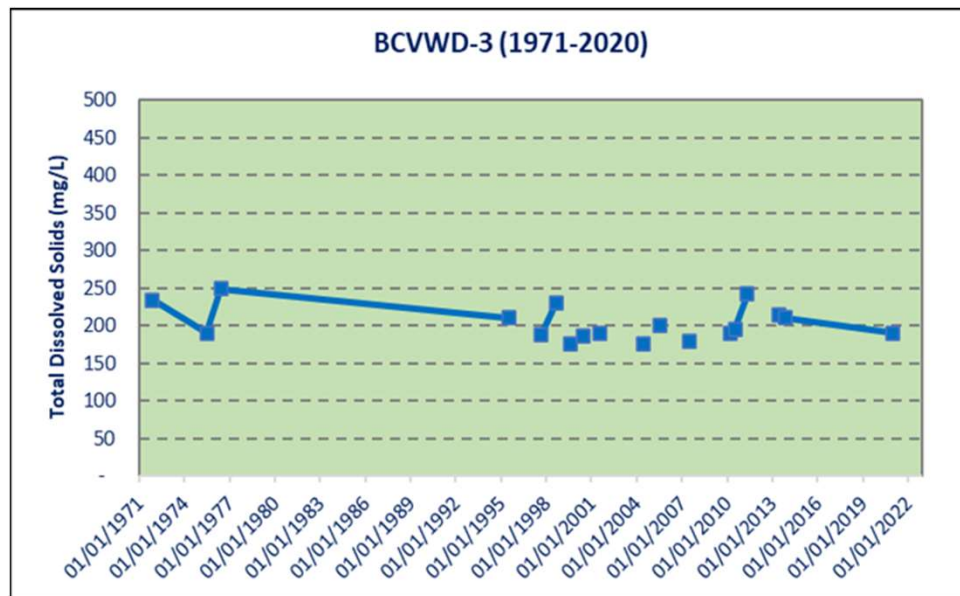
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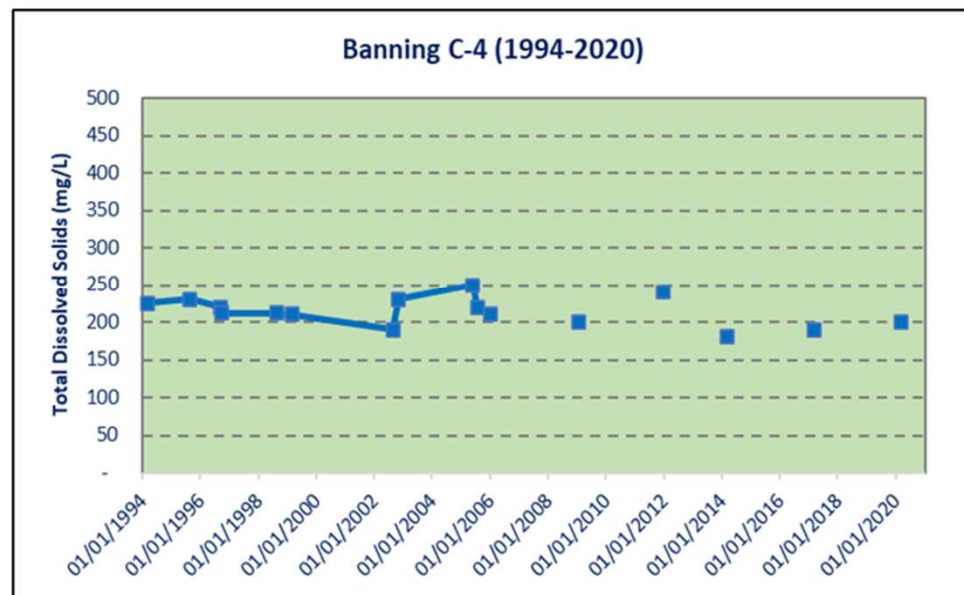
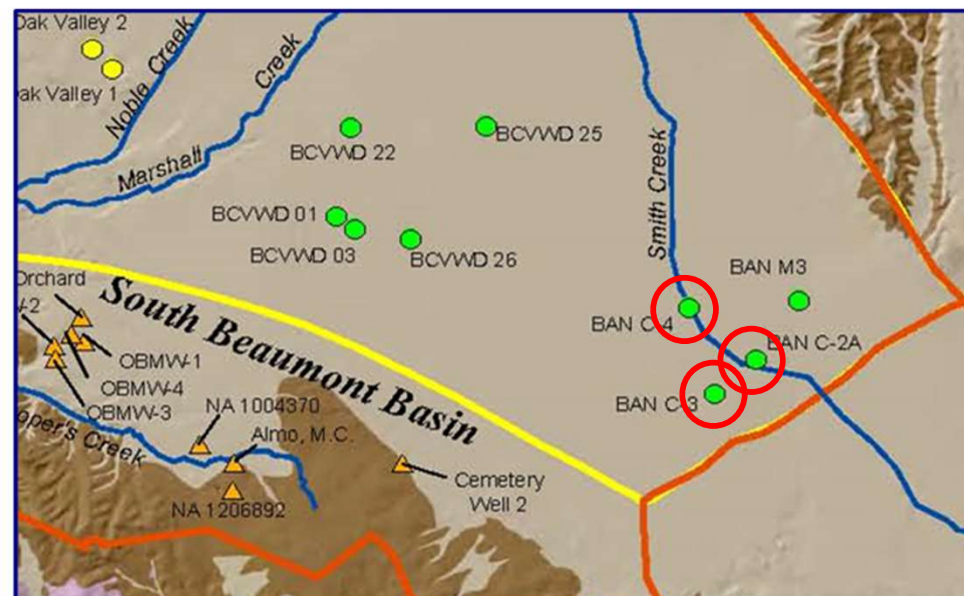
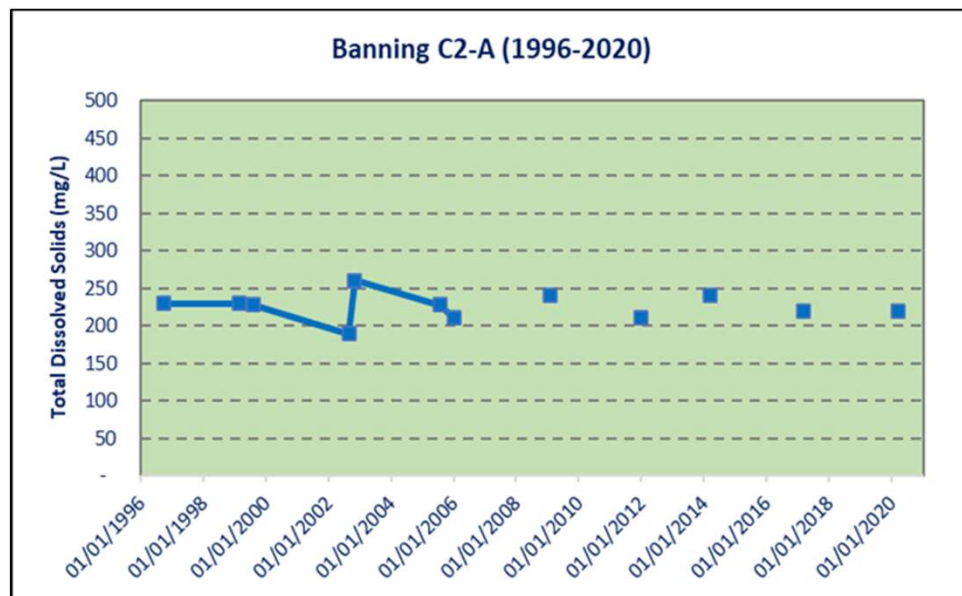
Thomas Harder & Co.
Groundwater Consulting

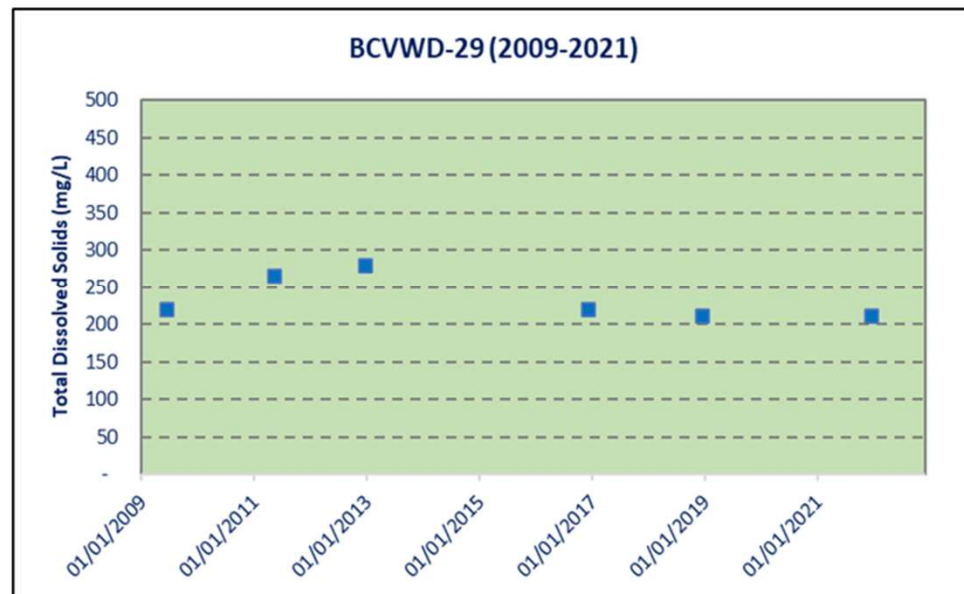
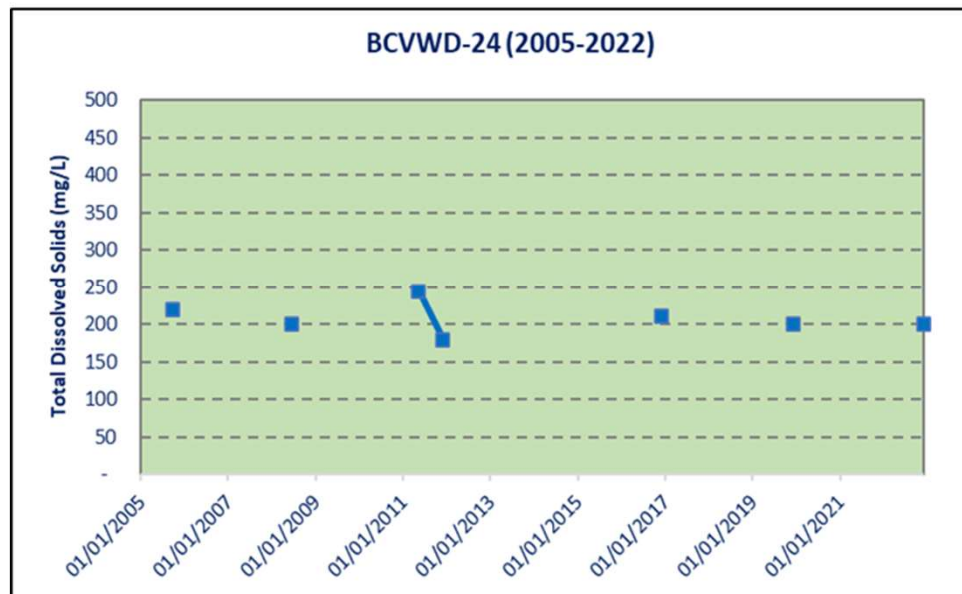
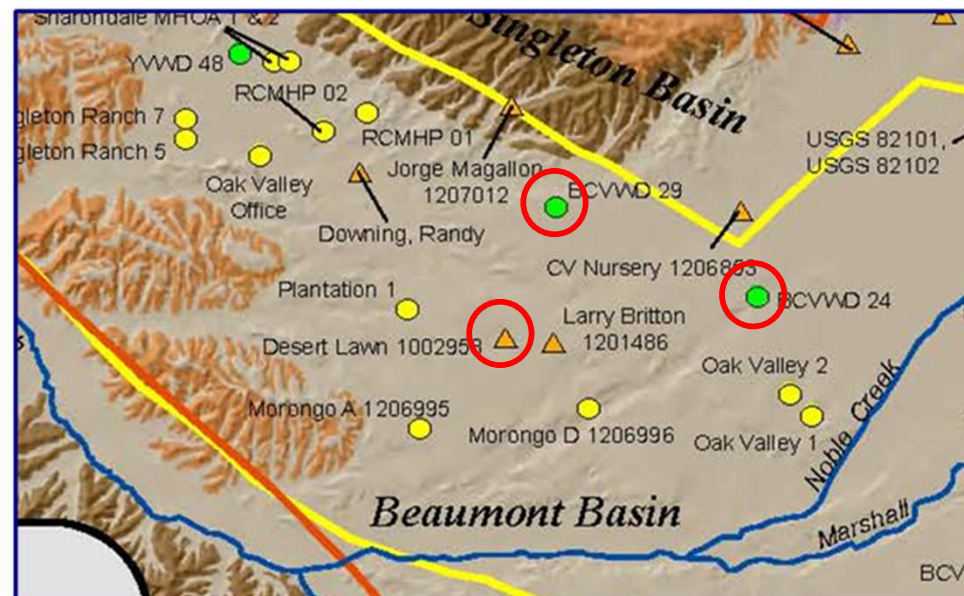
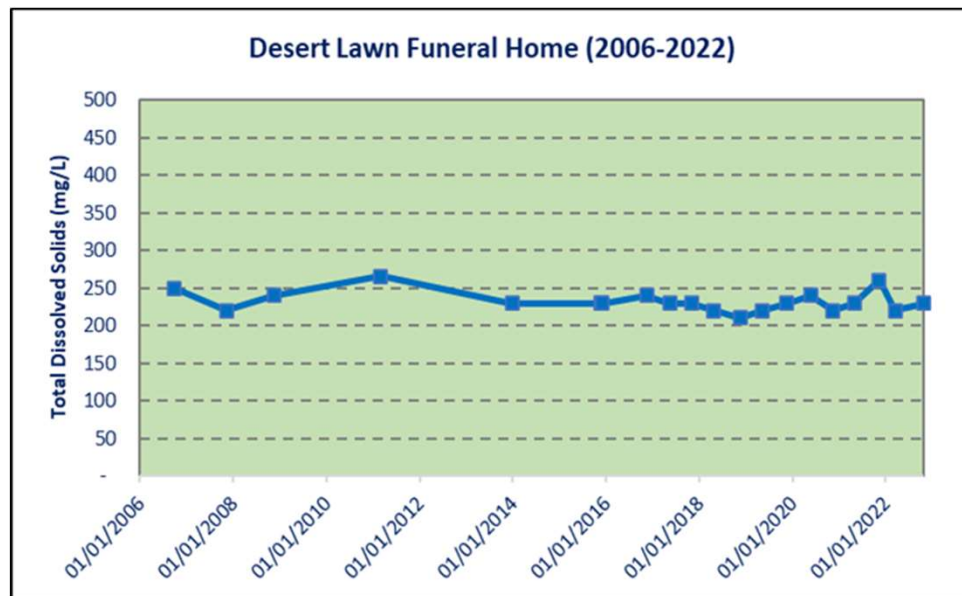
Nitrate in Groundwater
(Maximum Concentrations 2018 to 2022)

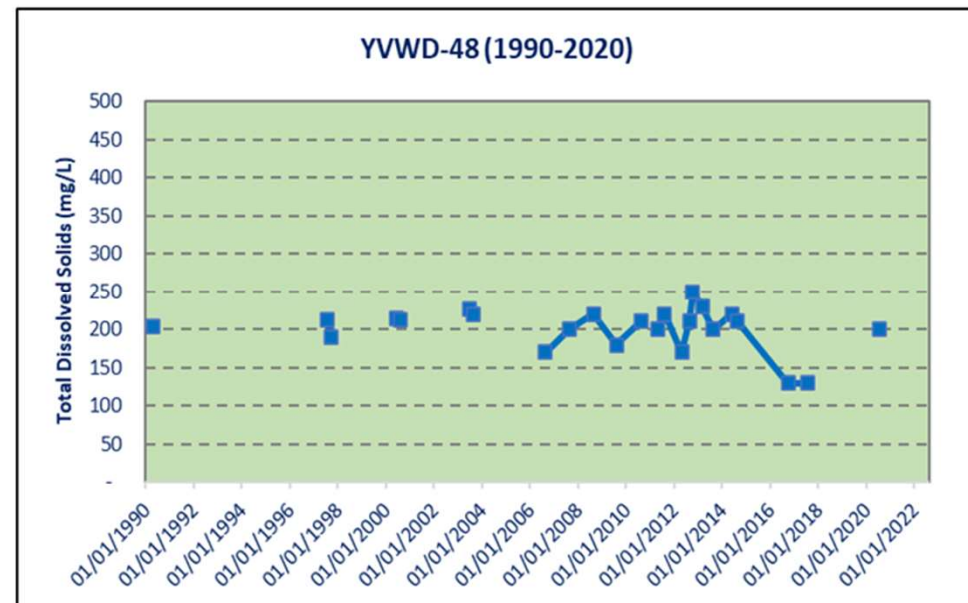
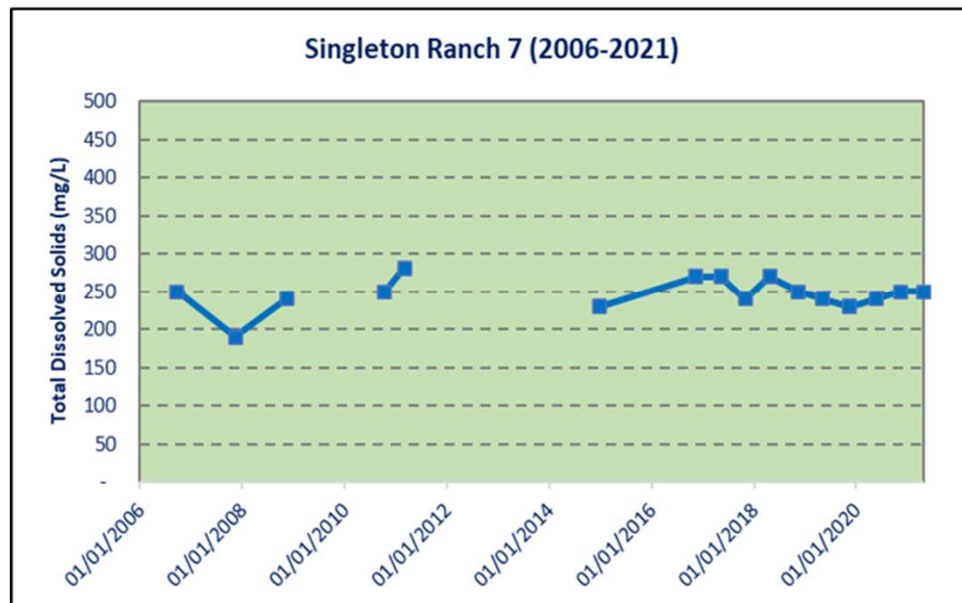
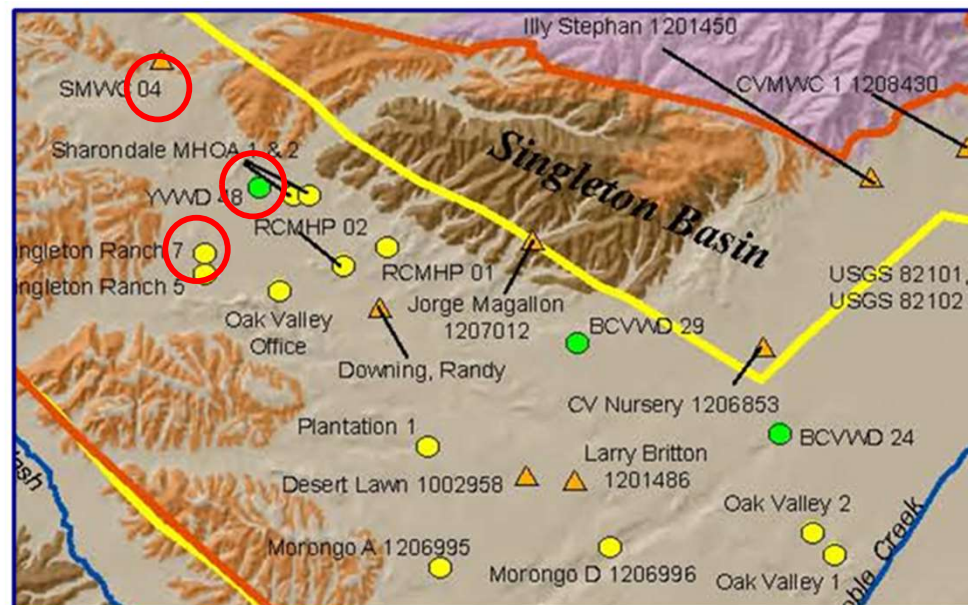
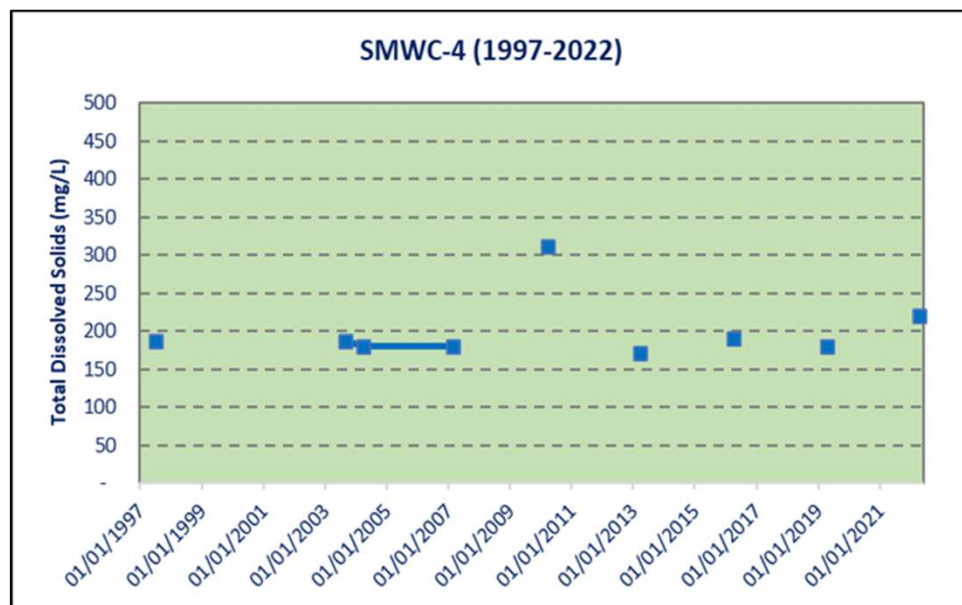
Figure 4-3

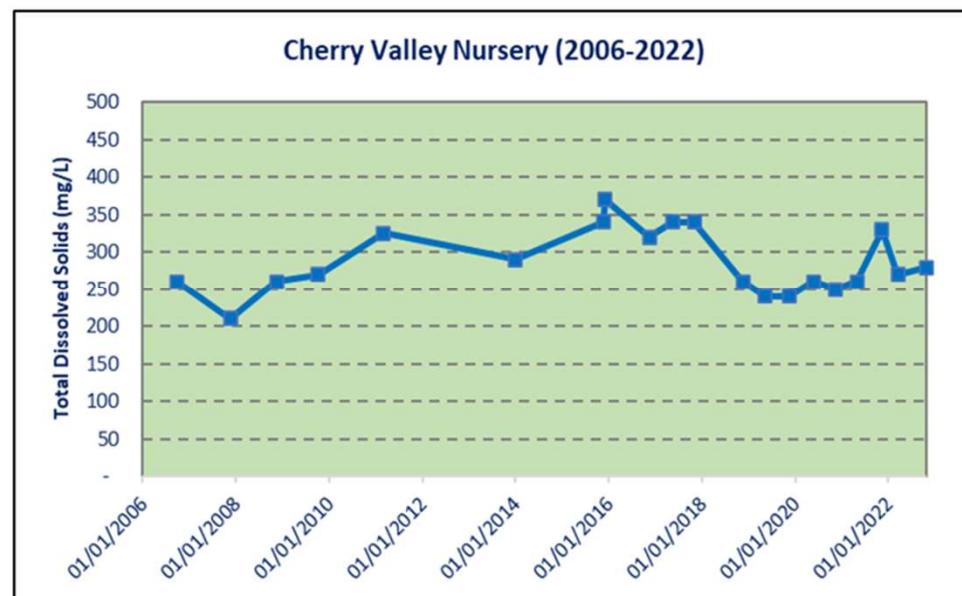
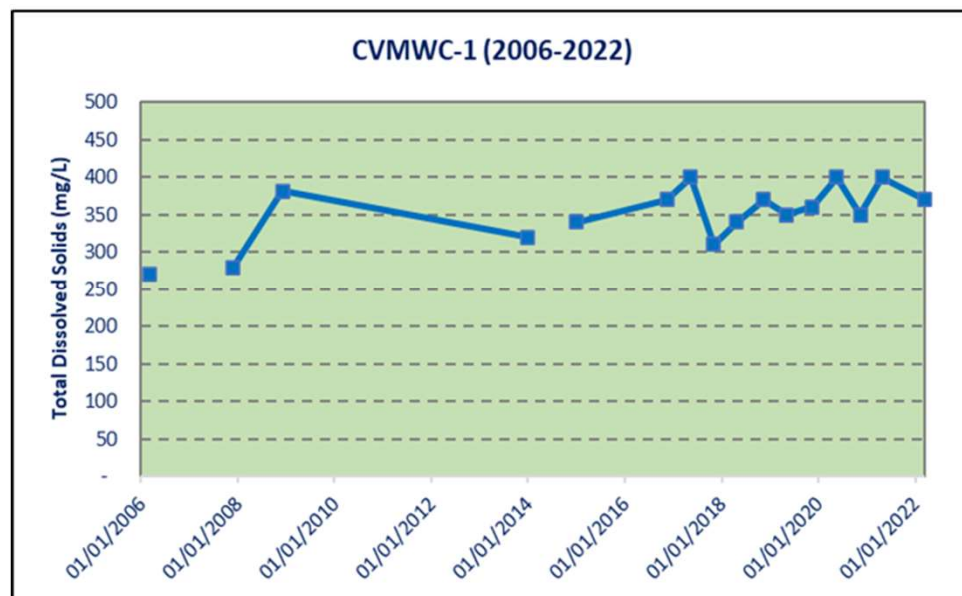
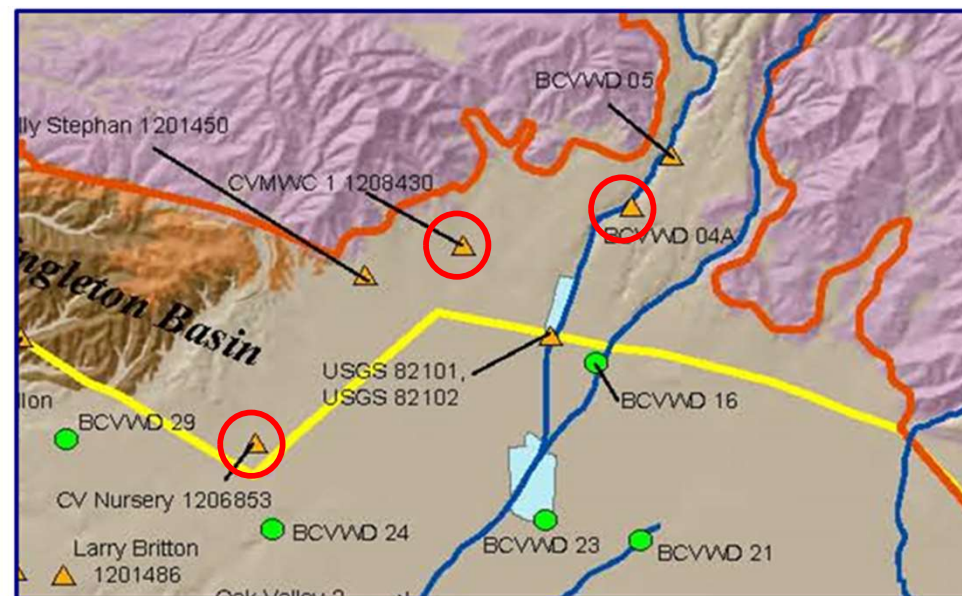
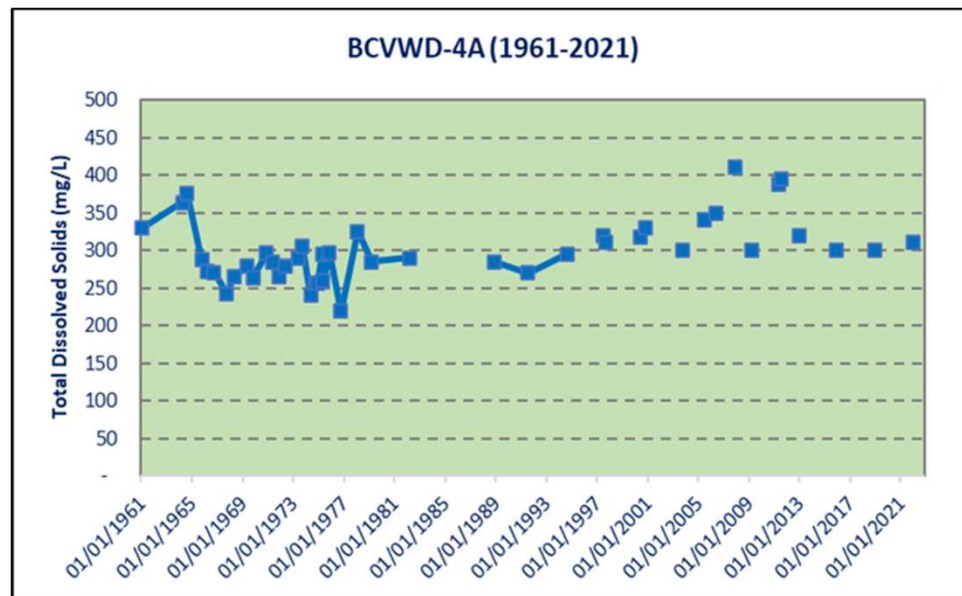












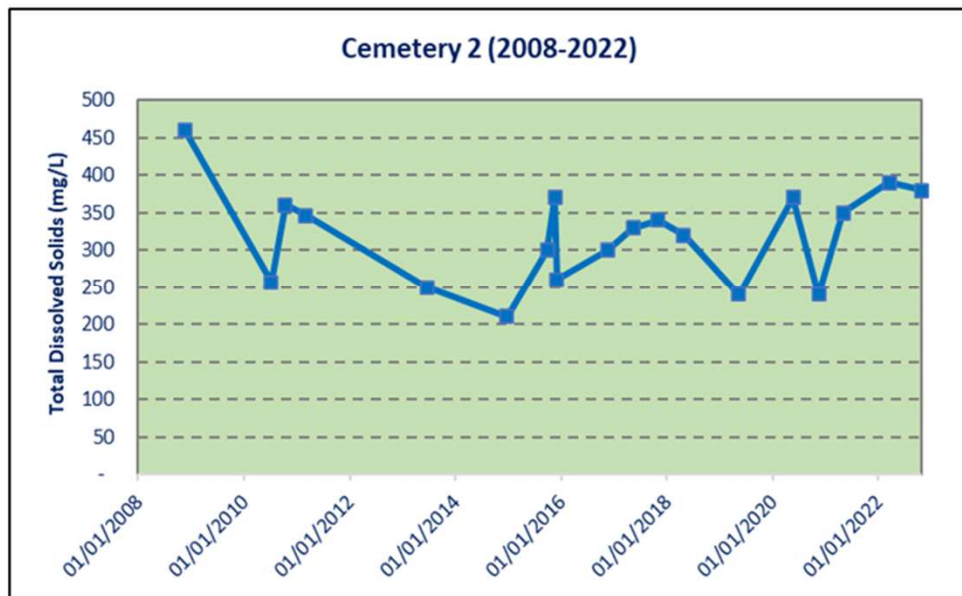
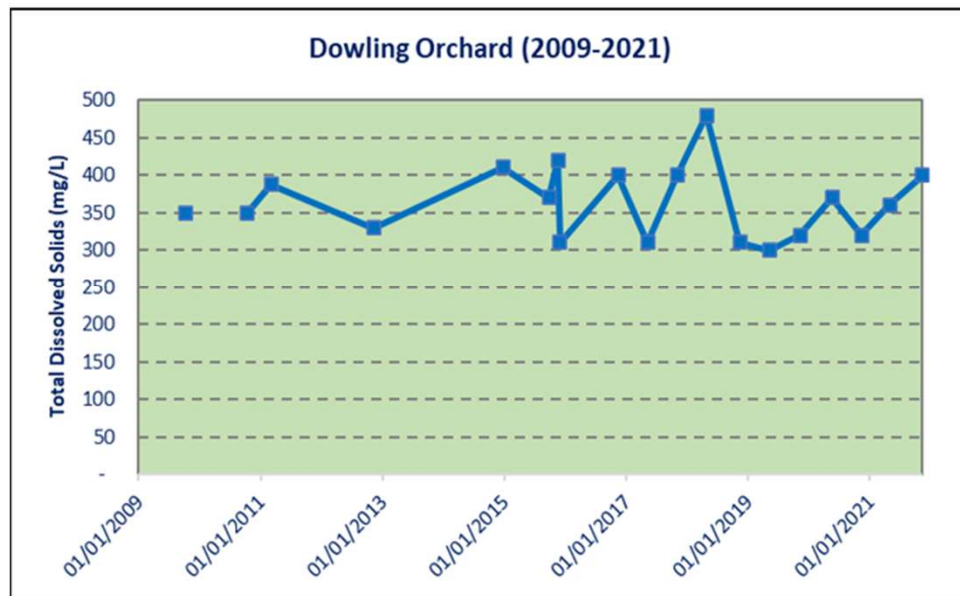
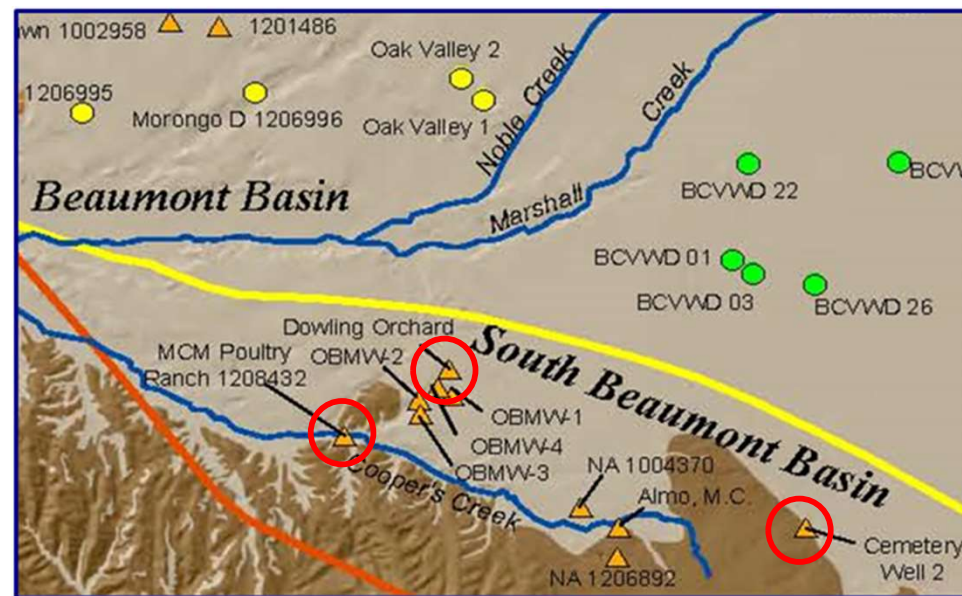
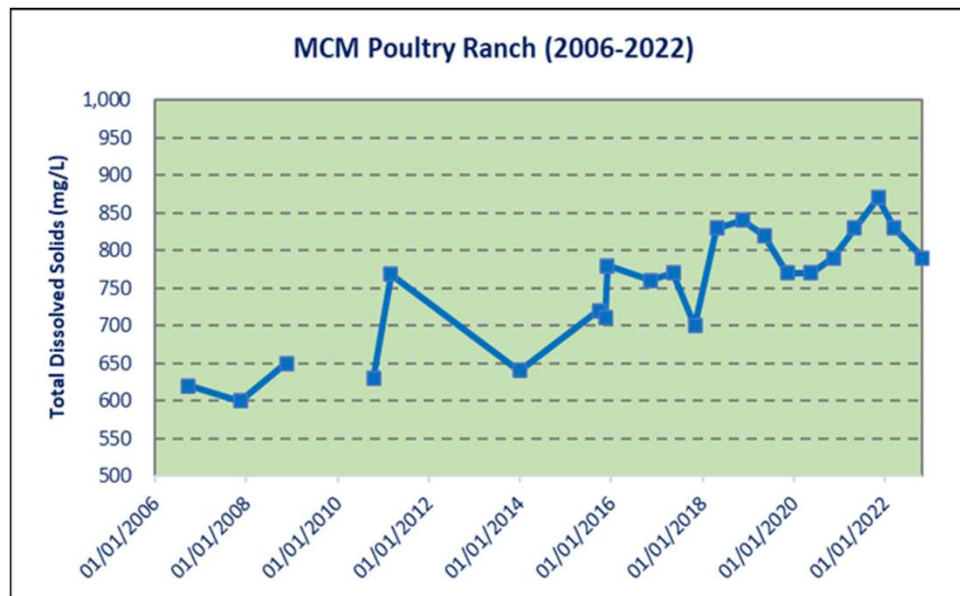
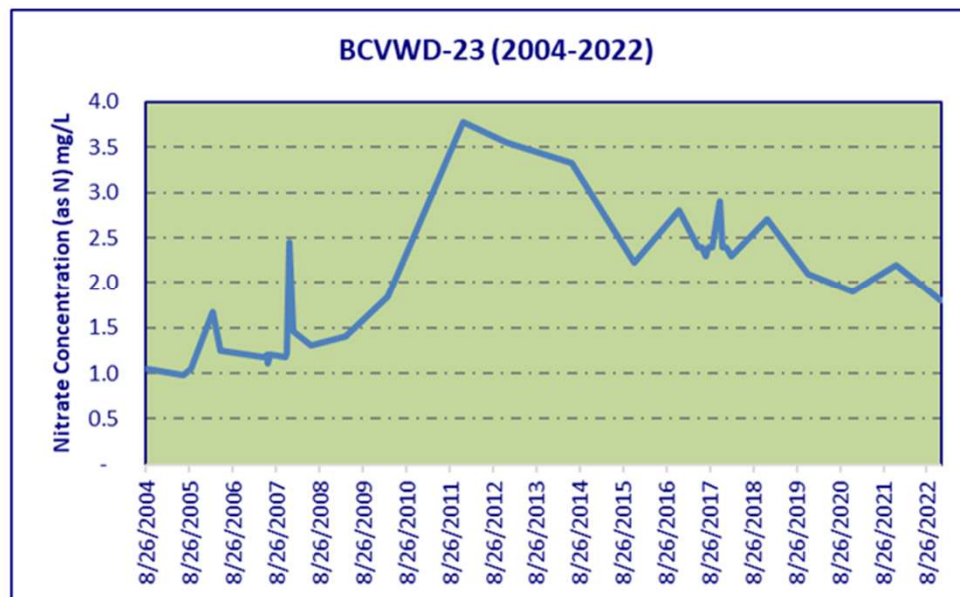
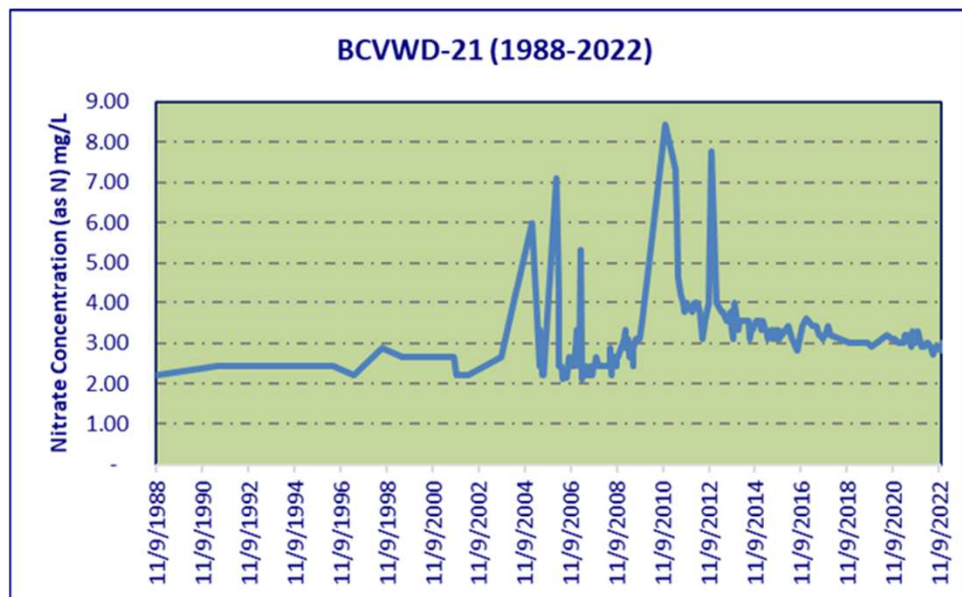
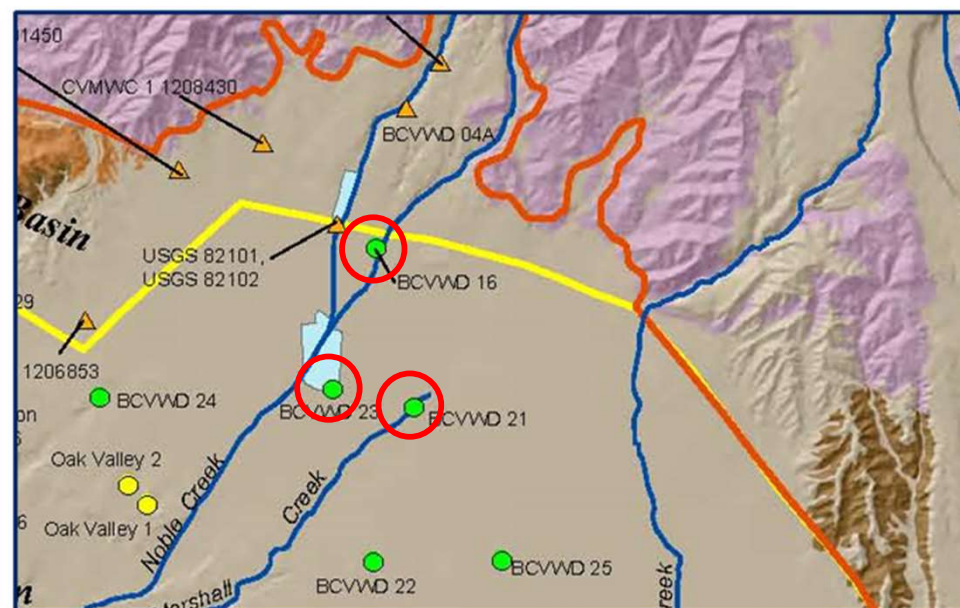
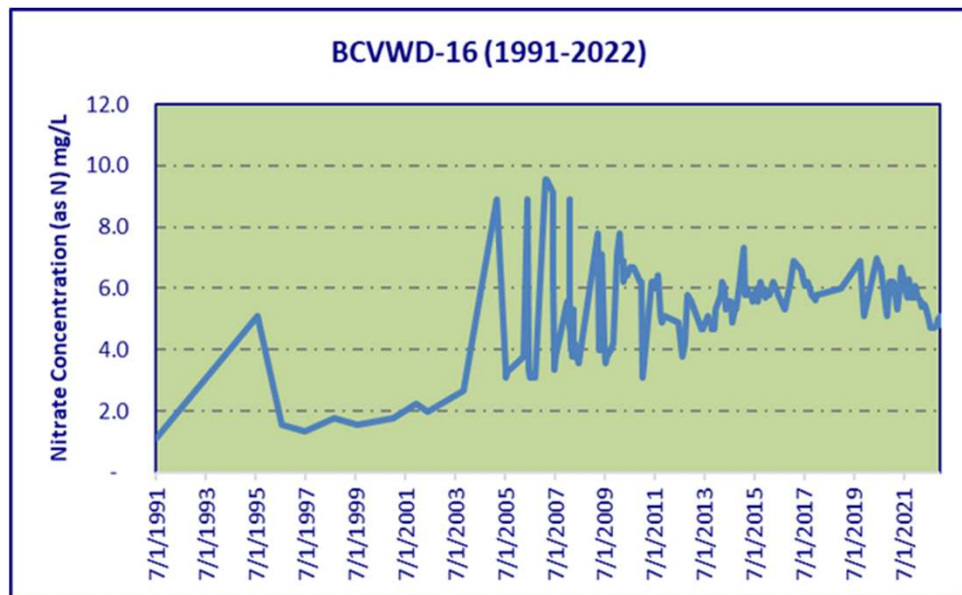


Figure 4-10
South Beaumont Basin – Historical Total Dissolved Solids Concentration



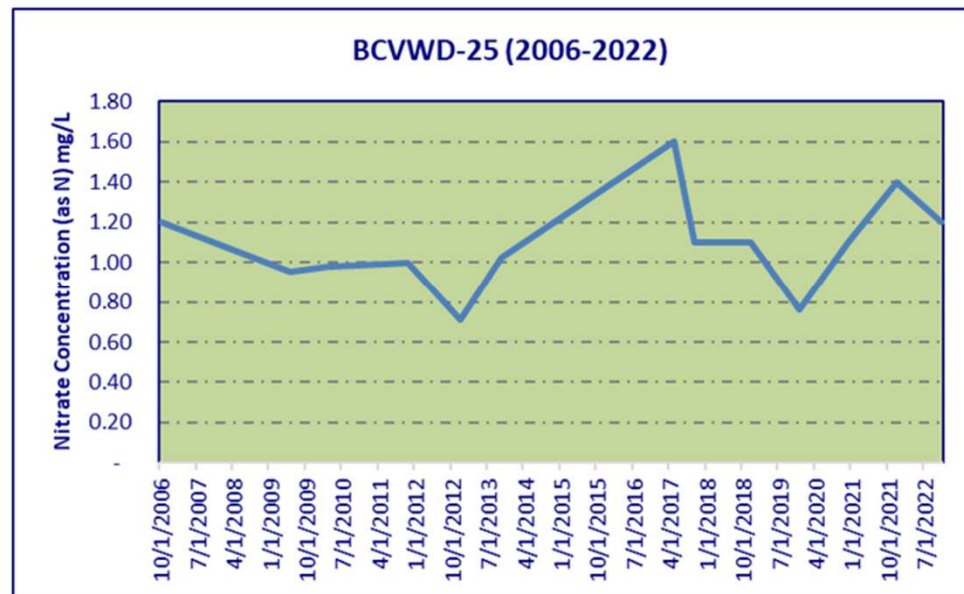
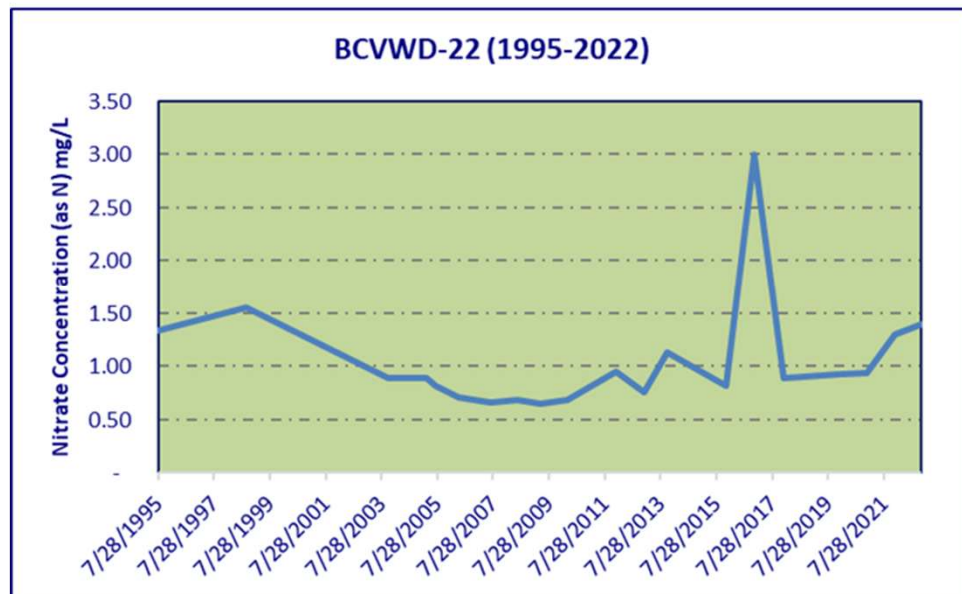
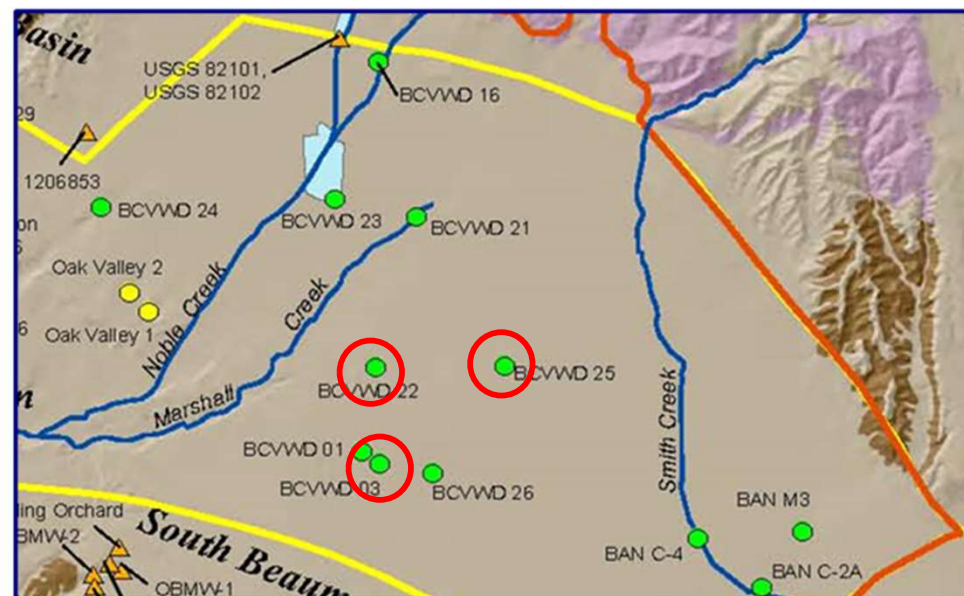
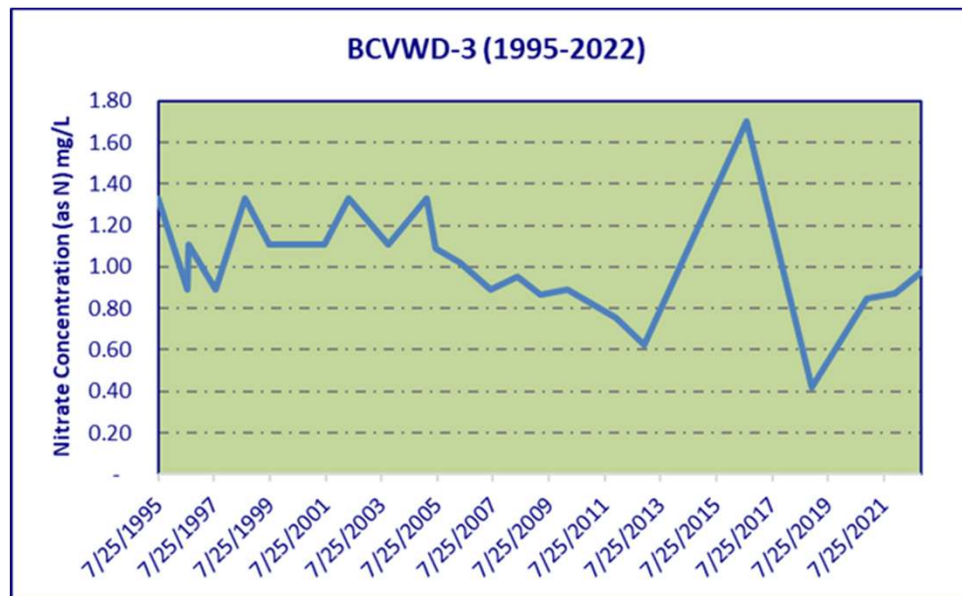
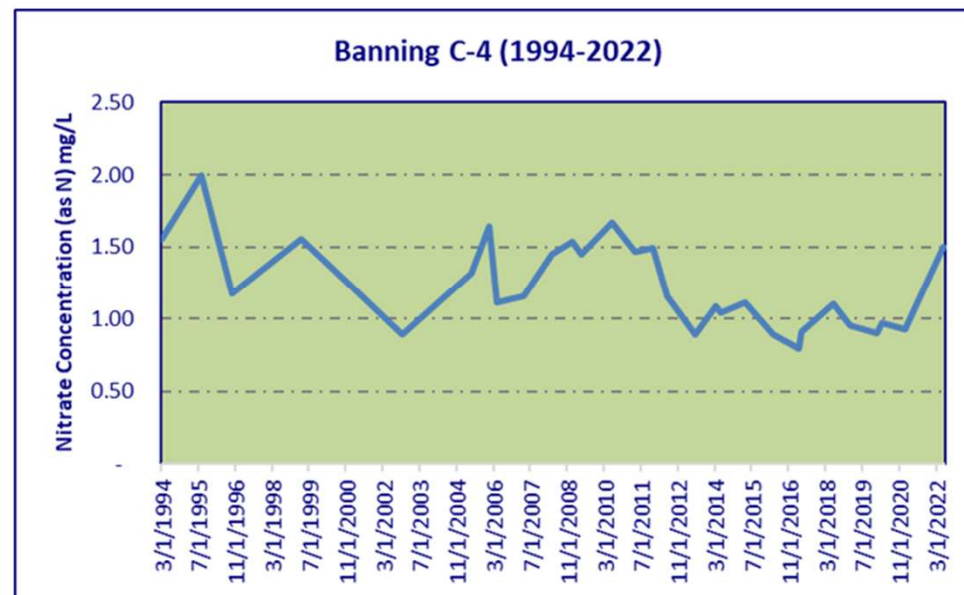
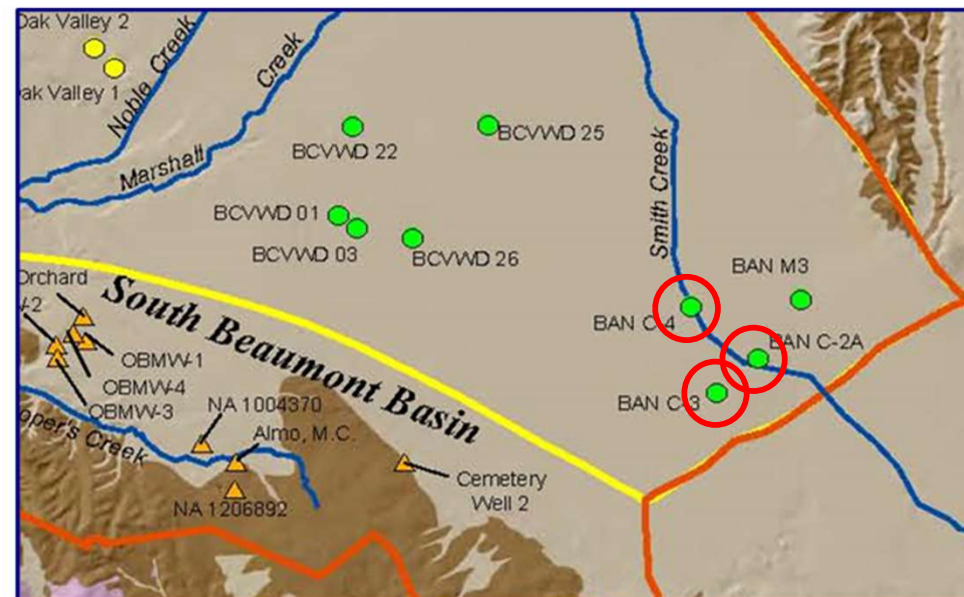
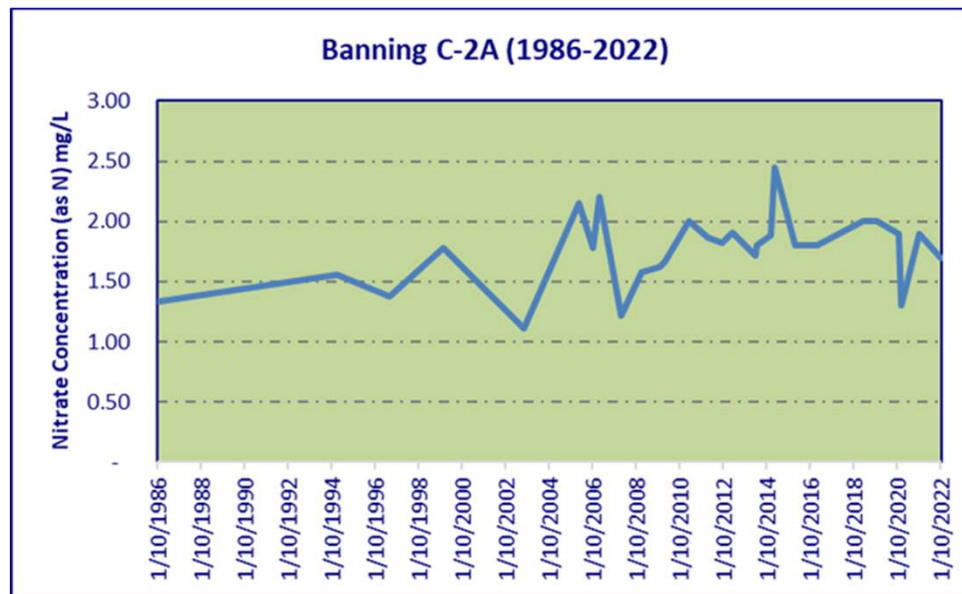
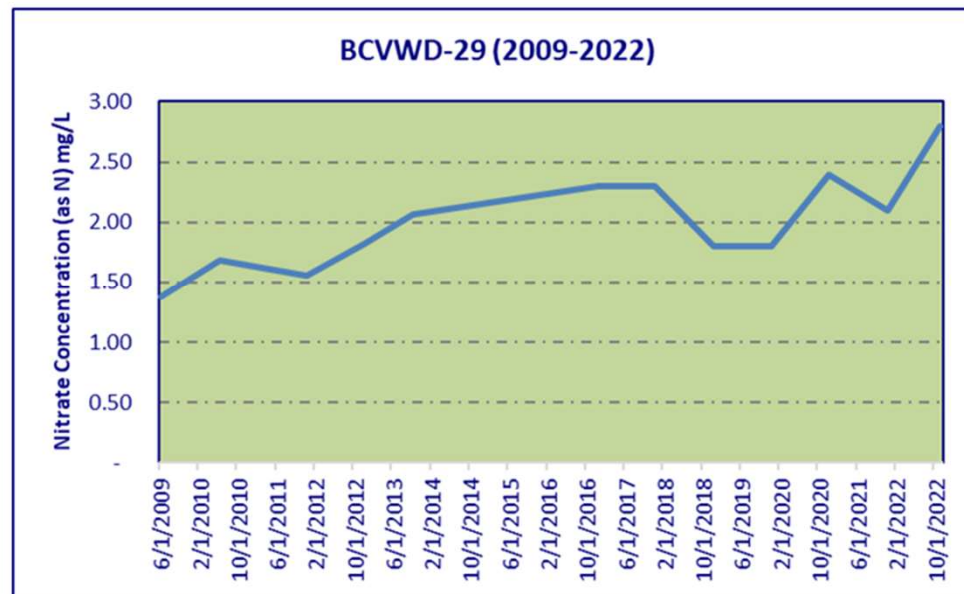
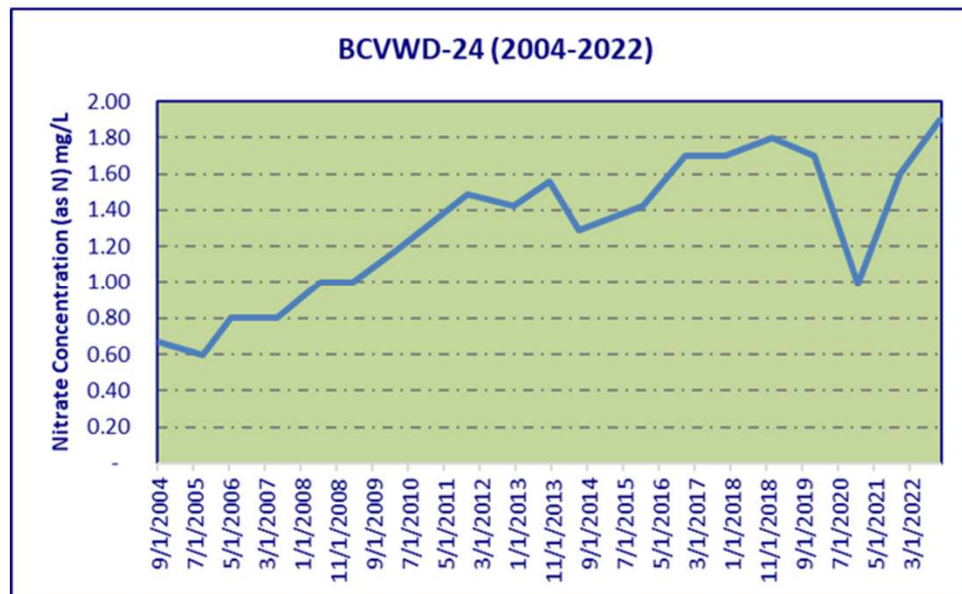
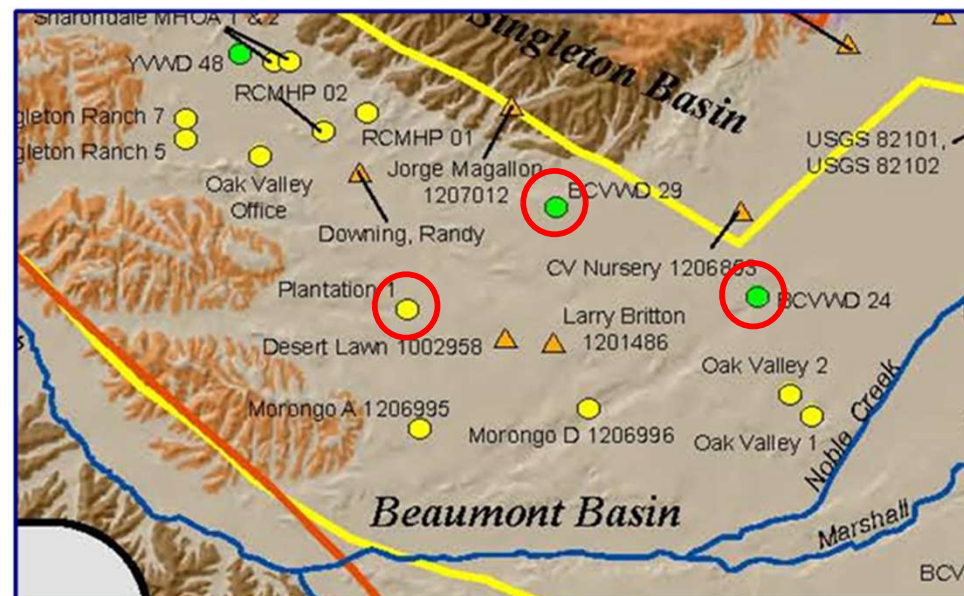
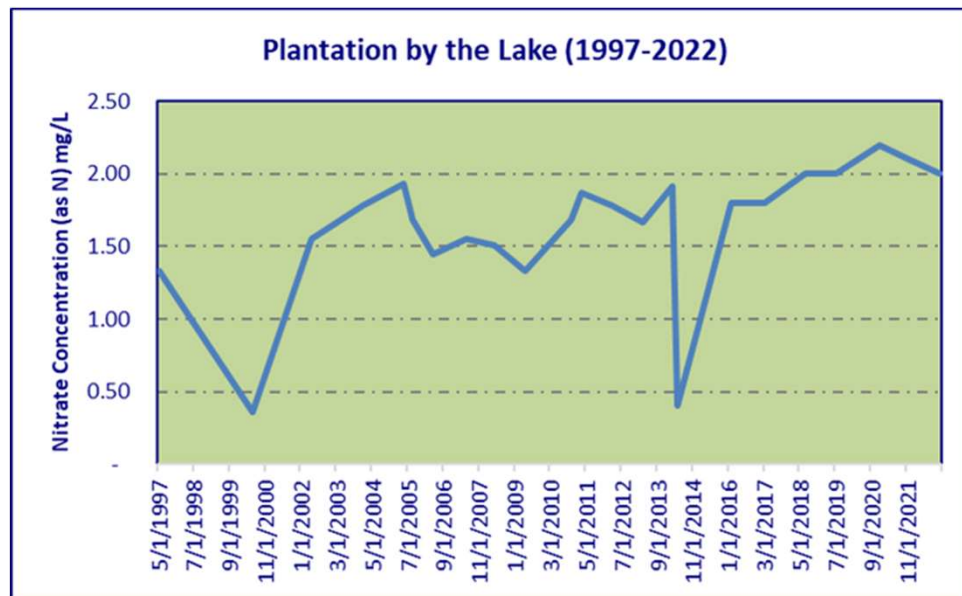
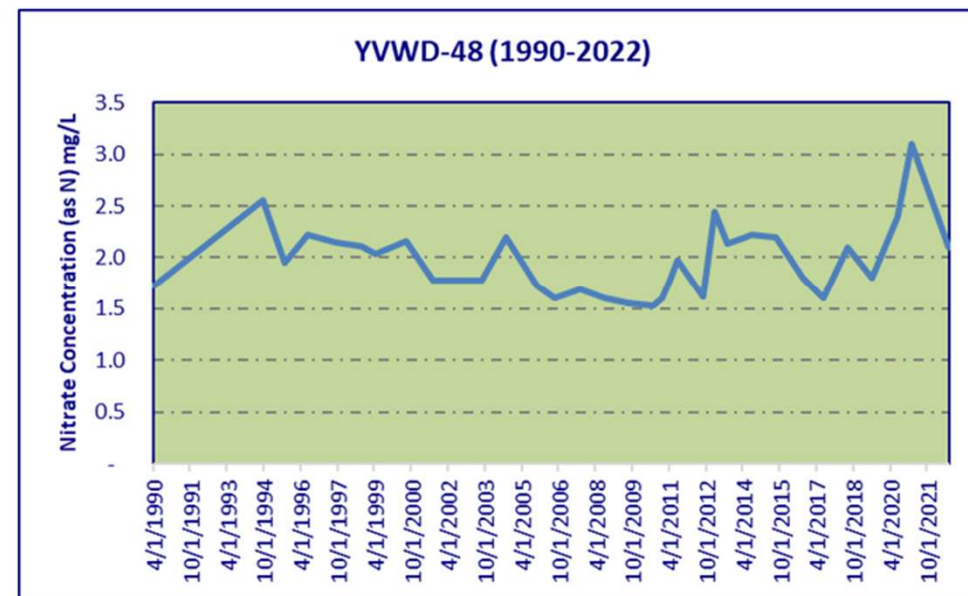
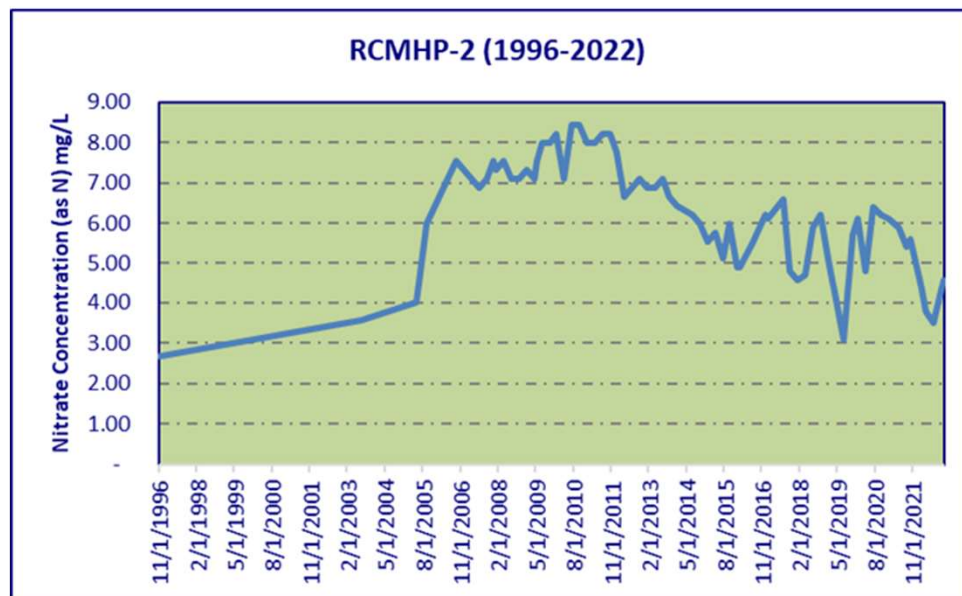
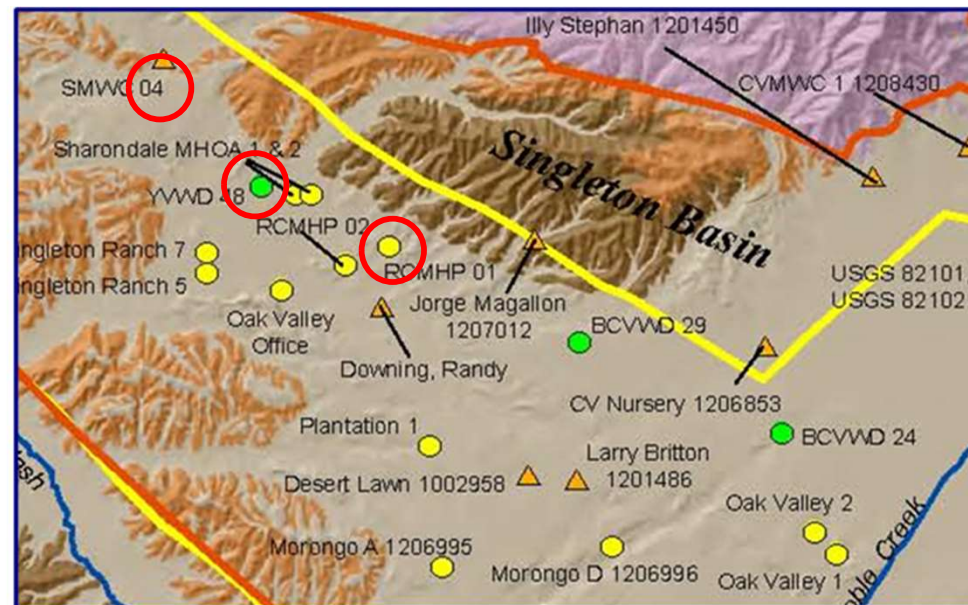
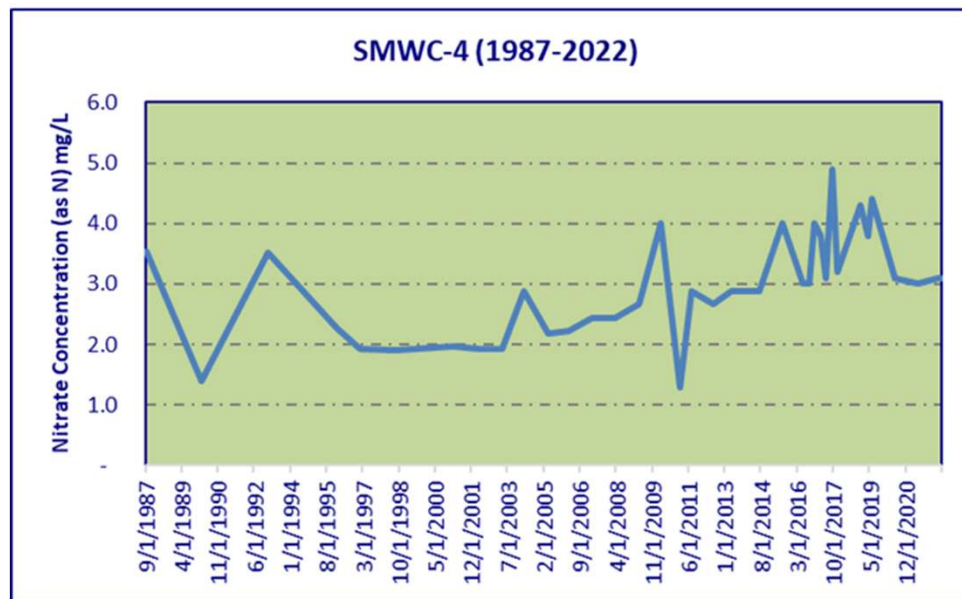
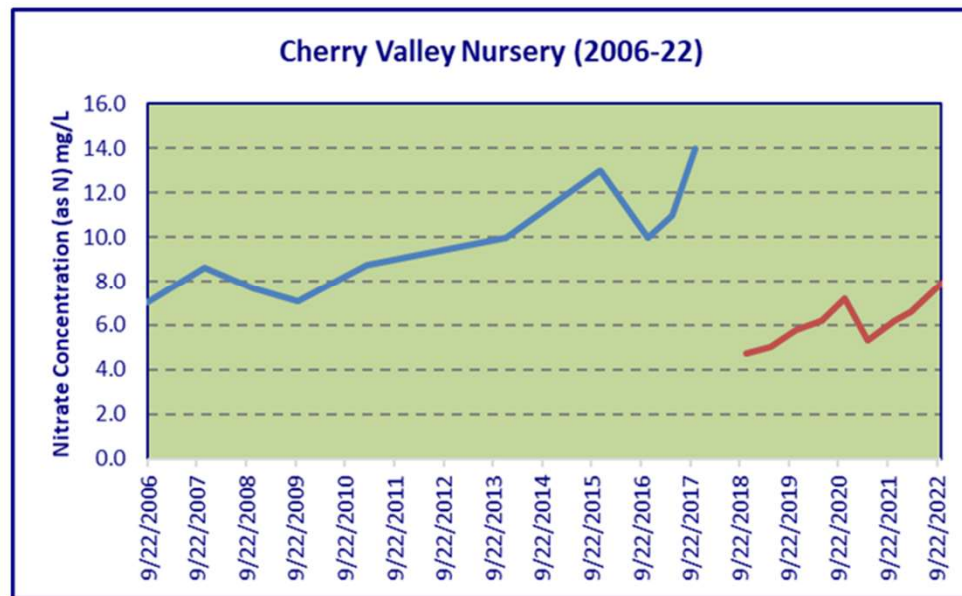
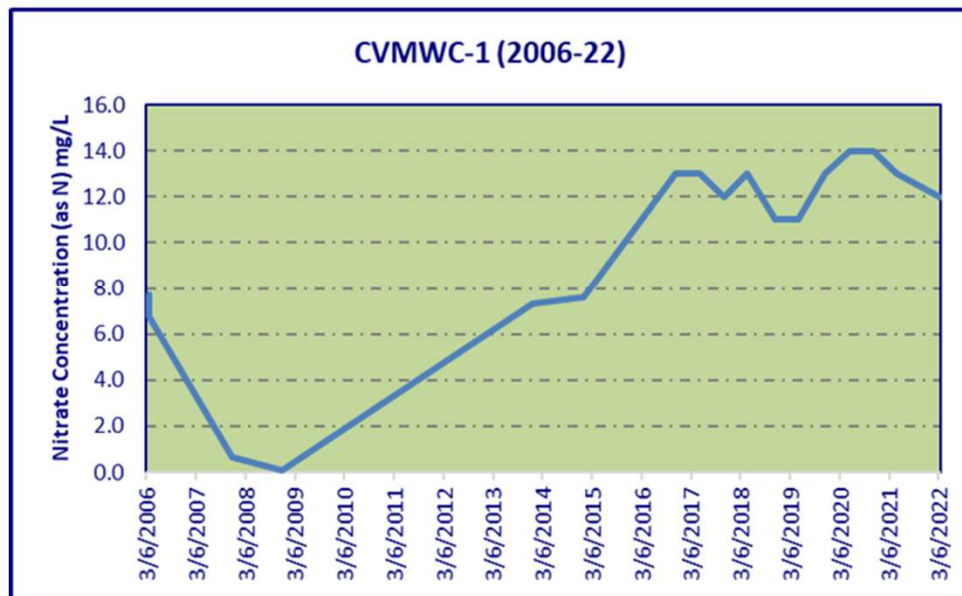
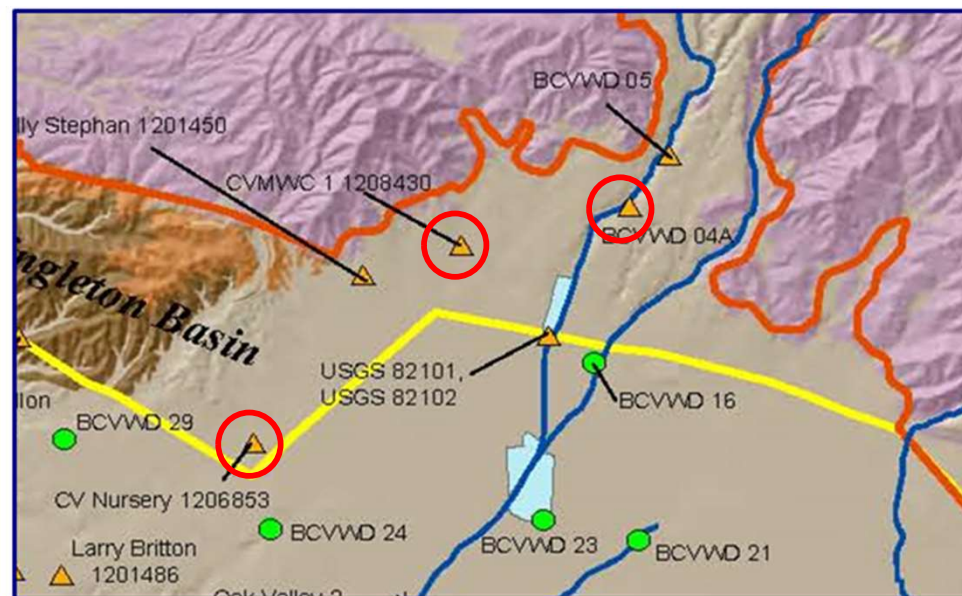
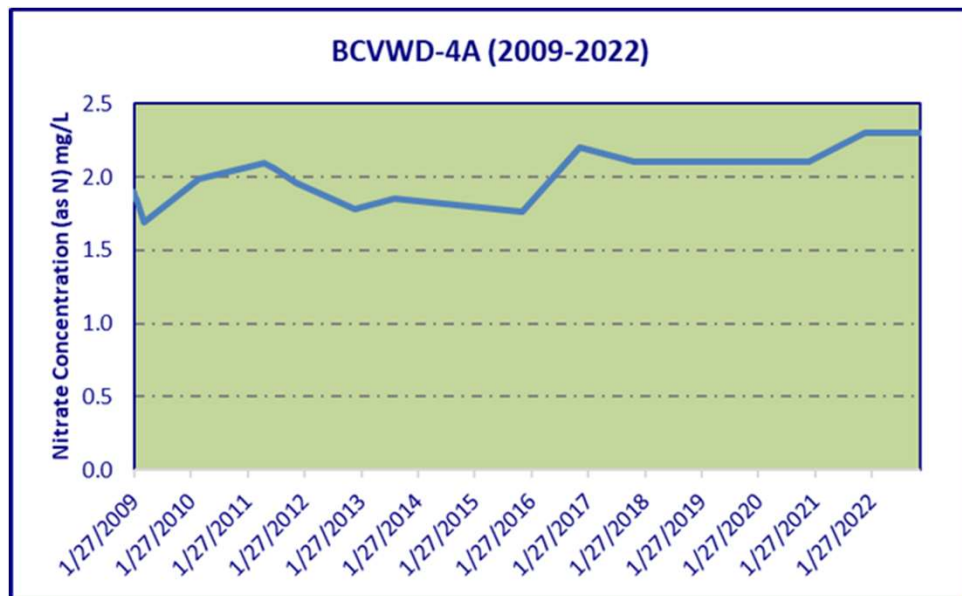


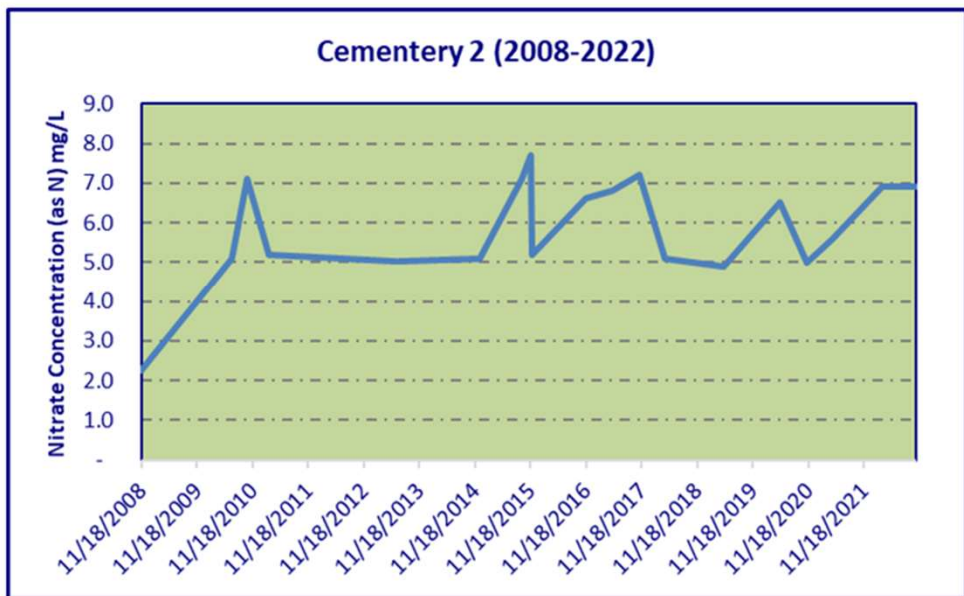
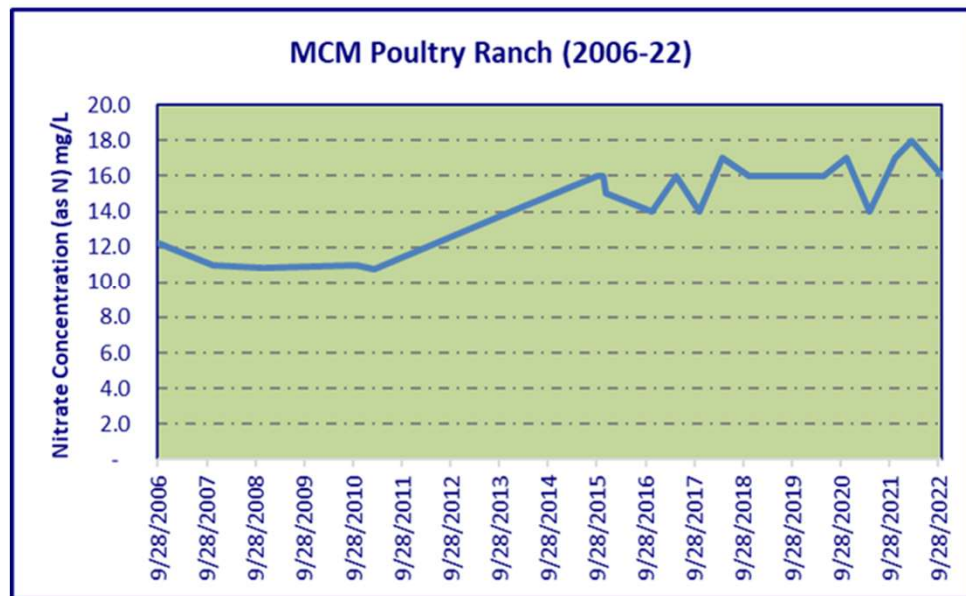
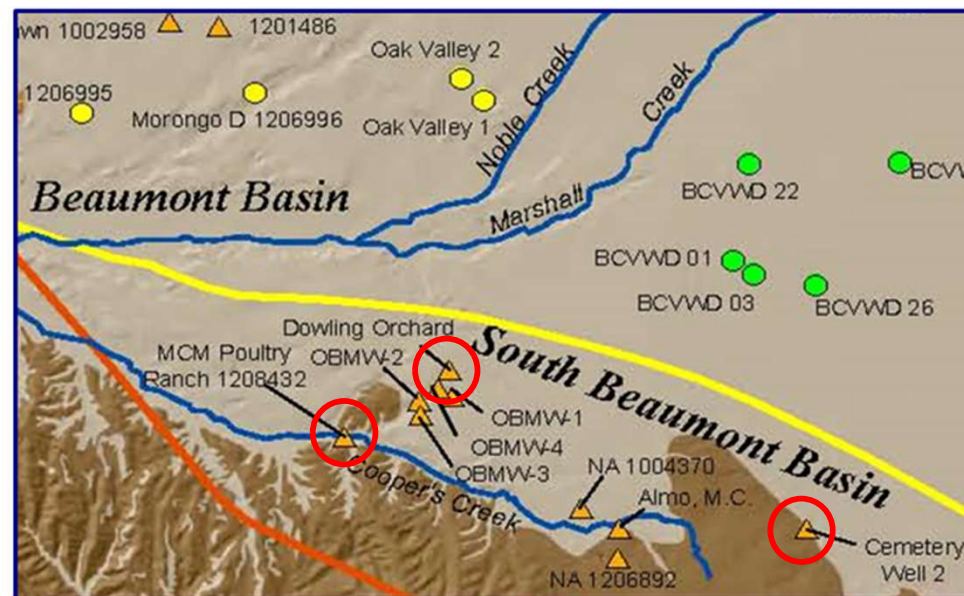
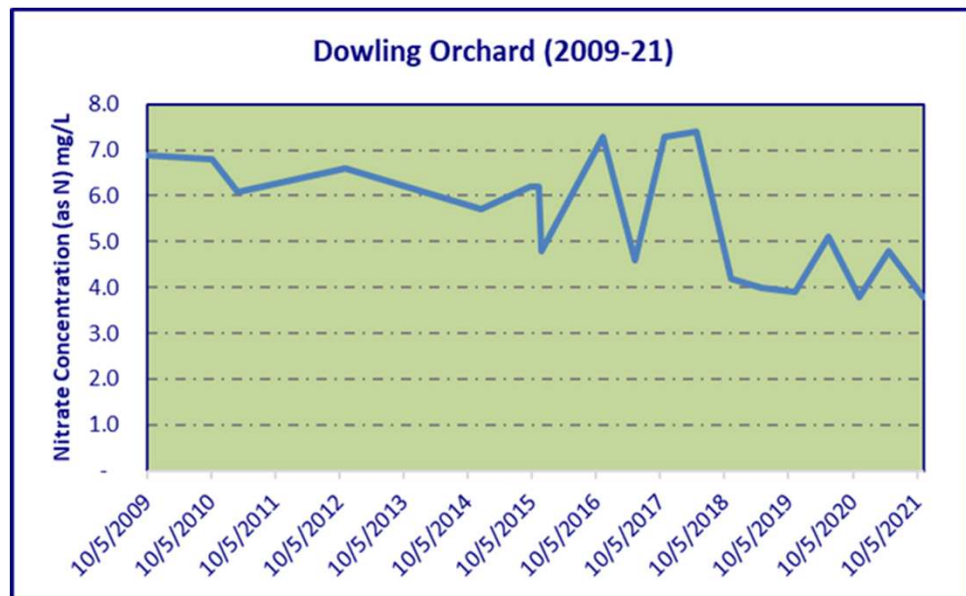
Figure 4-12
East of Marshall Creek – Historical Nitrate Concentration











Section 5

Land Subsidence

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

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

Appendix A

Resolutions Adopted During CY 2022

RESOLUTION NO. 2022-01

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by Ralph M. Brown Act (Cal. Gov. Code 54950-54963), so that any member of the public may attend, participate and observe: and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during proclaimed state of emergency for the purpose of determining, by _____ vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of he emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented increasing spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings, and issued an indoor mask mandate on December 13, 2021; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective 30 days.

PASSED AND ADOPTED this 5 day of January, 2022 by the following vote:

AYES: Hart, Jagers, Armstrong, Ares, Vela

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-02

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented increasing spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings, and issued an indoor mask mandate on December 13, 2021; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 2nd day of February, 2022 by the following vote:

AYES: Vela, Hart, Jagers, Armstrong, Zoba
NOES:
ABSTAIN:
ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-03

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 10th day of March, 2022 by the following vote:

AYES: Vela, Hart, Jagers, Armstrong, Zoba

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR

BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-04

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 13th day of April, 2022 by the following vote:

AYES: Jagers, Vela, Armstrong, Hart, Zoba

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-05

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 1 day of June, 2022 by the following vote:

AYES: Vela, Hart, Swanson, Armstrong, Zoba

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR

BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-06

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 3rd day of August, 2022 by the following vote:

AYES: Vela, Armstrong, Jagers, Ares, Hart
NOES:
ABSTAIN:
ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-07

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 5 day of October, 2022 by the following vote:

AYES: Armstrong, Jagers, Zoba, Hart, Vela

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-08

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER AUTHORIZING PUBLIC MEETINGS TO BE HELD VIA TELECONFERENCING PURSUANT TO GOVERNMENT CODE SECTION 54953(E) AND MAKING FINDINGS AND DETERMINATIONS REGARDING SAME

WHEREAS, the Beaumont Basin Watermaster (BBWM) is committed to preserving public access and participation at its meetings which are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and observe; and

WHEREAS, pursuant to Assembly Bill 361 effective September 16, 2021, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence the following conditions:

1. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
2. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
3. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

WHEREAS, such conditions now exist in the area of jurisdiction of the Beaumont Basin Watermaster, specifically, a State of Emergency was proclaimed by California Governor Gavin Newsom on March 4, 2020 due to an outbreak of the COVID-19 respiratory illness due to a novel coronavirus; and

WHEREAS, the Riverside County / Riverside University Health System - Public Health has documented great spread of the coronavirus in the County of Riverside; and

WHEREAS, the California Department of Public Health has asserted that indoor settings are especially high risk for transmission, and that the COVID-19 respiratory illness continues to present imminent risk to health and safety of attendees at meetings; and

WHEREAS, the Centers for Disease Control and Prevention continue to advise that COVID-19 spreads more easily indoors than outdoors and that people are more likely to be exposed to COVID-19 when they are closer than six feet apart from others for longer periods of time; and

WHEREAS, the Watermaster Committee does hereby find that given the continued proclaimed state of emergency by the Governor of the State of California, and that the sustained transmission rate of coronavirus has caused, and will continue to cause, conditions of peril to the safety of persons within the area of the Beaumont Basin; and

WHEREAS, the Watermaster does hereby find that the legislative bodies of the BBWM shall conduct meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, BBWM will assure the right of the public to attend public meetings and address the Committee by continuing to provide teleconferencing access to meetings to the public via an identified call-in / internet-based option, allowing a public comment opportunity at meetings as required by the Brown Act; and

WHEREAS, in the event of a disruption in teleconferencing capability, the Watermaster Committee will take no action on agenda items until the technology issue is resolved,

NOW, THEREFORE, BE IT RESOLVED, by the Beaumont Basin Watermaster Committee that:

1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.
2. Governor's Proclamation of a State of Emergency. The Committee members hereby acknowledge the proclamation of State of Emergency made on March 4, 2020.
3. Remote Teleconference Meetings. The members of the Watermaster Committee are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days.

PASSED AND ADOPTED this 7th day of December, 2022 by the following vote:

AYES: Armstrong, Jagger, Zoba, Hart, Vela

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY: 

ART VELA, CHAIR
BEAUMONT BASIN WATERMASTER

RESOLUTION NO. 2022-09

A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER TO AMEND SECTION 3 OF THE RULES AND REGULATIONS OF THE WATERMASTER

WHEREAS, the Stipulated Judgement establishing the Beaumont Basin Watermaster (Riverside Superior Court Case No. 389197) empowers the Beaumont Basin Watermaster to adopt appropriate rules and regulations for the conduct of Watermaster affairs; and

WHEREAS, the Beaumont Basin Watermaster desires to establish groundwater level measuring and reporting procedures that provide a foundation for the collection and reporting of groundwater level data that is accurate and consistent between all owners of wells included in the Beaumont Basin monitoring well network; and

WHEREAS, the Beaumont Basin Watermaster desires to include in the groundwater level measuring and reporting procedures a methodology for communicating with private well owners and documenting requests to access their wells and provide them the opportunity to accompany the Beaumont Basin Watermaster representative during the collection of data; and

WHEREAS, the groundwater level measuring and reporting procedures include decontamination procedures for equipment used to manually measure depths-to-water at multiple wells to ensure no cross-contamination between wells.

NOW, THEREFORE, BE IT RESOLVED by the Beaumont Basin Watermaster Committee as follows:

1. The Beaumont Basin Watermaster hereby amends Section 3 of the Beaumont Basin Watermaster Rules and Regulations to include Section 3.3 as provided in Attachment A.
2. The Beaumont Basin Watermaster hereby adopts Form 9 entitled, "Water Level Field Form", as provided in Attachment A.
3. The Secretary of the Watermaster is hereby authorized and directed to disseminate copies of this Resolution Amendment to all pumpers within the Beaumont Basin and other interested parties, and to incorporate such Amendment in the Rules and Regulations of the Watermaster and maintain the same on its website for reference.

PASSED AND ADOPTED this 7 day of December, 2022 by the following vote:

AYES: Armstrong, Jagers, Zoba, Hart, Vela

NOES:

ABSTAIN:

ABSENT:

BEAUMONT BASIN WATERMASTER

BY:



ART VELA, CHAIR

ATTEST:

BY:



DAN JAGGERS, SECRETARY

Appendix B

Beaumont Basin Watermaster Minutes for the Regular and Special Committee Meetings held in 2022

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Special Meeting
Wednesday, January 5, 2022**

Meeting Location:

Due to the continued State of Emergency due to the spread of COVID-19, this meeting was held by teleconference only.

I. Call to Order

Chairman Arturo Vela called the meeting to order at 11:03 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>Daniel Jagers</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>Dave Armstrong</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Jennifer Ares</i>	<i>Present</i>

*Hannibal Blandon was present as engineer for the BBWM.
Thierry Montoya was present as BBWM legal counsel.*

Members of the public who registered and / or attended:

Ron Duncan, San Geronio Pass Water Agency
Lance Eckhart, San Geronio Pass Water Agency
Mark Swanson, Beaumont-Cherry Valley Water District
Cenica Smith, Beaumont-Cherry Valley Water District

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Action Item

- A. Consideration of Resolution 2022-01: Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same

Member Jagers briefed the Committee on this resolution required every 30 days to allow the committee to implement the flexibility for teleconference

meetings pursuant to AB 361. Counsel Montoya advised that he had reviewed the resolution and it is consistent with the Brown Act.

It was moved by Member Jagers and seconded by Member Hart to approve Resolution 2022-01.

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

VI. Consent Calendar

- A. Meeting Minutes for October 6, 2021
- B. Meeting Minutes for December 1, 2021

It was moved by Member Armstrong and seconded by Member Ares to approve the meeting minutes.

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

VII. Reports

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

Mr. Blandon briefed the Committee on the potential for the Plantation on the Lake well to be a monitoring well and related issues.

- B. Report from Hydrogeological Consultant – Thomas Harder, Thomas Harder & Co.
No report.

- C. Report from Legal Counsel – Thierry Montoya, Alvarado Smith
Nothing to report.

VIII. Discussion Items

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

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

It was moved by Member Jagers and seconded by Member Armstrong to continue with the current officers:

- *Chair – Arturo Vela*
- *Vice-Chair – George Jorritsma*
- *Secretary – Dan Jagers*
- *Treasurer – Joe Zoba*

and approved by the following vote:

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

B. Consideration of Special Meeting / Workshop

Recommendation: That the Beaumont Basin Watermaster Committee consider setting a date and agenda for a special meeting /workshop

i. Review of Mission Statement:

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

ii. Topics for Discussion

iii. Engagement of Facilitator

Member Jagers introduced the discussion. Chair Vela noted the possibility of engaging a facilitator. Member Hart offered to provide an outline and framework at the February 2 meeting.

Mr. Jagers reminded that the impetus for this special meeting was to schedule the workshop and agreed that a framework to assist with decision making would be helpful.

Member Ares agreed and said something in writing would be helpful. She pointed to suggestions from the consultant regarding things that need to be addressed and rolled into a Request for Proposal. She indicated there may not be need for a facilitator as all understand the path forward. Hart agreed that should be part of the workshop discussion. He reminded that in the past, the Watermaster had a general manager who could facilitate discussion and disseminate information. He noted that challenges of the

Committee are lack of staff to handle certain things and assuring compliance with the Brown Act.

Mr. Jagers added that another challenge for the technical consultant is taking all member input and formulating it and allowing for different viewpoints. Having a third entity to focus all activities and facilitate discussion and resolution may be a way to insulate an entity from trying to maintain balance while performing the technical work.

Member Hart pointed to the RFPs and suggested it may be beneficial to have a facilitator or coordinator to assure there is proper buy-in from all members.

Chair Vela invited public comment. Mr. Lance Eckhart of the San Geronimo Pass Water Agency pointed to the technical collaboration and opportunities for public input related to the area's Groundwater Sustainability Plan process and the constraints due to the Brown Act. Any way to work with the area technical managers to bring good collaborative solutions quickly is better, he advised.

Chair Vela indicated the potential for a Technical Advisory Committee to meet outside of the Brown Act and present information to the Board.

Member Jagers suggested that "facilitator" be changed to "coordinator" and Chair Vela agreed.

Chair Vela tabled the item to the February 2, 2022 meeting.

C. Authorize Preparation and Release of a Request for Proposal for annual reporting services

Recommendation: That the Watermaster Committee form an ad hoc committee to develop a Request for Proposal and authorize release of same

Chair Vela reminded the Committee of the discussion at the December 1, 2021 meeting and the vote to extend the term of the contract with ALDA Inc. There was discussion of the need to go to bid for the services since the original bid was advertised in 2011.

Member Jagers noted that Member Hart has a draft document, and they need to meet to review.

Member Hart also noted there is a procurement policy to review. He offered to provide a draft RFP, indicating the two are related. Ideally, the procurement policy would be formed to utilize it for engagement of a consultant.

Chair Vela tasked the current ad hoc procurement policy committee of Members Jagers and Member Hart with development of a Request for Proposal.

IX. Topics for Future Meetings

- a. Development of a methodology and policy to account for groundwater storage losses in the basin / Groundwater management
- b. Scope of work and Request for Proposal for a workshop facilitator / consultant
- c. Incidental discharge
- d. Effect of Court ruling on Production vs Extraction Credits
- e. Development of a recycled water policy

X. Comments from the Watermaster Committee Members

None.

XI. Announcements

- a. Special Meeting / workshop date: None set.
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, February 2, 2022 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. April 6, 2022 at 11:00 a.m.
 - ii. June 1, 2022 at 11:00 a.m.
 - iii. August 3, 2022 at 11:00 a.m.
 - iv. October 5, 2022 at 11:00 a.m.
 - v. December 7, 2022 at 11:00 a.m.

XI. Adjournment

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

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, February 2, 2022**

Meeting Location:

The meeting was held via teleconference only.

I. Call to Order

Chairman Arturo Vela called the meeting to order at 11:02 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>Daniel Jaggars</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>Davis Armstrong</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Jennifer Ares</i>	<i>Present</i>

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

Thierry Montoya was present as BBWM legal counsel.

Members of the public who registered and / or attended:

Cenica Smith, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Thaxton Van Belle, City of Beaumont
Albert Maldonado
Angela Shelton, City of Banning
Bob Bowcock
James Bean, Beaumont-Cherry Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Larry Smith, San Gorgonio Pass Water Agency
Madeline Blua, Yucaipa Valley Water District
Madeline Chen
Mia Preciado
Mike Kostelecky
Paul Rodriguez

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

A. Resolution 2022-02: Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same Meeting Minutes for January 5, 2022

C. Status Report on Water Level Monitoring throughout the Beaumont Basin through January 19, 2022

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

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

Member Armstrong requested to table Item B and pull Item D for discussion.

B. Meeting Minutes for January 5, 2022

Chair Vela continued this item to the April 6, 2022 meeting.

D. A Comparison of Production versus Extraction Credits through December 2021

In response to Member Armstrong, Chair Vela explained that the table evolved to this current form on the Consent Calendar and reminded that Engineer Hannibal Blandon previously presented this as a report.

Mr. Blandon noted that the intent of the report was to give the appropriators an idea of where they stood throughout the year on production versus extraction credits, including any water that might have been imported for spreading. He reviewed the data for South Mesa Water Company, noting that at the end of 2020, the agency had 10,134 acre-feet in storage.

Member Jaggars noted the value of the updates.

Chair Vela declared Item D received and filed.

VI. Reports

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

Mr. Blandon advised of an issue with sounding equipment being trapped in Beaumont-Cherry Valley Water District (BCVWD) Well 29 and need for replacement. He also advised that Bonita Vista Well 2 seems to have collapsed. Possible replacements would be Bonita Vista 1 or 3, and he will coordinate with BCVWD staff to determine the best solution.

Blandon also noted an issue with a 2 percent discrepancy in water transfers between BCVWD and the City of Banning due to differing meter reading dates. He is working toward establishing an accurate quantity.

Chair Vela asked about the sounding equipment. Mr. Blandon explained that the probe is installed permanently in the well and records water levels every hour, on the hour. The sounder is deployed to determine the pumping level of water at the time. Well 29 does not have a probe, as it was lost when the well was pulled recently. There is no issue with accuracy, or with impacting well production, he assured. Mr. Jagers indicated that it is hoped when the well is restarted, the vibration may loosen the equipment, and BCVWD staff will attempt to pull it.

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

Mr. Harder reminded the Committee that the Return Flow Technical Memorandum is still a draft report, but most comments have been addressed.

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

Mr. Montoya reminded the Committee about the appointment of an alternate for the City of Beaumont and requested anyone interested contact him to have the declaration prepared and submitted to the Court.

He also advised of an email received on January 26 from Jean Sabin at the Regional Water Quality Control Board and sent to the Board. Much of the information being requested is available on the Watermaster website, he explained, but it may behoove the Watermaster to draft a water well monitoring procedure to provide to the requester.

VII. Discussion Items

A. Consideration of Special Meeting / Workshop

Recommendation: Consider setting a date and agenda for a special meeting / workshop.

Member Hart introduced the framework for discussion and feedback to make the workshop as fruitful as possible. He suggested starting with a look at the mission and vision statement, followed by objectives, strategies, and action plan.

Member Ares indicated that topic for discussion would be most time consuming and said she is still on the fence about the coordinator. She said she hoped it would be an in-person meeting.

Mr. Jagers agreed, but advised that the BCVWD office is currently closed due to COVID-19 case numbers. He said he hopes to reopen in the next week or two and can make the board room available.

Jagers commented on the worthwhile content of the framework and said he looks forward to robust dialogue to make sure the Watermaster continues to keep its approach fresh and current, address the items listed, and make sure the region has an opportunity to be successful regarding the Beaumont Basin.

Member Armstrong requested a more detailed document including the purpose and intended accomplishment. Mr. Hart indicated that this was the starting point to achieve something more detailed and suggested determining the expected outcome as a group.

Chair Vela agreed and suggested developing the plan with the goal and intent to develop organically.

Jagers suggested adding discussion of recharge location review under strategies.

Chair Vela indicated the mission statement is good but could be polished and suggested a bullet point for imported water, as it plays such an important role in managing the basin.

The workshop was set for Thursday, March 10, 2022 from 11 a.m. to 1 p.m.

B. Discussion of Regional Water Quality Control Board's questions regarding well monitoring / basin modeling procedures

Recommendation: None.

Watermaster Counsel Thierry Montoya reviewed the question from Ms. Sabin at the Regional Water Quality Control Board regarding whether the Watermaster has a standardized procedure in place for communicating, supporting, and verifying modeling activities as well as contacting well representatives and doing testing.

This was brought about by Plantation on the Lake, he explained. When staff is going to private wells, there must be a way to have someone representing the private property accompany Mr. Bandon and observe to assure the concern is addressed.

Mr. Bandon indicated that he visits 15 wells in the Basin every other month accompanied by a representative of one of the water agencies to assure there is understanding of what is being done. There has never been an issue, he reported. Of the 15 wells, 13 are dedicated monitoring wells not used for groundwater production, which is preferred, he noted. Only BCVWD Well 25 and 29 are production wells, used because there are no other options in that location.

Bandon reported to the Committee a request from Mr. Jim Kruger for information on static water levels at the Plantation on the Lake and vicinity. Bandon explained the attempt to gauge water level using their well and subsequent inquiry from the Regional Water Quality Control Board implying that the well producers were being forced to have the equipment installed. Ms. Sabin indicated concern about contamination and water quality, then contacted Member Armstrong by email.

Chair Vela advised that the email mentions concern about disinfection of the probe. Mr. Jagers will create a draft document and Counsel Montoya will respond with a formal letter detailing procedures.

Mr. Bandon added that he advises the agencies a week ahead of his visit.

VIII. Topics for Future Meetings

- a. Development of a methodology and policy to account for groundwater storage losses in the basin / Groundwater management
- b. Incidental discharge
- c. Development of a recycled water policy
- d. Finalization of Return Flow Technical Memorandum
- e. Presentation of draft 2021 Annual Report (April 6)

IX. Comments from the Watermaster Committee Members

Mr. Jagers noted that BCVWD is now preparing the Committee agendas and advised that agendas will be compiled the Wednesday prior to the meeting.

X. Announcements

- a. Special meeting / workshop date: Thursday, March 10 at 11 a.m.
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, April 6, 2022 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. June 1, 2022 at 11:00 a.m.
 - ii. August 3, 2022 at 11:00 a.m.
 - iii. October 5, 2022 at 11:00 a.m.
 - iv. December 7, 2022 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:53 a.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Special Meeting
Thursday, March 10, 2022**

Meeting Location:

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

The meeting was also available via teleconference.

I. Call to Order

Chairman 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>Daniel Jagers</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>Dave Armstrong</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joe 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.

Members of the public who registered and / or attended:

Lance Eckhart, San Geronio Pass Water Agency
Jennifer Ares, Yucaipa Valley Water District

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Consideration of Resolution 2022-03: Authorizing Public Meetings to be Held via Teleconferencing Pursuant to Government Code Section 54953(e) and Making Findings and Determinations Regarding Same

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

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

VI. Reports

A. Report from Legal Counsel – Thierry Montoya, Alvarado Smith Effect of Court Ruling on Production versus Extraction Credits

Counsel Montoya advised that he analyzed the Court's ruling regarding motions filed as to overlier and appropriator transfer and the procedural creation of Rule 7.3 and its implementation. Whether the Court's ruling could have any bearing on issues discussed relative to production vs. extraction credits. He drew attention to the memo included in the agenda packet regarding the ruling, which applies to issues when the pleadings cover the issues considered by the Court. Here, the Court's ruling was without prejudice, which means that some of the issues could have survived based on new facts. Survival depends on when or if there are new facts; an issue to be determined if it ever arises within the context of the prior pleadings.

The key is that the Court focused on the implementation of Rule 7.3 and found no evidence at the time the issue was before it of any inconsistency between Rule 7.3 and the physical solution, and its implementation did not cause harm to the Basin, and did not negatively impact the use of overlying water rights. The Court had some very helpful language in the order: findings that the Watermaster has freedom within the ambit of the judgment to come up with a physical solution, water plans, amendments, and to address those issues. The Court noted it is a stipulated judgment, so it isn't entirely fluid; however, there is room to move and for the Court to reasonably interpret and amend concepts that have a footing within the judgment.

This is good in terms of moving forward with discussion on the issues of water in storage accounts. All basins lose water, Montoya said, and there are lots of ways to address the issue. It should continue to be discussed. Within the language of the order, it would run afoul of the order if it were said that the storage accounts have no foundation. But what has been done with the accounts regarding pumping or not, those issues are wide open.

Prior discussion regarding giving credit to overlying water rights holders for what is in the storage account seems inconsistent with one of the judge's findings that the implementation of Rule 7.3 does not hamper the water rights granted under the judgment. Overliers are still free to use their water right and to transfer their water, and it appears that giving credit under those circumstances would be a fundamental shift from the amended judgment.

Watermaster discussion is enhanced by having some latitude from the Court, but the Committee can move forward with issues as to how best to implement Rule 7.3, not to set it aside.

Montoya said he would give guidance if certain issues arose within the amended judgment and within the order.

VII. Discussion Items

- A. Draft Groundwater Water Well Level Measuring Procedures and Review of Draft Response Letter to the Regional Water Quality Control Board

Recommendation: Review, comment and provide direction.

Member Jagers reminded the Committee about communication received and responded to from the Regional Board. In response, he prepared a draft concept on how the procedure may fit into BBWM Rules and Regulations as a starting point for discussion.

Member Zoba suggested a section on applicability to consultants, or a non-appropriator well site, trusting that all Committee members have their own processes and procedures in place. One stop further might be for each to collect their own data and submit to the consultant, he noted.

Jagers noted the applicability of a general procedure / reference for all staff for consistency. Zoba agreed it could serve as a foundation, but suggested loosening some language to allow for other processes agencies may use. He suggested staff review.

Jagers indicated he would be willing to compile comments and input from staff and spearhead the effort to complete the policy.

Member Armstrong noted it is a good guideline. Chair Vela recommended a notification process or timeline for the owner of the well, i.e., 24- or 48-hours' notice. In addition to naming specific equipment, Vela suggested adding "or available and approved measuring devices."

Engineer Tom Harder said that as the one who is interpreting the data, he agreed with Member Jagers that a common minimum standard of measuring water level in the wells would allow some assurance that there is quality associated with the measurement. He noted the importance of reliable data and said he would review the procedure.

Member Hart expressed concern that this should not create hardship for other agencies. It was suggested to later discuss a standard to set up wells for a fixed base survey.

Engineer Hannibal Blandon recommended GPS coordinates for all wells in the Basin to provide a good ground elevation basis. He acknowledged Jagers' point on the potential of inaccurate tape length. In his conversations with staff, Blandon said he learned that staff rarely waits 24 hours of pump idle time to collect samples, especially in the summertime when wells must be active. The data they provide might not be true static data, he explained.

Blandon also noted the frequency of data collection should be every 60 minutes, not 10 minutes.

Members will provide comments to Jagers. Chair Vela continued the item to the April 6, 2022 meeting.

B. Transfer of Water from San Geronio Pass Water Agency Storage Account to Beaumont-Cherry Valley Water District Storage Account

Recommendation: Receive and file.

Member Jagers introduced the letters from San Geronio Pass Water Agency (SGPWA) and BCVWD regarding the transfer of water. He requested memorialization of the transfer. Mr. Lance Eckhart indicated this is a movement of water and accounts have been adjusted. Everyone received their fair ration; it is just a different source of water, he stated.

This is the first year that SGPWA has used its storage account and moved it to one of the retailers, Eckhart said. He added that he is pleased that the 580 acre-feet was pre-stored, and there is \$500 million in this year's budget to buy excess water; but there is none available.

Member Jagers noted the need for discussion on how to proceed moving forward and suggested a running total to be kept of such transfers. Member Zoba pointed out a form for such transfers; Jagers indicated the form for transfers between appropriators could be modernized and use.

For purposes of the annual report, the transfer will be memorialized in 2022, Blandon noted.

C. Workshop: Review of Watermaster Foundations and Setting of Goals and Objectives

Recommendation: Discussion

Member Jagers directed attention to the February 2, 2022 memo from the City of Beaumont. Member Hart indicated that the intention was to provide a basic framework for initiation of discussion. He reviewed the suggested items for discussion and the objective of the discussion.

Chair Vela emphasized the effort necessary to dive into the topics in preparation for the workshops and suggested working on the easier items and waiting for a facilitator / coordinator to guide others.

Member Hart suggested beginning with a higher-level examination of the mission statement, vision statement and some of the goals and objectives to help define more detailed stages to tackle some of the items, as some are not as pressing as others. He said the intent was to assure all are on the same page and working toward a common goal.

Vela noted that some items will have related technical analysis which may get rolled into the efforts to redetermine the safe yield.

Jagers cautioned that the high-level outline is needed, but the other pieces must not be forgotten moving forward. These things do not happen without effort, he explained, and acknowledged Member Zoba's efforts. The long-term solution is probably not for one entity but for a consultant or subcategory of the next round of work, he noted. Being demonstrated here is how much there is to tackle, he added. Moving forward, a strategy that serves the needs of the Watermaster is needed, and it cannot be one entity's staff. He suggested the Committee members parse up the work or retain a consultant.

Member Zoba recalled that the agency previously had a Chief of Watermaster Services, an employee that was funded by all agencies who did a great job. After a while, YVWD took on the role to push out agendas, but there is a lot to do, he noted. He suggested an RFP for a position that would be able to provide research, memorandums, and recommendations. Jagers, Vela and Hart concurred regarding the need for expertise and assistance. Mr. Zoba will develop an RFP for the position with Memorandum 22-06 attached.

Mr. Harder commented that Member Hart's outline looks similar to a Groundwater Sustainability Plan or a Basin Management Plan. It is beneficial from the technical side to have a clear understanding of needs,

goals and operation of the Basin before any technical studies or modeling is done, he said, and recommended a formal action plan.

Chair Vela agreed and noted it further justifies assistance with development of scope and assistance through the RFP process, and manage whoever is hired.

It is a lot like the Sustainable Groundwater Management Act, but there is a judgment here and protection of storage is important, as all have built groundwater management plans around it, Member Armstrong stated.

Chair Vela continued the item to a future meeting.

D. Consideration of Engagement of Coordinator / Facilitator to lead future Workshops

Recommendation: Direct staff to identify an available candidate or candidates and bring back information to the April 6, 2022 meeting

Chair Vela indicated that this ties into the RFP to be produced. He continued the item to the next meeting.

VIII. Comments from the Watermaster Committee Members

Member Zoba noted the construction of an industrial building on Cherry Valley Boulevard and advised of an arrangement between Beaumont-Cherry Valley Parks and Recreation District and YVWD for use of the groundwater well. Recycled water pipeline is also being extended for the landscaping needs, he noted.

Member Jagers advised that the intent is to continue to offer hybrid teleconference and in-person meetings at the BCVWD office. The AB 361 item will continue to be agendized.

In response to Chair Vela, Counsel Montoya advised that the term extension amendment to the contract for completion of the annual report should be agendized on the April 6, 2022 meeting. Jagers reminded that the work was authorized for 2022 and an RFP would be created as part of the workshop activities. Mr. Montoya reminded about outstanding tasks and the need for a new contract moving forward.

IX. Announcements

- a. Special Meeting / workshop date: None set.
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, April 6, 2022 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. June 1, 2022 at 11:00 a.m.
 - ii. August 3, 2022 at 11:00 a.m.
 - iii. October 5, 2022 at 11:00 a.m.
 - iv. December 7, 2022 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 12:17 p.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, April 13, 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 11:03 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>Daniel Jaggers</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>Davis Armstrong</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joe 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.

Members of the public who registered and / or attended:

Cenica Smith, Beaumont-Cherry Valley Water District
Mark Swanson, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District
Lynda Kerney, Beaumont-Cherry Valley Water District
Joyce McIntire, Yucaipa Valley Water District
Jennifer Ares, Yucaipa Valley Water District
Albert Maldonado
Lance Eckhart, San Gorgonio Pass Water Agency
Larry Smith, San Gorgonio Pass Water Agency
Madeline Chen, Ortega Strategies

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Resolution 2022-04: 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. January 5, 2022 Special Meeting
 - b. February 2, 2022 Regular Meeting
 - c. March 10, 2022 Special Meeting
- C. Status Report on Water Level Monitoring throughout the Beaumont Basin through March 21, 2022
- E. ALDA Contract Execution

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

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

Member Jagers requested to pull Item D for discussion.

- D. A Comparison of Production versus Extraction Credits through February 2022

Member Jagers noted that at the last BBWM meeting, Beaumont-Cherry Valley Water District and the San Geronio Pass Water Agency memorialized a transfer of 508 acre-feet between a storage account and an appropriator. He suggested adding a row to the chart to include comment to show such activities. Mr. Blandon agreed, and noted it was the first time ever for this. He requested to be informed about such water transfers.

There was no vote on approval of Item D.

VI. Reports

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

Mr. Blandon advised of a need for replacement equipment and noted that funding has been set aside.

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

No report.

- C. Report from Legal Counsel – Thierry Montoya, Alvarado Smith

Mr. Montoya advised that the memorandum extending ALDA's contract was prepared.

VII. Discussion Items

- A. Alvarado Smith Request for Rate Increase

Recommendation: Discuss and consider approval of an increase in rates for General Counsel Services provided by Alvarado Smith

Chair Vela introduced the item and noted the increase is reasonable.

It was moved by Chair Vela and seconded by Member Jagers to approve the increase in rates for General Counsel Services provided by Alvarado Smith.

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

- B. Finalization of Return Flow Technical Memorandum

Recommendation: Approve the Memorandum

This has been underway for quite some time, Vela reminded. Mr. Tom Harder reported that since 2013, appropriators have been looking at

accounting for return flow. In 2018, engineers were asked to come up with methodology and a draft report was submitted in July 2018. Based on comments received, staff looked at modifications based on potential result from return flow. A revised draft was submitted in May 2021. No comments other than some minor return flow on golf courses were received; therefore, no further changes have been made and the report has been finalized.

Chair Vela said the document is in final form, and suggested it is appropriate to approve unless there are additional comments or suggested revisions.

Vela asked about the application of the Basin Management. He reminded about discussion regarding accounting for return flows in the annual report. Mr. Montoya responded that if a policy is developed for public consideration, then there will have to be a draft and vote on it. For now, the Committee can continue exploring the issue.

It was moved by Member Jaggars and seconded by Member Hart to approve the Return Flow Technical Memorandum.

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

C. 2021 Consolidated Annual Report and Engineering Report – Presentation of Draft Report

Recommendation: None. For information purposes only.

Mr. Blandon reviewed the report. There were no resolutions adopted in 2021. He pointed to a new section titled "Recent Opinions related to the Judgement," related to the YVWD filing of two motions to the court, included as Appendix A. He pointed to that the final budget numbers are not yet available.

Blandon emphasized that precipitation has been significantly less than the long-term 100-year average, and has been since 2010. He explained that groundwater production by appropriators in 2021 was 17,904 which is 15.9 percent higher than the 2017-2021 average year. Contributing to the increase production. He pointed to the changing proportions produced by individual appropriators. Total combined production for overliers in 2021 was 2,034 acre-feet (af) which is slightly less than the

five-year average, representing less than one-third of the total production right from the Basin.

Production by overlies continues to decline, Blandon stated, and it stands at 60 percent of what was produced in the early 2000s. He explained the required replenishment of the Basin and the highest producers. None have reached their maximum allowable production, he noted. Over 99 percent of prod by overlies is metered.

Jaggers advised that there may have been imported water to the City of Banning in 2021. Banning will provide the information.

Harder pointed to the operating safe yield and explained groundwater flow trends. There were negative changes throughout the Basin this year due to lower precipitation, an increase in production and a decrease in artificial recharge. He estimated about a 9,500 af negative storage change in the Basin in 2020-2021 and 2,500 af of artificial recharge.

Harder described variances in groundwater levels. Member Zoba requested inclusion of BCVWD Well 29 in contour maps.

Harder explained that every year, the model is being updated to determine the Operating Safe Yield. Harder recommended obtaining monitoring well data from December to improve storage calculations in the Noble Creek area. It has been dry since 2011, Harder said, therefore it is not surprising that the safe yield value is lower than estimated for 2014. He reminded that the long-term safe yield will need to be reevaluated next year, and in response to Member Jaggers asserted that he believes the storage estimates were underestimated for the last three years.

Mr. Blandon introduced the California Department of Public Health Groundwater Ambient Monitoring and Assessment database (GAMA), which is a better tool for water quality, however only 2,760 results were obtained statewide. Blandon said he is checking the data.

Blandon discussed water quality and said no state or federal standards were exceeded in 2021.

Mr. Blandon reminded the Committee that a study on groundwater storage loss was conducted in 2018, and recommended development of a policy to account for the losses and for recycled water recharge. He also recommended the development of a protocol to increase accuracy and consistency of data reporting (requesting water meters to be calibrated and provision of documentation).

Mr. Blandon advised that he would produce a final report for approval at the June 1, 2022 meeting. He requested comments by May 13 for inclusion in the final report.

D. Certification of Groundwater and Imported Water Use during Calendar Year 2021

Recommendation: Certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during CY 2021

It was moved by Member Zoba and seconded by Member Jagers to certify groundwater production, imported water spreading, and change in storage in the Beaumont Groundwater Basin during CY 2021.

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

E. Consideration of a Request for Proposals to Provide Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster

Recommendation: Authorize the release of the Request for Proposals

Member Zoba reviewed the project timeline and requested direction from the Committee. He offered to disseminate the RFP to YVWD's list of consultants, and will add others that are submitted by members of the Committee.

Member Hart concurred that this assistance is needed. He suggested adding a timeline to assure all are on the same page. The City of Beaumont distributes RFPs via Public Purchase, and Hart said he would be happy to fly it there.

Member Jagers indicated there may be another option for delivery of services. Certain tasks could be excluded if there is staff to perform them, Zoba noted. He suggested building upon what is currently done. The individual or consulting firm would augment the engineering consultant staff and make recommendations. The cost for these services would be on a time and materials basis.

Chair Vela asked about the process for proposal evaluations and interviews. Member Zoba suggested that it would be via an open, noticed online meeting, with a target for approval at the June meeting. Member Hart supported the timeline and the points in the RFP. Vela concurred and said points can be fine-tuned based on proposals received.

Jaggers recommended separate evaluation and weighting of costs. A scoring matrix was suggested, and Member Zoba proposed first ranking the proposals 1 – 10, then interviewing the top 5. This would allow all agencies to process individually, but cumulatively come up with a final, Zoba stated.

Proposals will be sent out by the City of Beaumont and will be returned via the portal.

It was moved by Member Hart and seconded by Chair Vela to approve the Request for Proposals to Provide Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster and authorize the release of same.

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

F. 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, 2021

Mr. Zoba advised that Rogers, Anderson, Malody & Scott (RAMS) conducted the independent auditor's review.

It was moved by Member Jaggers and seconded by Member Armstrong to receive and file the Independent Accountant's Financial Report for the period ending June 30, 2021.

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

G. Consideration of the Watermaster Budget for Fiscal Year 2022-23

Recommendation: Approve the Budget for Fiscal Year 2022-23

Zoba reminded the Committee about the practice of billing out any additional costs via invoice. Next year, he said, the budget may be amended to scale back to define only the administrative costs, but to continue invoicing upon approval, it may be more difficult for members to get a budget number. The change would need to be approved by the Committee, he noted.

Carrying forward in a streamlined administrative budget would be items including the prior approved RFP, legal expenses, and a reserve fund, Zoba explained. Everything else would be issued by task order and invoiced out appropriately.

Zoba recommended approval of the FY 2022-23 budget in its current format with no additional invoices or charges needed at this point in time.

It was moved by Member Jagers and seconded by Member Armstrong to approve the budget for Fiscal Year 2022-23.

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

H. Financial Status Report

Recommendation: Presentation only – no action required.

Member Zoba presented the monthly report.

VIII. Topics for Future Meetings

- a. Development of a methodology and policy to account for groundwater storage losses in the basin / Groundwater management
- b. Incidental discharge
- c. Development of a recycled water policy
- d. Development of a return flow accounting policy

IX. Comments from the Watermaster Committee Members

None.

X. Announcements

- a. Special meeting / workshop date: None set.
- b. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, June 1, 2022 at 11:00 a.m.
- c. Future Meeting Dates:
 - i. August 3, 2022 at 11:00 a.m.
 - ii. October 5, 2022 at 11:00 a.m.
 - iii. December 7, 2022 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 12:37 p.m.

Attest:



Daniel Jaggers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, June 1, 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 11:03 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>Mark Swanson</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>David Armstrong</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joe 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.

Members of the public who registered and / or attended:

Joyce McIntire, Yucaipa Valley Water District
Albert Maldonado, BB&K
Larry Smith, San Geronio Pass Water Agency
Ron Duncan
Steve Stuart, Dudek
Madeline Chen, Ortega Strategies
Dan Jaggars, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Resolution 2022-05: 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. April 13, 2022 Regular Meeting
- C. Status Report on Water Level Monitoring throughout the Beaumont Basin through May 18, 2022
- D. A Comparison of Production versus Extraction Credits through February 2022
- E. A Comparison of Production versus Extraction Credits through April 2022

It was moved by Member Zoba and seconded by Member Hart to approve Consent Calendar items A – E.

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

VI. Reports

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

No report.

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

No report.

- C. Report from Legal Counsel – Thierry Montoya, Alvarado Smith

Mr. Montoya advised that he reviewed and commented on the proposed Request for Proposals. He suggested to Mr. Blandon a different title or the list of legal decisions for the prior year.

VII. Discussion Items

A. 2021 Consolidated Annual Report and Engineering Report Draft – Response to Comments

Recommendation: Approve the 2021 Report

Mr. Blandon reported the following comments received:

- *City of Banning: The San Geronio Pass Water Agency's transfers from the City of Banning and the Beaumont-Cherry Valley Water District (BCVWD) were conducted in 2021 and should be included in the annual report. This was discussed at the April 13 meeting, and it was agreed to put them in the 2022 report; however due to this request they were included in the 2021 report, resulting in a change to Table 3-8.*
- *Beaumont-Cherry Valley Water District: primarily editorial comments regarding consistency of terms, and labeling*
- *Yucaipa Valley Water District (YVWD): 1) the Watermaster Committee should develop a workflow and methodology for tracking and accounting for the use of overlying water rights and conversion of overlying rights to appropriative rights, and should be included in the annual report. Blandon recommended discussion by the Committee at a future meeting, and 2) YVWD has been providing water for construction of two warehouses on Cherry Valley Boulevard and production that was used is to be reported. Production from August to December was included in the annual report; however, the numbers for June and July were not reported so are not included. The numbers must be incorporated and will result in changes to tables as it impacts the amount of groundwater produced by YVWD as well as the impact on water rights and storage issues. Table 3-1E was corrected with June and July data. Table 3-3B was edited and Table 3-8 was updated. Figures 3-4, 3-5 and 3-6 were updated to include June and July 2021 data.*
- *Legal Counsel Thierry Montoya: Suggested a change of title for Section 1.3.*

Final expenses of 2021 are now available, Blandon reported. During the fiscal year, \$108,982.59 was spent of the approved budget. The budget for FY 2021-22 is \$246,700.

Mr. Swanson requested clarification of the location of the YVWD well used for Calimesa irrigation in Table 3-1E. Blandon will include a figure

depicting the location. Mr. Zoba requested Blandon to refer to the YVWD well site as "I-10 Logistics",.

It was moved by Member Zoba and seconded by Chair Vela to approve the 2021 Consolidated Annual Report and Engineering Report with the stated modifications.

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

- B. Consideration of a Response to Request for Proposals from Dudek to Provide Professional Administrative and Technical Support Services to the Beaumont Basin Watermaster

Recommendation: That the Watermaster enter a contract with Dudek for Professional Administrative and Technical Support Services for a sum of \$87,730 and send invoices to each Watermaster Committee member for 20% of the approved amount

Member Hart reminded the Committee of prior discussion regarding administrative support to the Committee and recommendations. An RFP was posted by the City of Beaumont and went out to numerous individuals. One proposal was received from Dudek in the amount of \$87,730. Should this be approved, the treasurer will invoice Committee members for their respective cost of the item, Hart reported.

Mr. Hart explained that Dudek has a good working knowledge of the region and has worked on various projects in the area.

Mr. Swanson pointed to Dudek's substantial number of disclosures of work in the area and asked if anyone felt there was any conflict of interest.

Mr. Swanson pointed out there seems to be some overlap of technical aspects between this proposal and the Engineering Services RFP in item VII-D. He suggested compiling a list of needs and dividing between administrative and technical to delineate the two RFPs.

Chair Vela asked if any other firms had reached out. Mr. Jagers advised that BCVWD received the proposals, and this was the only one.

Member Hart explained the goal was for provision of administrative services with the ability to engage with technical aspects. He suggested

looking at this as a not-to-exceed budgetary number; selectively implementing tasks and combining with on-call engineering services. He reminded the Committee about the need for a facilitator / administrator who would potentially engage with engineering analyses as needed but also help procure additional work.

Member Zoba related his experience with Dudek and billing. He noted that although it may seem there is some duplication, it is up to the Committee to define. He pointed out that Dudek has much useful information and suggested review of Basin reports and key wells. He agreed this should be an upper limit budget line item with a refined scope to assure there is value.

Chair Vela lamented there were no other proposals and noted the RFP could be re-opened. He concurred about the budget line item and noted the importance of assuring there are no overlapping task items.

Member Armstrong stated Dudek did a good job in the Yucaipa Basin, but he would have liked to see another bid, and agreed with re-opening the RFP. Member Hart said it was seen by several firms and he was not sure re-opening would yield more proposals.

Chair Vela invited public comment. There was none.

Member Zoba posited that it is time for a fresh assessment of the Watermaster activity. Member Hart offered an amendment to the motion regarding process for task order approval by the Committee. Mr. Montoya advised it could be added to the agreement.

The agreement goes through June 2023 and can be extended, Zoba responded to Chair Vela. Mr. Montoya indicated that whoever receives the agreement should circulate it for comments. Member Zoba recommended Mr. Montoya compose or review the agreement.

It was moved by Member Zoba and seconded by Member Hart to approve entering a contract with Dudek for Professional Administrative and Technical Support Services for a sum of \$87,730 and sending of invoices to each Watermaster Committee member for 20 percent of the approved amount.

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

C. Draft Groundwater Water Well Level Measuring Procedures and Review of Draft Response Letter to the Regional Water Quality Control Board

Recommendation: Approve the Groundwater Water Well Level Measuring Procedures and authorize transmittal of the letter to the RWQCB

Legal Counsel Thierry Montoya pointed to his February 8, 2022 email response to Ms. Jeanne Sabin of the State Water Board answering all her questions. There has been no further contact or request for clarification, he reported. He noted that the email states that a copy of the groundwater monitoring protocols will be sent. If the procedures are accepted, an electronic link can be sent to Ms. Sabin as a follow-up.

Mr. Swanson reminded the Committee that Member Jagers had circulated the draft protocols, but no comments have been received. Once comments are received, BCVWD staff will present the procedures at the August meeting, he noted, and then provide to legal counsel to respond back to State. Chair Vela noted there had been previous discussion.

Member Zoba asked that the subject of technology for well level measurement be addressed. Member Jagers recalled details of the prior discussion and indicated that the document was awaiting a methodology for consistency and to avoid overriding what others are doing, and incorporating movement toward electronic reporting. He requested responses as to agencies' comfort level with the approach and achievement of consistency across facilities, and whether there were other considerations.

Member Zoba requested additional time to review, and suggested obtaining input from the SGPWA.

In response to Chair Vela, Mr. Montoya indicated there was no issue with waiting until August to finalize the procedures.

Chair Vela tabled the item.

D. Consideration of a Request for Proposals to Provide Engineering Services to the Beaumont Basin Watermaster

Recommendation: Authorize the release of the Request for Proposals

Member Hart reminded the Board of previous discussion. He noted that it has been a while since the contract for engineering services had been subject to competition and it may be time to send out another RFP. The proposed scope of work is

straightforward and is similar to the original with few modifications, he stated.

Mr. Swanson asked about target date for beginning work and noted that there is a short timeline for receiving proposals. He suggested a later special meeting to review proposals and commented on the grading rubric and process timeline.

Swanson recalled the earlier comment on a few tasks that appear to conflict with the administration contract, and suggested that the not-to-exceed nature of the contract should be able to eliminate that conflict by bringing in a second set of eyes when needed. He noted that one firm should be responsible for the data. He also suggested including the potential for extension of the contract and commented on some RFP details.

Mr. Hart clarified the timeline. He pointed to the scoring summary and indicated the intent for committee discussion of the top few candidates. Multiple firms may be considered as there may be times when additional assistance is needed, he noted. He suggested an initial three-year term with two one-year extensions.

Chair Vela supported advancing the RFP issue date. He suggested that the overlap between the scopes of work could be later refined while this focuses on finding the right firm to submit a proposal. He also noted the advantage of having more than one consultant available.

Mr. Swanson commented on task details and suggested inclusion of the upcoming re-evaluation of the safe yield.

Mr. Montoya confirmed that there is no legal requirement for provision of hard copy proposals. He recommended having a contract term that does not result in amendments to a contract that is several years old: a three-year or five-year term that the Board can extend.

Member Zoba suggested amendments to the scope. He noted that ALDA is under contract for the 2022 Annual Report. Mr. Zoba suggested that the scope include work to prepare the 2023, 2024 and 2025 annual reports, and include work for re-determination of the Safe Yield in 2024. He suggested pushing the deadline to receive proposals to the Fall.

Chair Vela commented on waiting for Dudek under contract to administer this RFP. Mr. Hart commented that he did not want the RFP to slide too much.

After further discussion of the timeline, consensus was to move forward and target October for decision making and December approval. Mr. Zoba indicated interest in seeing the RFP again before issuance. Mr. Jaggers pointed out that Dudek may be a respondent to the RFP and would not be able to administer their own contract.

Mr. Montoya recommended reducing the required number of hard copies of the annual report to be submitted. He noted that the consultant will need to hit the ground running in order to meet the April 1 deadline.

It was moved by Member Zoba and seconded by Chair Vela to approve the RFP subject to the clarifications.

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

VIII. Topics for Future Meetings

- a. Development of a methodology and policy to account for groundwater storage losses in the basin / Groundwater management
- b. Incidental discharge
- c. Development of a recycled water policy
- d. Development of a return flow accounting policy

IX. Comments from the Watermaster Committee Members

None.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, August 3, 2022 at 11:00 a.m.
- b. Future Meeting Dates:
 - i. October 5, 2022 at 11:00 a.m.
 - ii. December 7, 2022 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 12:10 p.m.

Attest:

A handwritten signature in blue ink, appearing to read 'D. Jagers', is written over a horizontal line.

Daniel Jagers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, August 3, 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 11:03 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>Jennifer Ares</i>	<i>Present</i>

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

Thierry Montoya was present as BBWM legal counsel.

Members of the public who registered and / or attended:

Joyce McIntire, Yucaipa Valley Water District
Madeline Blua, Yucaipa Valley Water District
Nyles O'Harra, Yucaipa Valley Water District
Mike Kostelecky, Yucaipa Valley Water District
Mia Preciado, Yucaipa Valley Water District
Lance Eckhart, San Gorgonio Pass Water Agency
Steve Stuart, Dudek
Mark Swanson, Beaumont-Cherry Valley Water District

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Resolution 2022-06: 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. June 1, 2022 Regular Meeting
- C. Status Report on Water Level Monitoring throughout the Beaumont Basin through July 20, 2022
- D. A Comparison of Production versus Extraction Credits through June 2022

It was moved by Member Jagers and seconded by Member Armstrong to approve Consent Calendar items A – D.

AYES:	Hart, Armstrong, Swanson, Vela, Ares
NOES:	None
ABSTAIN:	None
ABSENT:	None
STATUS:	Motion Approved

VI. Reports

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

Mr. Blandon reported that the annual 2021 Consolidated Engineering Report has been submitted as final. An email link to download the file was sent to committee members.

Blandon reported issues with vandalism at Summit Cemetery. The probe and communications cable were stolen. A couple more cables and transducers are not working properly, and he is working with Ms. Ares to reorder components.

A spreadsheet mistake on Beaumont Cherry Valley Well 2 is being corrected and the new figure will be reported at the next meeting. Chair Vela asked if it would impact the data in the annual report; Mr. Blandon responded that it would have a minor impact on storage as reported

water levels were lower than they should have been. All will be revisited in 2023 when the safe yield review is conducted, he added.

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

No report.

- C. Report from Legal Counsel – Thierry Montoya, Alvarado Smith

Mr. Montoya pointed to the Memoranda included with the agenda packet and said he is working with Dudek to modify their contract proposal. The focus was on tying the work activities to the discreet items in the contract and further tying payment to an amount up to their anticipated budget. He said he also reviewed their standard provisions and they're fine under California law. The agreement was finalized and sent to Mr. Jagers for execution.

Jagers advised it has been executed.

VII. Discussion Items

- A. Introduction to Dudek, and Discussion and Prioritization of Assignments

Recommendation: Direct staff as desired

Chair Vela introduced Steven Stuart of Dudek, newly engaged consultant. Mr. Stuart thanked the Committee and acknowledged the work with Mr. Montoya to adjust the proposal for the work desired.

Chair Vela pointed to the Topics for Future Meetings and indicated that items may be identified based on this discussion.

Member Jagers suggested the role of Dudek will be to move forward some of the projects as an extension of the Watermaster, helping formulate an approach to issues identified and making recommendations.

The Committee tasked Dudek with the following:

- A. *RFP for engineering services. Member Hart said this is intended to be brought back for discussion at the October 5 meeting. It was advertised today, he noted. Chair Vela said it is intended for Dudek to take over the process, working with Member Hart, compiling the proposals, potentially setting up an ad hoc committee, and*

determining how to evaluate the proposals. Jagers suggested each agency add a link to the City of Beaumont's procurement to their respective websites.

- a. Develop / provide a scoring / matrix sheet for each of the Committee members*
- b. Prepare to make a recommendation for award of contract at the October 5 meeting*
- c. Determine whether interviews are recommended*
- d. Call a special meeting if needed*

B. Groundwater Water Well Level Measuring Procedures. Chair Vela advised that Member Jagers has prepared the draft document and it needs to come back to the Committee for final approval, with incorporation of comments from Member Zoba.

C. Procurement policy. Member Hart indicated the project was started but was shelved in favor of the RFP for engineering services. It needs to be finalized in order to move forward.

D. Coordinator / Facilitator for future workshops. Chair Vela indicated this was part of the impetus for administrative services. Dudek would either be the coordinator or assist with finding a coordinator to facilitate the various topics that will make up a series of workshops. He suggested preparing a strategy based on meeting minutes or previous agendas. Member Ares indicated she is struggling with the difference between this activity and the role of Dudek; Vela acknowledged the gray area. Member Jagers recollected some history and noted the purpose was to assure there was an approach that was fair to all. A facilitator was considered, then the workshops were stalled, and Dudek was brought in. The intent was to start with that condition to see if Dudek could spur forward movement. It may not need facilitation as much as a straightforward approach offering the opportunity for all to comment, with Dudek putting together a presentation and acting as a go-between with the Committee members and the engineering firm. Vela agreed and suggested a first step would be to summarize the topics of interest and develop a framework of next steps.

E. Evaluation of Storage Issues in the Basin. Chair Vela noted this item is related to the Coordinator / Facilitator / Workshop task.

F. Recycled Water Policy. Jagers noted that the YVWD meeting agenda included discussion on aquifer storage and recovery wells, and it appears to be the intent of YVWD to recharge recycled water. The policy is of interest to the City and BCVWD, he said.

Ms. Ares said there are regular meetings on the topic in which Mr. Stuart is welcome to participate to get up to speed.

G. Development of a methodology and policy to account for groundwater storage losses in the basin / groundwater management. Member Jagers advised that there is discussion of what was supposed to be taken out of storage and what the balances are, and it sounds like there is an update to the Well 2 condition that may change the look of storage on the east side of the basin. Tracking this and gaining and understanding will help focus on an approach, Jagers noted. The expectation would be to work with Mr. Blandon and Mr. Harder to move the projects forward this year, and figure out where it is headed in the future.

Member Armstrong noted that he has had a great working relationship with Mr. Stuart and believes he is the right person for the job.

Chair Vela indicated that the other items listed in Topics for Future Meetings are more mid-term objectives and said he would like to see them wrapped up at some point.

Mr. Stuart said that as he becomes more familiar, he will communicate and follow up to move items forward.

Jagers redirected the discussion to the Engineering services RFP. The final date for return of proposals is September 16. Jagers expressed concern with the review and scoring of proposals and recommended consideration of an award of contract at the October 5 meeting, as it will be close to the end of the year and time will be needed for onboarding. Hart assured that is the goal, and Vela agreed. Armstrong reminded that the re-evaluation of the safe yield is due, and Montoya pointed out the annual report is due in April, so the earlier the approval the better. After discussion, a timeline was determined, and tasks enumerated.

VIII. Topics for Future Meetings

- A. Responses to the Request for Proposal for Engineering Services
- B. Draft Groundwater Water Well Level Measuring Procedures
- C. Procurement Policy
- D. Engagement of Coordinator / Facilitator to lead future Workshops
- 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

Chair Vela invited public comment. Mr. Lance Eckhart of the San Geronio Pass Water Agency (SGPWA) advised that a coordinator / facilitator was a move in the right direction, and this is a formal process for a workshop type of atmosphere in determining the operations of the Basin. "We are all in this together," he stated.

Eckhart pointed to the importance of the evaluation of storage issues, developing an operational range, looking at storage losses and said that SGPWA went through similar discussions with the Groundwater Sustainability Plan, of which Dudek was a part. He encouraged the Watermaster Committee to have the discussions and include the SGPWA, and to move forward the importation and storage of water as aggressively as possible. Chair Vela stated that he did not expect the SGPWA not to participate.

IX. Comments from the Watermaster Committee Members

Member Jagers advised that BCVWD is providing some water to the City of Banning via co-owned wells and provided some water to Tukwet Canyon Golf Course while one of their wells was being repaired this past month.

BCVWD has left the big producing Well 29 off since December in an effort to pump down the previous few years' mounds, Jagers indicated. Pumping in the recharge area is being done as much as possible to avoid a mound and move the recharge westerly. This is in preparation for a potential wet year to avoid potential imbalance in the system.

Chair Vela pointed out a vacancy for the City of Banning on the Committee. He said he will submit a resume and request for appointment of Nathan Smith, the City of Banning Deputy Public Works Director and City Engineer to Mr. Montoya.

The City of Banning is working on installing a new well, Well C8 within the Beaumont Basin boundary, north of Wilson, west of Highland Home Road at the southeast boundary within the Antelope development. It is partially grant funded and is awaiting State approval, likely four to six months away from beginning construction, Vela reported.

The City of Banning is also working to reestablish Well M12 which had suffered a catastrophic failure three to four years ago. An RFP is out for well design,

and it could be 12 to 18 months from construction, Vela said. He noted that the City is obtaining water from BCVWD primarily due to the development of this well, and development within the City is the most active it has been in the last 15 years. Part of the project includes an interconnection facility to BCVWD at Meline and Highland Springs which is under construction.

Jaggers reminded that the Watermaster requires new wells to have two monitoring locations, and notification. He suggested the agencies provide a letter to document the plans and said he would have a draft at the October 5 meeting. Member Ares pointed to required notification to Riverside County, also. Vela recognized that an acknowledgement letter from the Groundwater Sustainability Agency (GSA) would be needed.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, October 5, 2022 at 11:00 a.m.
- b. Future Meeting Dates:
 - i. December 7, 2022 at 11:00 a.m.
 - ii. February 1, 2023 at 11:00 a.m.
 - iii. April 5, 2023 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:48 a.m.

Attest:



Daniel Jaggers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, October 5, 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 11:04 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.

Members of the public who registered and / or attended:

Joyce McIntire, Yucaipa Valley Water District
Lonni Granlund, Yucaipa Valley Water District
Lance Eckhart, San Geronio Pass Water Agency
Ron Duncan, San Geronio Pass Water Agency
Steve Stuart, Dudek
Mark Swanson, Beaumont-Cherry Valley Water District
James Bean, Beaumont-Cherry Valley Water District
Robert Rasha, Beaumont-Cherry Valley Water District
Cenica Smith, Beaumont-Cherry Valley Water District

III. Pledge of Allegiance

Chair Vela led the pledge.

IV. Public Comments:

None.

V. Consent Calendar

- A. Resolution 2022-07: 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. August 3, 2022 Regular Meeting
- C. Status Report on Water Level Monitoring throughout the Beaumont Basin through September 19, 2022
- D. A Comparison of Production versus Extraction Credits through August 2022

It was moved by Member Zoba and seconded by Member Jaggars to approve Consent Calendar items A – D.

AYES:	Hart, Armstrong, Swanson, 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 on new equipment installation and an error on spreadsheet no. 2, which has been corrected.

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

No report.

- C. Report from Administrative Consultant

No report.

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

Mr. Montoya discussed the process to update Watermaster Committee members.

VII. Discussion Items

A. Consideration of Proposals and Award of Contract to Provide Professional Engineering Services to the Beaumont Basin Watermaster

Recommendation: Award Contract to Thomas Harder & Company for Professional Engineering Services for a sum of \$315,805 and send invoices to each Watermaster Committee member for 20% of the approved amount

Member Hart reported that the RFP was released on August 4, 2022 with bids due on September 16. One response was received from Thomas Harder and Company and Mr. Stuart prepared a scoring matrix.

Mr. Jagers thanked Harder and Associates and Mr. Blandon for submitting a proposal and said he believed their work to date has aligned with the Watermaster activities. The proposal touched on the bulk of the RFP items, he noted.

Mr. Hart indicated that the cost seems fair and is tantamount to historical costs given an increase related to determination of the safe yield.

Chair Vela concurred and invited public comment. There was none.

It was moved by Member Zoba and seconded by Member Jagers to approve the award of a contract to Thomas Harder & Company for Professional Engineering Services for a sum of \$315,805 and send invoices to each Watermaster Committee member for 20% of the approved amount.

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

B. Draft Groundwater Water Well Level Measuring Procedures

Recommendation: Review, Comment, and Provide Direction Regarding Subject Item

Member Jagers advised that Mr. Stuart had looked at the procedures, provided comments and added value. This activity began with some comments made regarding well monitoring activities, he reminded. The effort is to formalize procedures on behalf of the Watermaster to have repeatability and to provide some assured guidance that things are done consistently. For the Watermaster monitoring, this gets the job done, and for the member agencies some best management practices were shared, Jagers added.

A final step will be to prepare a resolution to adopt the proposed changes to the Rules and Regulations, Jagers suggested.

Chair Vela expressed appreciation and said the City of Banning field staff is comfortable with the procedures and requirements.

Member Zoba pointed out that Yucaipa Valley Water District (YVWD) would be installing injection wells rather than extraction wells and pointed to Section B. He suggested taking time before the next meeting to address injection wells and whether that water level data is useful.

Member Jagers acknowledged Zoba's point and advised that the project is now being spearheaded by Mr. Stuart, but he would be happy to participate. He suggested that since other recharge basins are being considered in the Beaumont Basin, it should be determined if there is enough monitoring to accurately reflect what the groundwater level is doing in areas of influence and how it might be managed to assure ongoing understanding and to have ways to level the recharge or extract under the mound with nearby wells.

Zoba indicated he was comfortable with monitoring the ASR wells but cautioned that the data relative to the mound must not impact the data negatively. He acknowledged that more monitoring is needed around the Basin, especially on the west side.

Comments should be sent to Mr. Stuart.

Mr. Eckhart advised that a recently approved contract between the San Geronimo Pass Water Agency (SGPWA) and the US Geological Survey (USGS) addressed data gaps on the west side, which should be useful to everyone. He suggested collaboration with Mr. Stuart.

Mr. Blandon pointed out that monitoring well measurement requires ceasing pumping for 24 hours and asked how that would be coordinated.

Member Jagers noted that the related guideline C reads, "wherever possible" and advised that stopping production would not likely be possible in the summertime, but if coordinated in advance there may be an opportunity to rest the well in advance in the spring and fall. The idea is to collect the best data possible, but in reality, with heavy reliance on extraction wells that may not be achieved. As more redundancy is created, it may become more of a reality, he stated.

Mr. Blandon pointed out that USGS has been using a number of wells on the west side but when some of the owners were approached, they showed reluctance to having a formal contract to install monitoring equipment. Jagers suggested collaboration with SGPWA.

VIII. Topics for Future Meetings

- A. Monitoring of future west side well sites and methodologies, and potential collaboration with USGS
- B. Draft Groundwater Water Well Level Measuring Procedures
- 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

Member Armstrong advised that South Mesa Water Company will be making a change to its representation on the Watermaster Committee. Member Jagers acknowledged the long-term commitment and contributions of Member Jorritsma.

X. Announcements

- a. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, December 7, 2022 at 11:00 a.m.

b. Future Meeting Dates:

- i. February 1, 2023 at 11:00 a.m.
- ii. April 5, 2023 at 11:00 a.m.
- iii. June 7, 2023 at 11:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:24 a.m.

Attest:



Daniel Jagers, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Regular Meeting
Wednesday, 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, Jaggars, 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 Jagers, Secretary
Beaumont Basin Watermaster

Appendix C

Amended Rules and Regulations (Dec 2022)

RULES AND REGULATIONS OF THE BEAUMONT BASIN WATERMASTER

Adopted: June 8, 2004

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1 GENERAL PROVISIONS

1.0 In General

In general, Watermaster will strive to accomplish as many of its specific duties as is feasible and practical by entering into agreements with the Parties for the performance of those duties (e.g., meter installation, testing and maintenance, meter reading, water level measurement, etc.). Nothing herein shall conflict with the terms of the Judgment.

1.1 Definitions

The terms used in these Rules and Regulations shall have the same meanings as set forth in Section 1, Paragraph 3 of the Judgment, unless the context shall clearly indicate a different meaning. The following additional terms are defined for the purposes of these Rules and Regulations:

- (a) "Annual or Year" means a fiscal year, July 1 through June 30 following, unless the context shall clearly indicate a different meaning.
- (b) "Judgment" means the Judgment Pursuant to Stipulation Adjudicating Groundwater Rights in the Beaumont Basin dated February 4, 2004 in the Riverside Superior Court, Case No. 389197.
- (c) "Salt Credits" means an assignable credit that may be granted by the Regional Water Quality Control Board and computed by the Watermaster from activities that result from the removal of salt from the Basin, or that result in a decrease in the amount of salt entering the Basin. Salt Credits may be used by Appropriators to facilitate implementation of the Beaumont Basin Water Resources Management Plan 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.
- (d) "Watermaster" and "Watermaster Committee" means the 5-member committee 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 who shall be an employee of or consultant to the nominating agency.

2 ADMINISTRATION

2.0 Principal Office

The principal office of the Watermaster shall be:

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

or at such other location as may be designed from time-to-time by the Watermaster by resolution.

2.1 Records

All records of the Watermaster shall be available for public inspection pursuant to the California Public Records Act, except as otherwise provided by law. Copies of such records may be obtained upon payment of the cost of duplication.

2.2 Meetings of the Watermaster

The Watermaster shall conduct regular meetings on the first Wednesday of every even numbered month. Special meetings and workshops may be called as necessary to conduct the business of the Watermaster. All meetings of the Watermaster shall be open in public and conducted in accordance with the provisions of the California Open Meeting Law (Brown Act).

2.3 Quorum

A majority of the 5-member committee acting as the Watermaster shall constitute a quorum for the transaction of business.

2.4 Voting Procedures

Only action by affirmative vote of a majority of the members of the Watermaster Committee shall be effective.

2.5 Employment of Experts and Agents

The Watermaster may employ or retain such administrative, engineering, geologic, accounting, legal or other specialized personnel and consultants as it may deem appropriate.

2.6 Acquisition of Facilities

The Watermaster may purchase, lease and acquire all necessary real and personal property, including facilities and equipment.

2.7 Investment of Funds

The Watermaster may hold and invest all Watermaster funds in investments authorized from time-to-time for public agencies of the State of California, pursuant to a Statement of Investment Policy adopted by the Watermaster Committee.

2.8 Borrowing

The Watermaster may borrow, from time-to-time, amounts not exceeding annual receipts (payments on funds borrowed to implement Watermaster projects and programs must be included in Watermaster assessments such that they are part of Watermaster's annual receipts).

2.9 Contracts

The Watermaster may enter into contracts and agreements for the performance of any of its powers, and may act jointly or cooperate with agencies of the United States, the State of California, or any political subdivisions, municipalities, special districts or any person.

2.10 Budgets

The Watermaster shall prepare a proposed annual administrative budget for the upcoming fiscal year for Watermaster review. The Watermaster shall hold a public hearing on each such budget prior to adoption. Budgets shall be prepared in sufficient detail so as to make a proper allocation of the expenses and receipts. The adopted budget shall be funded in the upcoming year through assessments made pursuant to the Judgment. Expenditures within budgeted items may thereafter be made by the Watermaster as a matter of course (Judgment p.22, lines 3-5).

2.11 Assessments

Pursuant to the Judgment, Watermaster is empowered to levy and collect the following assessments:

- (a) Annual Replenishment Assessments. The Watermaster shall levy and collect assessments in each year, in amounts sufficient to purchase replenishment water to replace Overproduction by any Party from the prior fiscal year. Replenishment assessments shall be collected not later than October 1 of each year. Under no circumstances shall Overlying Parties be required to pay assessments for pumping in an amount up to that set forth in column 4 of Exhibit B of the Judgment, subject to Section III of the Judgment.

- (b) Annual Administrative Assessments. Annually, not later than the June meeting of the Watermaster, a General Administrative Budget shall be adopted for the ensuing fiscal year for the purpose of funding General Administration Watermaster Expenses. The General Watermaster Administration Expenses shall include office rent, labor, supplies, office equipment, incidental expenses and general overhead. General Watermaster Administration Expenses will be assessed equally among the Appropriators who have appointed representatives to the Watermaster (Judgment, p. 19, lines 21-27).
- (c) Special Project Assessments. Special Project Assessments will be levied to cover special project expenses including: special engineering, economic or other studies, litigation expenses, meter testing or other major operating expenses. Each such project shall be assigned a task order number and shall be separately budgeted and accounted for. Special Project Expenses shall be allocated to the Appropriators, or portion thereof, on the basis of benefit. This may be accomplished through the identification and implementation of Special Project Committees. A Specific Project Committee may involve a specific Party or any group of Parties, provided that no Party shall be involved without its approval (Judgment, p. 20, lines 1-9). Special Project Assessments shall be invoiced upon approval of a budget and a scope of work for a Special Project by Project Committee.
- (d) Supplemental Assessments. Supplemental Assessments may be levied based on incurring unbudgeted or unforeseen expenses as approved by Watermaster. Examples include Special Project expenses for litigation in which Watermaster has taken action to participate. All Supplemental Assessments shall reference the Watermaster action authorizing same and be invoiced within one week of the Watermaster action.
- (e) Assessment Procedure. Assessments shall be levied and collected as follows:
- i. Notice of Assessment. The Watermaster shall give written notice of all applicable assessments to each producer in the form of an invoice.
 - ii. Payment. Each assessment shall be payable on or before thirty (30) days after the date of invoice, and shall be the primary obligation of the party or successor owning the water production facility at the time written notice of assessment is given, even though prior arrangement for payment by others has been made in writing and filed with the Watermaster.
 - iii. Delinquency. Any delinquent assessment shall incur a late charge of 10% per annum (or such greater rate as shall equal the average current cost of borrowed funds to the Watermaster) from the due date thereof.
 - iv. Assessment Adjustments. The Watermaster shall make assessment adjustments as necessary for the reporting period as either a credit or a debit in the next occurring assessment period unless otherwise reasonably decided by the Watermaster.
 - v. Collection of Delinquent Assessments. The Watermaster may bring suit in a Court having jurisdiction against any Producer for the collection of any delinquent assessments and interest thereon. The Court, in addition to any delinquent assessments, may award interest and reasonable costs including attorneys' fees.

- (f) Salt Credits. Watermaster may establish a method of calculating salt credits in the future as part of a conjunctive use program or as part of the maximum benefit objectives demonstration program for discrete projects.

2.12 Annual Report

A draft annual report shall be prepared by May and -final report shall be prepared by July of each year. At a minimum, the annual report will describe Watermaster's operations, assessments and expenditures, and a review of Watermaster activities. The annual report shall also include a summary report describing and updating any basin condition information collected or analyzed and a current active party list.

2.13 Basin Condition Report

The Watermaster shall prepare, at least once every two years, a "state of the groundwater basin" report including an update on the status of monitoring, storage and water quality.

2.14 Interventions

Any Person who is neither a Party to the Judgment nor a successor or assignee of a Party to the Judgment may seek to become a party to the Judgment by filing a petition in intervention. Watermaster will provide a standard form for interventions should the need arise, and will report on any such interventions in its annual report. Interveners shall have no water rights under the Judgment (unless acquired from an Appropriator Party).

2.15 Notice and Waiver of Notice

Pursuant to the Judgment, each Party shall designate, in writing, the name and address to be used for purposes of all subsequent notices and services under the Judgment. Such designation may be changed by filing a written notice with the Watermaster. Any Party desiring to be relieved of receiving notices of Watermaster activity may file a waiver of notice on a form to be provided by the Watermaster. Watermaster staff shall maintain, at all times, a current list of Parties to whom notices are to be sent and their addresses for the purposes of service as well as a current list of the names and addresses of all parties or their successors and assigns. Copies of such lists shall be available to any Person.

2.16 Watermaster Alternates

To ensure consistency in the administration of the affairs of the Watermaster, the members of the Watermaster Committee will endeavor to attend all meetings of the Watermaster. However, from time-to-time the press of business may prevent such regular attendance. Therefore, the members of the Watermaster agencies may appoint an alternate member to the Watermaster Committee who, in the absence of the regular member, shall, if present, participate in a meeting of the Watermaster the same as if the alternate member were a regular member of the Watermaster Committee. Each alternate member must hold a senior management position within the organization of the appointing Watermaster member agency.

3 MONITORING

3.0 Scope

The Watermaster will carry out the monitoring activities described in the Beaumont Basin Management Plan and such policies and procedures as may be deemed necessary by the Watermaster. Any such policies and procedures shall be adopted at regular or special meetings of the Watermaster and reported in the Watermaster's annual report.

3.1 Measuring Devices

Groundwater production shall be monitored by measuring devices and/or meters (hereinafter collectively, "meter" or "meters"), as follows:

- (a) Meter Installation. Except as otherwise provided by agreement, such necessary meters as Watermaster may deem appropriate shall be installed as follows:
 - i. New Wells:
 - 1. Appropriator Wells. A meter shall be installed on each new Appropriator well by the Appropriator and at the Appropriator's expense concurrently with the installation of the pump.
 - 2. Overlyer Wells. A meter shall be installed on each new Overlyer well by the Watermaster and at the Watermaster's expense concurrently with the installation of the pump.
 - ii. Existing Wells. Meters shall be installed on existing wells as soon as practicable by the Watermaster at the Watermaster's expense.
- (b) Meter Maintenance. The Watermaster shall, at its expense, perform routine maintenance on all well meters in the Beaumont Basin.
- (c) Inspection, Testing, Repair and Retesting. Meters shall be inspected and tested as deemed necessary by the Watermaster and the cost thereof borne by the Watermaster. The Watermaster may contract for a meter testing service or with an Appropriator for meter inspection and/or testing. Any Producer may request an evaluation of any or all of its water meters at any time; provided, however, the Watermaster shall only pay for tests initiated by the Watermaster. Meter repair and retesting will be a Producer expense (Judgment, pp. 18-19, lines 28 – 7).

3.2 Reporting By Producers

Each Producer producing in excess of 10 acre-feet per year shall file with the Watermaster on forms provided therefore, a monthly report of its total water production during the preceding calendar month, together with such additional information as the Watermaster may reasonably require (including power use

records, if unmetered). The report shall be due on the fifteenth (15th) day of the month next succeeding the end of each respective month. Appropriators shall report groundwater levels and Overlying Owner production along with such additional information as may be necessary to complete the Watermaster monitoring program through Agreements with the Watermaster. Producers producing 10 acre-feet or less per year shall file an annual report of their total water production during the preceding fiscal year by the 15th of July of each year on forms provided therefore.

3.3 Groundwater Level Measuring and Reporting Procedures

The watermaster will carry out all groundwater measuring activities in accordance with the procedures identified hereafter and in accordance with the Groundwater Elevation Monitoring Guidelines issued by the California Department of Water Resources (DWR, 2010) for the California Statewide Groundwater Elevation Monitoring (CASGEM) program and the Monitoring Protocols, Standards, and Sites Best Management Practices issued by DWR to assist in the development of monitoring protocols for Groundwater Sustainability Plans (DWR, 2016).

To the extent possible, groundwater level monitoring events shall be coordinated so that measurements are taken in the late spring and late fall to record the annual highs and lows, respectively, in groundwater levels in the Beaumont Basin.

3.3.1 Communication and Planning

The Beaumont Basin Watermaster and representatives of the Watermaster will conduct the following procedures to coordinate the collection of water level data with all stakeholders owning a well that is part of the Beaumont Basin groundwater monitoring network:

- 1) Notification of the intent of the Watermaster to access the respective party's well to collect a water level measurement will be provided via email, text message, or phone call two weeks, at a minimum, before the data collection event.
- 2) Verification of receipt of the notification and authorization by the well owner granting access to the well shall be obtained by the Watermaster and Watermaster representative via email, text message or phone call at least three days prior to accessing the well.
 - a) The Watermaster and/or Watermaster representative will follow up with an email, text message or phone call should the well owner not respond within three days of the groundwater monitoring event.
 - b) All forms of correspondence shall be documented (e.g., record date and time of text message delivery).
- 3) All efforts shall be made by the Watermaster representative to accommodate the schedule of the well owner to access the well within the two-week period set for the groundwater monitoring event, and to provide the well owner the opportunity to observe the collection of data at their respective well.

- 4) Digital and hard copies of the groundwater level measuring and reporting procedures shall be made available at the well owner's request at the time of data collection.
- 5) Arrangements, to the extent possible, shall be made with the well owner to collect a static water level measurement per Section 3.3 (d)(c). This may include requesting that the well be idle for 24 hours, at a minimum, prior to measuring the water level.

3.3.2 Monitoring Well Network

3.3.2.1 Existing Wells

The monitoring well network used by the Watermaster for purposes of characterizing groundwater conditions in the Beaumont Basin shall include all accessible production and monitoring wells owned by the Appropriators, Overlying Parties, and other stakeholders. The following highlight the minimum requirements for existing wells to be included in the Beaumont Basin monitoring well network:

- 1) Wells in the monitoring network shall be screened in the unconsolidated Quaternary alluvium and upper portion of the San Timoteo Formation, together comprising the water-bearing aquifer of the Beaumont Basin.
- 2) Groundwater level measurements shall be taken from a clearly marked and permanent reference point on the top of a sounding tube, well casing, or other permanent feature.
- 3) Reference points shall be surveyed by a California licensed surveyor. The survey shall include the following details:
 - a) Well locations (center point of well casing) shall be referenced to the North American Datum of 1983 (NAD83) and reported in decimal degrees for latitude and longitude.
 - b) Elevations shall be referenced to the North American Vertical Datum of 1988 (NAVD88) with an accuracy, at a minimum, of 0.5 foot. The following features, if applicable, shall be surveyed at each well point:

(1) Top of Well Casing or Sounding Tube (i.e., TOC)

(2) Top of protective steel riser or monument cover

(3) Land surface

3.3.2.2 New Wells

New wells installed in the Beaumont Basin shall be equipped with dedicated sounding tubes (if a production well) or have open casing to facilitate the use of a water level metering device to measure groundwater elevations. The new well shall be constructed to accommodate the installation of a 7/8-inch diameter dedicated pressure transducer. The following highlight the minimum requirements for new wells to be included in the Beaumont Basin monitoring well network:

- 1) Well construction details and survey results by a licensed surveyor shall be shared with the Beaumont Basin Watermaster and included in the well network database for the Beaumont Basin.
- 2) New wells that are screened fully or partially in the unconsolidated Quaternary alluvium and upper portion of the San Timoteo Formation, together comprising the water-bearing aquifer of the Beaumont Basin, will be included in the monitoring well network for the Beaumont Basin.
- 3) Groundwater level measurements shall be taken from a clearly marked and permanent reference point on the top of a sounding tube, well casing, or other permanent feature.
- 4) Reference points shall be surveyed by a California licensed surveyor. The survey shall include the following details:
 - a) Well locations (center point of well casing) shall be referenced to the North American Datum of 1983 (NAD83) and reported in decimal degrees for latitude and longitude.
 - b) Elevations shall be referenced to the North American Vertical Datum of 1988 (NAVD88) with an accuracy, at a minimum, of 0.5 foot. The following features, if applicable, shall be surveyed at each well point:
 - i) Top of Well Casing or Sounding Tube (i.e., TOC)
 - ii) Top of protective steel riser or monument cover
 - iii) Land surface

3.3.3 Groundwater Water Level Measuring Devices

3.3.3.1 Electric Water Level Sounder

Where possible, groundwater levels shall be manually measured with an electric water level sounder calibrated to the nearest 0.01 ft. All equipment must be in good working condition. No damaged or refurbished electric sounding tape should be used, unless specifically approved by the Watermaster.

3.3.3.2 Dedicated Pressure Transducers

Dedicated pressure transducers shall be installed in monitoring and production wells identified as key wells for administration of the Judgement. The pressure transducers shall be installed below the groundwater level and pressure-rated for the range of anticipated groundwater level fluctuations due to seasonal fluctuations and/or groundwater production.

Dedicated pressure transducers shall be equipped with a datalogger that is programmable to measure and record water levels at a desired frequency. Each dedicated pressure transducer shall measure absolute pressure in units of pounds per square inch (psia) and/or feet of water. The Watermaster shall use separate

pressure transducers dedicated to measure barometric pressure in units of psia and/or feet of water to provide a general characterization of barometric pressure in the Beaumont Basin.

3.3.4 Manual Groundwater Level Measurements

The following procedures shall be used to measure and record manual groundwater level measurements in the field.

3.3.4.1 Water Level Form

- 1) Upon arrival at each well site, the field technician shall note the following information on a standardized Water Level Field Form (see Appendix A):
 - a) Name of well owner
 - b) Well Identifier (e.g. well owner name, State Well ID)
 - c) Date (mm/dd/yyyy) and time (24 hr) of measurement
 - d) Climate conditions (e.g., sunny, light breeze, air temp is 80 °F, etc.)
 - e) Type of well (e.g., municipal, monitoring, agricultural, etc.)
 - f) Status of water level and/or well: Static, Recovering (i.e., rising), Pumping, Artesian (i.e., flowing), Falling.
 - g) Time since pumping stopped (i.e., idle time) if well was previously active.
 - h) Method of water level measurement (e.g., electric water level sounder, airline, sonic, dedicated pressure transducer)
 - i) Field technician and/or representative measuring the water level
 - j) Any additional comment
- 2) Use one Water Level Field Form for each well. If possible, the same field form should be used at each well during each monitoring event.

3.3.4.2 Water Level Status

Where possible, groundwater level measurements must be representative of static (i.e. non-pumping) groundwater level conditions. To ensure measurements of static groundwater levels in active pumping wells, the field technician collecting the data shall coordinate, verify, and/or confirm that the pump has been off for at least 24 hours prior to collecting the data (wherever possible).

3.3.4.3 Decontamination

All water level measuring equipment shall be cleaned prior to lowering it into the well(s) using the following decontamination procedure:

- a) Wash equipment with an Alconox solution which is followed by a deionized water rinse.
- b) Triple rinse equipment with deionized water.

3.3.4.4 Electric water level sounder

3.3.4.4.1 Before making a measurement

- 1) Inspect the sounding tape for wear, kinks, frayed electrical connections, and possible stretch. Make a notation in the Water Level Field Form documenting any wear or other issues that possibly affect measurements with the electric water level sounder.
- 2) Test that the battery and replacement batteries are fully charged.
- 3) Test the circuit by dipping the probe into tap water and observe whether the sounder indicator turns on and/or makes a sound to indicate the circuit is closed when in contact with water.

3.3.4.4.2 Making the Measurement

- 1) Lower the electrode probe slowly into the designated sounding port for production wells and into the main well for monitoring wells. Lower the probe until the circuit is closed and contact with the water surface in the well is made.
- 2) Measure the depth-to-water (DTW) by placing the sounder tape next to the dedicated and clearly marked reference point on the top of the sounding tube or well casing. Measure the DTW to the nearest 0.01-foot. The DTW shall be recorded as feet below reference point (or ft brp).
- 3) Lift the probe slowly a few feet and make second measurement by repeating the step above. If the 2nd measurement is more than 0.02 feet different from the first measurement, collect and record a third measurement. If more than two measurements are taken, record the average of all reasonable readings.
- 4) If the groundwater level is not static, stay at the well long enough (if reasonable time allows) for a static groundwater level. If that wait is more than 1 hour or not possible, make ten (10) or more measurements at 1-minute minimum intervals to document the rate of groundwater level rise or fall per 5 minutes for the non-static measurements. If necessary, use additional sheets of the Water Level Field Form to document all measurements. Document possible reason for the rise or fall of the water level in the comment section.
- 5) All DTW measurements shall be immediately recorded on the Water Level Field Form (see Appendix A). The DTW shall be compared to previous measurements in the field and re-measured if significantly different.

- a) If the DTW measurement appears incorrect or anomalous, provide the possible reason or recommend follow-up actions so that future measurements are representative of actual conditions at the well.

3.3.4.4.3 After Making the Measurement

- 1) The sounder tape and electrode probe shall be wiped down during retrieval from the sounding tube or well using a clean paper towel or disinfectant wipe.
- 2) If oil is noticeable on the sounder tape and/or electric probe, its presence and apparent thickness, if possible, shall be noted in the Water Level Field Form. The CASGEM Guidelines note that, "oil on the surface of the water may interfere with obtaining consistent readings and could damage the electrode probe." An alternative method may be necessary to obtain an accurate water level measurement.
- 3) Refer to Section 3.3.4.3 for disinfection procedures.
- 4) The cap to the sounding tube or well shall be replaced.
- 5) Where applicable, the riser shall be secured with the dedicated lock.
- 6) Prior to leaving the monitoring well site, the field representative shall note any physical changes in the concrete well pad and riser pipe, such as erosion, cracks, or damage. All changes shall be recorded on the Water Level Field Form.
- 7) Whenever possible, an electric water level sounder should be used to measure the DTW in a well. The use of an airline or sonic water level meter should only be used when well conditions do not allow for electric water level sounder measurements.

3.3.4.5 Airline Measurements

Airline measurements are an acceptable alternative to measuring DTW in a well in the following cases:

- 1) There is no access port or sounding tube available to allow access of an electric water level sounder to measure the DTW.
- 2) No dedicated pressure transducer has been installed and calibrated to measure and record water levels
- 3) At the time of installation, the DTW measured by the airline was calibrated to a water level measured using an electric water level sounder or steel tape.
- 4) The airline extends a minimum 10 feet below the lowest anticipated water level in the well.
- 5) The airline is the only method for measuring a water level that the well can accommodate.

3.3.4.5.1 Making the Measurement

DTW measurements using an airline will be collected per the following (Cunningham et al., 2011):

- 1) The depth to the open end of the airline and length of the airline is known. The airline is secure and not subject to freely move in the well.
- 2) The pressure gauge is calibrated and covers the anticipated range in pressure fluctuations associated with water level fluctuations anticipated in the well due to seasonal and/or pumping effects.
- 3) The accuracy of the airline measurement must be documented in the Water Level Field Form. The typical accuracy using a pressure gauge is approximately 1 foot.

3.3.4.6 Sonic Water Level Meter

- 1) Sonic water level meter procedures vary by meter manufacturer. Refer to the meter operating instructions for procedures.

3.3.4.6.1 Making the Measurement

- 1) In general, use of a sonic meter requires an access port that is 5/8-inch or greater in diameter and a measurement of the average air temperature in the well casing.
 - a) The typical accuracy of a sonic meter is 0.2 feet for water levels less than 100 feet or 0.2% for water levels deeper than 100 feet.
 - b) Sonic water levels should not be used if the casing diameter is greater than 8-inches in diameter, air temperature inside the well is not known, there is an obstruction in the well casing that is close to half the well diameter or more, and there is no cover surrounding the meter in open wells.

3.3.5 Automatic Groundwater Level Measurements

3.3.5.1 Installation of Dedicated Pressure Transducers

- 1) Before installing a pressure transducer in a well, the water level in the well shall be confirmed at a static condition using an electric water level sounder (see Section 3.3.4.2 and 3.3.4.4) and no pumping from the well has occurred in the previous 24 hours.
- 2) The dedicated pressure transducer shall be lowered below the water level in the well to a depth within the transducer's pressure rating. The device shall be set at a depth to accommodate the anticipated fluctuations in the water level due to seasonal effects and pumping (if applicable).

- 3) Once the desired depth setting of the pressure transducer is set, the transducer shall be secured to the wellhead, casing, or other permanent structure.
- 4) A real-time reading of the pressure head (in feet of water) from the pressure transducer shall be collected and documented once it has been set and given time to equilibrate to the temperature of the water.
- 5) The measured DTW by the electric sounder shall be added to the height of water measured above the transducer's sensor to calculate the depth of the pressure transducer from the well's reference point.
- 6) The depth the transducer is set below the reference point, the make, model, and serial number of the pressure transducer, and battery life remaining (or usage) at time of deployment shall be recorded in a Water Level Field Form.

3.3.5.2 Installation of barometric pressure transducers

- 1) Barometric pressure transducers shall be installed in the protective steel casings of wells, well houses, or other protected structure that is open and/or in contact with the atmosphere.
- 2) The location of the barometric pressure transducer, the make, model, and serial number of the pressure transducer, and battery life remaining (or usage) at time of deployment shall be recorded in a Water Level Field Form.

3.3.5.3 Frequency of Water Level Measurements

- 1) Dedicated pressure transducers equipped with internal dataloggers shall be programmed to measure and record water levels in units of psi or feet of water at a frequency of once per hour at the top of the hour.
- 2) Water level data will be downloaded from each pressure transducer at least once every three months.
- 3) During each download session, the field technician will also obtain a manual groundwater level measurement to verify transducer readings and ensure that the instruments are working properly.

3.3.5.4 Frequency of Barometric Pressure Measurements

- 1) Barometric pressure transducers shall be programmed to measure and record barometric pressure in units of psi or feet of water at a frequency of once per hour at the top of the hour.
- 2) In the event any pressure transducer assembly must be removed from any particular well for download, the removed assembly shall be disinfected in accordance with decontamination procedures outlined under Section (c)d.

3.3.6 References

California Department of Water Resources (DWR), 2010. Groundwater Elevation Monitoring Guidelines. December 2010.

California Department of Water Resources (DWR), 2016. Monitoring Protocols, Standards, and Sites BMP, Best Management Practices for the Sustainable Management of Groundwater. December 2016.

Cunningham, W.L., and Schalk, C.W., comps., 2011, Groundwater Technical Procedures of the U. S. Geological Survey: U. S. Geological Survey Techniques and Methods 1-A1, 151 p.

4 OPERATING YIELD, SAFE YIELD AND NEW YIELD

4.0 Redetermination of Operating Yield

The Operating Yield of the Beaumont Basin shall be redetermined annually by the Watermaster.

4.1 Redetermination of Safe Yield

The Safe Yield of the Beaumont Basin shall be redetermined at least every ten (10) years beginning 10 years after the date of entry of the Judgment (Judgment p. 22, lines 6-9).

4.2 New Yield

In order to encourage maximization of Basin water under the Physical Solution, New Yield shall be accounted for by the Watermaster in interim periods between re- determinations of Safe Yield.

- (a) New Yield includes proven increases in yield in quantities greater than the historical level of contribution from certain recharge sources may result from changed conditions including, but not limited to, the increased capture of rising water, increased capture of available stormflow, and other management activities that occur after February 20, 2003, as determined by Watermaster (Judgment, p. 4, lines 1-5). These increases are considered New Yield.
- (b) Recharge with new locally generated water shall be credited as New Yield to the Party that creates the new recharge. The Watermaster shall make an independent scientific assessment of the estimated New Yield to be created by each proposed project based upon monitoring data. The cost of the Watermaster scientific assessment of the New Yield shall be borne by the Party applying to create it.
- (c) New Yield shall be allocated on an annual basis, based upon monitoring data and review by the Watermaster. (Judgment, p. 21, lines 14-20).

4.3 Losses or Spills from the Basin

Water in Storage may be subject to losses. The Watermaster shall determine if losses are occurring and report its findings in the first Basin Condition Report. If losses are occurring, Watermaster shall determine how much water is being lost. Supplemental Water stored pursuant to Groundwater Storage Agreements shall be lost prior to Basin water (i.e., unused operating safe yield) held in Storage by a Party to the Judgment.

5 RECHARGE

5.0 In General

All Groundwater Recharge activities in the Beaumont Basin shall be subject to the Watermaster Rules and Regulations

- (a) The Watermaster shall calculate additions, extractions and losses, and maintain an annual account of all recharged water in the Beaumont Basin, and any losses of water supplies or Safe Yield resulting from such recharged water (p. 21, lines 9-13).
- (b) The owners of existing publicly-owned recharge facilities shall cooperate with the Watermaster to expand, improve and/or preserve recharge facilities. The Watermaster shall cooperate with appropriate entities to construct and operate new recharge facilities.
- (c) The Watermaster shall account for all sources of recharge and shall provide an annual accounting of the amount of recharge and the location of the specific types of recharge.
- (d) The Watermaster may determine to prepare a Recharge Master Plan, which Plan shall be periodically updated to account for changed conditions.
- (e) The Watermaster may arrange, facilitate and provide for recharge by entering into contracts with appropriate persons, who may provide facilities and operations for the physical recharge of water.

5.1 Application to Recharge Supplemental or New Yield Water

All recharge of Supplemental or New Yield Water shall be subject to Watermaster approval obtained by an application made to the Watermaster to protect the integrity of the Beaumont Basin.

5.2 Notice of Pending Applications

Upon receipt of an application, the Watermaster staff shall prepare a written summary and analysis of each such application. The application, along with the written summary and analysis shall be distributed to the Producers and any other interested parties not less than 21 days prior to the date the Watermaster is scheduled to consider and take action on the pending application. The cost of the summary and analysis of each application shall be borne by the applicant.

5.3 Watermaster Investigations of Applications

The Watermaster may, in its discretion, cause an investigation of the subject of a pending application. Any party to the proceeding may be requested to confer and cooperate with the Watermaster's staff and

consultants, and to provide such additional information and data as may be reasonably required to complete the investigation.

5.4 Sources of Supplemental Water

Supplemental Water may be obtained by the Watermaster from any available source. The Watermaster shall, however, seek to obtain the best quality of Supplemental Water at the most reasonable cost for recharge.

Available sources may include, but are not limited to:

- (a) Maximum beneficial use of Recycled Water, which shall be given a high priority by the Watermaster;
- (b) State Project Water;
- (c) Local Imported Water through facilities and methods for importation of surface and groundwater supplies from adjacent basins and watersheds;
- (d) Available supplies of Metropolitan Water District;
- (e) Stormwater recharge projects.
- (f) Other Imported Water.

5.5 Method of Replenishment

The Watermaster may accomplish replenishment by any reasonable method, including spreading and percolation, injection of water in existing or new facilities, in-lieu delivery arrangements and acquisition of unproduced water.

6 STORAGE

6.0 In General

A substantial amount of available groundwater storage capacity exists that is not used for storage or regulation of basin waters. It is essential that the use of storage capacity be undertaken only under Watermaster control and regulation so as to protect the integrity of the Beaumont Basin. The Watermaster shall exercise regulation and control of storage primarily through the execution of Groundwater Storage Agreements.

6.1 Relationship Between Recapture and Storage

Recapture of water held in a storage account will generally be approved by the Watermaster as a component of and coincident with a Groundwater Storage Agreement. However, the Watermaster may approve a Groundwater Storage Agreement where the plan for recovery is not yet known. In such cases, the applicant for a Groundwater Storage Agreement may request Watermaster approval of the Agreement and subsequently submit and process an independent Application for Recapture to the Watermaster.

6.2 Storage of Water

Storing Supplemental Water for withdrawal, or causing withdrawal of water unused and stored in prior years, shall be subject to the terms of a Groundwater Storage Agreement with the Watermaster. Any Water recharged by any person is deemed abandoned and shall not be considered water stored except pursuant to these Rules and Regulations and a Groundwater Storage Agreement.

6.3 Application for Storage of Water

The Watermaster will ensure that any Person, including, but not limited to, the State of California and the Department of Water Resources, shall make an application to the Watermaster to store and recover water as provided herein. The Watermaster shall also ensure that sufficient storage capacity shall be reserved for local projects implemented by the Appropriators.

6.4 Contents of Groundwater Storage Agreements

Each Groundwater Storage Agreement shall include, but not be limited to, the following components:

- (a) The quantities and term of the storage right, which shall specifically exclude credit for any return flows;
- (b) A statement of the priorities of the storage right as against overlying, Safe Yield uses, and other storage rights;

- (c) The projected delivery rates, together with projected schedules and procedures for spreading, injection or in-lieu deliveries of Supplemental Water for direct use;
- (d) The calculation of storage water losses and annual accounting for water in storage; and
- (e) The establishment and administration of withdrawal schedules, locations and methods.

6.5 Notice of Pending Applications

Upon receipt of an application, the Watermaster staff shall prepare a written summary and analysis of each such application. The application along with the written summary and analysis shall be distributed to the Producers and any other interested parties not less than 21 days prior to the date the Watermaster is scheduled to consider and take action on the pending application. The cost of the written summary and analysis of each such application shall be borne by the applicant.

6.6 Watermaster Investigations of Applications

The Watermaster may, in its discretion, cause an investigation of the subject of a pending application. Any party to the proceeding may be requested to confer and cooperate with the Watermaster's staff and consultants, and to provide such additional information and data as may be reasonably required to complete the investigation.

6.7 Accounting for Water Stored

The Watermaster shall calculate additions, extractions and losses of all water stored and any losses of water supplies or Safe Yield resulting from such water stored, and keep and maintain for public record an annual accounting thereof.

7 ADJUSTMENTS OF RIGHTS

7.0 In General

In General, Overlying Parties shall have the right to exercise their respective Overlying Water Rights except to the extent provided in Section III, Paragraph 3, entitled Adjustment of Rights, of the Judgment. (Judgment, p. 8, lines 12-14).

- (a) To the extent any Overlying Party requests, and uses its adjudicated water rights to obtain water service from an Appropriator Party, an equivalent volume of potable groundwater shall be earmarked by the Appropriator Party which will serve the Overlying Party, up to the volume of the Overlying Water Rights as reflected in Column 4 of Exhibit "B" of the Judgment, for the purpose of serving the Overlying Party. (Judgment, p. 8, lines 15-27).
- (b) When an Overlying Party receives water service as provided for in paragraph 7(a), the Overlying Party shall forebear the use of that volume of the Overlying Water Right earmarked by the Appropriator Party. The Appropriator Party providing such service shall have the right to produce the volume of water foregone by the Overlying Party, in addition to other rights otherwise allocated to the Appropriator Party. (Judgment, p. 8, line 28– p. 9, line 7).
- (c) Should the volume of the Overlying Water Right equal or exceed the volume of portable groundwater earmarked as provided in paragraph 7(a), the Appropriator Party which will serve the Overlying Party shall:
 - i. Impose potable water charges and assessments upon the Overlying Party and its successors in interest at the rates charged to the then-existing regular customers of the Appropriator Party, and
 - ii. Not collect from such Overlying Party any development charge that may be related to the importation of water into the Beaumont Basin.
- (d) If an Appropriator Party provides recycled water to serve an overlying use served with groundwater, then the Overlying Water Right shall not be diminished by the receipt of recycled water.

7.1 Notice of Adjustment of Rights from an Overlying Pumper to an Appropriator

The Overlying Pumper and Appropriator shall complete a Notice of Adjustment of Rights (Form 5 – Notice to Adjust Rights of an Overlying Party due to Proposed Provision of Water Service by an Appropriator) and file it with the Watermaster.

- (a) Accounting for Transfers. Watermaster shall maintain an accounting of acquisitions by Appropriators of water otherwise subject to Overlying Water Rights as the result of the provision of water service by an Appropriator. The Watermaster shall maintain an accounting of all transfer,

and such accounting shall be included in the Annual Report and other relevant Watermaster reports as appropriate.

7.2 Transfer of Water Between Appropriators

Any Appropriator may transfer all or any portion of its Appropriator's Production Right or Operating Yield that is surplus to its needs to another Appropriator in accordance with these Rules and Regulations. The Watermaster shall maintain an accounting of all transfers, and such accounting shall be included in the Annual Report and other relevant Watermaster reports as appropriate.

7.3 Availability of Unused Overlying Production and Allocation to the Appropriator Parties

Except as provided for in Section 7.0 herein, to the extent that groundwater pumping by an overlying party to the Judgment does not exceed five times the share of safe yield assigned to the overlying party during any five-year period (see column 4 of Exhibit B to the Judgment), the amount of groundwater not produced by such overlying party pursuant to its rights under the Judgment shall be available for allocation to the appropriator parties in accordance with their respective percentage shares of unused safe yield (see column 3 of Exhibit C to the Judgment). The availability and allocation of any such groundwater not produced by the overlying parties in accordance with their rights under the Judgment shall be first determined in fiscal year 2008/09 and every year thereafter. The table below illustrates the allocation process anticipated in the Judgment.

Available Unused Overlying Production in Fiscal	Will be Allocated to the Appropriator Parties in Fiscal
2003/04	2008/09
2004/05	2009/10
2005/06	2010/11
2006/07	2011/12
2007/08	2012/13
2008/09	2013/14
2009/10	2014/15
2010/11	2015/16
2011/12	2016/17
2012/13	2017/18

Groundwater not produced by the overlying parties in accordance with their rights under the Judgment and determined to be available for allocation to the appropriator parties pursuant hereto may be utilized by the appropriator parties in accordance with the terms of the Judgment and these Rules and Regulations. Neither this rule nor its operation shall be deemed or construed in any way to change, limit or otherwise affect any rights awarded to and held by the overlying parties pursuant to the Judgment. Nor shall this rule or its operation result in any liability to the overlying parties or be deemed or construed as a transfer, assignment, forfeiture or abandonment of any overlying rights under the Judgment.

8 COORDINATION WITH THE SAN GORGONIO PASS WATER AGENCY AND OTHER AGENCIES

8.0 In General

The San Gorgonio Pass Water Agency ("Agency") was established by the California Water Uncodified Act No. 9099. The Agency has contracted with the California Department of Water Resources to import as much as 17,300 acre feet of water from the California State Water Project. As of 2004, the Agency is importing, at its sole cost and expense, up to 2,000 acre feet of State Water Project water per year for recharge in the Beaumont Basin.

8.1 Potential Conflict

The Agency has expressed concern that the exercise of its powers may conflict with the powers of the Watermaster, a concern that the Watermaster has acknowledged.

8.2 Coordination of Water Resources Management Activities

The Judgment provides that any Person may make reasonable beneficial use of the Groundwater Storage Capacity for the storage of Supplemental Water; provided however that no such use shall be made except pursuant to a written Groundwater Storage Agreement with the Watermaster. (Judgment, p. 15, lines 17-21). Therefore, in order to minimize the potential for conflict, the Watermaster is authorized to coordinate with the Agency, or other agencies such reasonable Groundwater Storage Agreements. Each such Agreement shall address (for example) whether the management activity that is the subject matter of the Agreement will increase or deplete water supplies, enhance or impair water quality, is engineeringly feasible, and whether it will provide the greatest public good with the least private injury.

9 REVIEW PROCEDURES

9.0 In General

Nothing in the Judgment or these rules and regulations shall be deemed to prevent any party from seeking judicial relief against any other party whose pumping activities constitute an unreasonable interference with the complaining party's ability to extract groundwater. Any and all disputes between and among the Producers and/or the Watermaster shall be addressed expeditiously and resolved, if possible, amicably, in accordance with the following procedures.

9.1 Complaints or Contesting an Application

Any Producer or interested person may file a written complaint with the Watermaster concerning matters other than applications to recharge (Section 5), or store (Section 6), or contest an application to recharge or store water. The written complaint or objection shall describe the basis for the complaint or objection and the underlying facts and circumstances. Such complaint or objection shall be filed with the Watermaster at least fourteen (14) days before the item is to be agendaized for the Watermaster Committee. The Watermaster staff shall provide notice of the complaint or objection to all interested parties.

- (a) Answering the Complaint or Objection. At the discretion of the affected Party, a written answer to a complaint or objection may be filed at the time it is presented to the Watermaster Committee for consideration. In lieu of immediately answering the complaint or objection, the Party may request a reference to a two-member subcommittee of the Watermaster for review, discussion, and potential resolution prior to the item being agendaized for Watermaster consideration.
- (b) Continuance for Good Cause. An affected Party may also request a continuance to a subsequent Watermaster meeting (without reference to a subcommittee) and the request may be granted by the Watermaster's staff where good cause exists.
- (c) Investigation by Watermaster. The Watermaster may, in its discretion, cause an investigation of the subject matter of the complaint. Any party to the proceeding may be requested to confer and cooperate with the Watermaster, its staff or consultants to carry out such investigations, and to provide such information and data as may be reasonably required.
- (d) Uncontested Applications. The Watermaster shall consider and may approve or deny any uncontested application to recharge or store water at a regularly-scheduled meeting of the Watermaster. Where good cause appears, the Watermaster may also, conditionally approve, or continue an uncontested application to a future meeting. If the Watermaster staff recommendation to the Watermaster is to deny an application it shall first be referred to a two-member subcommittee of the Watermaster for review, discussion and potential resolution with the applicant.
- (e) Judicial Review. Any action, decision, rule or procedure of the Watermaster shall be subject to review by the Court on its own motion or on timely motion by any Party as follows:

- i. Effective Date of Watermaster Action: Any order, decision or action of the Watermaster pursuant to the Judgment or these Rules and Regulations on noticed specific agenda items shall be deemed to have occurred on the date of the order, decision or action.
- ii. Notice of Motion for Judicial Review: Any Party May, by a regularly noticed motion, petition the Court for review within 90 days of the action or decision by Watermaster, except motions for review of assessments under the Judgment shall be filed within 30 days of mailing of the notice of the assessment. The motion shall be deemed to be filed and served when a copy, conformed as filed with the Court, has been delivered to the Watermaster staff, together with a service fee sufficient to cover the cost of photocopying and mailing the motion to each Party. The Watermaster staff shall prepare the copies and mail a copy of the motion to each Party or its designee according to the official service list that shall be maintained by the Watermaster staff pursuant to the Judgment. Unless ordered by the Court, any petition shall not operate to stay the effect of any Watermaster action or decision which is challenged.
- iii. De Novo Nature of Proceeding: Upon filing of a petition to review a Watermaster action, the Watermaster shall notify the Parties of a date when the Court will take evidence and hear argument. The Court's review shall be de novo and the Watermaster decision or action shall have no evidentiary weight in such proceeding.
- iv. Decision: The decision of the Court in such proceedings shall be an appealable Supplemental Order in this case. When it is final, it shall be binding upon the Watermaster and the Parties.

10 WATERMASTER FORMS

10.0 In General

In order to facilitate and expedite the performance of its duties, the Watermaster may, from time-to-time, develop standardized forms for the transaction of business. Such forms shall be adopted by minute action of the Watermaster Board.

10.1 Approved Forms

The following standardized forms shall be used, except when good cause exists for the use of a customized format:

- 1) Application for Groundwater Storage Agreement.
- 2) Groundwater Storage Agreement.
- 3) Application for Recharge.
- 4) Application (or Amendment to Application) to Recapture Water in Storage.
- 5) Notice to Adjust Rights of an Overlying Party due to Proposed Provision of Water Service by an Appropriator.
- 6) Request for Notice or Waiver of Notice and Designation of Address for Notice and Service.
- 7) Notice of Transfer of Appropriator Production Right or Operating Yield Between Appropriators.
- 8) Transfer of Right to Recapture Water in Storage Between Appropriators.
- 9) Water Level Field Form

- END OF RULES AND REGULATIONS -

BEAUMONT BASIN WATERMASTER

**APPLICATION
FOR
GROUNDWATER STORAGE AGREEMENT**

APPLICANT

Name

Address for Notice

City State Zip Code

Telephone: _____

Facsimile: _____

For Staff Use Only

Date Requested: _____

Date Approved: _____

Amount Requested: _____ acre feet

Amount Approved: _____ acre feet

Agreement No.: _____

TYPE OF WATER TO BE PLACED IN STORAGE

☐ Supplemental Water ☐ Other: _____ ☐ Both

PURPOSE OF STORAGE – Check all that may apply

☐ Stabilize or reduce future water costs/assessments.

☐ Facilitate utilization of other available sources of supply.

☐ Facilitate replenishment under certain well sites.

☐ Preserve pumping right for a changed future potential use.

☐ Other, explain _____
_____.

METHOD AND LOCATION OF PLACEMENT IN STORAGE – Check and attached all that may apply

☐ Recharge.

☐ Assignment in-lieu of Production.

☐ Other, explain _____
_____.

METHOD AND LOCATION OF RECAPTURE FROM STORAGE – Check and attach all that may apply

☐ Pump from my well(s).

☐ Other, explain _____
_____.

WATER QUALITY AND WATER LEVELS:

Description of groundwater quality in vicinity of facility and quality of water to be stored:

Description of existing water levels in the areas that are likely to be affected:

NEGATIVE IMPACTS OF PROPOSED RECAPTURE:

Is the Applicant aware of any potential negative impacts to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes [☐] No [☐]

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in negative impact to a party to the Judgment or the Basin?

ADDITIONAL INFORMATION ATTACHED Yes [☐] No [☐]

Describe:

Applicant's Signature

Print Name

Title

BEAUMONT BASIN WATERMASTER

GROUNDWATER STORAGE AGREEMENT # _____

THIS GROUNDWATER STORAGE AGREEMENT is made and entered into this _____ day of _____, by and between Beaumont Basin Watermaster ("Watermaster"), and _____ (herein " Storage Party"), pursuant to the Judgment.

SCOPE OF PERMISSION TO STORE. Permission is hereby given to the Storage Party, pursuant to the terms and conditions hereof, to store _____ acre-feet of water in the Beaumont Basin and to recapture the same for reasonable beneficial use as set forth in the forms or attachments below: The permission to store water under this Storage Agreement is not transferable or assignable.

RELEVANT APPLICATIONS. The following Applications are relevant to this Agreement:

- [] Application for Storage Agreement, dated _____.
- [] Application for Recharge, dated _____.
- [] Application (or Amendment to Application) to Recapture Water in Storage, dated _____.

TERM OF AGREEMENT. This Agreement may be terminated by the Watermaster upon 90 days written notice. Except for losses or other factors as Watermaster may establish, any water in storage at the time of termination of this Agreement shall be credited to the Storage Party for recapture. Termination shall affect termination of the right to place water in storage, but shall not impact the integrity of water stored or the right to recapture the same.

APPLICABILITY. This Agreement and all provisions thereof are applicable to and binding upon the parties hereto, and upon their respective heirs, executors, administrators, successors, assigns, lessors and licensees and upon the agents, employees and attorneys in fact of all such persons. Storage capacity is not assignable. Water in storage may be assigned, sold, leased or transferred as herein or subsequently approved.

RECAPTURE. Storage Party may recapture Stored Water by the direct extraction of groundwater from Beaumont Basin pursuant to a Watermaster-approved Application to Recapture Water in Storage. The Watermaster reserves the right to solely determine whether significant adverse impacts will result to the Beaumont Basin and to other Producers by reason of such recapture and shall either approve, deny, or modify any proposed recapture schedule.

ACCOUNTING FOR WATER STORED. Watermaster shall maintain a continuing account of water stored in and recaptured from Storage Party's account, which shall be available for review upon reasonable notice by Storage Party.

REPORTS TO WATERMASTER. Storage Party shall file with the Watermaster such reports, forms, or additional information as may be reasonably required by the Watermaster in order to maintain accurate information as to storage, losses and recapture of Stored Water.

THE WATERMASTER'S RIGHT TO INSPECT. The Watermaster shall have the right to inspect, at reasonable times, the records and facilities of Storage Party with respect to the storage and recapture of water in the Beaumont Basin.

NOTICE. Any notices may be given by mail postage prepaid, addressed as follows:

Watermaster	Beaumont Basin Watermaster

Storage Party	_____

SPECIAL CONDITIONS: The permission granted herein is subject to the following additional conditions:

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their respective authorized officers.

BEAUMONT BASIN WATERMASTER	STORAGE PARTY

	Name
By _____	By _____
_____	_____
Print Name	Print Name
_____	_____
Title	Title

BEAUMONT BASIN WATERMASTER**APPLICATION
FOR
RECHARGE****APPLICANT**

Name _____

Address for Notice _____

City _____ State _____ Zip Code _____

Telephone: _____

Facsimile: _____

For Staff Use Only

Date Requested: _____

Date Approved: _____

Amount Requested: _____ acre feet

Amount Approved: _____ acre feet

Projected Rate of Recharge: _____

Projected Duration of Recharge: _____

Agreement No.: _____

SOURCE OF SUPPLY☐ State Water Project☐ Colorado River☐ Recycled Water☐ Diverted Creek Water☐ Other, explain _____**METHOD OF RECHARGE**☐ PERCOLATION Name of Basin _____

Location: Attach Map

☐ INJECTION Well Number _____

Location: Attach map

☐ EXCHANGE Facility Name _____

Share of Safe Yield _____

Water in Storage _____

Pumping Capacity (in cfs) _____

WATER QUALITY AND WATER LEVELS:

Description of groundwater quality in vicinity of facility and quality of water to be stored:

Description of existing water levels in the areas that are likely to be affected:

NEGATIVE IMPACTS OF PROPOSED RECAPTURE:

Is the Applicant aware of any potential negative impacts to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes [] No []

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in negative impact to a party to the Judgment or the Basin?

ADDITIONAL INFORMATION ATTACHED Yes [] No []

Describe:

Applicant's Signature

Print Name

Title

BEAUMONT BASIN WATERMASTER

**APPLICATION (OR AMENDMENT TO APPLICATION)
TO
RECAPTURE WATER IN STORAGE**

APPLICANT

Name

Address for Notice

City State Zip Code

Telephone: _____

Facsimile: _____

For Staff Use Only

Date Requested: _____

Date Approved: _____

Amount Requested: _____ acre feet

Amount Approved: _____ acre feet

Projected Rate of Recapture: _____

Projected Duration of Recapture: _____

Agreement No. _____

IS THIS AN AMENDMENT TO A PREVIOUSLY APPROVED APPLICATION? ☐ Yes ☐ No

IF YES, ATTACH APPLICATION TO BE AMENDED

IDENTITY OF PERSON THAT STORED THE WATER: _____

PURPOSE OF RECAPTURE:

- ☐ Pump when other sources of supply are curtailed.
☐ Pump to meet current or future demand over and above production right.
☐ Pump as necessary to stabilize future assessment amounts.
☐ Other, explain _____

METHOD OF RECAPTURE (if other than pumping, e.g. exchange):

PLACE OF USE OF WATER TO BE RECAPTURED:

LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):

WATER QUALITY AND WATER LEVELS:

Description of groundwater quality in vicinity of facility and quality of water to be stored:

Description of existing water levels in the areas that are likely to be affected:

NEGATIVE IMPACTS OF PROPOSED RECAPTURE:

Is the Applicant aware of any potential negative impacts to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes [] No []

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in negative impact to a party to the Judgment or the Basin?

ADDITIONAL INFORMATION ATTACHED Yes [] No []

Describe:

Applicant's Signature

Print Name

Title

Beaumont Basin Watermaster - Form 5

NOTICE TO ADJUST RIGHTS OF AN OVERLYING PARTY DUE TO PROPOSED PROVISION OF WATER SERVICE BY AN APPROPRIATOR

Please take notice that _____ ("Appropriator") proposes to provide retail water service to _____ ("Overlying Owner") and that _____ acre feet ("Earmarked Water") of Overlying Water Rights will be transferred to the Appropriator when the Overlying Owner receives water service.

Notice is hereby given that the Watermaster will reduce the Overlying Owner's Overlying Water Right(s) (as shown in Exhibit B, Column 4 of the Judgment and modified by the redetermination of safe yield) by the amount of Earmarked Water and adjust the Appropriative Water Rights of the Appropriator effective on the day when water service is first provided by the Appropriator.

OVERLYING OWNER**APPROPRIATOR**

Overlying Party	Appropriator Party
Authorized Agent – Print Name	Authorized Agent – Print Name
Title	Title
Signature	Signature
Date	Date
Address for Notice	Address for Notice
Telephone	Telephone
Email Address	Email Address

For Watermaster Use
Date Form is Received:
Date Earmarked Water is First Used:

BEAUMONT BASIN WATERMASTER
REQUEST FOR NOTICE OR WAIVER OF NOTICE
AND
DESIGNATION OF ADDRESS FOR NOTICE AND SERVICE

Pursuant to the Judgment(Section VII. Miscellaneous Provisions, Paragraph 1), complete either Section 1 or 2, and Section 3 below and mail this form to the Beaumont Basin Watermaster.

Section 1: Waiver of Notice

I do not wish to receive the following materials:

- ☐ Notice or Agendas Only of Meetings, Hearings, Workshops, etc.
- ☐ Full Packages for Meetings, Hearings, Workshops, etc.
- ☐ Court filings without Exhibits ☐ Court filings with full Exhibits
- ☐ Annual Reports

Section 2: Request for Notice

I would like to receive the following materials:

- ☐ Notice or Agendas Only of Meetings, Hearings, Workshops, etc.
- ☐ Full Packages for Meetings, Hearings, Workshops, etc.
- ☐ Court filings without Exhibits ☐ Court filings with full Exhibits
- ☐ Annual Reports
- ☐ Please provide the materials I wish to receive by email when possible.

Section 3: Designation of Address for Notice and Service

Please provide the following information in addition to completing either Section 1 or 2 above:

Email address:_____

Entity or Company:_____

Mailing Address:_____

Phone number:_____

Printed name:_____

Signature:_____

Beaumont Basin Watermaster - Form 7

NOTICE OF TRANSFER OF APPROPRIATOR PRODUCTION RIGHT OR OPERATING YIELD BETWEEN APPROPRIATORS Calendar Year _____

Notice is hereby given that commencing on January 1, _____ and terminating on December 31, _____, _____ ("Transferor") hereby transfers to _____ ("Transferee") the quantity of _____ acre-feet of corresponding Appropriator Production Right or Operating Yield adjudicated to Transferor or its predecessor in interest in the Judgment rendered in the Case of SAN TIMOTEO WATERSHED MANAGEMENT AUTHORITY vs. CITY OF BANNING, et. Al., RIC 389197, entered on February 4, 2004.

TRANSFEROR**TRANSFEE**

Entity Name	Entity Name
Authorized Agent – Print Name	Authorized Agent – Print Name
Title	Title
Signature	Signature
Date	Date
Address for Notice	Address for Notice
Telephone	Telephone
Email Address	Email Address

For Watermaster Use
Date Form is Received:
Date Earmarked Water is First Used:

BEAUMONT BASIN WATERMASTER

**TRANSFER OF RIGHT TO
RECAPTURE WATER IN STORAGE BETWEEN APPROPRIATORS**

Fiscal Year 2_____ - _____

_____ ("Transferor") hereby transfers to
_____ ("Transferee") the right to recapture the
quantity of _____ acre-feet of water stored by Transferor pursuant to the Judgment
rendered in the Case of SAN TIMOTEO WATERSHED MANAGEMENT AUTHORITY vs. CITY
OF BANNING, et al., RIC 389197, entered February 4, 2004.

Transferor

Transferee

By

By

Executed this _____ day of _____, _____ at _____, California.

Watermaster Approved: _____

Water Level Field Form

Well Name/Owner _____

Well ID _____

Type of Well: Municipal / Private / Monitoring / Agricultural

SECTION 1: Reference Points (RP): Please update if the reference point changes.

RP Number	Month/ Day /Year	feet +/- land surface*	Description
1			
2			
3			

* feet above (+) or below (-) land surface.

Reference Point Sketch:

SECTION 2: Water Levels Measurements

Date and Time				ES=Electric Sounder AL=Airline S=Sonic PT=Pressure Transducer	Feet below RP	From Section 1	1=Static 2=Rising 3=Pumping 4=Falling 5=Flowing	Time (minutes) or UNK	Field Staff Initials	
Month	Day	Year	Time (24 Hour)	Measurement Method	Depth to Water Measurement	RP Number	Well Status	Pump Idle Time	Measured By:	Comment

Appendix D

Active and Interested Party List

City of Banning

Arturo Vela - Director of Public Works / City Eng.
99 E. Ramsey Street
Banning, CA 92220
avela@ci.banning.ca.us

Yucaipa Valley Water District

Joseph Zoba, General Manager
12770 Second Street
Yucaipa, CA 92399
jzoba@yvwd.dst.ca.us

Beaumont-Cherry Valley Water District

Dan Jagggers, General Manager
560 Magnolia Avenue
Beaumont, CA 92223
dan.jagggers@bcvwd.org

City of Beaumont

Jeff Hart - Public Works Director
550 East Sixth Street
Beaumont, CA 92223
Jhart@beaumontca.gov

South Mesa Mutual Water Company

Dave Armstrong
Post Office Box 458
Calimesa, CA 92320
darmstrongsmwc@yahoo.com

Oak Valley Partners, LP.

John Ohanian
Post Office Box 645
10410 Roberts Road
Calimesa, CA 92320

Sunny Cal Egg and Poultry Company

Steve Anderson, Esq.
c/o Best, Best and Krieger
3750 University Avenue, Suite 400
Riverside, CA 92501

Sharondale Mesa Owners Association

Robert Turnbull, President
9525 Sharon Way
Calimesa, CA 92320
909-795-8921

City of Banning

Luis Cardenas - Senior Engineer
99 E. Ramsey Street
Banning, CA 92220
lcardenas@ci.banning.ca.us

Yucaipa Valley Water District

Jennifer Ares
12770 Second Street
Yucaipa, CA 92399
jares@yvwd.dst.ca.us

Beaumont-Cherry Valley Water District

Mark Swanson - Principal Engineer
560 Magnolia Avenue
Beaumont, CA 92223
mark.swanson@bcvwd.org

City of Beaumont

Robert Vestal, Principal Engineer
550 East Sixth Street
Beaumont, CA 92223
rvestal@beaumontca.gov

Plantation on the Lake

James Krueger
10961 Desert Lawn Drive
Calimesa, CA 92320
jimk@mrc1.com

Merlin Properties, LLC.

Fred and Richard Reidman
6475 East Pacific Coast Highway, Suite 399
Long Beach, CA 90803
riedman@gte.net

Sharondale Mesa Owners Association

William Wood, Water Committee Chairman
9525 Sharon Way
Calimesa, CA 92320
[951-315-2338](tel:951-315-2338)

Sharondale Mesa Owners Association

Doris Miller, Acting Treasurer
9525 Sharon Way
Calimesa, CA 92320
909-795-8921

Sharondale Mesa Owners Association

Marcie Rogers, Secretary
9525 Sharon Way
Calimesa, CA 92320
909-795-8921

Sharondale Mesa Owners Association

Peggy Russell, Vice President
9525 Sharon Way
Calimesa, CA 92320
909-795-8921

***Southern California Professional
Golfers Association of America***

Tom Addis
36201 Champions Drive
Beaumont, CA 92223

California Oak Valley Golf and Resort, LLC.

Ron Sullivan
27710 Jefferson Avenue, Suite 301
Temecula, CA 92590

Morongo Band of Mission Indians

John Covington
12700 Pumarra Rd.
Banning, CA 92220
jcovington@morongo-nsn.gov

Morongo Band of Mission Indians

Anthony Mendoza
12700 Pumarra Rd.
Banning, CA 92220
amendoza@morongo-nsn.gov

Beaumont-Cherry Valley Water District

Lona Williams, President
560 Magnolia Avenue
Beaumont, CA 92223
David.Hoffman@bcvwd.org

Beaumont-Cherry Valley Water District

Andy Ramirez, Vice President
560 Magnolia Avenue
Beaumont, CA 92223
John.Covington@bcvwd.org

Beaumont-Cherry Valley Water District

David Hoffman, Secretary
560 Magnolia Avenue
Beaumont, CA 92223
daniel.slawson@bcvwd.org

Beaumont-Cherry Valley Water District

John Covington, Treasurer
560 Magnolia Avenue
Beaumont, CA 92223
lona.williams@bcvwd.org

Beaumont-Cherry Valley Water District

Daniel Slawson, Member
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andy.ramirez@bcvwd.org

Yucaipa Valley Water District

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cmann@yvwd.dis.ca.us

Yucaipa Valley Water District

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Lgranlund@yvwd.dis.ca.us

Yucaipa Valley Water District

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jbogh@yvwd.dis.ca.us

Yucaipa Valley Water District

Nyles O'Hara, Director
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no'hara@yvwd.dis.ca.us

City of Banning

Alberto Sanchez, Mayor
99 E. Ramsey Street
Banning, CA 92220
kpingree@banningca.gov

City of Banning

Rick Minjares, Council Member
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Banning, CA 92220
dhappe@banningca.gov

City of Banning

Sheri Flynn, Council Member
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Banning, CA 92220
asanchez@banningca.gov

South Mesa Water Company

Dave Dutchover, President
Post Office Box 458
Calimesa, CA 92320
smwc@verizon.net

South Mesa Water Company

Paul Wagner, Director
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Calimesa, CA 92320
smwc@verizon.net

South Mesa Water Company

Aaron Jones, Director
Post Office Box 458
Calimesa, CA 92320
smwc@verizon.net

Yucaipa Valley Water District

Joyce McIntire, Director
12770 Second Street
Yucaipa, CA 92399
Jmcintire@yvwd.dis.ca.us

Yucaipa Valley Water District

Mike Kostelecky, Operations Manager
Post Office Box 730
Yucaipa, CA 92399
mkostelecky@yvwd.dst.ca.us

City of Banning

Collen Wallace, Mayor Pro Tem
99 E. Ramsey Street
Banning, CA 92220
cwallace@banningca.gov

City of Banning

Reuben Gonzeles, Council Member
99 E. Ramsey Street
Banning, CA 92220
mhamlin@banningca.gov

South Mesa Water Company

Lyle Hughes, Director
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Calimesa, CA 92320
smwc@verizon.net

South Mesa Water Company

Gary Wilson, Director
Post Office Box 458
Calimesa, CA 92320
smwc@verizon.net

South Mesa Water Company

Bonnie Hernandez, Secretary/Treasurer
Post Office Box 458
Calimesa, CA 92320
smwc@verizon.net

City of Beaumont

Julio Martinez III, Mayor
550 East Sixth Street
Beaumont, CA 92223
Lwhite@beaumontca.gov

City of Beaumont

Mike Lara, Council Member
550 East Sixth Street
Beaumont, CA 92223
MLara@beaumontca.gov

City of Beaumont

Jessica Voigt, Council Member
550 East Sixth Street
Beaumont, CA 92223
Rsantos@beaumontca.gov

San Geronio Pass Water Agency

Steve Lehtonen, President
1210 Beaumont Avenue
Beaumont, CA 92223
Slehtonen@sgpwa.com

San Geronio Pass Water Agency

Chandler Letulle, Treasurer
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Mvaldivia@sgpwa.com

San Geronio Pass Water Agency

Ron Duncan, Director
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Beaumont, CA 92223
Cletulle@sgpwa.com

San Geronio Pass Water Agency

Dr. Blair Ball, Director
1210 Beaumont Avenue
Beaumont, CA 92223
Bball@sgpwa.com

San Geronio Pass Water Agency

Lance Eckhart, General Manager
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Leckhart@sgpwa.com

City of Beaumont

David Fenn, Mayor Pro Tem
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Jmartinez@beaumontca.gov

City of Beaumont

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San Geronio Pass Water Agency

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San Geronio Pass Water Agency

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San Geronio Pass Water Agency

Robert Ibarra, Director
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San Geronio Pass Water Agency

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San Bernardino Valley MWD

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Redwine and Sherrill

Gil Granito, Esq.
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Patsy Reeley

10096 Live Oak Avenue
Cherry Valley, CA 92223

Luwana Ryan

9574 Mountain View Avenue
Cherry Valley, CA 92223

Frances Flanders

41045 Mohawk Circle
Cherry Valley, CA 92223

Albor Properties

Eric Borstein
12301 Wilshire Boulevard, Suite 302
Los Angeles, CA 90025

Leonard Stearns

Post Office Box 141
Calimesa, CA 92320

Manheim, Manheim and Berman

Steve Anderson, Esq.
c/o Best, Best and Krieger
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Riverside, CA 92501

Alvarado Smith

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Mrs. Beckman

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Cherry Valley, CA 92223

Niki Magee

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Thomas Harder and Company

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714.792.3875

Alda, Inc.

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Rancho Cucamonga, CA 91701
blandona@aldaengineering.com
909.587.9916

Appendix E

Fiscal Year 2021-22 Audit Letter

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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San Bernardino, CA 92408
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Bradford A. Welebir, CPA, MBA, CGMA
Jenny W. Liu, CPA, MST
Brenda L. Odle, CPA, MST (Partner Emeritus)

MANAGERS / STAFF

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Veronica Hernandez, CPA
Laura Arvizu, CPA
Xinlu Zoe Zhang, CPA, MSA
John Maldonado, CPA, MSA
Thao Le, CPA, MBA
Julia Rodriguez Fuentes, CPA, MSA
Demi Hite, CPA

MEMBERS

American Institute of
Certified Public Accountants

PCPS The AICPA Alliance
for CPA Firms

Governmental Audit
Quality Center

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>
---------------------------	-------------------

Total assets	<u>188,419</u>
--------------	----------------

Liabilities

Accounts payable	<u>3,726</u>
------------------	--------------

Net position

Unrestricted	<u><u>\$ 184,693</u></u>
--------------	--------------------------

**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>

Appendix F

Production Estimation Methods for Unmetered Overlying Producers

University of California Riverside - CIMIS Station 44
Monthly Evapotranspiration Values - 2003 through 2022

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2003	3.05	2.57	4.61	5.00	5.65	5.16	7.05	7.46	5.54	4.08	2.23	2.07	54.47
2004	2.49	2.76	4.81	5.90	7.10	6.50	7.55	6.81	5.83	3.39	2.44	2.30	57.88
2005	2.02	2.21	3.93	5.41	6.47	6.49	7.28	6.68	5.32	3.65	2.84	2.15	54.45
2006	2.92	3.35	3.42	4.26	6.02	7.16	7.73	7.20	5.70	3.95	3.14	2.94	57.79
2007	3.28	2.91	5.02	5.04	6.47	7.16	7.57	7.09	5.44	4.34	2.81	2.24	59.37
2008	1.69	2.31	5.30	6.04	6.28	7.59	7.53	7.23	5.79	5.02	3.14	1.89	59.81
2009	3.32	2.41	4.62	5.58	6.32	5.37	7.60	6.68	5.89	4.40	3.18	2.08	57.45
2010	2.35	2.44	4.67	5.11	6.18	6.25	6.57	6.99	5.45	2.10	3.22	1.78	53.11
2011	2.91	2.91	4.22	5.57	6.67	6.95	7.76	7.65	5.47	4.03	2.45	2.82	59.41
2012	3.02	3.41	4.51	5.85	7.00	7.62	7.93	7.84	6.44	4.38	2.72	1.70	62.42
2013	2.72	3.18	4.80	5.71	7.01	7.36	7.13	7.37	6.14	4.27	2.76	2.80	61.25
2014	3.27	3.03	4.95	6.52	7.65	7.61	7.77	7.29	6.19	4.52	3.21	2.01	64.02
2015	2.84	3.32	5.85	6.28	5.37	7.46	6.75	7.66	5.81	4.22	2.77	2.35	60.68
2016	2.09	4.29	4.92	6.04	6.21	7.21	7.74	6.88	5.30	3.87	3.18	1.99	59.72
2017	1.81	2.08	5.01	6.13	5.95	6.98	7.11	6.40	4.92	4.54	2.35	3.09	56.37
2018	2.41	3.17	3.81	5.69	5.57	7.61	8.04	7.35	5.86	4.30	3.13	2.24	59.18
2019	2.29	2.37	4.36	5.90	4.95	6.49	8.03	7.68	5.76	5.11	3.05	1.81	57.80
2020	2.65	3.71	3.66	4.83	7.25	6.42	8.17	7.74	6.33	4.81	3.22	2.70	61.49
2021	2.98	3.51	4.66	5.87	6.45	7.41	8.10	7.14	5.86	4.03	3.31	1.52	60.84
2022	3.01	3.96	5.39	6.05	6.54	7.96	8.15	7.86	5.74	3.87	2.97	1.77	63.27

Crop Coefficient (Warm Season Bermuda Grass)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Kc	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Indoor Water Use: 0.35 ac-ft/yr/du

Irrigation Efficiency: 70%

Estimated Pumping - All Unmetered Accounts

Year	Total Use
2004	466.11
2005	443.64
2006	81.28
2007	12.23
2008	13.78
2009	13.47
2010	11.85

Year	Total Use
2011	12.67
2012	13.07
2013	12.91
2014	13.28
2015	12.84
2016	12.71
2017	12.28

Year	Total Use
2018	12.64
2019	12.46
2020	12.94
2021	12.86
2022	13.18

Monthly Water Requirements (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2004	1.74	1.93	3.37	4.13	4.97	4.55	5.29	4.77	4.08	2.37	1.71	1.61	40.52
2005	1.41	1.55	2.75	3.79	4.53	4.54	5.10	4.68	3.72	2.56	1.99	1.51	38.12
2006	2.04	2.35	2.39	2.98	4.21	5.01	5.41	5.04	3.99	2.77	2.20	2.06	40.45
2007	2.30	2.04	3.51	3.53	4.53	5.01	5.30	4.96	3.81	3.04	1.97	1.57	41.56
2008	1.18	1.62	3.71	4.23	4.40	5.31	5.27	5.06	4.05	3.51	2.20	1.32	41.87
2009	2.32	1.69	3.23	3.91	4.42	3.76	5.32	4.68	4.12	3.08	2.23	1.46	40.22
2010	1.65	1.71	3.27	3.58	4.33	4.38	4.60	4.89	3.82	1.47	2.25	1.25	37.18
2011	2.04	2.04	2.95	3.90	4.67	4.87	5.43	5.36	3.83	2.82	1.72	1.97	41.59
2012	2.11	2.39	3.16	4.10	4.90	5.33	5.55	5.49	4.51	3.07	1.90	1.19	43.69
2013	1.90	2.23	3.36	4.00	4.91	5.15	4.99	5.16	4.30	2.99	1.93	1.96	42.88
2014	2.29	2.12	3.47	4.56	5.36	5.33	5.44	5.10	4.33	3.16	2.25	1.41	44.81
2015	1.99	2.32	4.10	4.40	3.76	5.22	4.73	5.36	4.07	2.95	1.94	1.65	42.48
2016	1.46	3.00	3.44	4.23	4.35	5.05	5.42	4.82	3.71	2.71	2.23	1.39	41.80
2017	1.27	1.46	3.51	4.29	4.17	4.89	4.98	4.48	3.44	3.18	1.65	2.16	39.46
2018	1.69	2.22	2.67	3.98	3.90	5.33	5.63	5.15	4.10	3.01	2.19	1.57	41.43
2019	1.60	1.66	3.05	4.13	3.47	4.54	5.62	5.38	4.03	3.58	2.14	1.27	40.46
2020	1.86	2.60	2.56	3.38	5.08	4.49	5.72	5.42	4.43	3.37	2.25	1.89	43.04
2021	2.09	2.46	3.26	4.11	4.52	5.19	5.67	5.00	4.10	2.82	2.32	1.06	42.59
2022	2.11	2.77	3.77	4.24	4.58	5.57	5.71	5.50	4.02	2.71	2.08	1.24	44.29

Estimated Pumping by Merlin Properties

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	48	3	1.05	0.11	0.37	0.53	1.58
2005	48	3	1.05	0.11	0.35	0.50	1.55
2006	48	3	1.05	0.11	0.37	0.53	1.58
2007	48	3	1.05	0.11	0.38	0.54	1.59
2008	48	3	1.05	0.11	0.38	0.55	1.60
2009	48	3	1.05	0.11	0.37	0.53	1.58
2010	48	3	1.05	0.11	0.34	0.49	1.54
2011	48	3	1.05	0.11	0.38	0.54	1.59
2012	48	3	1.05	0.11	0.40	0.57	1.62
2013	48	3	1.05	0.11	0.39	0.56	1.61
2014	48	3	1.05	0.11	0.41	0.59	1.64
2015	48	3	1.05	0.11	0.39	0.56	1.61
2016	48	3	1.05	0.11	0.38	0.55	1.60
2017	48	3	1.05	0.11	0.36	0.52	1.57
2018	48	3	1.05	0.11	0.38	0.54	1.59
2019	48	3	1.05	0.11	0.37	0.53	1.58
2020	48	3	1.05	0.11	0.39	0.56	1.61
2021	48	3	1.05	0.11	0.39	0.56	1.61
2022	48	3	1.05	0.11	0.41	0.58	1.63

Estimated Pumping by Roman Catholic Bishop of San Bernardino

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	34	2	0.70	12.10	40.85	58.36	59.06
2005	34	2	0.70	12.10	38.43	54.90	55.60
2006	34	2	0.70	12.10	40.79	58.27	58.97
2007	34	2	0.70	0.00	0.00	0.00	0.70
2008	34	2	0.70	0.00	0.00	0.00	0.70
2009	34	2	0.70	0.00	0.00	0.00	0.70
2010	34	0	0.00	0.00	0.00	0.00	0.00
2011	34	0	0.00	0.00	0.00	0.00	0.00
2012	34	0	0.00	0.00	0.00	0.00	0.00
2013	34	0	0.00	0.00	0.00	0.00	0.00
2014	34	0	0.00	0.00	0.00	0.00	0.00
2015	34	0	0.00	0.00	0.00	0.00	0.00
2016	34	0	0.00	0.00	0.00	0.00	0.00
2017	34	0	0.00	0.00	0.00	0.00	0.00
2018	34	0	0.00	0.00	0.00	0.00	0.00
2019	34	0	0.00	0.00	0.00	0.00	0.00
2020	34	0	0.00	0.00	0.00	0.00	0.00
2021	34	0	0.00	0.00	0.00	0.00	0.00
2022	34	0	0.00	0.00	0.00	0.00	0.00

Estimated Pumping by Leonard Stearns

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	91	3	1.05	0.00	0.00	0.00	1.05
2005	91	3	1.05	0.00	0.00	0.00	1.05
2006	91	3	1.05	0.00	0.00	0.00	1.05
2007	91	3	1.05	0.00	0.00	0.00	1.05
2008	91	3	1.05	0.00	0.00	0.00	1.05
2009	91	3	1.05	0.00	0.00	0.00	1.05
2010	91	2	0.70	0.00	0.00	0.00	0.70
2011	91	2	0.70	0.00	0.00	0.00	0.70
2012	91	2	0.70	0.00	0.00	0.00	0.70
2013	91	2	0.70	0.00	0.00	0.00	0.70
2014	91	2	0.70	0.00	0.00	0.00	0.70
2015	91	2	0.70	0.00	0.00	0.00	0.70
2016	91	2	0.70	0.00	0.00	0.00	0.70
2017	91	2	0.70	0.00	0.00	0.00	0.70
2018	91	2	0.70	0.00	0.00	0.00	0.70
2019	91	2	0.70	0.00	0.00	0.00	0.70
2020	91	2	0.70	0.00	0.00	0.00	0.70
2021	91	2	0.70	0.00	0.00	0.00	0.70
2022	91	2	0.70	0.00	0.00	0.00	0.70

Estimated Pumping by Sunny Cal

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Number of Chickens	Chicken Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	200	10	3.50	1,200,000	80.65	66.40	224.19	320.27	404.42
2005	200	10	3.50	1,200,000	80.65	66.40	210.90	301.29	385.44
2006	185	2	0.70	0.00	0.00	0.40	1.35	1.93	2.63
2007	185	2	0.70	0.00	0.00	0.40	1.39	1.98	2.68
2008	185	2	0.70	0.00	0.00	0.70	2.44	3.49	4.19
2009	185	2	0.70	0.00	0.00	0.70	2.35	3.35	4.05
2010	185	2	0.70	0.00	0.00	0.70	2.17	3.10	3.80
2011	185	2	0.70	0.00	0.00	0.70	2.43	3.47	4.17
2012	185	2	0.70	0.00	0.00	0.70	2.55	3.64	4.34
2013	185	2	0.70	0.00	0.00	0.70	2.50	3.57	4.27
2014	185	2	0.70	0.00	0.00	0.70	2.61	3.73	4.43
2015	185	2	0.70	0.00	0.00	0.70	2.48	3.54	4.24
2016	185	2	0.70	0.00	0.00	0.70	2.44	3.48	4.18
2017	185	2	0.70	0.00	0.00	0.70	2.30	3.29	3.99
2018	185	2	0.70	0.00	0.00	0.70	2.42	3.45	4.15
2019	185	2	0.70	0.00	0.00	0.70	2.36	3.37	4.07
2020	185	2	0.70	0.00	0.00	0.70	2.51	3.59	4.29
2021	185	2	0.70	0.00	0.00	0.70	2.48	3.55	4.25
2022	185	2	0.70	0.00	0.00	0.70	2.58	3.69	4.39

Water consumption per chicken estimated at 6.0 gal/100 chickens

Estimated Pumping by Albor Properties

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	122	2	0.70	2.60	8.76	12.52	13.22
2007	122	1	0.35	0.40	1.39	1.98	2.33
2008	122	1	0.35	0.40	1.40	1.99	2.34
2009	122	1	0.35	0.40	1.34	1.92	2.27
2010	122	1	0.35	0.40	1.24	1.77	2.12
2011	122	1	0.35	0.40	1.39	1.98	2.33
2012	122	1	0.35	0.40	1.46	2.08	2.43
2013	122	1	0.35	0.40	1.43	2.04	2.39
2014	122	1	0.35	0.40	1.49	2.13	2.48
2015	122	1	0.35	0.40	1.42	2.02	2.37
2016	122	1	0.35	0.40	1.39	1.99	2.34
2017	122	1	0.35	0.40	1.32	1.88	2.23
2018	122	1	0.35	0.40	1.38	1.97	2.32
2019	122	1	0.35	0.40	1.35	1.93	2.28
2020	122	1	0.35	0.40	1.43	2.05	2.40
2021	122	1	0.35	0.40	1.42	2.03	2.38
2022	122	1	0.35	0.40	1.48	2.11	2.46

Estimated Pumping by Nikodinov

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	10	1	0.35	0.08	0.27	0.39	0.74
2007	10	1	0.35	0.08	0.28	0.40	0.75
2008	10	1	0.35	0.08	0.28	0.40	0.75
2009	10	1	0.35	0.08	0.27	0.38	0.73
2010	10	1	0.35	0.08	0.25	0.35	0.70
2011	10	1	0.35	0.08	0.28	0.40	0.75
2012	10	1	0.35	0.08	0.29	0.42	0.77
2013	10	1	0.35	0.08	0.29	0.41	0.76
2014	10	1	0.35	0.08	0.30	0.43	0.78
2015	10	1	0.35	0.08	0.28	0.40	0.75
2016	10	1	0.35	0.08	0.28	0.40	0.75
2017	10	1	0.35	0.08	0.26	0.38	0.73
2018	10	1	0.35	0.08	0.28	0.39	0.74
2019	10	1	0.35	0.08	0.27	0.39	0.74
2020	10	1	0.35	0.08	0.29	0.41	0.76
2021	10	1	0.35	0.08	0.28	0.41	0.76
2022	10	1	0.35	0.08	0.30	0.42	0.77

Estimated Pumping by McAmis

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	0.9	1	0.35	0.04	0.13	0.19	0.54
2007	0.9	1	0.35	0.04	0.14	0.20	0.55
2008	0.9	1	0.35	0.04	0.14	0.20	0.55
2009	0.9	1	0.35	0.04	0.13	0.19	0.54
2010	0.9	1	0.35	0.04	0.12	0.18	0.53
2011	0.9	1	0.35	0.04	0.14	0.20	0.55
2012	0.9	1	0.35	0.04	0.15	0.21	0.56
2013	0.9	1	0.35	0.04	0.14	0.20	0.55
2014	0.9	1	0.35	0.04	0.15	0.21	0.56
2015	0.9	1	0.35	0.04	0.14	0.20	0.55
2016	0.9	1	0.35	0.04	0.14	0.20	0.55
2017	0.9	1	0.35	0.04	0.13	0.19	0.54
2018	0.9	1	0.35	0.04	0.14	0.20	0.55
2019	0.9	1	0.35	0.04	0.13	0.19	0.54
2020	0.9	1	0.35	0.04	0.14	0.20	0.55
2021	0.9	1	0.35	0.04	0.14	0.20	0.55
2022	0.9	1	0.35	0.04	0.15	0.21	0.56

Estimated Pumping by Aldama

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	1.4	1	0.35	0.10	0.34	0.48	0.83
2007	1.4	1	0.35	0.10	0.35	0.49	0.84
2008	1.4	1	0.35	0.10	0.35	0.50	0.85
2009	1.4	1	0.35	0.10	0.34	0.48	0.83
2010	1.4	1	0.35	0.10	0.31	0.44	0.79
2011	1.4	1	0.35	0.10	0.35	0.50	0.85
2012	1.4	1	0.35	0.10	0.36	0.52	0.87
2013	1.4	1	0.35	0.10	0.36	0.51	0.86
2014	1.4	1	0.35	0.10	0.37	0.53	0.88
2015	1.4	1	0.35	0.10	0.35	0.51	0.86
2016	1.4	1	0.35	0.10	0.35	0.50	0.85
2017	1.4	1	0.35	0.10	0.33	0.47	0.82
2018	1.4	1	0.35	0.10	0.35	0.49	0.84
2019	1.4	1	0.35	0.10	0.34	0.48	0.83
2020	1.4	1	0.35	0.10	0.36	0.51	0.86
2021	1.4	1	0.35	0.10	0.35	0.51	0.86
2022	1.4	1	0.35	0.10	0.37	0.53	0.88

Estimated Pumping by Gutierrez

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	2	2	0.70	0.14	0.47	0.67	1.37
2007	2	2	0.70	0.14	0.48	0.69	1.39
2008	2	2	0.70	0.14	0.49	0.70	1.40
2009	2	2	0.70	0.14	0.47	0.67	1.37
2010	2	2	0.70	0.14	0.43	0.62	1.32
2011	2	2	0.70	0.14	0.49	0.69	1.39
2012	2	2	0.70	0.14	0.51	0.73	1.43
2013	2	2	0.70	0.14	0.50	0.71	1.41
2014	2	2	0.70	0.14	0.52	0.75	1.45
2015	2	2	0.70	0.14	0.50	0.71	1.41
2016	2	2	0.70	0.14	0.49	0.70	1.40
2017	2	2	0.70	0.14	0.46	0.66	1.36
2018	2	2	0.70	0.14	0.48	0.69	1.39
2019	2	2	0.70	0.14	0.47	0.67	1.37
2020	2	2	0.70	0.14	0.50	0.72	1.42
2021	2	2	0.70	0.14	0.50	0.71	1.41
2022	2	2	0.70	0.14	0.52	0.74	1.44

Estimated Pumping by Damont

Year	Parcel Size (acres)	D.U.	Indoor Water Use (ac-ft/yr)	Irrigated Acres	Irrigation Requirement (ac-ft/yr)	Outdoor Water Use (ac-ft/yr)	Total Use (ac-ft/yr)
2004	0	0	0.00	0.00	0.00	0.00	0.00
2005	0	0	0.00	0.00	0.00	0.00	0.00
2006	0.5	1	0.35	0.00	0.00	0.00	0.35
2007	0.5	1	0.35	0.00	0.00	0.00	0.35
2008	0.5	1	0.35	0.00	0.00	0.00	0.35
2009	0.5	1	0.35	0.00	0.00	0.00	0.35
2010	0.5	1	0.35	0.00	0.00	0.00	0.35
2011	0.5	1	0.35	0.00	0.00	0.00	0.35
2012	0.5	1	0.35	0.00	0.00	0.00	0.35
2013	0.5	1	0.35	0.00	0.00	0.00	0.35
2014	0.5	1	0.35	0.00	0.00	0.00	0.35
2015	0.5	1	0.35	0.00	0.00	0.00	0.35
2016	0.5	1	0.35	0.00	0.00	0.00	0.35
2017	0.5	1	0.35	0.00	0.00	0.00	0.35
2018	0.5	1	0.35	0.00	0.00	0.00	0.35
2019	0.5	1	0.35	0.00	0.00	0.00	0.35
2020	0.5	1	0.35	0.00	0.00	0.00	0.35
2021	0.5	1	0.35	0.00	0.00	0.00	0.35
2022	0.5	1	0.35	0.00	0.00	0.00	0.35

Appendix G

GAMA Water Quality Analysis Summary (2018-2022) for Drinking Water Wells

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-C2A	3/17/2020	Alkalinity, Total	160	MG/L
Banning-C2A	3/17/2020	Aluminum	< 50	UG/L
Banning-C2A	3/17/2020	Arsenic	< 2	UG/L
Banning-C2A	3/17/2020	Asbestos	< 0.2	MFL
Banning-C2A	3/17/2020	Barium	< 0.1	MG/L
Banning-C2A	3/17/2020	Beryllium	< 1	UG/L
Banning-C2A	3/17/2020	Cadmium	< 0.001	MG/L
Banning-C2A	3/17/2020	Calcium	41	MG/L
Banning-C2A	3/17/2020	Chloride	9.2	MG/L
Banning-C2A	3/17/2020	Chromium	16	UG/L
Banning-C2A	3/17/2020	Copper, Free	< 0.05	MG/L
Banning-C2A	3/17/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
Banning-C2A	3/17/2020	Fluoride	0.2	MG/L
Banning-C2A	3/17/2020	Hardness, Total (as CaCO3)	140	MG/L
Banning-C2A	3/17/2020	Iron	< 100	UG/L
Banning-C2A	3/17/2020	Lead	< 5	UG/L
Banning-C2A	3/17/2020	Magnesium	8.8	MG/L
Banning-C2A	3/17/2020	Manganese	< 20	UG/L
Banning-C2A	3/17/2020	Mercury	< 1	UG/L
Banning-C2A	3/17/2020	Nickel	< 10	UG/L
Banning-C2A	6/13/2018	Nitrate as N	2.0	MG/L
Banning-C2A	1/23/2019	Nitrate as N	2.0	MG/L
Banning-C2A	1/30/2020	Nitrate as N	1.9	MG/L
Banning-C2A	3/17/2020	Nitrate as N	1.3	MG/L
Banning-C2A	1/6/2021	Nitrate as N	1.9	MG/L
Banning-C2A	1/6/2021	Nitrate as N	1.9	MG/L
Banning-C2A	1/19/2022	Nitrate as N	1.7	MG/L
Banning-C2A	6/13/2018	Nitrite as N	< 0.4	MG/L
Banning-C2A	1/23/2019	Nitrite as N	< 0.4	MG/L
Banning-C2A	1/30/2020	Nitrite as N	< 0.4	MG/L
Banning-C2A	3/17/2020	Nitrite as N	< 0.4	MG/L
Banning-C2A	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-C2A	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-C2A	1/19/2022	Nitrite as N	< 0.4	MG/L
Banning-C2A	3/17/2020	Perchlorate	< 2	UG/L
Banning-C2A	3/17/2020	pH	8.2	PH
Banning-C2A	3/17/2020	Potassium	1.3	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-C2A	3/17/2020	Selenium	< 5	UG/L
Banning-C2A	3/17/2020	Silver	< 10	UG/L
Banning-C2A	3/17/2020	Sodium	24	MG/L
Banning-C2A	3/17/2020	Specific Conductivity	390	UMHO/CM
Banning-C2A	3/17/2020	Sulfate	8.5	MG/L
Banning-C2A	3/17/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
Banning-C2A	3/17/2020	Thallium	< 1	UG/L
Banning-C2A	3/17/2020	Total Dissolved Solids	220	MG/L
Banning-C2A	3/17/2020	Trichloroethylene (TCE)	< 0.5	UG/L
Banning-C2A	3/17/2020	Zinc	< 50	UG/L
Banning-C3	10/29/2020	Alkalinity, Total	140	MG/L
Banning-C3	10/29/2020	Aluminum	< 50	UG/L
Banning-C3	10/29/2020	Arsenic	< 2	UG/L
Banning-C3	10/29/2020	Asbestos	< 0.2	MFL
Banning-C3	10/29/2020	Barium	< 0.1	MG/L
Banning-C3	10/29/2020	Beryllium	< 1	UG/L
Banning-C3	10/29/2020	Cadmium	< 0.001	MG/L
Banning-C3	10/29/2020	Calcium	31	MG/L
Banning-C3	10/29/2020	Chloride	16	MG/L
Banning-C3	10/29/2020	Chromium	12	UG/L
Banning-C3	10/29/2020	Copper, Free	< 0.05	MG/L
Banning-C3	10/29/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
Banning-C3	10/29/2020	Fluoride	0.34	MG/L
Banning-C3	10/29/2020	Hardness, Total (as CaCO3)	100	MG/L
Banning-C3	10/29/2020	Iron	140	UG/L
Banning-C3	10/29/2020	Lead	< 5	UG/L
Banning-C3	10/29/2020	Magnesium	5.7	MG/L
Banning-C3	10/29/2020	Manganese	< 20	UG/L
Banning-C3	10/29/2020	Mercury	< 1	UG/L
Banning-C3	10/29/2020	Nickel	< 10	UG/L
Banning-C3	6/13/2018	Nitrate as N	1.8	MG/L
Banning-C3	1/23/2019	Nitrate as N	1.8	MG/L
Banning-C3	10/29/2020	Nitrate as N	1.7	MG/L
Banning-C3	1/19/2022	Nitrate as N	2.0	MG/L
Banning-C3	6/13/2018	Nitrite as N	< 0.4	MG/L
Banning-C3	1/23/2019	Nitrite as N	< 0.4	MG/L
Banning-C3	10/29/2020	Nitrite as N	< 0.4	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-C3	1/19/2022	Nitrite as N	< 0.4	MG/L
Banning-C3	10/29/2020	Perchlorate	< 2	UG/L
Banning-C3	10/29/2020	pH	8.1	PH
Banning-C3	10/29/2020	Potassium	1.6	MG/L
Banning-C3	10/29/2020	Selenium	< 5	UG/L
Banning-C3	10/29/2020	Silver	< 10	UG/L
Banning-C3	10/29/2020	Sodium	29	MG/L
Banning-C3	10/29/2020	Specific Conductivity	330	UMHO/CM
Banning-C3	10/29/2020	Sulfate	5.5	MG/L
Banning-C3	10/29/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
Banning-C3	10/29/2020	Thallium	< 1	UG/L
Banning-C3	10/29/2020	Total Dissolved Solids	170	MG/L
Banning-C3	10/29/2020	Trichloroethylene (TCE)	< 0.5	UG/L
Banning-C3	10/29/2020	Zinc	< 50	UG/L
Banning-C4	3/11/2020	Alkalinity, Total	150	MG/L
Banning-C4	3/11/2020	Aluminum	< 50	UG/L
Banning-C4	3/11/2020	Arsenic	< 2	UG/L
Banning-C4	3/11/2020	Asbestos	< 0.2	MFL
Banning-C4	3/11/2020	Barium	< 0.1	MG/L
Banning-C4	3/11/2020	Beryllium	< 1	UG/L
Banning-C4	3/11/2020	Cadmium	< 0.001	MG/L
Banning-C4	3/11/2020	Calcium	36	MG/L
Banning-C4	3/11/2020	Chloride	8.2	MG/L
Banning-C4	3/11/2020	Chromium	16	UG/L
Banning-C4	3/11/2020	Copper, Free	< 0.05	MG/L
Banning-C4	3/11/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
Banning-C4	3/11/2020	Fluoride	0.25	MG/L
Banning-C4	3/11/2020	Hardness, Total (as CaCO3)	120	MG/L
Banning-C4	3/11/2020	Iron	< 100	UG/L
Banning-C4	3/11/2020	Lead	< 5	UG/L
Banning-C4	3/11/2020	Magnesium	7.2	MG/L
Banning-C4	3/11/2020	Manganese	< 20	UG/L
Banning-C4	3/11/2020	Mercury	< 1	UG/L
Banning-C4	3/11/2020	Nickel	< 10	UG/L
Banning-C4	6/13/2018	Nitrate as N	1.1	MG/L
Banning-C4	1/23/2019	Nitrate as N	1.0	MG/L
Banning-C4	1/30/2020	Nitrate as N	0.9	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-C4	3/11/2020	Nitrate as N	1.0	MG/L
Banning-C4	1/6/2021	Nitrate as N	0.9	MG/L
Banning-C4	1/6/2021	Nitrate as N	0.9	MG/L
Banning-C4	6/28/2022	Nitrate as N	1.5	MG/L
Banning-C4	6/13/2018	Nitrite as N	< 0.4	MG/L
Banning-C4	1/23/2019	Nitrite as N	< 0.4	MG/L
Banning-C4	1/30/2020	Nitrite as N	< 0.4	MG/L
Banning-C4	3/11/2020	Nitrite as N	< 0.4	MG/L
Banning-C4	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-C4	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-C4	6/28/2022	Nitrite as N	< 0.4	MG/L
Banning-C4	3/11/2020	Perchlorate	< 2	UG/L
Banning-C4	3/11/2020	pH	8.1	PH
Banning-C4	3/11/2020	Potassium	1.5	MG/L
Banning-C4	3/11/2020	Selenium	< 5	UG/L
Banning-C4	3/11/2020	Silver	< 10	UG/L
Banning-C4	3/11/2020	Sodium	27	MG/L
Banning-C4	3/11/2020	Specific Conductivity	350	UMHO/CM
Banning-C4	3/11/2020	Sulfate	12	MG/L
Banning-C4	3/11/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
Banning-C4	3/11/2020	Thallium	< 1	UG/L
Banning-C4	3/11/2020	Total Dissolved Solids	200	MG/L
Banning-C4	3/11/2020	Trichloroethylene (TCE)	< 0.5	UG/L
Banning-C4	3/11/2020	Zinc	< 50	UG/L
Banning-M3	2/14/2018	Alkalinity, Total	180	MG/L
Banning-M3	2/11/2021	Alkalinity, Total	170	MG/L
Banning-M3	2/14/2018	Aluminum	57	UG/L
Banning-M3	2/11/2021	Aluminum	< 50	UG/L
Banning-M3	2/14/2018	Antimony	< 6	UG/L
Banning-M3	2/14/2018	Arsenic	< 2	UG/L
Banning-M3	2/11/2021	Arsenic	< 2	UG/L
Banning-M3	2/11/2021	Asbestos	< 0.2	MFL
Banning-M3	2/14/2018	Barium	0.023	MG/L
Banning-M3	2/11/2021	Barium	< 0.1	MG/L
Banning-M3	2/14/2018	Beryllium	< 1	UG/L
Banning-M3	2/11/2021	Beryllium	< 1	UG/L
Banning-M3	2/14/2018	Cadmium	< 0.001	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-M3	2/11/2021	Cadmium	< 0.001	MG/L
Banning-M3	2/14/2018	Calcium	41	MG/L
Banning-M3	2/11/2021	Calcium	37	MG/L
Banning-M3	2/14/2018	Chloride	16	MG/L
Banning-M3	2/11/2021	Chloride	16	MG/L
Banning-M3	2/14/2018	Chromium	9.9	UG/L
Banning-M3	2/11/2021	Chromium	< 10	UG/L
Banning-M3	2/14/2018	Copper, Free	< 0.05	MG/L
Banning-M3	2/11/2021	Copper, Free	< 0.05	MG/L
Banning-M3	2/14/2018	Dibromochloropropane (DBCP)	< 0.01	UG/L
Banning-M3	2/11/2021	Dibromochloropropane (DBCP)	< 0.01	UG/L
Banning-M3	2/14/2018	Fluoride	0.32	MG/L
Banning-M3	2/11/2021	Fluoride	0.32	MG/L
Banning-M3	2/14/2018	Hardness, Total (as CaCO3)	160	MG/L
Banning-M3	2/11/2021	Hardness, Total (as CaCO3)	150	MG/L
Banning-M3	2/14/2018	Iron	120	UG/L
Banning-M3	2/11/2021	Iron	< 100	UG/L
Banning-M3	2/14/2018	Lead	< 5	UG/L
Banning-M3	2/11/2021	Lead	< 5	UG/L
Banning-M3	2/14/2018	Magnesium	14	MG/L
Banning-M3	2/11/2021	Magnesium	13	MG/L
Banning-M3	2/14/2018	Manganese	< 20	UG/L
Banning-M3	2/11/2021	Manganese	< 20	UG/L
Banning-M3	2/14/2018	Mercury	< 1	UG/L
Banning-M3	2/11/2021	Mercury	< 1	UG/L
Banning-M3	2/14/2018	Nickel	< 10	UG/L
Banning-M3	2/11/2021	Nickel	< 10	UG/L
Banning-M3	2/14/2018	Nitrate as N	2.2	MG/L
Banning-M3	6/13/2018	Nitrate as N	1.9	MG/L
Banning-M3	1/23/2019	Nitrate as N	2.2	MG/L
Banning-M3	1/30/2020	Nitrate as N	1.6	MG/L
Banning-M3	1/6/2021	Nitrate as N	2.1	MG/L
Banning-M3	1/6/2021	Nitrate as N	2.1	MG/L
Banning-M3	2/11/2021	Nitrate as N	2.3	MG/L
Banning-M3	1/19/2022	Nitrate as N	2.3	MG/L
Banning-M3	2/14/2018	Nitrite as N	< 0.4	MG/L
Banning-M3	6/13/2018	Nitrite as N	< 0.4	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
Banning-M3	1/23/2019	Nitrite as N	< 0.4	MG/L
Banning-M3	1/30/2020	Nitrite as N	< 0.4	MG/L
Banning-M3	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-M3	1/6/2021	Nitrite as N	< 0.4	MG/L
Banning-M3	2/11/2021	Nitrite as N	< 0.4	MG/L
Banning-M3	1/19/2022	Nitrite as N	< 0.4	MG/L
Banning-M3	2/14/2018	Perchlorate	< 2	UG/L
Banning-M3	2/11/2021	Perchlorate	< 2	UG/L
Banning-M3	2/14/2018	pH	8.2	PH UNITS
Banning-M3	2/11/2021	pH	8.1	PH
Banning-M3	2/14/2018	Potassium	2.1	MG/L
Banning-M3	2/11/2021	Potassium	2.2	MG/L
Banning-M3	2/14/2018	Selenium	< 5	UG/L
Banning-M3	2/11/2021	Selenium	< 5	UG/L
Banning-M3	2/14/2018	Silver	< 10	UG/L
Banning-M3	2/11/2021	Silver	< 10	UG/L
Banning-M3	2/14/2018	Sodium	39	MG/L
Banning-M3	2/11/2021	Sodium	39	MG/L
Banning-M3	2/14/2018	Specific Conductivity	460	UMHOS/CM
Banning-M3	2/11/2021	Specific Conductivity	430	UMHO/CM
Banning-M3	2/14/2018	Sulfate	36	MG/L
Banning-M3	2/11/2021	Sulfate	33	MG/L
Banning-M3	2/14/2018	Tetrachloroethene (PCE)	< 0.5	UG/L
Banning-M3	2/11/2021	Tetrachloroethene (PCE)	< 0.5	UG/L
Banning-M3	2/14/2018	Thallium	< 1	UG/L
Banning-M3	2/11/2021	Thallium	< 1	UG/L
Banning-M3	2/14/2018	Total Dissolved Solids	280	MG/L
Banning-M3	2/11/2021	Total Dissolved Solids	260	MG/L
Banning-M3	2/14/2018	Trichloroethylene (TCE)	< 0.5	UG/L
Banning-M3	2/11/2021	Trichloroethylene (TCE)	< 0.5	UG/L
Banning-M3	2/14/2018	Zinc	< 50	MG/L
Banning-M3	2/11/2021	Zinc	< 50	UG/L
BCVWD-16	12/4/2019	Alkalinity, Total	180	MG/L
BCVWD-16	11/30/2022	Alkalinity, Total	190	MG/L
BCVWD-16	12/4/2019	Aluminum	< 50	UG/L
BCVWD-16	11/30/2022	Aluminum	< 50	UG/L
BCVWD-16	12/18/2018	Arsenic	< 2	UG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-16	12/4/2019	Arsenic	< 2	UG/L
BCVWD-16	11/30/2022	Arsenic	< 2	UG/L
BCVWD-16	12/4/2019	Barium	< 0.1	MG/L
BCVWD-16	11/30/2022	Barium	< 0.1	MG/L
BCVWD-16	12/4/2019	Beryllium	< 1	UG/L
BCVWD-16	11/30/2022	Beryllium	< 1	UG/L
BCVWD-16	12/4/2019	Cadmium	< 0.001	MG/L
BCVWD-16	11/30/2022	Cadmium	< 0.001	MG/L
BCVWD-16	12/4/2019	Calcium	54	MG/L
BCVWD-16	11/30/2022	Calcium	53	MG/L
BCVWD-16	12/4/2019	Chloride	46	MG/L
BCVWD-16	11/30/2022	Chloride	34	MG/L
BCVWD-16	12/4/2019	Chromium	< 10	UG/L
BCVWD-16	11/30/2022	Chromium	< 10	UG/L
BCVWD-16	12/4/2019	Copper, Free	< 0.05	MG/L
BCVWD-16	11/30/2022	Copper, Free	< 0.05	MG/L
BCVWD-16	12/4/2019	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-16	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-16	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-16	12/4/2019	Fluoride	0.64	MG/L
BCVWD-16	11/30/2022	Fluoride	0.64	MG/L
BCVWD-16	12/4/2019	Hardness, Total (as CaCO ₃)	220	MG/L
BCVWD-16	11/30/2022	Hardness, Total (as CaCO ₃)	210	MG/L
BCVWD-16	12/4/2019	Iron	< 100	UG/L
BCVWD-16	11/30/2022	Iron	< 100	UG/L
BCVWD-16	12/4/2019	Lead	< 5	UG/L
BCVWD-16	11/30/2022	Lead	< 5	UG/L
BCVWD-16	12/4/2019	Magnesium	20	MG/L
BCVWD-16	11/30/2022	Magnesium	19	MG/L
BCVWD-16	12/4/2019	Manganese	< 20	UG/L
BCVWD-16	11/30/2022	Manganese	< 20	UG/L
BCVWD-16	12/4/2019	Mercury	< 1	UG/L
BCVWD-16	11/30/2022	Mercury	< 1	UG/L
BCVWD-16	12/4/2019	Nickel	< 10	UG/L
BCVWD-16	11/30/2022	Nickel	< 10	UG/L
BCVWD-16	1/8/2018	Nitrate as N	5.8	MG/L
BCVWD-16	12/18/2018	Nitrate as N	6.0	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-16	10/1/2019	Nitrate as N	6.9	MG/L
BCVWD-16	12/4/2019	Nitrate as N	5.1	MG/L
BCVWD-16	5/26/2020	Nitrate as N	7.0	MG/L
BCVWD-16	6/16/2020	Nitrate as N	6.8	MG/L
BCVWD-16	7/27/2020	Nitrate as N	6.7	MG/L
BCVWD-16	10/27/2020	Nitrate as N	5.1	MG/L
BCVWD-16	12/10/2020	Nitrate as N	6.2	MG/L
BCVWD-16	2/9/2021	Nitrate as N	6.2	MG/L
BCVWD-16	3/23/2021	Nitrate as N	5.3	MG/L
BCVWD-16	4/29/2021	Nitrate as N	6.0	MG/L
BCVWD-16	5/26/2021	Nitrate as N	6.7	MG/L
BCVWD-16	6/29/2021	Nitrate as N	6.3	MG/L
BCVWD-16	7/28/2021	Nitrate as N	6.1	MG/L
BCVWD-16	8/23/2021	Nitrate as N	5.7	MG/L
BCVWD-16	9/21/2021	Nitrate as N	6.3	MG/L
BCVWD-16	10/28/2021	Nitrate as N	5.7	MG/L
BCVWD-16	11/23/2021	Nitrate as N	5.7	MG/L
BCVWD-16	12/9/2021	Nitrate as N	6.1	MG/L
BCVWD-16	1/26/2022	Nitrate as N	5.7	MG/L
BCVWD-16	2/23/2022	Nitrate as N	5.6	MG/L
BCVWD-16	3/23/2022	Nitrate as N	5.4	MG/L
BCVWD-16	4/28/2022	Nitrate as N	5.5	MG/L
BCVWD-16	5/24/2022	Nitrate as N	5.4	MG/L
BCVWD-16	6/22/2022	Nitrate as N	5.1	MG/L
BCVWD-16	7/28/2022	Nitrate as N	4.7	MG/L
BCVWD-16	9/22/2022	Nitrate as N	4.7	MG/L
BCVWD-16	10/25/2022	Nitrate as N	4.8	MG/L
BCVWD-16	11/28/2022	Nitrate as N	5.0	MG/L
BCVWD-16	11/30/2022	Nitrate as N	4.8	MG/L
BCVWD-16	12/20/2022	Nitrate as N	5.1	MG/L
BCVWD-16	12/4/2019	Nitrite as N	< 0.4	MG/L
BCVWD-16	11/30/2022	Nitrite as N	< 0.4	MG/L
BCVWD-16	12/4/2019	Perchlorate	< 2	UG/L
BCVWD-16	11/30/2022	Perchlorate	< 2	UG/L
BCVWD-16	12/4/2019	pH	8.2	PH
BCVWD-16	11/30/2022	pH	7.9	PH
BCVWD-16	12/4/2019	Potassium	1.3	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-16	11/30/2022	Potassium	1.4	MG/L
BCVWD-16	12/4/2019	Selenium	< 5	UG/L
BCVWD-16	11/30/2022	Selenium	< 5	UG/L
BCVWD-16	12/4/2019	Silver	< 10	UG/L
BCVWD-16	11/30/2022	Silver	< 10	UG/L
BCVWD-16	12/4/2019	Sodium	35	MG/L
BCVWD-16	11/30/2022	Sodium	37	MG/L
BCVWD-16	12/4/2019	Specific Conductivity	590	UMHO/CM
BCVWD-16	11/30/2022	Specific Conductivity	510	UMHO/CM
BCVWD-16	12/4/2019	Sulfate	45	MG/L
BCVWD-16	11/30/2022	Sulfate	48	MG/L
BCVWD-16	12/4/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-16	11/30/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-16	12/4/2019	Thallium	< 1	UG/L
BCVWD-16	11/30/2022	Thallium	< 1	UG/L
BCVWD-16	12/4/2019	Total Dissolved Solids	350	MG/L
BCVWD-16	11/30/2022	Total Dissolved Solids	330	MG/L
BCVWD-16	12/4/2019	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-16	11/30/2022	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-16	12/4/2019	Zinc	< 50	UG/L
BCVWD-16	11/30/2022	Zinc	< 50	UG/L
BCVWD-21	12/18/2018	Alkalinity, Total	180	MG/L
BCVWD-21	12/9/2021	Alkalinity, Total	170	MG/L
BCVWD-21	12/18/2018	Aluminum	< 50	UG/L
BCVWD-21	12/9/2021	Aluminum	< 50	UG/L
BCVWD-21	12/18/2018	Antimony	< 6	UG/L
BCVWD-21	12/18/2018	Arsenic	< 2	UG/L
BCVWD-21	12/9/2021	Arsenic	< 2	UG/L
BCVWD-21	12/18/2018	Barium	< 0.1	MG/L
BCVWD-21	12/9/2021	Barium	0.022	MG/L
BCVWD-21	12/18/2018	Beryllium	< 1	UG/L
BCVWD-21	12/9/2021	Beryllium	< 1	UG/L
BCVWD-21	12/18/2018	Cadmium	< 0.001	MG/L
BCVWD-21	12/9/2021	Cadmium	< 0.001	MG/L
BCVWD-21	12/18/2018	Calcium	48	MG/L
BCVWD-21	12/9/2021	Calcium	53	MG/L
BCVWD-21	12/18/2018	Chloride	24	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-21	12/9/2021	Chloride	32	MG/L
BCVWD-21	12/18/2018	Chromium	10	UG/L
BCVWD-21	12/9/2021	Chromium	1.5	UG/L
BCVWD-21	12/18/2018	Copper, Free	< 0.05	MG/L
BCVWD-21	12/9/2021	Copper, Free	< 0.05	MG/L
BCVWD-21	12/4/2019	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-21	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-21	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-21	12/18/2018	Fluoride	0.45	MG/L
BCVWD-21	12/9/2021	Fluoride	0.49	MG/L
BCVWD-21	12/18/2018	Hardness, Total (as CaCO3)	190	MG/L
BCVWD-21	12/9/2021	Hardness, Total (as CaCO3)	210	MG/L
BCVWD-21	12/18/2018	Iron	100	UG/L
BCVWD-21	12/9/2021	Iron	< 100	UG/L
BCVWD-21	12/18/2018	Lead	< 5	UG/L
BCVWD-21	12/9/2021	Lead	< 5	UG/L
BCVWD-21	12/18/2018	Magnesium	17	MG/L
BCVWD-21	12/9/2021	Magnesium	19	MG/L
BCVWD-21	12/18/2018	Manganese	< 20	UG/L
BCVWD-21	12/9/2021	Manganese	< 20	UG/L
BCVWD-21	12/18/2018	Mercury	< 1	UG/L
BCVWD-21	12/9/2021	Mercury	< 1	UG/L
BCVWD-21	12/18/2018	Nickel	< 10	UG/L
BCVWD-21	12/9/2021	Nickel	< 10	UG/L
BCVWD-21	1/8/2018	Nitrate as N	3.4	MG/L
BCVWD-21	2/27/2018	Nitrate as N	3.2	MG/L
BCVWD-21	12/18/2018	Nitrate as N	3.0	MG/L
BCVWD-21	10/1/2019	Nitrate as N	3.0	MG/L
BCVWD-21	12/4/2019	Nitrate as N	2.9	MG/L
BCVWD-21	7/27/2020	Nitrate as N	3.2	MG/L
BCVWD-21	10/27/2020	Nitrate as N	3.1	MG/L
BCVWD-21	12/10/2020	Nitrate as N	3.1	MG/L
BCVWD-21	2/9/2021	Nitrate as N	3.0	MG/L
BCVWD-21	3/23/2021	Nitrate as N	3.0	MG/L
BCVWD-21	4/29/2021	Nitrate as N	3.0	MG/L
BCVWD-21	5/26/2021	Nitrate as N	3.2	MG/L
BCVWD-21	6/29/2021	Nitrate as N	3.2	MG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-21	7/28/2021	Nitrate as N	3.1	MG/L
BCVWD-21	8/23/2021	Nitrate as N	2.9	MG/L
BCVWD-21	9/21/2021	Nitrate as N	3.3	MG/L
BCVWD-21	10/28/2021	Nitrate as N	3.0	MG/L
BCVWD-21	11/23/2021	Nitrate as N	3.1	MG/L
BCVWD-21	12/9/2021	Nitrate as N	3.3	MG/L
BCVWD-21	1/26/2022	Nitrate as N	2.9	MG/L
BCVWD-21	2/23/2022	Nitrate as N	2.9	MG/L
BCVWD-21	3/23/2022	Nitrate as N	2.9	MG/L
BCVWD-21	4/28/2022	Nitrate as N	3.0	MG/L
BCVWD-21	5/24/2022	Nitrate as N	3.0	MG/L
BCVWD-21	6/22/2022	Nitrate as N	2.9	MG/L
BCVWD-21	7/28/2022	Nitrate as N	2.7	MG/L
BCVWD-21	9/22/2022	Nitrate as N	2.9	MG/L
BCVWD-21	10/25/2022	Nitrate as N	2.9	MG/L
BCVWD-21	11/28/2022	Nitrate as N	2.9	MG/L
BCVWD-21	11/30/2022	Nitrate as N	2.8	MG/L
BCVWD-21	12/20/2022	Nitrate as N	3.0	MG/L
BCVWD-21	12/18/2018	Nitrite as N	0.4	MG/L
BCVWD-21	12/9/2021	Nitrite as N	< 0.4	MG/L
BCVWD-21	12/18/2018	Perchlorate	< 2	UG/L
BCVWD-21	12/9/2021	Perchlorate	< 2	UG/L
BCVWD-21	12/18/2018	pH	8.2	PH UNITS
BCVWD-21	12/9/2021	pH	8.1	PH
BCVWD-21	12/18/2018	Potassium	1.6	MG/L
BCVWD-21	12/9/2021	Potassium	1.8	MG/L
BCVWD-21	12/18/2018	Selenium	< 5	UG/L
BCVWD-21	12/9/2021	Selenium	< 5	UG/L
BCVWD-21	12/18/2018	Silver	< 10	UG/L
BCVWD-21	12/9/2021	Silver	< 10	UG/L
BCVWD-21	12/18/2018	Sodium	24	MG/L
BCVWD-21	12/9/2021	Sodium	25	MG/L
BCVWD-21	12/18/2018	Specific Conductivity	480	UMHOS/CM
BCVWD-21	12/9/2021	Specific Conductivity	480	UMHO/CM
BCVWD-21	12/18/2018	Sulfate	28	MG/L
BCVWD-21	12/9/2021	Sulfate	31	MG/L
BCVWD-21	12/4/2019	Tetrachloroethene (PCE)	< 0.5	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-21	11/30/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-21	12/18/2018	Thallium	< 1	UG/L
BCVWD-21	12/9/2021	Thallium	< 1	UG/L
BCVWD-21	12/18/2018	Total Dissolved Solids	270	MG/L
BCVWD-21	12/9/2021	Total Dissolved Solids	260	MG/L
BCVWD-21	12/4/2019	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-21	11/30/2022	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-21	12/18/2018	Zinc	< 50	MG/L
BCVWD-21	12/9/2021	Zinc	< 50	UG/L
BCVWD-22	12/4/2019	Alkalinity, Total	180	MG/L
BCVWD-22	11/30/2022	Alkalinity, Total	200	MG/L
BCVWD-22	12/4/2019	Aluminum	< 50	UG/L
BCVWD-22	11/30/2022	Aluminum	< 50	UG/L
BCVWD-22	12/4/2019	Arsenic	< 2	UG/L
BCVWD-22	11/30/2022	Arsenic	< 2	UG/L
BCVWD-22	12/4/2019	Barium	< 0.1	MG/L
BCVWD-22	11/30/2022	Barium	< 0.1	MG/L
BCVWD-22	12/4/2019	Beryllium	< 1	UG/L
BCVWD-22	11/30/2022	Beryllium	< 1	UG/L
BCVWD-22	12/4/2019	Cadmium	< 0.001	MG/L
BCVWD-22	11/30/2022	Cadmium	< 0.001	MG/L
BCVWD-22	12/4/2019	Calcium	38	MG/L
BCVWD-22	11/30/2022	Calcium	40	MG/L
BCVWD-22	12/4/2019	Chloride	8	MG/L
BCVWD-22	11/30/2022	Chloride	8.1	MG/L
BCVWD-22	12/4/2019	Chromium	< 10	UG/L
BCVWD-22	11/30/2022	Chromium	< 10	UG/L
BCVWD-22	12/4/2019	Copper, Free	< 0.05	MG/L
BCVWD-22	11/30/2022	Copper, Free	< 0.05	MG/L
BCVWD-22	12/4/2019	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-22	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-22	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-22	12/4/2019	Fluoride	0.31	MG/L
BCVWD-22	11/30/2022	Fluoride	0.32	MG/L
BCVWD-22	12/4/2019	Hardness, Total (as CaCO3)	160	MG/L
BCVWD-22	11/30/2022	Hardness, Total (as CaCO3)	170	MG/L
BCVWD-22	12/4/2019	Iron	< 100	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-22	11/30/2022	Iron	< 100	UG/L
BCVWD-22	12/4/2019	Lead	< 5	UG/L
BCVWD-22	11/30/2022	Lead	< 5	UG/L
BCVWD-22	12/4/2019	Magnesium	16	MG/L
BCVWD-22	11/30/2022	Magnesium	17	MG/L
BCVWD-22	12/4/2019	Manganese	< 20	UG/L
BCVWD-22	11/30/2022	Manganese	< 20	UG/L
BCVWD-22	12/4/2019	Mercury	< 1	UG/L
BCVWD-22	11/30/2022	Mercury	< 1	UG/L
BCVWD-22	12/4/2019	Nickel	< 10	UG/L
BCVWD-22	11/30/2022	Nickel	< 10	UG/L
BCVWD-22	12/4/2019	Nitrate as N	0.9	MG/L
BCVWD-22	12/10/2020	Nitrate as N	0.9	MG/L
BCVWD-22	12/9/2021	Nitrate as N	1.3	MG/L
BCVWD-22	11/30/2022	Nitrate as N	1.4	MG/L
BCVWD-22	12/4/2019	Nitrite as N	< 0.4	MG/L
BCVWD-22	11/30/2022	Nitrite as N	< 0.4	MG/L
BCVWD-22	12/4/2019	Perchlorate	< 2	UG/L
BCVWD-22	11/30/2022	Perchlorate	< 2	UG/L
BCVWD-22	12/4/2019	pH	8.1	PH
BCVWD-22	11/30/2022	pH	8.0	PH
BCVWD-22	12/4/2019	Potassium	1.3	MG/L
BCVWD-22	11/30/2022	Potassium	1.5	MG/L
BCVWD-22	12/4/2019	Selenium	< 5	UG/L
BCVWD-22	11/30/2022	Selenium	< 5	UG/L
BCVWD-22	12/4/2019	Silver	< 10	UG/L
BCVWD-22	11/30/2022	Silver	< 10	UG/L
BCVWD-22	12/4/2019	Sodium	18	MG/L
BCVWD-22	11/30/2022	Sodium	18	MG/L
BCVWD-22	12/4/2019	Specific Conductivity	380	UMHO/CM
BCVWD-22	11/30/2022	Specific Conductivity	350	UMHO/CM
BCVWD-22	12/4/2019	Sulfate	10	MG/L
BCVWD-22	11/30/2022	Sulfate	11	MG/L
BCVWD-22	12/4/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-22	11/30/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-22	12/4/2019	Thallium	< 1	UG/L
BCVWD-22	11/30/2022	Thallium	< 1	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-22	12/4/2019	Total Dissolved Solids	220	MG/L
BCVWD-22	11/30/2022	Total Dissolved Solids	200	MG/L
BCVWD-22	12/4/2019	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-22	11/30/2022	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-22	12/4/2019	Zinc	< 50	UG/L
BCVWD-22	11/30/2022	Zinc	< 50	UG/L
BCVWD-23	12/18/2018	Alkalinity, Total	170	MG/L
BCVWD-23	12/15/2021	Alkalinity, Total	150	MG/L
BCVWD-23	12/18/2018	Aluminum	< 50	UG/L
BCVWD-23	12/15/2021	Aluminum	< 50	UG/L
BCVWD-23	12/18/2018	Antimony	< 6	UG/L
BCVWD-23	12/18/2018	Arsenic	< 2	UG/L
BCVWD-23	12/15/2021	Arsenic	< 2	UG/L
BCVWD-23	12/18/2018	Barium	< 0.1	MG/L
BCVWD-23	12/15/2021	Barium	0.027	MG/L
BCVWD-23	12/18/2018	Beryllium	< 1	UG/L
BCVWD-23	12/15/2021	Beryllium	< 1	UG/L
BCVWD-23	12/18/2018	Cadmium	< 0.001	MG/L
BCVWD-23	12/15/2021	Cadmium	< 0.001	MG/L
BCVWD-23	12/18/2018	Calcium	47	MG/L
BCVWD-23	12/15/2021	Calcium	49	MG/L
BCVWD-23	12/18/2018	Chloride	21	MG/L
BCVWD-23	12/15/2021	Chloride	46	MG/L
BCVWD-23	12/18/2018	Chromium	10	UG/L
BCVWD-23	12/15/2021	Chromium	5.3	UG/L
BCVWD-23	12/18/2018	Copper, Free	< 0.05	MG/L
BCVWD-23	12/15/2021	Copper, Free	< 0.05	MG/L
BCVWD-23	12/18/2018	Dibromochloropropane (DBCP)	0.044	UG/L
BCVWD-23	6/27/2019	Dibromochloropropane (DBCP)	0.048	UG/L
BCVWD-23	12/15/2021	Dibromochloropropane (DBCP)	0.024	UG/L
BCVWD-23	6/23/2022	Dibromochloropropane (DBCP)	0.033	UG/L
BCVWD-23	12/22/2022	Dibromochloropropane (DBCP)	0.028	UG/L
BCVWD-23	12/18/2018	Fluoride	0.37	MG/L
BCVWD-23	12/15/2021	Fluoride	0.41	MG/L
BCVWD-23	12/18/2018	Hardness, Total (as CaCO3)	180	MG/L
BCVWD-23	12/15/2021	Hardness, Total (as CaCO3)	200	MG/L
BCVWD-23	12/18/2018	Iron	100	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-23	12/15/2021	Iron	< 100	UG/L
BCVWD-23	12/18/2018	Lead	< 5	UG/L
BCVWD-23	12/15/2021	Lead	< 5	UG/L
BCVWD-23	12/18/2018	Magnesium	15	MG/L
BCVWD-23	12/15/2021	Magnesium	18	MG/L
BCVWD-23	12/18/2018	Manganese	< 20	UG/L
BCVWD-23	12/15/2021	Manganese	< 20	UG/L
BCVWD-23	12/18/2018	Mercury	< 1	UG/L
BCVWD-23	12/15/2021	Mercury	< 1	UG/L
BCVWD-23	12/18/2018	Nickel	< 10	UG/L
BCVWD-23	12/15/2021	Nickel	< 10	UG/L
BCVWD-23	1/8/2018	Nitrate as N	2.4	MG/L
BCVWD-23	2/27/2018	Nitrate as N	2.3	MG/L
BCVWD-23	12/18/2018	Nitrate as N	2.7	MG/L
BCVWD-23	12/4/2019	Nitrate as N	2.1	MG/L
BCVWD-23	12/10/2020	Nitrate as N	1.9	MG/L
BCVWD-23	12/15/2021	Nitrate as N	2.2	MG/L
BCVWD-23	12/22/2022	Nitrate as N	1.8	MG/L
BCVWD-23	12/18/2018	Nitrite as N	0.4	MG/L
BCVWD-23	12/15/2021	Nitrite as N	< 0.4	MG/L
BCVWD-23	12/18/2018	Perchlorate	< 2	UG/L
BCVWD-23	12/15/2021	Perchlorate	< 2	UG/L
BCVWD-23	12/18/2018	pH	8.3	PH UNITS
BCVWD-23	12/15/2021	pH	8.0	PH
BCVWD-23	12/18/2018	Potassium	1.5	MG/L
BCVWD-23	12/15/2021	Potassium	1.5	MG/L
BCVWD-23	12/18/2018	Selenium	< 5	UG/L
BCVWD-23	12/15/2021	Selenium	< 5	UG/L
BCVWD-23	12/18/2018	Silver	< 10	UG/L
BCVWD-23	12/15/2021	Silver	< 10	UG/L
BCVWD-23	12/18/2018	Sodium	21	MG/L
BCVWD-23	12/15/2021	Sodium	20	MG/L
BCVWD-23	12/18/2018	Specific Conductivity	440	UMHOS/CM
BCVWD-23	12/15/2021	Specific Conductivity	470	UMHO/CM
BCVWD-23	12/18/2018	Sulfate	19	MG/L
BCVWD-23	12/15/2021	Sulfate	25	MG/L
BCVWD-23	12/18/2018	Tetrachloroethene (PCE)	< 0.5	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-23	12/15/2021	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-23	12/18/2018	Thallium	< 1	UG/L
BCVWD-23	12/15/2021	Thallium	< 1	UG/L
BCVWD-23	12/18/2018	Total Dissolved Solids	260	MG/L
BCVWD-23	12/15/2021	Total Dissolved Solids	270	MG/L
BCVWD-23	12/18/2018	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-23	12/15/2021	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-23	12/18/2018	Zinc	< 50	MG/L
BCVWD-23	12/15/2021	Zinc	< 50	UG/L
BCVWD-24	12/4/2019	Alkalinity, Total	160	MG/L
BCVWD-24	11/30/2022	Alkalinity, Total	170	MG/L
BCVWD-24	12/4/2019	Aluminum	< 50	UG/L
BCVWD-24	11/30/2022	Aluminum	< 50	UG/L
BCVWD-24	12/18/2018	Arsenic	< 2	UG/L
BCVWD-24	12/4/2019	Arsenic	< 2	UG/L
BCVWD-24	11/30/2022	Arsenic	< 2	UG/L
BCVWD-24	12/4/2019	Barium	< 0.1	MG/L
BCVWD-24	11/30/2022	Barium	< 0.1	MG/L
BCVWD-24	12/4/2019	Beryllium	< 1	UG/L
BCVWD-24	11/30/2022	Beryllium	< 1	UG/L
BCVWD-24	12/4/2019	Cadmium	< 0.001	MG/L
BCVWD-24	11/30/2022	Cadmium	< 0.001	MG/L
BCVWD-24	12/4/2019	Calcium	35	MG/L
BCVWD-24	11/30/2022	Calcium	38	MG/L
BCVWD-24	12/4/2019	Chloride	6.6	MG/L
BCVWD-24	11/30/2022	Chloride	6.7	MG/L
BCVWD-24	12/4/2019	Chromium	< 10	UG/L
BCVWD-24	11/30/2022	Chromium	< 10	UG/L
BCVWD-24	12/4/2019	Copper, Free	< 0.05	MG/L
BCVWD-24	11/30/2022	Copper, Free	< 0.05	MG/L
BCVWD-24	12/4/2019	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-24	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-24	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-24	12/4/2019	Fluoride	0.35	MG/L
BCVWD-24	11/30/2022	Fluoride	0.38	MG/L
BCVWD-24	12/4/2019	Hardness, Total (as CaCO3)	140	MG/L
BCVWD-24	11/30/2022	Hardness, Total (as CaCO3)	150	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-24	12/4/2019	Iron	< 100	UG/L
BCVWD-24	11/30/2022	Iron	< 100	UG/L
BCVWD-24	12/4/2019	Lead	< 5	UG/L
BCVWD-24	11/30/2022	Lead	< 5	UG/L
BCVWD-24	12/4/2019	Magnesium	12	MG/L
BCVWD-24	11/30/2022	Magnesium	13	MG/L
BCVWD-24	12/4/2019	Manganese	< 20	UG/L
BCVWD-24	11/30/2022	Manganese	< 20	UG/L
BCVWD-24	12/4/2019	Mercury	< 1	UG/L
BCVWD-24	11/30/2022	Mercury	< 1	UG/L
BCVWD-24	12/4/2019	Nickel	< 10	UG/L
BCVWD-24	11/30/2022	Nickel	< 10	UG/L
BCVWD-24	12/18/2018	Nitrate as N	1.8	MG/L
BCVWD-24	12/4/2019	Nitrate as N	1.7	MG/L
BCVWD-24	12/10/2020	Nitrate as N	1.0	MG/L
BCVWD-24	12/9/2021	Nitrate as N	1.6	MG/L
BCVWD-24	11/30/2022	Nitrate as N	1.9	MG/L
BCVWD-24	12/4/2019	Nitrite as N	< 0.4	MG/L
BCVWD-24	11/30/2022	Nitrite as N	< 0.4	MG/L
BCVWD-24	12/4/2019	Perchlorate	< 2	UG/L
BCVWD-24	11/30/2022	Perchlorate	< 2	UG/L
BCVWD-24	12/4/2019	pH	8.2	PH
BCVWD-24	11/30/2022	pH	7.9	PH
BCVWD-24	12/4/2019	Potassium	1.3	MG/L
BCVWD-24	11/30/2022	Potassium	1.6	MG/L
BCVWD-24	12/4/2019	Selenium	< 5	UG/L
BCVWD-24	11/30/2022	Selenium	< 5	UG/L
BCVWD-24	12/4/2019	Silver	< 10	UG/L
BCVWD-24	11/30/2022	Silver	< 10	UG/L
BCVWD-24	12/4/2019	Sodium	17	MG/L
BCVWD-24	11/30/2022	Sodium	19	MG/L
BCVWD-24	12/4/2019	Specific Conductivity	350	UMHO/CM
BCVWD-24	11/30/2022	Specific Conductivity	310	UMHO/CM
BCVWD-24	12/4/2019	Sulfate	11	MG/L
BCVWD-24	11/30/2022	Sulfate	11	MG/L
BCVWD-24	12/4/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-24	11/30/2022	Tetrachloroethene (PCE)	< 0.5	UG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-24	12/4/2019	Thallium	< 1	UG/L
BCVWD-24	11/30/2022	Thallium	< 1	UG/L
BCVWD-24	12/4/2019	Total Dissolved Solids	200	MG/L
BCVWD-24	11/30/2022	Total Dissolved Solids	200	MG/L
BCVWD-24	12/4/2019	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-24	11/30/2022	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-24	12/18/2018	Uranium	0.318	pCi/L
BCVWD-24	12/4/2019	Zinc	< 50	UG/L
BCVWD-24	11/30/2022	Zinc	< 50	UG/L
BCVWD-25	12/18/2018	Alkalinity, Total	180	MG/L
BCVWD-25	12/15/2021	Alkalinity, Total	180	MG/L
BCVWD-25	12/18/2018	Aluminum	< 50	UG/L
BCVWD-25	12/15/2021	Aluminum	< 50	UG/L
BCVWD-25	12/18/2018	Antimony	< 6	UG/L
BCVWD-25	12/18/2018	Arsenic	< 2	UG/L
BCVWD-25	12/15/2021	Arsenic	< 2	UG/L
BCVWD-25	12/18/2018	Barium	< 0.1	MG/L
BCVWD-25	12/15/2021	Barium	< 0.1	MG/L
BCVWD-25	12/18/2018	Beryllium	< 1	UG/L
BCVWD-25	12/15/2021	Beryllium	< 1	UG/L
BCVWD-25	12/18/2018	Cadmium	< 0.001	MG/L
BCVWD-25	12/15/2021	Cadmium	< 0.001	MG/L
BCVWD-25	12/18/2018	Calcium	43	MG/L
BCVWD-25	12/15/2021	Calcium	43	MG/L
BCVWD-25	12/18/2018	Chloride	9.7	MG/L
BCVWD-25	12/15/2021	Chloride	11	MG/L
BCVWD-25	12/18/2018	Chromium	12	UG/L
BCVWD-25	12/15/2021	Chromium	11	UG/L
BCVWD-25	12/18/2018	Copper, Free	< 0.05	MG/L
BCVWD-25	12/15/2021	Copper, Free	< 0.05	MG/L
BCVWD-25	12/18/2018	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-25	12/15/2021	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-25	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-25	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-25	12/18/2018	Fluoride	0.23	MG/L
BCVWD-25	12/15/2021	Fluoride	0.24	MG/L
BCVWD-25	12/18/2018	Hardness, Total (as CaCO3)	160	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-25	12/15/2021	Hardness, Total (as CaCO3)	160	MG/L
BCVWD-25	12/18/2018	Iron	100	UG/L
BCVWD-25	12/15/2021	Iron	< 100	UG/L
BCVWD-25	12/18/2018	Lead	< 5	UG/L
BCVWD-25	12/15/2021	Lead	< 5	UG/L
BCVWD-25	12/18/2018	Magnesium	13	MG/L
BCVWD-25	12/15/2021	Magnesium	13	MG/L
BCVWD-25	12/18/2018	Manganese	< 20	UG/L
BCVWD-25	12/15/2021	Manganese	< 20	UG/L
BCVWD-25	12/18/2018	Mercury	< 1	UG/L
BCVWD-25	12/15/2021	Mercury	< 1	UG/L
BCVWD-25	12/18/2018	Nickel	< 10	UG/L
BCVWD-25	12/15/2021	Nickel	< 10	UG/L
BCVWD-25	12/18/2018	Nitrate as N	1.1	MG/L
BCVWD-25	12/4/2019	Nitrate as N	0.8	MG/L
BCVWD-25	12/10/2020	Nitrate as N	1.1	MG/L
BCVWD-25	12/15/2021	Nitrate as N	1.4	MG/L
BCVWD-25	11/30/2022	Nitrate as N	1.2	MG/L
BCVWD-25	12/18/2018	Nitrite as N	0.4	MG/L
BCVWD-25	12/15/2021	Nitrite as N	< 0.4	MG/L
BCVWD-25	12/18/2018	Perchlorate	< 2	UG/L
BCVWD-25	12/15/2021	Perchlorate	< 2	UG/L
BCVWD-25	12/18/2018	pH	8.3	PH UNITS
BCVWD-25	12/15/2021	pH	8.1	PH
BCVWD-25	12/18/2018	Potassium	1.5	MG/L
BCVWD-25	12/15/2021	Potassium	1.6	MG/L
BCVWD-25	12/18/2018	Selenium	< 5	UG/L
BCVWD-25	12/15/2021	Selenium	< 5	UG/L
BCVWD-25	12/18/2018	Silver	< 10	UG/L
BCVWD-25	12/15/2021	Silver	< 10	UG/L
BCVWD-25	12/18/2018	Sodium	22	MG/L
BCVWD-25	12/15/2021	Sodium	21	MG/L
BCVWD-25	12/18/2018	Specific Conductivity	400	UMHOS/CM
BCVWD-25	12/15/2021	Specific Conductivity	370	UMHO/CM
BCVWD-25	12/18/2018	Sulfate	13	MG/L
BCVWD-25	12/15/2021	Sulfate	16	MG/L
BCVWD-25	12/18/2018	Tetrachloroethene (PCE)	< 0.5	UG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-25	12/15/2021	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-25	12/18/2018	Thallium	< 1	UG/L
BCVWD-25	12/15/2021	Thallium	< 1	UG/L
BCVWD-25	12/18/2018	Total Dissolved Solids	230	MG/L
BCVWD-25	12/15/2021	Total Dissolved Solids	220	MG/L
BCVWD-25	12/18/2018	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-25	12/15/2021	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-25	12/18/2018	Zinc	< 50	MG/L
BCVWD-25	12/15/2021	Zinc	< 50	UG/L
BCVWD-26	12/18/2018	Alkalinity, Total	160	MG/L
BCVWD-26	12/18/2018	Aluminum	< 50	UG/L
BCVWD-26	12/18/2018	Antimony	< 6	UG/L
BCVWD-26	12/18/2018	Arsenic	< 2	UG/L
BCVWD-26	12/18/2018	Barium	< 0.1	MG/L
BCVWD-26	12/18/2018	Beryllium	< 1	UG/L
BCVWD-26	12/18/2018	Cadmium	< 0.001	MG/L
BCVWD-26	12/18/2018	Calcium	33	MG/L
BCVWD-26	12/18/2018	Chloride	8.8	MG/L
BCVWD-26	12/18/2018	Chromium	16	UG/L
BCVWD-26	12/18/2018	Copper, Free	< 0.05	MG/L
BCVWD-26	12/18/2018	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-26	12/18/2018	Fluoride	0.28	MG/L
BCVWD-26	12/18/2018	Hardness, Total (as CaCO3)	120	MG/L
BCVWD-26	12/18/2018	Iron	100	UG/L
BCVWD-26	12/18/2018	Lead	< 5	UG/L
BCVWD-26	12/18/2018	Magnesium	9.2	MG/L
BCVWD-26	12/18/2018	Manganese	< 20	UG/L
BCVWD-26	12/18/2018	Mercury	< 1	UG/L
BCVWD-26	12/18/2018	Nickel	< 10	UG/L
BCVWD-26	12/18/2018	Nitrate as N	0.9	MG/L
BCVWD-26	12/4/2019	Nitrate as N	0.6	MG/L
BCVWD-26	12/10/2020	Nitrate as N	0.7	MG/L
BCVWD-26	12/9/2021	Nitrate as N	0.7	MG/L
BCVWD-26	11/30/2022	Nitrate as N	1.0	MG/L
BCVWD-26	12/18/2018	Nitrite as N	0.4	MG/L
BCVWD-26	12/18/2018	Perchlorate	< 2	UG/L
BCVWD-26	12/18/2018	pH	8.3	PH UNITS

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-26	12/18/2018	Potassium	1.5	MG/L
BCVWD-26	12/18/2018	Selenium	< 5	UG/L
BCVWD-26	12/18/2018	Silver	< 10	UG/L
BCVWD-26	12/18/2018	Sodium	26	MG/L
BCVWD-26	12/18/2018	Specific Conductivity	340	UMHOS/CM
BCVWD-26	12/18/2018	Sulfate	10	MG/L
BCVWD-26	12/18/2018	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-26	12/18/2018	Thallium	< 1	UG/L
BCVWD-26	12/18/2018	Total Dissolved Solids	180	MG/L
BCVWD-26	12/18/2018	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-26	12/18/2018	Zinc	< 50	MG/L
BCVWD-29	12/18/2018	Alkalinity, Total	130	MG/L
BCVWD-29	12/15/2021	Alkalinity, Total	160	MG/L
BCVWD-29	12/18/2018	Aluminum	< 50	UG/L
BCVWD-29	12/15/2021	Aluminum	< 50	UG/L
BCVWD-29	12/18/2018	Antimony	< 6	UG/L
BCVWD-29	12/18/2018	Arsenic	< 2	UG/L
BCVWD-29	12/15/2021	Arsenic	< 2	UG/L
BCVWD-29	12/18/2018	Barium	< 0.1	MG/L
BCVWD-29	12/15/2021	Barium	0.02	MG/L
BCVWD-29	12/18/2018	Beryllium	< 1	UG/L
BCVWD-29	12/15/2021	Beryllium	< 1	UG/L
BCVWD-29	12/18/2018	Cadmium	< 0.001	MG/L
BCVWD-29	12/15/2021	Cadmium	< 0.001	MG/L
BCVWD-29	12/18/2018	Calcium	39	MG/L
BCVWD-29	12/15/2021	Calcium	41	MG/L
BCVWD-29	12/18/2018	Chloride	11	MG/L
BCVWD-29	12/15/2021	Chloride	15	MG/L
BCVWD-29	12/18/2018	Chromium	10	UG/L
BCVWD-29	12/15/2021	Chromium	7.6	UG/L
BCVWD-29	12/18/2018	Copper, Free	< 0.05	MG/L
BCVWD-29	12/15/2021	Copper, Free	< 0.05	MG/L
BCVWD-29	12/18/2018	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-29	12/15/2021	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-29	12/18/2018	Fluoride	0.3	MG/L
BCVWD-29	12/15/2021	Fluoride	0.33	MG/L
BCVWD-29	12/18/2018	Hardness, Total (as CaCO3)	150	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-29	12/15/2021	Hardness, Total (as CaCO ₃)	160	MG/L
BCVWD-29	12/18/2018	Iron	100	UG/L
BCVWD-29	12/15/2021	Iron	< 100	UG/L
BCVWD-29	12/18/2018	Lead	< 5	UG/L
BCVWD-29	12/15/2021	Lead	< 5	UG/L
BCVWD-29	12/18/2018	Magnesium	13	MG/L
BCVWD-29	12/15/2021	Magnesium	14	MG/L
BCVWD-29	12/18/2018	Manganese	< 20	UG/L
BCVWD-29	12/15/2021	Manganese	< 20	UG/L
BCVWD-29	12/18/2018	Mercury	< 1	UG/L
BCVWD-29	12/15/2021	Mercury	< 1	UG/L
BCVWD-29	12/18/2018	Nickel	< 10	UG/L
BCVWD-29	12/15/2021	Nickel	< 10	UG/L
BCVWD-29	12/18/2018	Nitrate as N	1.8	MG/L
BCVWD-29	12/4/2019	Nitrate as N	1.8	MG/L
BCVWD-29	12/10/2020	Nitrate as N	2.4	MG/L
BCVWD-29	12/15/2021	Nitrate as N	2.1	MG/L
BCVWD-29	11/30/2022	Nitrate as N	2.8	MG/L
BCVWD-29	12/18/2018	Nitrite as N	0.4	MG/L
BCVWD-29	12/15/2021	Nitrite as N	< 0.4	MG/L
BCVWD-29	12/18/2018	Perchlorate	< 2	UG/L
BCVWD-29	12/15/2021	Perchlorate	< 2	UG/L
BCVWD-29	12/18/2018	pH	8.2	PH UNITS
BCVWD-29	12/15/2021	pH	8.1	PH
BCVWD-29	12/18/2018	Potassium	1.6	MG/L
BCVWD-29	12/15/2021	Potassium	1.7	MG/L
BCVWD-29	12/18/2018	Selenium	< 5	UG/L
BCVWD-29	12/15/2021	Selenium	< 5	UG/L
BCVWD-29	12/18/2018	Silver	< 10	UG/L
BCVWD-29	12/15/2021	Silver	< 10	UG/L
BCVWD-29	12/18/2018	Sodium	19	MG/L
BCVWD-29	12/15/2021	Sodium	19	MG/L
BCVWD-29	12/18/2018	Specific Conductivity	360	UMHOS/CM
BCVWD-29	12/15/2021	Specific Conductivity	360	UMHO/CM
BCVWD-29	12/18/2018	Sulfate	11	MG/L
BCVWD-29	12/15/2021	Sulfate	12	MG/L
BCVWD-29	12/18/2018	Tetrachloroethene (PCE)	< 0.5	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-29	12/15/2021	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-29	12/18/2018	Thallium	< 1	UG/L
BCVWD-29	12/15/2021	Thallium	< 1	UG/L
BCVWD-29	12/18/2018	Total Dissolved Solids	210	MG/L
BCVWD-29	12/15/2021	Total Dissolved Solids	210	MG/L
BCVWD-29	12/18/2018	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-29	12/15/2021	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-29	12/18/2018	Zinc	< 50	MG/L
BCVWD-29	12/15/2021	Zinc	< 50	UG/L
BCVWD-3	12/16/2020	Alkalinity, Total	160	MG/L
BCVWD-3	12/16/2020	Aluminum	< 50	UG/L
BCVWD-3	12/16/2020	Arsenic	< 2	UG/L
BCVWD-3	12/16/2020	Barium	< 0.1	MG/L
BCVWD-3	12/16/2020	Beryllium	< 1	UG/L
BCVWD-3	12/16/2020	Cadmium	< 0.001	MG/L
BCVWD-3	12/16/2020	Calcium	35	MG/L
BCVWD-3	12/16/2020	Chloride	8	MG/L
BCVWD-3	12/16/2020	Chromium	11	UG/L
BCVWD-3	12/16/2020	Copper, Free	< 0.05	MG/L
BCVWD-3	12/16/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-3	3/22/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-3	9/28/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-3	12/16/2020	Fluoride	0.32	MG/L
BCVWD-3	12/16/2020	Hardness, Total (as CaCO3)	120	MG/L
BCVWD-3	12/16/2020	Iron	< 100	UG/L
BCVWD-3	12/16/2020	Lead	< 5	UG/L
BCVWD-3	12/16/2020	Magnesium	8.5	MG/L
BCVWD-3	12/16/2020	Manganese	< 20	UG/L
BCVWD-3	12/16/2020	Mercury	< 1	UG/L
BCVWD-3	12/16/2020	Nickel	< 10	UG/L
BCVWD-3	12/20/2018	Nitrate as N	0.4	MG/L
BCVWD-3	12/16/2020	Nitrate as N	0.9	MG/L
BCVWD-3	12/9/2021	Nitrate as N	0.9	MG/L
BCVWD-3	11/30/2022	Nitrate as N	1.0	MG/L
BCVWD-3	12/16/2020	Nitrite as N	< 0.4	MG/L
BCVWD-3	12/16/2020	Perchlorate	< 2	UG/L
BCVWD-3	12/16/2020	pH	8.1	PH

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-3	12/16/2020	Potassium	1.5	MG/L
BCVWD-3	12/16/2020	Selenium	< 5	UG/L
BCVWD-3	12/16/2020	Silver	< 10	UG/L
BCVWD-3	12/16/2020	Sodium	23	MG/L
BCVWD-3	12/16/2020	Specific Conductivity	350	UMHO/CM
BCVWD-3	12/16/2020	Sulfate	11	MG/L
BCVWD-3	12/16/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-3	12/16/2020	Thallium	< 1	UG/L
BCVWD-3	12/16/2020	Total Dissolved Solids	190	MG/L
BCVWD-3	12/16/2020	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-3	12/16/2020	Zinc	< 50	UG/L
BCVWD-4A	11/28/2018	Alkalinity, Total	180	MG/L
BCVWD-4A	12/9/2021	Alkalinity, Total	180	MG/L
BCVWD-4A	11/28/2018	Aluminum	< 50	UG/L
BCVWD-4A	12/9/2021	Aluminum	< 50	UG/L
BCVWD-4A	11/28/2018	Antimony	< 6	UG/L
BCVWD-4A	11/28/2018	Arsenic	< 2	UG/L
BCVWD-4A	12/9/2021	Arsenic	< 2	UG/L
BCVWD-4A	11/28/2018	Barium	< 0.1	MG/L
BCVWD-4A	12/9/2021	Barium	0.025	MG/L
BCVWD-4A	11/28/2018	Beryllium	< 1	UG/L
BCVWD-4A	12/9/2021	Beryllium	< 1	UG/L
BCVWD-4A	11/28/2018	Cadmium	< 0.001	MG/L
BCVWD-4A	12/9/2021	Cadmium	< 0.001	MG/L
BCVWD-4A	11/28/2018	Calcium	59	MG/L
BCVWD-4A	12/9/2021	Calcium	64	MG/L
BCVWD-4A	11/28/2018	Chloride	25	MG/L
BCVWD-4A	12/9/2021	Chloride	28	MG/L
BCVWD-4A	11/28/2018	Chromium	10	UG/L
BCVWD-4A	12/9/2021	Chromium	1.2	UG/L
BCVWD-4A	11/28/2018	Copper, Free	< 0.05	MG/L
BCVWD-4A	12/9/2021	Copper, Free	< 0.05	MG/L
BCVWD-4A	12/10/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-4A	3/31/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-4A	9/29/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-4A	11/28/2018	Fluoride	0.43	MG/L
BCVWD-4A	12/9/2021	Fluoride	0.48	MG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
BCVWD-4A	11/28/2018	Hardness, Total (as CaCO ₃)	230	MG/L
BCVWD-4A	12/9/2021	Hardness, Total (as CaCO ₃)	250	MG/L
BCVWD-4A	11/28/2018	Iron	100	UG/L
BCVWD-4A	12/9/2021	Iron	< 100	UG/L
BCVWD-4A	11/28/2018	Lead	< 5	UG/L
BCVWD-4A	12/9/2021	Lead	< 5	UG/L
BCVWD-4A	11/28/2018	Magnesium	19	MG/L
BCVWD-4A	12/9/2021	Magnesium	20	MG/L
BCVWD-4A	11/28/2018	Manganese	< 20	UG/L
BCVWD-4A	12/9/2021	Manganese	< 20	UG/L
BCVWD-4A	11/28/2018	Mercury	< 1	UG/L
BCVWD-4A	12/9/2021	Mercury	< 1	UG/L
BCVWD-4A	11/28/2018	Nickel	< 10	UG/L
BCVWD-4A	12/9/2021	Nickel	< 10	UG/L
BCVWD-4A	11/28/2018	Nitrate as N	2.1	MG/L
BCVWD-4A	12/10/2020	Nitrate as N	2.1	MG/L
BCVWD-4A	12/9/2021	Nitrate as N	2.3	MG/L
BCVWD-4A	11/29/2022	Nitrate as N	2.3	MG/L
BCVWD-4A	11/28/2018	Nitrite as N	0.4	MG/L
BCVWD-4A	12/9/2021	Nitrite as N	< 0.4	MG/L
BCVWD-4A	11/28/2018	Perchlorate	< 2	UG/L
BCVWD-4A	12/9/2021	Perchlorate	< 2	UG/L
BCVWD-4A	11/28/2018	pH	8.1	PH UNITS
BCVWD-4A	12/9/2021	pH	8.1	PH
BCVWD-4A	11/28/2018	Potassium	1.7	MG/L
BCVWD-4A	12/9/2021	Potassium	1.8	MG/L
BCVWD-4A	11/28/2018	Selenium	< 5	UG/L
BCVWD-4A	12/9/2021	Selenium	< 5	UG/L
BCVWD-4A	11/28/2018	Silver	< 10	UG/L
BCVWD-4A	12/9/2021	Silver	< 10	UG/L
BCVWD-4A	11/28/2018	Sodium	24	MG/L
BCVWD-4A	12/9/2021	Sodium	26	MG/L
BCVWD-4A	11/28/2018	Specific Conductivity	540	UMHOS/CM
BCVWD-4A	12/9/2021	Specific Conductivity	530	UMHO/CM
BCVWD-4A	11/28/2018	Sulfate	48	MG/L
BCVWD-4A	12/9/2021	Sulfate	60	MG/L
BCVWD-4A	12/10/2020	Tetrachloroethene (PCE)	< 0.5	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-4A	11/28/2018	Thallium	< 1	UG/L
BCVWD-4A	12/9/2021	Thallium	< 1	UG/L
BCVWD-4A	11/28/2018	Total Dissolved Solids	300	MG/L
BCVWD-4A	12/9/2021	Total Dissolved Solids	310	MG/L
BCVWD-4A	12/10/2020	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-4A	11/28/2018	Uranium	2.56	pCi/L
BCVWD-4A	11/28/2018	Zinc	< 50	MG/L
BCVWD-4A	12/9/2021	Zinc	< 50	UG/L
BCVWD-5	11/28/2018	Alkalinity, Total	160	MG/L
BCVWD-5	12/9/2021	Alkalinity, Total	160	MG/L
BCVWD-5	11/28/2018	Aluminum	< 50	UG/L
BCVWD-5	12/9/2021	Aluminum	< 50	UG/L
BCVWD-5	11/28/2018	Antimony	< 6	UG/L
BCVWD-5	11/28/2018	Arsenic	< 2	UG/L
BCVWD-5	12/9/2021	Arsenic	< 2	UG/L
BCVWD-5	11/28/2018	Barium	< 0.1	MG/L
BCVWD-5	12/9/2021	Barium		UG/L
BCVWD-5	11/28/2018	Beryllium	< 1	UG/L
BCVWD-5	12/9/2021	Beryllium	< 1	UG/L
BCVWD-5	11/28/2018	Cadmium	< 0.001	MG/L
BCVWD-5	12/9/2021	Cadmium	< 0.001	MG/L
BCVWD-5	11/28/2018	Calcium	50	MG/L
BCVWD-5	12/9/2021	Calcium	53	MG/L
BCVWD-5	11/28/2018	Chloride	15	MG/L
BCVWD-5	12/9/2021	Chloride	17	MG/L
BCVWD-5	11/28/2018	Chromium	10	UG/L
BCVWD-5	12/9/2021	Chromium	< 10	UG/L
BCVWD-5	11/28/2018	Copper, Free	< 0.05	MG/L
BCVWD-5	12/9/2021	Copper, Free	< 0.05	MG/L
BCVWD-5	12/10/2020	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-5	3/31/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-5	9/29/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
BCVWD-5	11/28/2018	Fluoride	0.44	MG/L
BCVWD-5	12/9/2021	Fluoride	0.49	MG/L
BCVWD-5	11/28/2018	Hardness, Total (as CaCO3)	190	MG/L
BCVWD-5	12/9/2021	Hardness, Total (as CaCO3)	200	MG/L
BCVWD-5	11/28/2018	Iron	100	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-5	12/9/2021	Iron	< 100	UG/L
BCVWD-5	11/28/2018	Lead	< 5	UG/L
BCVWD-5	12/9/2021	Lead	< 5	UG/L
BCVWD-5	11/28/2018	Magnesium	16	MG/L
BCVWD-5	12/9/2021	Magnesium	16	MG/L
BCVWD-5	11/28/2018	Manganese	< 20	UG/L
BCVWD-5	12/9/2021	Manganese	< 20	UG/L
BCVWD-5	11/28/2018	Mercury	< 1	UG/L
BCVWD-5	12/9/2021	Mercury	< 1	UG/L
BCVWD-5	11/28/2018	Nickel	< 10	UG/L
BCVWD-5	12/9/2021	Nickel	< 10	UG/L
BCVWD-5	11/28/2018	Nitrate as N	2.6	MG/L
BCVWD-5	12/3/2019	Nitrate as N	2.6	MG/L
BCVWD-5	12/10/2020	Nitrate as N	2.9	MG/L
BCVWD-5	12/9/2021	Nitrate as N	2.9	MG/L
BCVWD-5	11/29/2022	Nitrate as N	2.9	MG/L
BCVWD-5	11/28/2018	Nitrite as N	0.4	MG/L
BCVWD-5	12/9/2021	Nitrite as N	< 0.4	MG/L
BCVWD-5	11/28/2018	Perchlorate	< 2	UG/L
BCVWD-5	12/9/2021	Perchlorate	< 2	UG/L
BCVWD-5	11/28/2018	pH	8.0	PH UNITS
BCVWD-5	12/9/2021	pH	8.0	PH
BCVWD-5	11/28/2018	Potassium	1.5	MG/L
BCVWD-5	12/9/2021	Potassium	1.7	MG/L
BCVWD-5	11/28/2018	Selenium	< 5	UG/L
BCVWD-5	12/9/2021	Selenium	< 5	UG/L
BCVWD-5	11/28/2018	Silver	< 10	UG/L
BCVWD-5	12/9/2021	Silver	< 10	UG/L
BCVWD-5	11/28/2018	Sodium	21	MG/L
BCVWD-5	12/9/2021	Sodium	22	MG/L
BCVWD-5	11/28/2018	Specific Conductivity	450	UMHOS/CM
BCVWD-5	12/9/2021	Specific Conductivity	430	UMHO/CM
BCVWD-5	11/28/2018	Sulfate	33	MG/L
BCVWD-5	12/9/2021	Sulfate	37	MG/L
BCVWD-5	12/10/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
BCVWD-5	11/28/2018	Thallium	< 1	UG/L
BCVWD-5	12/9/2021	Thallium	< 1	UG/L

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Well	Sample Date	Chemical	Concentration	Units
BCVWD-5	11/28/2018	Total Dissolved Solids	250	MG/L
BCVWD-5	12/9/2021	Total Dissolved Solids	240	MG/L
BCVWD-5	12/10/2020	Trichloroethylene (TCE)	< 0.5	UG/L
BCVWD-5	11/28/2018	Zinc	< 50	MG/L
BCVWD-5	12/9/2021	Zinc	< 50	UG/L
Plantation-1	3/24/2020	Alkalinity, Total	190	MG/L
Plantation-1	3/24/2020	Aluminum	< 50	UG/L
Plantation-1	3/24/2020	Arsenic	< 2	UG/L
Plantation-1	3/24/2020	Barium	< 0.1	MG/L
Plantation-1	3/24/2020	Beryllium	< 1	UG/L
Plantation-1	3/24/2020	Cadmium	< 0.001	MG/L
Plantation-1	3/24/2020	Calcium	52	MG/L
Plantation-1	3/24/2020	Chloride	17	MG/L
Plantation-1	3/24/2020	Chromium	< 10	UG/L
Plantation-1	3/24/2020	Copper, Free	< 0.05	MG/L
Plantation-1	3/24/2020	Fluoride	0.41	MG/L
Plantation-1	3/24/2020	Hardness, Total (as CaCO3)	210	MG/L
Plantation-1	3/24/2020	Iron	< 100	UG/L
Plantation-1	3/24/2020	Lead	< 5	UG/L
Plantation-1	3/24/2020	Magnesium	18	MG/L
Plantation-1	3/3/2022	Manganese	< 20	UG/L
Plantation-1	3/24/2020	Mercury	< 1	UG/L
Plantation-1	3/24/2020	Nickel	< 10	UG/L
Plantation-1	7/23/2018	Nitrate as N	2.0	MG/L
Plantation-1	7/22/2019	Nitrate as N	2.0	MG/L
Plantation-1	12/16/2020	Nitrate as N	2.2	MG/L
Plantation-1	12/20/2021	Nitrate as N	2.1	MG/L
Plantation-1	12/21/2022	Nitrate as N	2.0	MG/L
Plantation-1	3/24/2020	Nitrite as N	< 0.4	MG/L
Plantation-1	3/24/2020	Perchlorate	< 2	UG/L
Plantation-1	3/24/2020	pH	7.5	PH
Plantation-1	3/24/2020	Selenium	< 5	UG/L
Plantation-1	3/24/2020	Silver	< 10	UG/L
Plantation-1	3/24/2020	Sodium	19	MG/L
Plantation-1	3/24/2020	Specific Conductivity	450	UMHO/CM
Plantation-1	3/24/2020	Sulfate	12	MG/L
Plantation-1	3/24/2020	Thallium	< 1	UG/L

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Well	Sample Date	Chemical	Concentration	Units
Plantation-1	3/24/2020	Total Dissolved Solids	260	MG/L
Plantation-1	3/24/2020	Zinc	< 50	UG/L
RCMHP-1	4/29/2019	Alkalinity, Total	190	MG/L
RCMHP-1	4/29/2019	Aluminum	< 50	UG/L
RCMHP-1	4/29/2019	Arsenic	< 2	UG/L
RCMHP-1	4/29/2019	Barium	< 0.1	MG/L
RCMHP-1	4/29/2019	Beryllium	< 1	UG/L
RCMHP-1	4/29/2019	Cadmium	< 0.001	MG/L
RCMHP-1	4/29/2019	Calcium	42	MG/L
RCMHP-1	4/29/2019	Chloride	23	MG/L
RCMHP-1	4/29/2019	Chromium	< 10	UG/L
RCMHP-1	4/29/2019	Copper, Free	< 0.05	MG/L
RCMHP-1	4/29/2019	Fluoride	0.55	MG/L
RCMHP-1	4/29/2019	Hardness, Total (as CaCO3)	170	MG/L
RCMHP-1	4/29/2019	Iron	< 100	UG/L
RCMHP-1	4/29/2019	Lead	< 5	UG/L
RCMHP-1	4/29/2019	Magnesium	15	MG/L
RCMHP-1	4/29/2019	Manganese	< 20	UG/L
RCMHP-1	4/29/2019	Mercury	< 1	UG/L
RCMHP-1	4/29/2019	Nickel	< 10	UG/L
RCMHP-1	1/22/2018	Nitrate as N	2.9	MG/L
RCMHP-1	1/3/2019	Nitrate as N	5.5	MG/L
RCMHP-1	10/7/2019	Nitrate as N	5.3	MG/L
RCMHP-1	1/13/2020	Nitrate as N	5.2	MG/L
RCMHP-1	7/6/2020	Nitrate as N	4.7	MG/L
RCMHP-1	10/5/2020	Nitrate as N	5.2	MG/L
RCMHP-1	1/18/2021	Nitrate as N	5.2	MG/L
RCMHP-1	5/10/2021	Nitrate as N	5.2	MG/L
RCMHP-1	8/2/2021	Nitrate as N	4.8	MG/L
RCMHP-1	10/18/2021	Nitrate as N	3.0	MG/L
RCMHP-1	2/7/2022	Nitrate as N	4.8	MG/L
RCMHP-1	4/22/2022	Nitrate as N	4.7	MG/L
RCMHP-1	7/18/2022	Nitrate as N	4.6	MG/L
RCMHP-1	4/29/2019	Nitrite as N	< 0.4	MG/L
RCMHP-1	2/7/2022	Nitrite as N	< 0.4	MG/L
RCMHP-1	4/29/2019	Perchlorate	< 2	UG/L
RCMHP-1	4/29/2019	pH	8.2	PH

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Well	Sample Date	Chemical	Concentration	Units
RCMHP-1	4/29/2019	Selenium	< 5	UG/L
RCMHP-1	4/29/2019	Silver	< 10	UG/L
RCMHP-1	4/29/2019	Sodium	27	MG/L
RCMHP-1	4/29/2019	Specific Conductivity	460	UMHO/CM
RCMHP-1	4/29/2019	Sulfate	12	MG/L
RCMHP-1	4/29/2019	Thallium	< 1	UG/L
RCMHP-1	4/29/2019	Total Dissolved Solids	260	MG/L
RCMHP-1	4/29/2019	Zinc	< 50	UG/L
RCMHP-2	4/29/2019	Alkalinity, Total	190	MG/L
RCMHP-2	11/21/2022	Alkalinity, Total	190	MG/L
RCMHP-2	4/29/2019	Aluminum	< 50	UG/L
RCMHP-2	11/21/2022	Aluminum	< 50	UG/L
RCMHP-2	4/29/2019	Arsenic	< 2	UG/L
RCMHP-2	11/21/2022	Arsenic	< 2	UG/L
RCMHP-2	4/29/2019	Barium	< 0.1	MG/L
RCMHP-2	11/21/2022	Barium	< 0.1	MG/L
RCMHP-2	4/29/2019	Beryllium	< 1	UG/L
RCMHP-2	11/21/2022	Beryllium	< 1	UG/L
RCMHP-2	4/29/2019	Cadmium	< 0.001	MG/L
RCMHP-2	11/21/2022	Cadmium	< 0.001	MG/L
RCMHP-2	4/29/2019	Calcium	43	MG/L
RCMHP-2	11/21/2022	Calcium	43	MG/L
RCMHP-2	4/29/2019	Chloride	25	MG/L
RCMHP-2	11/21/2022	Chloride	26	MG/L
RCMHP-2	4/29/2019	Chromium	< 10	UG/L
RCMHP-2	11/21/2022	Chromium	10	UG/L
RCMHP-2	1/22/2018	Chromium, Hexavalent (Cr6)	9.1	UG/L
RCMHP-2	4/18/2018	Chromium, Hexavalent (Cr6)	9.5	UG/L
RCMHP-2	7/5/2018	Chromium, Hexavalent (Cr6)	10	UG/L
RCMHP-2	10/1/2018	Chromium, Hexavalent (Cr6)	8.7	UG/L
RCMHP-2	1/4/2019	Chromium, Hexavalent (Cr6)	12	UG/L
RCMHP-2	4/29/2019	Copper, Free	< 0.05	MG/L
RCMHP-2	11/21/2022	Copper, Free	< 0.05	MG/L
RCMHP-2	4/29/2019	Fluoride	0.63	MG/L
RCMHP-2	11/21/2022	Fluoride	0.59	MG/L
RCMHP-2	4/29/2019	Hardness, Total (as CaCO3)	170	MG/L
RCMHP-2	11/21/2022	Hardness, Total (as CaCO3)	170	MG/L

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Well	Sample Date	Chemical	Concentration	Units
RCMHP-2	4/29/2019	Iron	< 100	UG/L
RCMHP-2	11/21/2022	Iron	< 100	UG/L
RCMHP-2	4/29/2019	Lead	< 5	UG/L
RCMHP-2	11/21/2022	Lead	< 5	UG/L
RCMHP-2	4/29/2019	Magnesium	15	MG/L
RCMHP-2	11/21/2022	Magnesium	16	MG/L
RCMHP-2	4/29/2019	Manganese	< 20	UG/L
RCMHP-2	11/21/2022	Manganese	< 20	UG/L
RCMHP-2	4/29/2019	Mercury	< 1	UG/L
RCMHP-2	11/21/2022	Mercury	< 1	UG/L
RCMHP-2	4/29/2019	Nickel	< 10	UG/L
RCMHP-2	11/21/2022	Nickel	< 10	UG/L
RCMHP-2	1/22/2018	Nitrate as N	4.6	MG/L
RCMHP-2	4/18/2018	Nitrate as N	4.7	MG/L
RCMHP-2	7/5/2018	Nitrate as N	5.9	MG/L
RCMHP-2	10/1/2018	Nitrate as N	6.2	MG/L
RCMHP-2	1/4/2019	Nitrate as N	5.1	MG/L
RCMHP-2	7/1/2019	Nitrate as N	3.1	MG/L
RCMHP-2	11/25/2019	Nitrate as N	5.7	MG/L
RCMHP-2	1/13/2020	Nitrate as N	6.1	MG/L
RCMHP-2	4/20/2020	Nitrate as N	4.8	MG/L
RCMHP-2	7/7/2020	Nitrate as N	6.4	MG/L
RCMHP-2	10/5/2020	Nitrate as N	6.2	MG/L
RCMHP-2	1/18/2021	Nitrate as N	6.1	MG/L
RCMHP-2	5/10/2021	Nitrate as N	5.9	MG/L
RCMHP-2	8/2/2021	Nitrate as N	5.4	MG/L
RCMHP-2	10/18/2021	Nitrate as N	5.6	MG/L
RCMHP-2	2/7/2022	Nitrate as N	4.5	MG/L
RCMHP-2	4/22/2022	Nitrate as N	3.8	MG/L
RCMHP-2	7/18/2022	Nitrate as N	3.5	MG/L
RCMHP-2	11/21/2022	Nitrate as N	4.6	MG/L
RCMHP-2	4/29/2019	Nitrite as N	< 0.4	MG/L
RCMHP-2	2/7/2022	Nitrite as N	< 0.4	MG/L
RCMHP-2	11/21/2022	Nitrite as N	< 0.4	MG/L
RCMHP-2	4/29/2019	Perchlorate	< 2	UG/L
RCMHP-2	11/21/2022	Perchlorate	< 2	UG/L
RCMHP-2	4/29/2019	pH	8.1	PH

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Well	Sample Date	Chemical	Concentration	Units
RCMHP-2	11/21/2022	pH	8.0	PH
RCMHP-2	11/21/2022	Potassium	1.6	MG/L
RCMHP-2	4/29/2019	Selenium	< 5	UG/L
RCMHP-2	11/21/2022	Selenium	< 5	UG/L
RCMHP-2	4/29/2019	Silver	< 10	UG/L
RCMHP-2	11/21/2022	Silver	< 10	UG/L
RCMHP-2	4/29/2019	Sodium	31	MG/L
RCMHP-2	11/21/2022	Sodium	30	MG/L
RCMHP-2	4/29/2019	Specific Conductivity	460	UMHO/CM
RCMHP-2	11/21/2022	Specific Conductivity	410	UMHO/CM
RCMHP-2	4/29/2019	Sulfate	12	MG/L
RCMHP-2	11/21/2022	Sulfate	13	MG/L
RCMHP-2	11/21/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
RCMHP-2	4/29/2019	Thallium	< 1	UG/L
RCMHP-2	11/21/2022	Thallium	< 1	UG/L
RCMHP-2	4/29/2019	Total Dissolved Solids	270	MG/L
RCMHP-2	11/21/2022	Total Dissolved Solids	250	MG/L
RCMHP-2	4/29/2019	Zinc	< 50	UG/L
RCMHP-2	11/21/2022	Zinc	< 50	UG/L
SMHOA-1	8/10/2018	Alkalinity, Total	230	MG/L
SMHOA-1	11/8/2021	Alkalinity, Total	200	MG/L
SMHOA-1	8/10/2018	Aluminum	< 50	UG/L
SMHOA-1	11/8/2021	Aluminum	< 50	UG/L
SMHOA-1	8/10/2018	Antimony	< 6	UG/L
SMHOA-1	8/10/2018	Arsenic	< 2	UG/L
SMHOA-1	11/8/2021	Arsenic	< 2	UG/L
SMHOA-1	11/21/2022	Asbestos	< 0.2	MFL
SMHOA-1	8/10/2018	Barium	0.043	MG/L
SMHOA-1	11/8/2021	Barium	0.042	MG/L
SMHOA-1	8/10/2018	Beryllium	< 1	UG/L
SMHOA-1	11/8/2021	Beryllium	< 1	UG/L
SMHOA-1	8/10/2018	Cadmium	< 0.001	MG/L
SMHOA-1	11/8/2021	Cadmium	< 0.001	MG/L
SMHOA-1	8/10/2018	Calcium	48	MG/L
SMHOA-1	11/8/2021	Calcium	47	MG/L
SMHOA-1	8/10/2018	Chloride	27	MG/L
SMHOA-1	11/8/2021	Chloride	28	MG/L

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Well	Sample Date	Chemical	Concentration	Units
SMHOA-1	8/10/2018	Chromium	6.3	UG/L
SMHOA-1	11/8/2021	Chromium	6.2	UG/L
SMHOA-1	8/10/2018	Copper, Free	< 0.05	MG/L
SMHOA-1	11/8/2021	Copper, Free	< 0.05	MG/L
SMHOA-1	11/21/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
SMHOA-1	8/10/2018	Fluoride	0.5	MG/L
SMHOA-1	11/8/2021	Fluoride	0.47	MG/L
SMHOA-1	8/10/2018	Hardness, Total (as CaCO3)	190	MG/L
SMHOA-1	11/8/2021	Hardness, Total (as CaCO3)	190	MG/L
SMHOA-1	8/10/2018	Iron	100	UG/L
SMHOA-1	11/8/2021	Iron	< 100	UG/L
SMHOA-1	8/10/2018	Lead	< 5	UG/L
SMHOA-1	11/8/2021	Lead	< 5	UG/L
SMHOA-1	8/10/2018	Magnesium	17	MG/L
SMHOA-1	11/8/2021	Magnesium	17	MG/L
SMHOA-1	8/10/2018	Manganese	< 20	UG/L
SMHOA-1	11/8/2021	Manganese	< 20	UG/L
SMHOA-1	8/10/2018	Mercury	< 1	UG/L
SMHOA-1	11/8/2021	Mercury	< 1	UG/L
SMHOA-1	8/10/2018	Nickel	< 10	UG/L
SMHOA-1	12/20/2021	Nickel	< 10	UG/L
SMHOA-1	1/22/2018	Nitrate as N	5.6	MG/L
SMHOA-1	4/18/2018	Nitrate as N	5.0	MG/L
SMHOA-1	7/5/2018	Nitrate as N	4.2	MG/L
SMHOA-1	8/10/2018	Nitrate as N	4.8	MG/L
SMHOA-1	10/1/2018	Nitrate as N	4.3	MG/L
SMHOA-1	1/2/2019	Nitrate as N	5.0	MG/L
SMHOA-1	4/29/2019	Nitrate as N	5.1	MG/L
SMHOA-1	7/1/2019	Nitrate as N	4.6	MG/L
SMHOA-1	10/7/2019	Nitrate as N	4.6	MG/L
SMHOA-1	1/13/2020	Nitrate as N	4.7	MG/L
SMHOA-1	4/20/2020	Nitrate as N	5.1	MG/L
SMHOA-1	7/6/2020	Nitrate as N	5.2	MG/L
SMHOA-1	10/5/2020	Nitrate as N	4.9	MG/L
SMHOA-1	1/12/2021	Nitrate as N	6.5	MG/L
SMHOA-1	5/10/2021	Nitrate as N	4.8	MG/L
SMHOA-1	8/2/2021	Nitrate as N	4.8	MG/L

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Well	Sample Date	Chemical	Concentration	Units
SMHOA-1	10/18/2021	Nitrate as N	5.0	MG/L
SMHOA-1	11/8/2021	Nitrate as N	5.0	MG/L
SMHOA-1	1/3/2022	Nitrate as N	6.9	MG/L
SMHOA-1	10/24/2022	Nitrate as N	2.0	MG/L
SMHOA-1	11/21/2022	Nitrate as N	3.3	MG/L
SMHOA-1	4/18/2018	Nitrite as N	< 0.4	MG/L
SMHOA-1	8/10/2018	Nitrite as N	< 0.4	MG/L
SMHOA-1	4/29/2019	Nitrite as N	< 0.4	MG/L
SMHOA-1	11/21/2022	Nitrite as N	< 0.4	MG/L
SMHOA-1	8/10/2018	Perchlorate	< 2	UG/L
SMHOA-1	12/20/2021	Perchlorate	< 2	UG/L
SMHOA-1	8/10/2018	pH	8.4	PH UNITS
SMHOA-1	11/8/2021	pH	8.0	PH
SMHOA-1	11/21/2022	pH	7.9	PH
SMHOA-1	8/10/2018	Selenium	< 5	UG/L
SMHOA-1	12/20/2021	Selenium	< 5	UG/L
SMHOA-1	8/10/2018	Silver	< 10	UG/L
SMHOA-1	11/8/2021	Silver	< 10	UG/L
SMHOA-1	8/10/2018	Sodium	44	MG/L
SMHOA-1	11/8/2021	Sodium	44	MG/L
SMHOA-1	8/10/2018	Specific Conductivity	550	UMHOS/CM
SMHOA-1	11/8/2021	Specific Conductivity	510	UMHO/CM
SMHOA-1	8/10/2018	Sulfate	20	MG/L
SMHOA-1	11/8/2021	Sulfate	21	MG/L
SMHOA-1	4/29/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
SMHOA-1	11/21/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
SMHOA-1	8/10/2018	Thallium	< 1	UG/L
SMHOA-1	12/20/2021	Thallium	< 1	UG/L
SMHOA-1	8/10/2018	Total Dissolved Solids	320	MG/L
SMHOA-1	11/8/2021	Total Dissolved Solids	330	MG/L
SMHOA-1	4/29/2019	Trichloroethylene (TCE)	< 0.5	UG/L
SMHOA-1	11/21/2022	Trichloroethylene (TCE)	< 0.5	UG/L
SMHOA-1	8/10/2018	Zinc	< 50	MG/L
SMHOA-1	11/8/2021	Zinc	< 50	UG/L
SMHOA-2	8/10/2018	Alkalinity, Total	220	MG/L
SMHOA-2	11/8/2021	Alkalinity, Total	200	MG/L
SMHOA-2	8/10/2018	Aluminum	< 50	UG/L

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Well	Sample Date	Chemical	Concentration	Units
SMHOA-2	11/8/2021	Aluminum	< 50	UG/L
SMHOA-2	8/10/2018	Antimony	< 6	UG/L
SMHOA-2	8/10/2018	Arsenic	< 2	UG/L
SMHOA-2	11/8/2021	Arsenic	< 2	UG/L
SMHOA-2	11/21/2022	Asbestos	< 0.2	MFL
SMHOA-2	8/10/2018	Barium	0.043	MG/L
SMHOA-2	11/8/2021	Barium	0.044	MG/L
SMHOA-2	8/10/2018	Beryllium	< 1	UG/L
SMHOA-2	11/8/2021	Beryllium	< 1	UG/L
SMHOA-2	8/10/2018	Cadmium	< 0.001	MG/L
SMHOA-2	11/8/2021	Cadmium	< 0.001	MG/L
SMHOA-2	8/10/2018	Calcium	52	MG/L
SMHOA-2	11/8/2021	Calcium	50	MG/L
SMHOA-2	8/10/2018	Chloride	32	MG/L
SMHOA-2	11/8/2021	Chloride	40	MG/L
SMHOA-2	8/10/2018	Chromium	8.9	UG/L
SMHOA-2	11/8/2021	Chromium	9.5	UG/L
SMHOA-2	8/10/2018	Copper, Free	< 0.05	MG/L
SMHOA-2	11/8/2021	Copper, Free	< 0.05	MG/L
SMHOA-2	11/21/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
SMHOA-2	8/10/2018	Fluoride	0.59	MG/L
SMHOA-2	11/8/2021	Fluoride	0.57	MG/L
SMHOA-2	8/10/2018	Hardness, Total (as CaCO3)	200	MG/L
SMHOA-2	11/8/2021	Hardness, Total (as CaCO3)	200	MG/L
SMHOA-2	8/10/2018	Iron	100	UG/L
SMHOA-2	11/8/2021	Iron	< 100	UG/L
SMHOA-2	8/10/2018	Lead	< 5	UG/L
SMHOA-2	11/8/2021	Lead	< 5	UG/L
SMHOA-2	8/10/2018	Magnesium	18	MG/L
SMHOA-2	11/8/2021	Magnesium	19	MG/L
SMHOA-2	8/10/2018	Manganese	< 20	UG/L
SMHOA-2	11/8/2021	Manganese	< 20	UG/L
SMHOA-2	8/10/2018	Mercury	< 1	UG/L
SMHOA-2	11/8/2021	Mercury	< 1	UG/L
SMHOA-2	8/10/2018	Nickel	< 10	UG/L
SMHOA-2	12/20/2021	Nickel	< 10	UG/L
SMHOA-2	1/22/2018	Nitrate as N	4.6	MG/L

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Well	Sample Date	Chemical	Concentration	Units
SMHOA-2	4/18/2018	Nitrate as N	5.2	MG/L
SMHOA-2	7/5/2018	Nitrate as N	5.4	MG/L
SMHOA-2	8/10/2018	Nitrate as N	4.6	MG/L
SMHOA-2	10/1/2018	Nitrate as N	5.0	MG/L
SMHOA-2	1/2/2019	Nitrate as N	4.6	MG/L
SMHOA-2	4/29/2019	Nitrate as N	5.9	MG/L
SMHOA-2	7/1/2019	Nitrate as N	5.4	MG/L
SMHOA-2	10/7/2019	Nitrate as N	5.1	MG/L
SMHOA-2	1/13/2020	Nitrate as N	5.5	MG/L
SMHOA-2	4/20/2020	Nitrate as N	5.5	MG/L
SMHOA-2	7/6/2020	Nitrate as N	5.3	MG/L
SMHOA-2	10/5/2020	Nitrate as N	5.6	MG/L
SMHOA-2	1/12/2021	Nitrate as N	5.4	MG/L
SMHOA-2	5/10/2021	Nitrate as N	5.6	MG/L
SMHOA-2	8/2/2021	Nitrate as N	5.1	MG/L
SMHOA-2	10/18/2021	Nitrate as N	5.6	MG/L
SMHOA-2	11/8/2021	Nitrate as N	5.8	MG/L
SMHOA-2	1/3/2022	Nitrate as N	5.9	MG/L
SMHOA-2	10/24/2022	Nitrate as N	5.0	MG/L
SMHOA-2	11/21/2022	Nitrate as N	5.5	MG/L
SMHOA-2	4/18/2018	Nitrite as N	< 0.4	MG/L
SMHOA-2	8/10/2018	Nitrite as N	< 0.4	MG/L
SMHOA-2	4/29/2019	Nitrite as N	< 0.4	MG/L
SMHOA-2	11/21/2022	Nitrite as N	< 0.4	MG/L
SMHOA-2	8/10/2018	Perchlorate	< 2	UG/L
SMHOA-2	12/20/2021	Perchlorate	< 2	UG/L
SMHOA-2	8/10/2018	pH	8.3	PH UNITS
SMHOA-2	11/8/2021	pH	7.9	PH
SMHOA-2	11/21/2022	pH	8.0	PH
SMHOA-2	8/10/2018	Selenium	< 5	UG/L
SMHOA-2	12/20/2021	Selenium	< 5	UG/L
SMHOA-2	8/10/2018	Silver	< 10	UG/L
SMHOA-2	11/8/2021	Silver	< 10	UG/L
SMHOA-2	8/10/2018	Sodium	45	MG/L
SMHOA-2	11/8/2021	Sodium	41	MG/L
SMHOA-2	8/10/2018	Specific Conductivity	530	UMHOS/CM
SMHOA-2	11/8/2021	Specific Conductivity	530	UMHO/CM

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Well	Sample Date	Chemical	Concentration	Units
SMHOA-2	8/10/2018	Sulfate	16	MG/L
SMHOA-2	11/8/2021	Sulfate	18	MG/L
SMHOA-2	4/29/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
SMHOA-2	11/21/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
SMHOA-2	8/10/2018	Thallium	< 1	UG/L
SMHOA-2	12/20/2021	Thallium	< 1	UG/L
SMHOA-2	8/10/2018	Total Dissolved Solids	320	MG/L
SMHOA-2	11/8/2021	Total Dissolved Solids	340	MG/L
SMHOA-2	4/29/2019	Trichloroethylene (TCE)	< 0.5	UG/L
SMHOA-2	11/21/2022	Trichloroethylene (TCE)	< 0.5	UG/L
SMHOA-2	8/10/2018	Zinc	< 50	MG/L
SMHOA-2	11/8/2021	Zinc	< 50	UG/L
SMWC-4	4/15/2019	Alkalinity, Total	110	MG/L
SMWC-4	4/19/2022	Alkalinity, Total	100	MG/L
SMWC-4	4/15/2019	Aluminum	< 50	UG/L
SMWC-4	4/19/2022	Aluminum	< 50	UG/L
SMWC-4	4/15/2019	Arsenic	3.8	UG/L
SMWC-4	4/19/2022	Arsenic	4.4	UG/L
SMWC-4	4/15/2019	Barium	< 0.1	MG/L
SMWC-4	4/19/2022	Barium	< 0.1	MG/L
SMWC-4	4/15/2019	Beryllium	< 1	UG/L
SMWC-4	4/19/2022	Beryllium	< 1	UG/L
SMWC-4	4/15/2019	Boron, Total		UG/L
SMWC-4	4/19/2022	Boron, Total		UG/L
SMWC-4	4/15/2019	Cadmium	< 0.001	MG/L
SMWC-4	4/19/2022	Cadmium	< 0.001	MG/L
SMWC-4	4/15/2019	Calcium	7.1	MG/L
SMWC-4	4/19/2022	Calcium	5.3	MG/L
SMWC-4	4/15/2019	Chloride	18	MG/L
SMWC-4	4/19/2022	Chloride	16	MG/L
SMWC-4	4/15/2019	Chromium	< 10	UG/L
SMWC-4	4/19/2022	Chromium	< 10	UG/L
SMWC-4	4/15/2019	Chromium, Hexavalent (Cr6)	2.2	UG/L
SMWC-4	4/19/2022	Chromium, Hexavalent (Cr6)	1.9	UG/L
SMWC-4	4/15/2019	Copper, Free	< 0.05	MG/L
SMWC-4	4/19/2022	Copper, Free	< 0.05	MG/L
SMWC-4	10/26/2021	Dibromochloropropane (DBCP)	< 0.01	UG/L

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Well	Sample Date	Chemical	Concentration	Units
SMWC-4	4/15/2019	Fluoride	0.4	MG/L
SMWC-4	4/19/2022	Fluoride	0.39	MG/L
SMWC-4	4/15/2019	Hardness, Total (as CaCO3)	22	MG/L
SMWC-4	4/19/2022	Hardness, Total (as CaCO3)	13	MG/L
SMWC-4	4/15/2019	Iron	< 100	UG/L
SMWC-4	4/19/2022	Iron	< 100	UG/L
SMWC-4	4/15/2019	Lead	< 5	UG/L
SMWC-4	4/19/2022	Lead	< 5	UG/L
SMWC-4	4/15/2019	Magnesium	1.1	MG/L
SMWC-4	4/19/2022	Magnesium	< 1	MG/L
SMWC-4	4/15/2019	Manganese	< 20	UG/L
SMWC-4	4/19/2022	Manganese	< 20	UG/L
SMWC-4	4/15/2019	Mercury	< 1	UG/L
SMWC-4	4/19/2022	Mercury	< 1	UG/L
SMWC-4	4/15/2019	Nickel	< 10	UG/L
SMWC-4	4/19/2022	Nickel	< 10	UG/L
SMWC-4	12/4/2018	Nitrate as N	4.3	MG/L
SMWC-4	4/15/2019	Nitrate as N	3.8	MG/L
SMWC-4	6/4/2019	Nitrate as N	4.4	MG/L
SMWC-4	6/3/2020	Nitrate as N	3.1	MG/L
SMWC-4	6/14/2021	Nitrate as N	3.0	MG/L
SMWC-4	4/19/2022	Nitrate as N	3.1	MG/L
SMWC-4	6/6/2022	Nitrate as N	3.1	MG/L
SMWC-4	4/15/2019	Nitrate-Nitrite	3.8	MG/L
SMWC-4	4/19/2022	Nitrate-Nitrite	3.1	MG/L
SMWC-4	4/15/2019	Nitrite as N	< 0.4	MG/L
SMWC-4	4/19/2022	Nitrite as N	< 0.4	MG/L
SMWC-4	4/15/2019	Perchlorate	< 2	UG/L
SMWC-4	4/19/2022	Perchlorate	< 2	UG/L
SMWC-4	4/15/2019	pH	9.0	PH
SMWC-4	4/19/2022	pH	8.8	PH
SMWC-4	4/15/2019	Potassium	< 1	MG/L
SMWC-4	4/19/2022	Potassium	< 1	MG/L
SMWC-4	4/15/2019	Selenium	< 5	UG/L
SMWC-4	4/19/2022	Selenium	< 5	UG/L
SMWC-4	4/15/2019	Silver	< 10	UG/L
SMWC-4	4/19/2022	Silver	< 10	UG/L

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Well	Sample Date	Chemical	Concentration	Units
SMWC-4	4/15/2019	Sodium	62	MG/L
SMWC-4	4/19/2022	Sodium	63	MG/L
SMWC-4	4/15/2019	Specific Conductivity	320	UMHO/CM
SMWC-4	4/19/2022	Specific Conductivity	320	UMHO/CM
SMWC-4	4/15/2019	Sulfate	17	MG/L
SMWC-4	4/19/2022	Sulfate	15	MG/L
SMWC-4	8/12/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
SMWC-4	4/15/2019	Thallium	< 1	UG/L
SMWC-4	4/19/2022	Thallium	< 1	UG/L
SMWC-4	4/15/2019	Total Dissolved Solids	180	MG/L
SMWC-4	4/19/2022	Total Dissolved Solids	220	MG/L
SMWC-4	8/12/2019	Trichloroethylene (TCE)	< 0.5	UG/L
SMWC-4	4/15/2019	Vanadium, Total	72	UG/L
SMWC-4	4/19/2022	Vanadium, Total	93	UG/L
SMWC-4	4/15/2019	Zinc	< 50	UG/L
SMWC-4	4/19/2022	Zinc	< 50	UG/L
Tukwet-A	8/6/2020	Alkalinity, Total	120	MG/L
Tukwet-A	8/6/2020	Aluminum	< 50	UG/L
Tukwet-A	8/6/2020	Arsenic	6.5	UG/L
Tukwet-A	8/6/2020	Barium	< 0.1	MG/L
Tukwet-A	8/6/2020	Beryllium	< 1	UG/L
Tukwet-A	8/6/2020	Cadmium	< 0.001	MG/L
Tukwet-A	8/6/2020	Calcium	7.8	MG/L
Tukwet-A	8/6/2020	Chloride	17	MG/L
Tukwet-A	8/6/2020	Chromium	10	UG/L
Tukwet-A	8/6/2020	Copper, Free	< 0.05	MG/L
Tukwet-A	8/6/2020	Fluoride	0.65	MG/L
Tukwet-A	8/6/2020	Hardness, Total (as CaCO3)	29	MG/L
Tukwet-A	8/6/2020	Iron	< 100	UG/L
Tukwet-A	8/6/2020	Lead	< 5	UG/L
Tukwet-A	8/6/2020	Magnesium	2.2	MG/L
Tukwet-A	8/6/2020	Manganese	< 20	UG/L
Tukwet-A	8/6/2020	Mercury	< 1	UG/L
Tukwet-A	8/6/2020	Nickel	< 10	UG/L
Tukwet-A	8/10/2018	Nitrate as N	1.2	MG/L
Tukwet-A	9/26/2019	Nitrate as N	1.4	MG/L
Tukwet-A	8/6/2020	Nitrate as N	1.4	MG/L

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Well	Sample Date	Chemical	Concentration	Units
Tukwet-A	8/19/2021	Nitrate as N	1.5	MG/L
Tukwet-A	9/8/2022	Nitrate as N	1.5	MG/L
Tukwet-A	8/6/2020	Nitrite as N	< 0.4	MG/L
Tukwet-A	8/6/2020	Perchlorate	< 2	UG/L
Tukwet-A	8/6/2020	pH	8.8	PH
Tukwet-A	8/6/2020	Potassium	< 1	MG/L
Tukwet-A	8/6/2020	Selenium	< 5	UG/L
Tukwet-A	8/6/2020	Silver	< 10	UG/L
Tukwet-A	8/6/2020	Sodium	56	MG/L
Tukwet-A	8/6/2020	Specific Conductivity	280	UMHO/CM
Tukwet-A	8/6/2020	Sulfate	5.1	MG/L
Tukwet-A	8/6/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
Tukwet-A	8/6/2020	Thallium	< 1	UG/L
Tukwet-A	8/6/2020	Total Dissolved Solids	160	MG/L
Tukwet-A	8/6/2020	Trichloroethylene (TCE)	< 0.5	UG/L
Tukwet-A	8/6/2020	Zinc	< 50	UG/L
Tukwet-D	8/11/2020	Alkalinity, Total	150	MG/L
Tukwet-D	8/11/2020	Aluminum	< 50	UG/L
Tukwet-D	8/11/2020	Arsenic	< 2	UG/L
Tukwet-D	8/11/2020	Barium	< 0.1	MG/L
Tukwet-D	8/11/2020	Beryllium	< 1	UG/L
Tukwet-D	8/11/2020	Cadmium	< 0.001	MG/L
Tukwet-D	8/11/2020	Calcium	30	MG/L
Tukwet-D	8/11/2020	Chloride	11	MG/L
Tukwet-D	8/11/2020	Chromium	< 10	UG/L
Tukwet-D	8/11/2020	Copper, Free	< 0.05	MG/L
Tukwet-D	8/11/2020	Fluoride	0.52	MG/L
Tukwet-D	8/11/2020	Hardness, Total (as CaCO3)	130	MG/L
Tukwet-D	8/11/2020	Iron	< 100	UG/L
Tukwet-D	8/11/2020	Lead	< 5	UG/L
Tukwet-D	8/11/2020	Magnesium	13	MG/L
Tukwet-D	8/11/2020	Manganese	< 20	UG/L
Tukwet-D	8/11/2020	Mercury	< 1	UG/L
Tukwet-D	8/11/2020	Nickel	< 10	UG/L
Tukwet-D	8/10/2018	Nitrate as N	1.9	MG/L
Tukwet-D	8/13/2019	Nitrate as N	2.2	MG/L
Tukwet-D	9/26/2019	Nitrate as N	2.0	MG/L

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Well	Sample Date	Chemical	Concentration	Units
Tukwet-D	8/11/2020	Nitrate as N	2.3	MG/L
Tukwet-D	8/19/2021	Nitrate as N	1.8	MG/L
Tukwet-D	8/2/2022	Nitrate as N	2.1	MG/L
Tukwet-D	8/11/2020	Nitrite as N	< 0.4	MG/L
Tukwet-D	8/11/2020	Perchlorate	< 2	UG/L
Tukwet-D	8/13/2019	pH	8.2	PH
Tukwet-D	8/11/2020	pH	8.1	PH
Tukwet-D	8/11/2020	Potassium	1.4	MG/L
Tukwet-D	8/11/2020	Selenium	< 5	UG/L
Tukwet-D	8/11/2020	Silver	< 10	UG/L
Tukwet-D	8/11/2020	Sodium	23	MG/L
Tukwet-D	8/11/2020	Specific Conductivity	350	UMHO/CM
Tukwet-D	8/11/2020	Sulfate	9.3	MG/L
Tukwet-D	8/11/2020	Tetrachloroethene (PCE)	< 0.5	UG/L
Tukwet-D	8/11/2020	Thallium	< 1	UG/L
Tukwet-D	8/11/2020	Total Dissolved Solids	200	MG/L
Tukwet-D	8/11/2020	Trichloroethylene (TCE)	< 0.5	UG/L
Tukwet-D	8/11/2020	Zinc	< 50	UG/L
YVWD-48	7/14/2020	Alkalinity, Total	140	MG/L
YVWD-48	7/14/2020	Aluminum	< 50	UG/L
YVWD-48	7/14/2020	Arsenic	< 2	UG/L
YVWD-48	7/14/2020	Barium	< 0.1	MG/L
YVWD-48	7/14/2020	Beryllium	< 1	UG/L
YVWD-48	7/14/2020	Boron, Total		UG/L
YVWD-48	7/14/2020	Cadmium	< 0.001	MG/L
YVWD-48	7/14/2020	Calcium	32	MG/L
YVWD-48	7/14/2020	Chloride	11	MG/L
YVWD-48	7/14/2020	Chromium	< 10	UG/L
YVWD-48	7/14/2020	Chromium, Hexavalent (Cr6)	7.5	UG/L
YVWD-48	7/14/2020	Copper, Free	< 0.05	MG/L
YVWD-48	7/17/2019	Dibromochloropropane (DBCP)	< 0.01	UG/L
YVWD-48	8/18/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
YVWD-48	11/9/2022	Dibromochloropropane (DBCP)	< 0.01	UG/L
YVWD-48	7/14/2020	Fluoride	0.39	MG/L
YVWD-48	7/14/2020	Hardness, Total (as CaCO3)	100	MG/L
YVWD-48	7/14/2020	Iron	< 100	UG/L
YVWD-48	7/14/2020	Lead	< 5	UG/L

GAMA Water Quality for the 2018-2022 Period for Domestic Wells in the Beaumont Basin

Well	Sample Date	Chemical	Concentration	Units
YVWD-48	7/14/2020	Magnesium	4.8	MG/L
YVWD-48	7/14/2020	Manganese	< 20	UG/L
YVWD-48	7/14/2020	Mercury	< 1	UG/L
YVWD-48	7/14/2020	Nickel	< 10	UG/L
YVWD-48	7/16/2018	Nitrate as N	2.1	MG/L
YVWD-48	7/17/2019	Nitrate as N	1.8	MG/L
YVWD-48	7/14/2020	Nitrate as N	2.4	MG/L
YVWD-48	2/18/2021	Nitrate as N	3.1	MG/L
YVWD-48	8/18/2022	Nitrate as N	2.1	MG/L
YVWD-48	7/14/2020	Nitrate-Nitrite	2.4	MG/L
YVWD-48	7/14/2020	Nitrite as N	< 0.4	MG/L
YVWD-48	7/14/2020	Perchlorate	< 2	UG/L
YVWD-48	7/14/2020	pH	8.1	PH
YVWD-48	7/14/2020	Potassium	2	MG/L
YVWD-48	7/14/2020	Selenium	< 5	UG/L
YVWD-48	7/14/2020	Silver	< 10	UG/L
YVWD-48	7/14/2020	Sodium	36	MG/L
YVWD-48	7/14/2020	Specific Conductivity	340	UMHO/CM
YVWD-48	7/14/2020	Sulfate	13	MG/L
YVWD-48	7/17/2019	Tetrachloroethene (PCE)	< 0.5	UG/L
YVWD-48	8/17/2022	Tetrachloroethene (PCE)	< 0.5	UG/L
YVWD-48	7/14/2020	Thallium	< 1	UG/L
YVWD-48	7/14/2020	Total Dissolved Solids	200	MG/L
YVWD-48	7/17/2019	Trichloroethylene (TCE)	< 0.5	UG/L
YVWD-48	8/17/2022	Trichloroethylene (TCE)	< 0.5	UG/L
YVWD-48	7/14/2020	Vanadium, Total	22	UG/L
YVWD-48	7/14/2020	Zinc	< 50	UG/L

ALDA Inc.

In Association with

Thomas Harder & Co.
Groundwater Consulting



**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-08**

Date: April 5, 2023

From: Thierry Montoya, BBWM Counsel

Subject: Transfer of Water Rights to Beaumont-Cherry Valley Recreation and Park District

Recommendation: No recommendation

BBW's counsel received the attached March 7, 2023, water transfer request from pertaining to the "Danny Thomas Ranch" property. The March 7th letter summarizes a property donation as between TSG Cherry Valley, L.P. and its affiliated entity 110 Logistics Owner, LLC (Donator) and the Beaumont-Cherry Valley Recreation and Park District (Recipient). The March 7th letter lists several assessor's parcel numbers that were donated to the Recipient, with a request that the Beaumont Basin Watermaster transfer the alleged ascribed water rights to the donated assessor's parcel numbers from the Donator to the Recipient.

The task of identifying the assessor's parcel numbers and any water rights ascribed thereto has been assigned to Dudek who will provide Watermaster with a recommendation.



March 7th, 2023

Via Email

Art Vela, Chair
Beaumont Basin Watermaster

Re: Danny Thomas Ranch (formerly Sunny-Cal North)

Dear Chair Vela:

By way of a donation from developer TSG Cherry Valley, L.P. and its affiliated entity I10 Logistics Owner, LLC, the Beaumont-Cherry Valley Recreation and Park District ("District") is now the owner of: (1) the approximately 123-acre Danny Thomas Ranch, including all wells and other appurtenances on the property; and (2) the Beaumont Basin overlying, adjudicated water rights in the amount of 232.4 acre-feet associated with the property under Beaumont Basin Watermaster Resolution No. 2006-02. We ask that the Watermaster note this transfer in its records and use the name of the District going forward in its annual reports and other documentation. (Note that, although this property has not been owned by Albor Properties III, LP for a number of years, the most recent, 2021 Watermaster Annual Report continues to identify Albor as the owner.)

We have attached the grant deeds evidencing: (1) the transfer of all but a few acres of the property and water rights from TSG Cherry, L.P. and I10 Logistics Owner, LLC to the District's affiliated entity Beaumont-Cherry Valley Recreation & Park Improvement Corporation (Corporation) (Doc. # 2021-0000371), and then from the Corporation to the District (Doc # 2022-0244666); (2) the transfer of approximately 1 acre and a well from I10 Logistics directly to the District (Doc #2022-0489156); and (3) the transfer of the balance of the property (approximately 2 acres) from the Corporation to the District (we have attached a copy of a Corporation resolution and the signed grant deed dated February 6, 2023, which has been submitted to the County Recorder, but is still awaiting a County Document / Instrument Number.)

Please do not hesitate to contact me with any questions you may have about this matter.

Sincerely,

Duane Burk
General Manager

cc: Albert Maldonado, Best Best & Krieger LLP, General Counsel

390 W OAK VALLEY PARKWAY, BEAUMONT CA 92223 - (909) 845-9555 – FAX: (909) 845-9557
WWW.BCVPARKS.COM

RECORDING REQUESTED BY:

First American Title

WHEN RECORDED MAIL DOCUMENT TO:

Beaumont-Cherry Valley Recreation & Park
Improvement Corporation
390 W. Oak Valley Parkway
PO Box 490
Beaumont CA, 92223
Attn: Duane Burk, General Manager

DOC # 2021-0000371

01/04/2021 08:41 AM Fees: \$65.00

Page 1 of 8

Recorded in Official Records

County of Riverside

Peter Aldana

Assessor-County Clerk-Recorder

**This document was electronically submitted
to the County of Riverside for recording**
Received by: TERESA #134

Space Above This Line for Recorder's Use Only

A.P.N.: 407-210-001, 407-210-002, 407-
210-004, 407-200-009 and 407-200-011
and 407-200-012

File No.: NHSC-6456988 (mwhp)

Property Address: , Unincorporated Area, CA

GRANT DEED

Title of Document

TRA: 056-014
DTT: 9,157.00

Exemption reason declared pursuant to Government Code 27388.1

- ☒ This Document is a transfer that is subject to the imposition of documentary transfer tax.
- ☐ This is a document recorded in connection with a transfer that is subject to the imposition of document transfer tax.
Document reference: _____
- ☐ This document is a transfer of real property that is a residential dwelling to an owner-occupier
- ☐ This is a document recorded in connection with a transfer of real property that is a residential dwelling to an owner-occupier.
Document reference: _____

THIS PAGE ADDED TO PROVIDE EXEMPTION INFORMATION FOR THE BUILDING HOMES AND JOBS ACT FEE
(SB-2; AFFORDABLE HOUSING FEE) (\$3.00 Additional recording fee applies)

Recorded at request of and return to:

mail tax statement to:

Beaumont-Cherry Valley Recreation & Park
Improvement Corporation
390 W. Oak Valley Parkway
P.O. Box 490
Beaumont, CA 92223
Attn: Duane Burk, General Manager

TR: 056-014

(Space above this line reserved for Recorder's use)

APN: 407-200-009-0, 407-200-011-1, 407-200-012-2, 407-210-001-3, 407-210-002-4, and 407-210-004-6.

GRANT DEED

Documentary Transfer Tax is: \$ 9,157.00

☒ unincorporated area ☐ City of _____

Parcel No. _____

☒ computed on full value of interest or property conveyed, or

☐ computed on full value of liens or encumbrances remaining at time of sale

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, TSG CHERRY VALLEY, L.P., a California limited partnership, herein called "Grantor", hereby GRANTS to: BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION, a California public benefit corporation ("Grantee"), all right, title and interest it has to the real property in the County of Riverside, State of California, described as:

See Exhibit "1" attached hereto and made a part hereof

together with any and all improvements, easements, privileges and rights appurtenant thereto, including but not limited to water rights now associated with the Property granted in that certain Judgment entitled "San Timoteo Watershed Management Authority v. City of Banning, et. Al", Riverside County Superior Court Case No. RIC 389197 filed on February 4, 2004, adjudicating water rights in the Beaumont Basin; and that certain Resolution 2006-02 (A Resolution of the Beaumont Basin Watermaster Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels) recorded on February 15, 2006 as Instrument 2006-0112028 in the Official Records of the County of Riverside;

Subject to covenants, conditions, restrictions, easements, reservations, rights and rights-of-way and other matters of record and or apparent by inspection or survey.

[Signature page attached]

Grant Deed

**Mail Tax Statements to
SAME AS ABOVE**

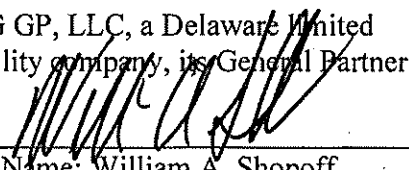
Signature Page

IN WITNESS WHEREOF, Grantor has executed this Grant Deed as of the 31st day of December, 2020.

"GRANTOR"

TSG CHERRY VALLEY, L.P., a California limited partnership

By: TSG GP, LLC, a Delaware limited liability company, its General Partner

By: 
Name: William A. Shopoff
Title: President & CEO

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

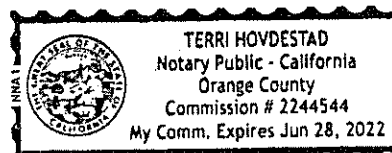
COUNTY OF ORANGE)

On December 29, 2020, before me, Terrí Hovdestad, Notary Public, personally appeared William A. Shopoff, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature 



(Seal)

Grant Deed

Signature Page

EXHIBIT "1"**Legal Description of Property**

All of the real property in the unincorporated area of the County of Riverside, State of California, described as follows:

PARCEL A-1: (APN: 407-200-011 AND PORTION OF APN: 407-210-001)

THE WEST ONE-HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THE EAST 1000 FEET OF THE SOUTH 915 FEET.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

PARCEL A-2: (PORTION OF APN: 407-210-001)

THE WEST 28 ACRES OF THE SOUTH 56 ACRES OF THE EAST ONE-HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THAT PORTION THEREOF DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WOODLAND AVENUE, DISTANT NORTH 89° 34' 30" EAST ALONG SAID CENTER LINE, 1374.35 FEET FROM THE 1/4 CORNER IN THE WEST LINE OF SAID SECTION 29, SAID POINT OF BEGINNING BEING THE SOUTHWEST CORNER OF SAID WEST 28 ACRE;

THENCE NORTH 0° 58' 15" EAST ALONG THE WESTERLY LINE OF SAID WEST 28 ACRES, 1311.10 FEET;

THENCE NORTH 52° 36' 40" EAST, 744.41 FEET TO A POINT IN THE NORTHERLY LINE OF SAID WEST 28 ACRES;

THENCE NORTH 89° 34' 30" EAST ALONG SAID NORTHERLY LINE, 116.26 FEET TO THE NORTHEAST CORNER OF SAID WEST 28 ACRES;

THENCE SOUTH 1° 23' 35" WEST 1759.23 FEET TO THE SOUTHEAST CORNER OF SAID WEST 28 ACRES IN THE CENTER LINE OF WOODLAND AVENUE;

THENCE SOUTH 89° 34' 30" WEST, 687.17 FEET TO THE POINT OF BEGINNING.

PARCEL B: (APN'S: 407-200-009 AND 407-210-004)

THAT PORTION OF THE WEST 28 ACRES OF THE SOUTH 56 ACRES OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WOODLAND AVENUE DISTANT NORTH 89° 34' 30" EAST, ALONG SAID CENTER LINE 1374.35 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 29, SAID POINT OF BEGINNING BEING THE SOUTHWEST CORNER OF SAID WEST 28 ACRES;

THENCE NORTH 0° 58' 15" EAST, ALONG THE WESTERLY LINE OF SAID WEST 18 ACRES, 1311.10 FEET;

THENCE NORTH 52° 36' 40" EAST, 744.41 FEET TO A POINT IN THE NORTHERLY LINE OF SAID WEST 28 ACRES;

THENCE NORTH 89° 34' 30" EAST ALONG SAID NORTHERLY LINE 116.26 FEET MORE OR LESS, TO THE NORTHEAST CORNER OF SAID WEST 28 ACRES;

THENCE SOUTH 1° 23' 35" WEST, 1759.23 FEET TO THE SOUTHEAST CORNER OF SAID WEST 28 ACRES, SAID POINT BEING IN THE CENTER LINE OF WOODLAND AVENUE;

THENCE SOUTH 89° 34' 30" WEST, 687.17 FEET TO THE POINT OF BEGINNING; EXCEPTING THEREFROM THE PORTION INCLUDED IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

PARCEL C: (APN: 407-210-002)

THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION, AT THE NORTHWEST CORNER OF THAT CERTAIN 28 ACRE PARCEL OF LAND GRANTED TO PAUL HYNEY AND MARY HYNEY, HIS WIFE, BY DEED RECORDED NOVEMBER 8, 1920 IN BOOK 537 PAGE 191 OF DEEDS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA;

THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID 28 ACRE PARCEL OF LAND, TO THE NORTHEAST CORNER THEREOF;

THENCE NORTHERLY ALONG THE EASTERLY LINE OF SAID 28 ACRE PARCEL OF LAND, PROLONGED NORTHERLY, BEING ALSO THE WEST LINE OF THE EAST

HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 29, TO A POINT ON SAID LINE, DISTANT 300 FEET SOUTHERLY FROM THE NORTHERLY LINE OF SAID SECTION, SAID POINT BEING ALSO THE SOUTHEASTERLY CORNER OF THAT CERTAIN PARCEL OF LAND CONVEYED TO JOSEPH E. HANNON BY DEED RECORDED JANUARY 31, 1927 IN BOOK 704 PAGE 294 OF DEEDS, RECORDS OF RIVERSIDE COUNTY CALIFORNIA;

THENCE AT A RIGHT ANGLE WESTERLY, ALONG THE SOUTHERLY LINE OF SAID LAST DESCRIBED PARCEL, 300 FEET TO THE SOUTHWEST CORNER THEREOF;

THENCE AT A RIGHT ANGLE NORTHERLY, ALONG THE WESTERLY LINE OF SAID PARCEL, 300 FEET TO POINT ON THE NORTHERLY LINE OF SAID SECTION 29;

THENCE WESTERLY ALONG THE NORTHERLY LINE OF SAID SECTION 29, TO THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION;

THENCE SOUTHERLY ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 29, TO THE POINT OF BEGINNING.

PARCEL D: (APN: 407-200-012)

PARCEL 2 AS SHOWN ON LOT LINE ADJUSTMENT NO. 4312 AS EVIDENCED BY DOCUMENT RECORDED DECEMBER 14, 2000 AS INSTRUMENT NO. 00-497943 OF OFFICIAL RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE EAST 1000 FEET OF THE SOUTH 915 FEET OF THE WEST ONE HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THAT PORTION THEREOF IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

APNs: 407-200-011-1, 407-210-001-3 (portion), 407-210-001-3 (portion), 407-200-009-0, 407-210-004-6, 407-210-002-4, and 407-200-012-2

CERTIFICATE OF ACCEPTANCE


This is to certify that the real property conveyed by **TSG CHERRY VALLEY, L.P.**, a California limited partnership ("**Grantor**") on the Grant Deed dated December 31, 2020, to the **BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION**, a California public benefit corporation ("**Grantee**"), is hereby accepted by the undersigned officer on behalf of the Grantee, pursuant to authority conferred by RESOLUTION #2020-01, as adopted by the Board of Directors on 12-28-2020, and the Grantee consents to recordation thereof by its duly authorized officer.

Dated: December 31, 2020

GRANTEE:

BEAUMONT-CHERRY VALLEY
RECREATION & PARK IMPROVEMENT
CORPORATION, a California public benefit
corporation

By:



Dan Hughes
President, Governing Board

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

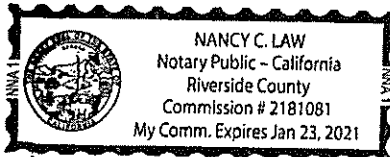
State of California)
County of Riverside)

On 12-31-2020 before me, Nancy C. Law, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Dan Hughes
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

RECORDING REQUESTED BY AND WHEN
RECORDED MAIL TO:

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

2022-0244666

05/26/2022 03:21 PM Fee: \$ 0.00

Page 1 of 7

Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



6043

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

TRA: 056-014
APN: 407-200-013
407-210-001
407-210-004
407-200-009 (portion)
407-210-002
407-200-014

TRANSFER TAX IS: 0
Computed on the full value of the interest of
property conveyed, or
Computed on the full value less the value of
liens or encumbrances remaining thereon at the
time of sale. OR transfer is EXEMPT
from tax for the following reason:

BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION, a
California public benefit corporation, ("Grantor"), hereby grants to BEAUMONT-CHERRY VALLEY
RECREATION & PARK DISTRICT, a special district in the State of California, ("Grantee"), all right,
title and interest it has to that real property in the County of Riverside, State of California, described as:

See Exhibit "A" and Exhibit "B" attached hereto and made a part hereof

together with any and all improvements, easements, privileges and rights appurtenant thereto, including
but not limited to water rights now associated with the Property granted in that certain Judgment entitled
"San Timoteo Watershed Management Authority v. City of Banning, et. Al", Riverside County Superior
Court Case No. RIC 389197 filed on February 4, 2004, adjudicating water rights in the Beaumont Basin;
and that certain Resolution 2006-02 (A Resolution of the Beaumont Basin Watermaster Recognizing the
Designation of a Specific Amount of Overlying Water Rights to Specific Parcels) recorded on February
15, 2006 as Instrument 2006-0112028 in the Official Records of the County of Riverside;

Subject to covenants, conditions, restrictions, easements, reservations, rights and rights-of-way and other
matters of record and or apparent by inspection or survey.

IN WITNESS WHEREOF, the Grantors have executed this instrument this

25th day of May, 2022.

BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION

By: Dan Hughes
Title: Chief Executive Officer

Date: 5-25-2022

Attach all-purpose notary acknowledgment

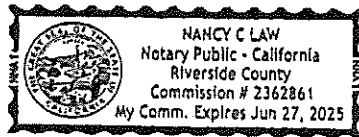
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Riverside)On 5-25-2022 before me, Nancy C. Law, Notary Public,
Date Here Insert Name and Title of the Officerpersonally appeared Dan Hughes
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer Is Representing: _____

EXHIBIT "A" – LEGAL DESCRIPTIONS

PARCEL A-1: (APN: 407-200-013 AND PORTION OF APN: 407-210-001)

THE WEST ONE-HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THE EAST 1000 FEET OF THE SOUTH 915 FEET.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

PARCEL A-2: (PORTION OF APN: 407-210-001)

THE WEST 28 ACRES OF THE SOUTH 56 ACRES OF THE EAST ONE-HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THAT PORTION THEREOF DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WOODLAND AVENUE, DISTANT NORTH 89° 34' 30" EAST ALONG SAID CENTER LINE, 1374.35 FEET FROM THE 1/4 CORNER IN THE WEST LINE OF SAID SECTION 29, SAID POINT OF BEGINNING BEING THE SOUTHWEST CORNER OF SAID WEST 28 ACRE;

THENCE NORTH 0° 58' 15" EAST ALONG THE WESTERLY LINE OF SAID WEST 28 ACRES, 1311.10 FEET;

THENCE NORTH 52° 36' 40" EAST, 744.41 FEET TO A POINT IN THE NORTHERLY LINE OF SAID WEST 28 ACRES;

THENCE NORTH 89° 34' 30" EAST ALONG SAID NORTHERLY LINE, 116.26 FEET TO THE NORTHEAST CORNER OF SAID WEST 28 ACRES;

THENCE SOUTH 1° 23' 35" WEST 1759.23 FEET TO THE SOUTHEAST CORNER OF SAID WEST 28 ACRES IN THE CENTER LINE OF WOODLAND AVENUE;

THENCE SOUTH 89° 34' 30" WEST, 687.17 FEET TO THE POINT OF BEGINNING.

PARCEL B: (APN'S: 407-210-004 AND PORTION OF 407-200-009)

THAT PORTION OF THE WEST 28 ACRES OF THE SOUTH 56 ACRES OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE

1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE CENTER LINE OF WOODLAND AVENUE DISTANT NORTH 89° 34' 30" EAST, ALONG SAID CENTER LINE 1374.35 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 29, SAID POINT OF BEGINNING BEING THE SOUTHWEST CORNER OF SAID WEST 28 ACRES;

THENCE NORTH 0° 58' 15" EAST, ALONG THE WESTERLY LINE OF SAID WEST 28 ACRES, 1311.10 FEET;

THENCE NORTH 52° 36' 40" EAST, 744.41 FEET TO A POINT IN THE NORTHERLY LINE OF SAID WEST 28 ACRES;

THENCE NORTH 89° 34' 30" EAST ALONG SAID NORTHERLY LINE 116.26 FEET MORE OR LESS, TO THE NORTHEAST CORNER OF SAID WEST 28 ACRES;

THENCE SOUTH 1° 23' 35" WEST, 1759.23 FEET TO THE SOUTHEAST CORNER OF SAID WEST 28 ACRES, SAID POINT BEING IN THE CENTER LINE OF WOODLAND AVENUE;

THENCE SOUTH 89° 34' 30" WEST, 687.17 FEET TO THE POINT OF BEGINNING;

EXCEPTING THEREFROM THE PORTION INCLUDED IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

ALSO EXCEPTING THEREFROM THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF THE EAST HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, ALSO BEING THE EAST LINE OF SAID 28 ACRES, SAID POINT BEING DISTANT NORTH 01° 23' 35" EAST, A DISTANCE OF 308.49 FEET FROM THE SOUTHWEST CORNER OF SAID EAST HALF;

THENCE NORTH 88° 36' 25" WEST, A DISTANCE OF 214.48 FEET;

THENCE NORTH 07° 37' 12" WEST, A DISTANCE OF 298.22 FEET;

THENCE NORTH 64° 36' 06" EAST, A DISTANCE OF 264.61 FEET;

THENCE SOUTH 88° 36' 25" EAST, A DISTANCE OF 25.00 FEET, TO A POINT ON SAID WEST LINE;

THENCE SOUTH 01° 23' 35" WEST ALONG SAID WEST LINE, A DISTANCE OF 413.80 FEET TO THE **POINT OF BEGINNING**;

TOGETHER WITH AN EASEMENT FOR INGRESS & EGRESS AND PUBLIC UTILITY PURPOSES OVER THE EAST 25.00 FEET OF THE ABOVEDESCRIBED PROPERTY EXCEPTED THEREFROM;

ALSO RESERVING TO OURSELVES OUR SUCCESSORS AND ASSIGNS, AN EASEMENT FOR INGRESS & EGRESS AND PUBLIC UTILITY PURPOSES OVER THE SOUTH 308.49 FEET OF THE EAST 25.00 FEET OF THE WEST HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 29.

PARCEL C: (APN: 407-210-002)

THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION, AT THE NORTHWEST CORNER OF THAT CERTAIN 28 ACRE PARCEL OF LAND GRANTED TO PAUL HYNEY AND MARY HYNEY, HIS WIFE, BY DEED RECORDED NOVEMBER 8, 1920 IN BOOK 537 PAGE 191 OF DEEDS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA;

THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID 28 ACRE PARCEL OF LAND, TO THE NORTHEAST CORNER THEREOF;

THENCE NORTHERLY ALONG THE EASTERLY LINE OF SAID 28 ACRE PARCEL OF LAND, PROLONGED NORTHERLY, BEING ALSO THE WEST LINE OF THE EAST HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 29, TO A POINT ON SAID LINE, DISTANT 300 FEET SOUTHERLY FROM THE NORTHERLY LINE OF SAID SECTION, SAID POINT BEING ALSO THE SOUTHEASTERLY CORNER OF THAT CERTAIN PARCEL OF LAND CONVEYED TO JOSEPH E. HANNON BY DEED RECORDED JANUARY 31, 1927 IN BOOK 704 PAGE 294 OF DEEDS, RECORDS OF RIVERSIDE COUNTY CALIFORNIA;

THENCE AT A RIGHT ANGLE WESTERLY, ALONG THE SOUTHERLY LINE OF SAID LAST DESCRIBED PARCEL, 300 FEET TO THE SOUTHWEST CORNER THEREOF;

THENCE AT A RIGHT ANGLE NORTHERLY, ALONG THE WESTERLY LINE OF SAID PARCEL, 300 FEET TO POINT ON THE NORTHERLY LINE OF SAID SECTION 29;

THENCE WESTERLY ALONG THE NORTHERLY LINE OF SAID SECTION 29, TO THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION;

THENCE SOUTHERLY ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 29, TO THE POINT OF BEGINNING.

PARCEL D: (APN: 407-200-014)

PARCEL 2 AS SHOWN ON LOT LINE ADJUSTMENT NO. 4312 AS EVIDENCED BY DOCUMENT RECORDED DECEMBER 14, 2000 AS INSTRUMENT NO. 00-497943 OF OFFICIAL RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

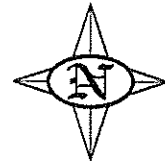
THE EAST 1000 FEET OF THE SOUTH 915 FEET OF THE WEST ONE HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THAT PORTION THEREOF IN CHERRY VALLEY BOULEVARD ON THE SOUTH.

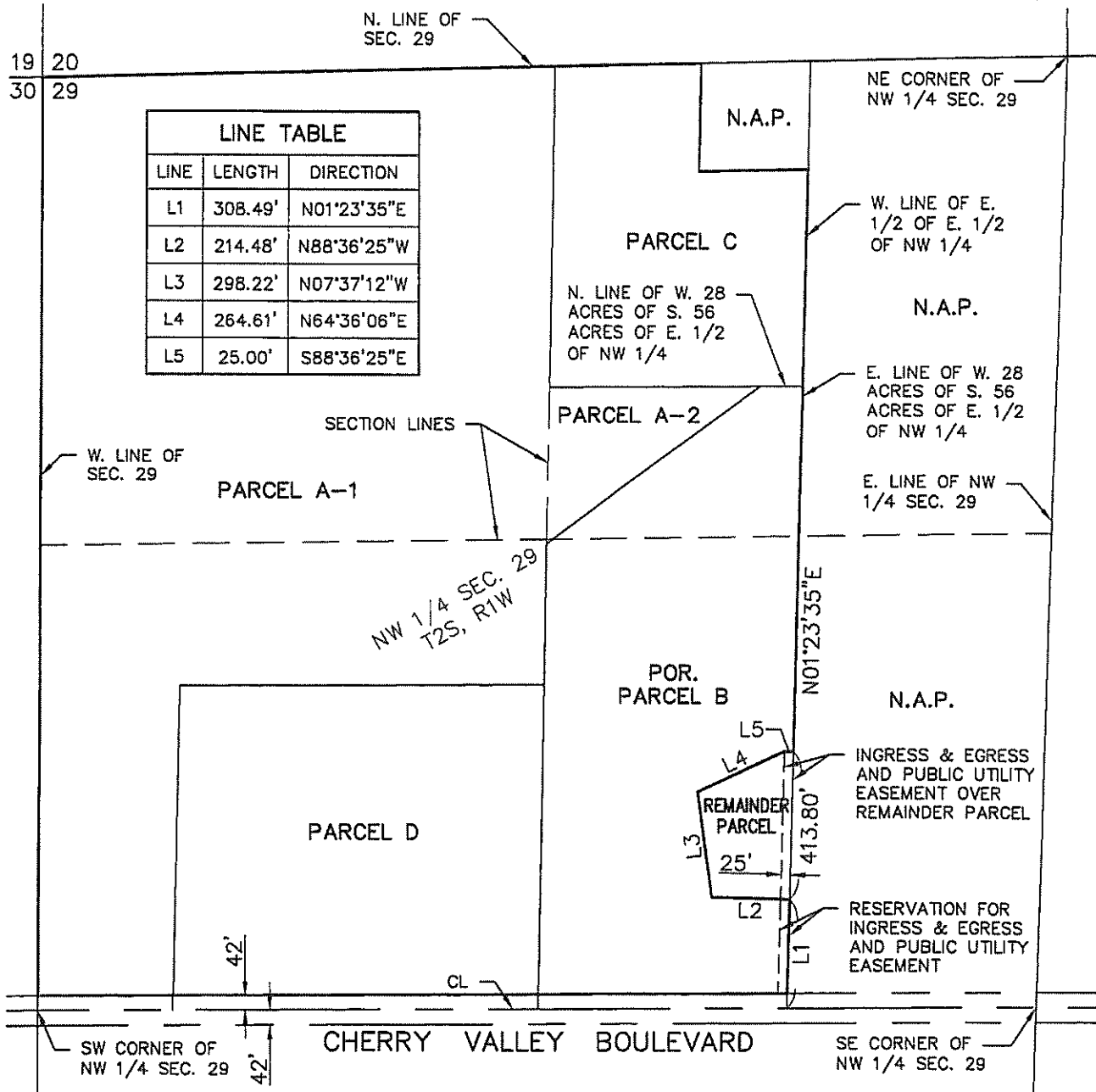


Steven H. Ritchey 5/19/2022
STEVEN H. RITCHIEY DATE
L.S. 7288 EXP. 12/31/22

EXHIBIT "B" - PLAT



SCALE: 1"=400'



Steven H. Ritchey
 STEVEN H. RITCHEY
 P.L.S. 7288, EXP. 12/31/22
 5/19/2022
 DATE

LEC
 LAND
 ENGINEERING
 CONSULTANTS, INC.

P.O. BOX 541, 650 AVENUE K
 CALIMESA, CALIFORNIA 92320
 TEL: 909-795-8882
 FAX: 909-795-8818

Recorded at request of and return to:

Beaumont-Cherry Valley Recreation & Park District
390 W. Oak Valley Parkway
P.O. Box 490
Beaumont, CA 92223
Attn: Duane Burk, General Manager

[This instrument is for the benefit of the Beaumont-Cherry Valley Recreation & Park District, and is entitled to be recorded without fee. (Gov. Code, § 27383)]

DOC # 2022-0489156

12/01/2022 04:24 PM Fees: \$0.00

Page 1 of 9

Recorded in Official Records

County of Riverside

Peter Aldana

Assessor-County Clerk-Recorder

This document was electronically submitted to the County of Riverside for recording
Received by: CRISTINA #7700

(Space above this line reserved for Recorder's use)

APN: 407-200-011 (portion)

TRA: 056-014

GRANT DEED

THE UNDERSIGNED GRANTOR DECLARES:

Documentary Transfer Tax: \$0 *"Governmental agency acquiring title. R&T 11922."*

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, **I10 LOGISTICS OWNER, LLC**, a Delaware limited liability company ("**Grantor**"), does hereby GRANT to **BEAUMONT-CHERRY VALLEY RECREATION & PARK DISTRICT**, a special district of the State of California ("**Grantee**"), all that real property situated in the County of Riverside, State of California, which is described as follows ("**Property**");

The land graphically depicted on Exhibit "A" attached hereto and described on Exhibit "B" attached hereto;

together with (i) all structures, improvements, equipment and pipelines associated with the well on the Property; (ii) all rights, privileges, and easements appurtenant to the Property, including all mineral rights, rights-of-way, easements, roadways, reservations and reversions or other appurtenances used in connection with the beneficial use of the Property, including but not limited to appurtenant water rights now associated with the Property granted in that certain Judgment entitled "San Timoteo Watershed Management Authority v. City of Banning, et. al", Riverside County Superior Court Case No. RIC 389197 filed on February 4, 2004, adjudicating water rights in the Beaumont Basin; that certain Resolution 2006-02 (A Resolution of the Beaumont Basin Watermaster Recognizing the Designation of a Specific Amount of Overlying Water Rights to Specific Parcels) recorded on February 15, 2006 as Instrument 2006-0112028 in the Official

Records of the County of Riverside; and (iii) any existing rights, privileges and easements which are personal to the grantor and used in connection with the beneficial use of the Property, including all easements in gross and rights of way.

subject to (1) that certain *Grant of Easements (Road and Drainage Facilities)* by and between I10 Logistics Owner, LLC, a Delaware limited liability company, and TSG Cherry Valley, L.P., a Delaware limited partnership, dated as of December 31, 2020 and recorded in the Official Records on December 31, 2020 as Instrument No. 2020-0672144; and (2) all other covenants, conditions, restrictions, easements, reservations, rights and rights-of-way and other matters of record and/or apparent by inspection or survey (collectively, the “**Existing Encumbrances**”);

provided, that Grantor intends that this Grant Deed will not become effective, and this Grant Deed shall not become effective, until its recordation in the Official Records of the County.

The intent of this Grant Deed is that the Existing Encumbrances not be merged with the interests of Grantor in the Property. The Existing Encumbrances are intended to survive the conveyance from Grantor and will continue to benefit the original dominant tenement.

[Signature page attached]

First American Title Company has recorded this instrument by request as an accommodation only and has not examined it for regularity and sufficiency or as to its effect upon the title to any real property that may be described herein.

IN WITNESS WHEREOF, Grantor has executed this Grant Deed as of the 23rd day of November, 2022.

"GRANTOR"

I10 LOGISTICS OWNER, LLC,
a Delaware limited liability company

By: I10 Logistics Investments, LLC,
a Delaware limited liability company,
its sole member

By: SRI – I10 LDC, LLC,
a Delaware limited liability company,
its administrative member

By:

Brian G. Rupp
Name: Brian G. Rupp
Title: EVP, Real Estate

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
)
COUNTY OF Orange)

On November 14, 2022 before me, Michelle Felicia Flores, Notary Public, personally appeared Brian G. Rupp, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Michelle H. Flores



(Seal)

CERTIFICATE OF ACCEPTANCE

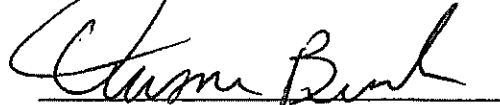
This is to certify that the real property conveyed by **I10 LOGISTICS OWNER, LLC**, a Delaware limited liability company ("**Grantor**"), on the Grant Deed dated November 14 2022, to the **BEAUMONT-CHERRY VALLEY RECREATION & PARK DISTRICT**, a public district of the State of California ("**Grantee**"), is hereby accepted by the undersigned officer on behalf of the Grantee, pursuant to authority conferred by Minute Order, as adopted by the Board of Directors on November 21, 2022, and the Grantee consents to recordation thereof by its duly authorized officer.

Dated: November 23, 2022

GRANTEE:

BEAUMONT-CHERRY VALLEY
RECREATION & PARK DISTRICT, a special
district of the State of California

By:



Duane Burk
General Manager

Exhibit "A"

Graphic Depiction of Property

[Attached]

Exhibit "B"

Legal Description of Property

[Attached]

**WELL SITE
LEGAL DESCRIPTION**

A PORTION OF PARCEL A-1 AS DESCRIBED BY GRANT DEED RECORDED JANUARY 4, 2021 AS DOCUMENT NO. 2021-0000371, OFFICIAL RECORDS OF THE COUNTY OF RIVERSIDE, CALIFORNIA, LYING WITHIN THE WEST ONE-HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 29, AS SHOWN BY RECORD OF SURVEY FOUND IN BOOK 66 OF RECORDS OF SURVEY, AT PAGE 75, RECORDS OF RIVERSIDE COUNTY;

THENCE NORTH 00°24'37" EAST ALONG THE WESTERLY LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 329.10 FEET FOR THE TRUE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID WESTERLY LINE, NORTH 00°24'37" EAST, A DISTANCE OF 134.92 FEET TO A POINT THEREON;

THENCE LEAVING SAID WESTERLY LINE, NORTH 89°51'14" EAST, A DISTANCE OF 100.00 FEET TO A LINE PARALLEL WITH AND DISTANT EASTERLY 100.00 FEET, MEASURED AT A RIGHT ANGLE, FROM SAID WESTERLY LINE;

THENCE SOUTH 00°24'37" WEST ALONG SAID PARALLEL LINE, A DISTANCE OF 115.96 FEET;

THENCE NORTH 89°35'23" WEST, AT A RIGHT ANGLE, A DISTANCE OF 50.00 FEET;

THENCE SOUTH 00°24'37" WEST, AT A RIGHT ANGLE, A DISTANCE OF 15.00 FEET;

THENCE SOUTH 89°35'23" EAST, A DISTANCE OF 50.00 FEET TO A POINT ON SAID PARALLEL LINE DISTANT EASTERLY 100.00 FEET FROM SAID WESTERLY LINE OF THE NORTHWEST QUARTER;

THENCE SOUTH 00°24'37" WEST ALONG SAID PARALLEL LINE, A DISTANCE OF 269.05 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY LINE OF CHERRY VALLEY BOULEVARD AS SET FORTH IN THAT CERTAIN PUBLIC STREET AND UTILITY EASEMENT RECORDED OCTOBER 29, 2020 AS DOCUMENT NO. 2020-0499734, OFFICIAL RECORDS OF SAID COUNTY OF RIVERSIDE;

THENCE SOUTH 89°51'14" WEST ALONG SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 36.75 FEET TO THE EASTERLY RIGHT OF WAY LINE OF SAID PUBLIC STREET AND UTILITY EASEMENT;

THENCE ALONG SAID EASTERLY RIGHT OF WAY LINE THE FOLLOWING FIVE (5) COURSES AND DISTANCES:

- 1) NORTH 42°35'58" WEST, A DISTANCE OF 35.55 FEET;
- 2) NORTH 00°24'37" EAST, A DISTANCE OF 82.09 FEET TO THE BEGINNING OF A TANGENT CURVE, CONCAVE EASTERLY, HAVING A RADIUS OF 100.00 FEET;
- 3) NORTHEASTERLY ALONG SAID CURVE, TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 17°12'31", AN ARC DISTANCE OF 30.03 FEET;
- 4) NORTH 17°37'09" EAST, A DISTANCE OF 50.00 FEET TO THE BEGINNING OF A TANGENT CURVE, CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 61.00 FEET;
- 5) NORTHEASTERLY, NORTHERLY, NORTHWESTERLY AND WESTERLY ALONG SAID CURVE, TO THE LEFT, THROUGH A CENTRAL ANGLE OF 107°12'31", AN ARC DISTANCE OF 114.14 FEET TO THE **TRUE POINT OF BEGINNING**.

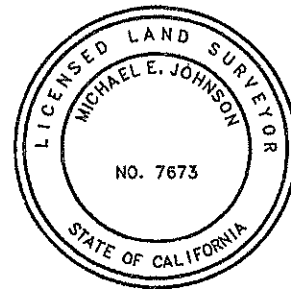
CONTAINING 27,067 SQUARE FEET, MORE OR LESS.

SEE PLAT ATTACHED HERETO AS EXHIBIT "B" AND MADE A PART HEREOF.
PREPARED UNDER MY SUPERVISION


MICHAEL E. JOHNSON, L.S. 7673

03/31/21
DATE

PREPARED BY: JB
CHECKED BY: MB



RESOLUTION NO. 2023-01

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
BEAUMONT-CHERRY VALLEY RECREATION AND PARK
IMPROVEMENT CORPORATION AUTHORIZING THE TRANSFER OF
APPROXIMATELY 2 ACRES, INCLUDING AN EXISTING HOUSE AND
OTHER BUILDINGS UNDER LEASE, OF LAND TO THE BEAUMONT-
CHERRY VALLEY RECREATION AND PARK DISTRICT**

WHEREAS, the Beaumont-Cherry Valley Recreation and Park Improvement Corporation (the "Foundation") is a 501(c)(3) nonprofit public benefit corporation existing under and pursuant to the laws of the State of California; and

WHEREAS, the Foundation exists to benefit the Beaumont-Cherry Valley Recreation and Park District ("District"), a California recreation and park district; and

WHEREAS, on December 31, 2020, the Foundation received a donation from TSG Cherry Valley, L.P. ("Donation Agreement") of approximately 123 acres of land (the "Danny Thomas Ranch") for the Foundation to operate consistent with its mission, and the mission of the District, of providing community recreation and park facilities and programs; and

WHEREAS, the Danny Thomas Ranch is located in unincorporated Riverside County, which is bordered to the north by undeveloped foothills, to the west by warehouse logistics buildings, to the east by a single family residential/agricultural property, and to the south by Cherry Valley Boulevard; and

WHEREAS, on June 8, 2022, the Foundation transferred, and the District accepted, approximately 123 acres of the Danny Thomas Ranch, minus about 2 acres that contain a single family residence and several agricultural buildings; and

WHEREAS, approximately 2 acres of the Danny Thomas Ranch contains a single family residence and several agricultural buildings, which are located at 37300 and 37356 Cherry Valley Boulevard, Beaumont, CA 92223 (Riverside County Assessor Parcel No. 407-200-018), which are now proposed to be transferred to the District; and

WHEREAS, as of December 31, 2020, the Danny Thomas Ranch had an appraised estimated value of \$8.325 Million, of which the 2 acres was a part; and

WHEREAS, the Foundation Board of Directors desires to transfer the remaining 2 acres of the Danny Thomas Ranch, including the single family residence and other buildings, to the District (hereinafter, the "Transfer"), which is more particularly described and shown in Exhibit A; and

NOW, THEREFORE, it is resolved by the Board of Directors of the Beaumont-Cherry Valley Recreation and Park Improvement Corporation as follows:

SECTION 1. Incorporation of Recitals. The recitals above are true and correct and are hereby incorporated herein by this reference.

SECTION 2. Property Transfer. The President of the Board of Directors, the General Manager or a designee in writing (each, an "Authorized Officer") is hereby authorized to execute any and all documents necessary for the Transfer of approximately 2 acres of the Danny Thomas Ranch to the District, subject to final approval as to form by the Foundation's legal counsel.

Section 3. CEQA. The Foundation finds that the Transfer is not subject to review under the California Environmental Quality Act ("CEQA") because it is not a "project" under State CEQA Guidelines section 15378(a) or 15004(b)(2)(A). In addition, if the action was to be considered a project under CEQA, it is categorically exempt from further CEQA review under State CEQA Guidelines sections 15301 (existing facilities). In addition, the Transfer is exempt under section 15061(b)(3) as it can be seen with certainty that there is no possibility that the action may have a significant effect on the environment. The Transfer merely involves a change of ownership and no development is proposed. None of the exceptions to these categorical exemptions apply, and consequently, this action is exempt from further CEQA Review.

Section 4. Attestations. The Secretary of the Board or other appropriate Foundation officer is hereby authorized and directed to attest the signature of the Authorized Officer, and to affix and attest the seal of the Foundation, as may be required or appropriate in connection with the execution and delivery of any and all required documents to effectuate the Transfer.

Section 5. Other Actions. The Authorized Officer and other officers of the Foundation are each hereby authorized and directed, jointly and severally, to take any and all actions and to execute and deliver any and all documents, agreements, and certificates which they may deem necessary or advisable in order to carry out and give effect to this Resolution and any other documents required to effectuate the Transfer.

Section 6. Effect. This Resolution shall take effect immediately upon its passage.

PASSED, APPROVED, AND ADOPTED this sixth day of February, 2023, by the following vote:

AYES: Aldrich, Flores, Diercks, Hughes

NOES:

ABSTENTIONS:

ABSENT: Ward

Approved:



President of the Board

Attest:

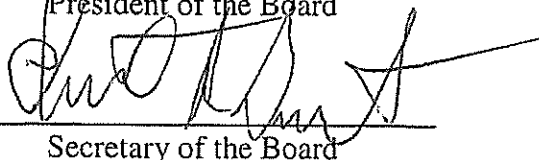

Secretary of the Board

EXHIBIT A
MAP OF PROPERTY TO BE TRANSFERRED

RECORDING REQUESTED BY AND WHEN
RECORDED MAIL TO:

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

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

TRA: 056-014
APN: 407-200-018

TRANSFER TAX IS: _____
Computed on the full value of the interest of
property conveyed, or _____
Computed on the full value less the value of
liens or encumbrances remaining thereon at the
time of sale. _____ OR transfer is EXEMPT
from tax for the following reason:

BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION, a
California public benefit corporation, ("Grantor"), hereby grants to BEAUMONT-CHERRY VALLEY
RECREATION & PARK DISTRICT, a special district in the State of California, ("Grantee"), all right,
title and interest it has to that real property in the County of Riverside, State of California, described as:

See Exhibit "A" and Exhibit "B" attached hereto and made a part hereof

together with any and all improvements, easements, privileges and rights appurtenant thereto, including
but not limited to water rights now associated with the Property granted in that certain Judgment entitled
"San Timoteo Watershed Management Authority v. City of Banning, et. Al", Riverside County Superior
Court Case No. RIC 389197 filed on February 4, 2004, adjudicating water rights in the Beaumont Basin;
and that certain Resolution 2006-02 (A Resolution of the Beaumont Basin Watermaster Recognizing the
Designation of a Specific Amount of Overlying Water Rights to Specific Parcels) recorded on February
15, 2006 as Instrument 2006-0112028 in the Official Records of the County of Riverside:

Subject to covenants, conditions, restrictions, easements, reservations, rights and rights-of-way and other
matters of record and or apparent by inspection or survey.

IN WITNESS WHEREOF, the Grantors have executed this instrument this
Sixth day of February, 2023.

BEAUMONT-CHERRY VALLEY RECREATION & PARK IMPROVEMENT CORPORATION


By: Dan Hughes
Title: Chief Executive Officer

date: 2-6-2023

Attach all-purpose notary acknowledgment

EXHIBIT "A" – LEGAL DESCRIPTION

REMAINDER PARCEL: (APN 407-200-018)

THAT PORTION OF THE WEST 28 ACRES OF THE SOUTH 56 ACRES OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 2 SOUTH, RANGE 1 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF THE EAST HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, ALSO BEING THE EAST LINE OF SAID 28 ACRES, SAID POINT BEING DISTANT NORTH $01^{\circ} 23' 35''$ EAST, A DISTANCE OF 308.49 FEET FROM THE SOUTHWEST CORNER OF SAID EAST HALF;

THENCE NORTH $88^{\circ} 36' 25''$ WEST, A DISTANCE OF 214.48 FEET;

THENCE NORTH $07^{\circ} 37' 12''$ WEST, A DISTANCE OF 298.22 FEET;

THENCE NORTH $64^{\circ} 36' 06''$ EAST, A DISTANCE OF 264.61 FEET;

THENCE SOUTH $88^{\circ} 36' 25''$ EAST, A DISTANCE OF 25.00 FEET, TO A POINT ON SAID WEST LINE;

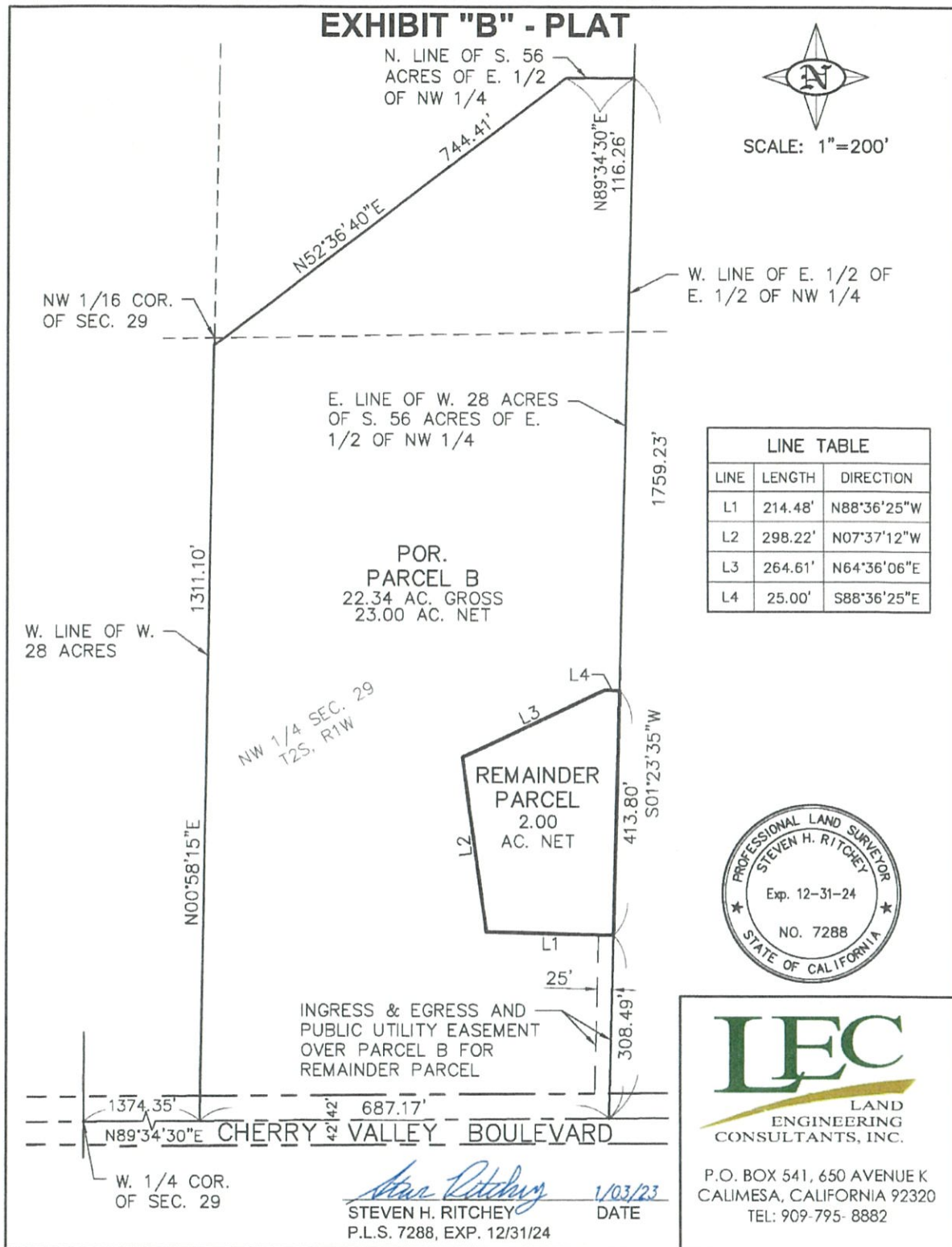
THENCE SOUTH $01^{\circ} 23' 35''$ WEST ALONG SAID WEST LINE, A DISTANCE OF 413.80 FEET TO THE **POINT OF BEGINNING**;

TOGETHER WITH AN EASEMENT FOR INGRESS & EGRESS AND PUBLIC UTILITY PURPOSES OVER THE SOUTH 308.49 FEET OF THE EAST 25.00 FEET OF THE WEST HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 29.




STEVEN H. RITCHIEY
L.S. 7288 EXP. 12/31/24

1/03/23
DATE



**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-09**

Date: April 5, 2023

From: Thierry Montoya, BBWM Counsel

Subject: Proposal for Development of Data Management System

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

Please find attached Dudek's proposal to develop a Data Management System for the Beaumont Basin. During the meeting, there will be a demonstration of the DMS developed for the Yucaipa GSP. Matt Palavido will be at the meeting to provide the demonstration.

March 16th, 2023

Item VII - E Attachment 1

Art Vela
Chairman
Beaumont Basin Watermaster
560 Magnolia Street
Beaumont, California 92223

Subject: *Proposal to Develop a GIS-Based Data Management System, Beaumont Basin Watermaster*

Dear Beaumont Basin Watermaster Committee,

Dudek is pleased to submit this proposal to develop a geographic information systems (GIS) based data management system (DMS) for the Beaumont Basin Watermaster (Watermaster). In support of this effort, Dudek has prepared a scope of work and fee to produce a GIS-based application to support the collection and compilation of groundwater-related information in and near the Beaumont Basin. The primary focus is to create a centralized geodatabase that serves as a robust foundation for a scalable DMS. This system will also have the flexibility to expand in the future, accommodating other Watermaster systems and workflows seamlessly.

Dudek will leverage the power of ArcGIS Online, a widely accepted industry-standard software as a service cloud platform, for the development and hosting of the DMS. This platform will provide an effortless transfer of technologies between stakeholders, enabling a seamless and productive collaboration process.

1 Database Design

The DMS database design will be developed using Esri technology. The schema will contain the necessary attributes, attribute rules, and related tables to support the tracking, analysis, and visualization of groundwater-related information.

- **Assumptions**
 - The database design will include the following elements in relation to groundwater tracking:
 - Well locations and characteristics.
 - Well production readings at well locations.
 - Groundwater elevation readings at well locations.
 - Water quality readings at well locations.
 - Climatic Station locations
 - Precipitation readings at climatic stations where available
 - Historical data will be included if available.

- Reference data and layers will be included.
- Deliverables/Meetings
 - Dudek will hold one online meeting with Watermaster Committee members to review the DMS schema and confirm it meets the needs of the Watermaster.
- **Cost for Task 1.....\$9,300.00**

2 Web-based GIS Application

The internal web-based GIS application will be accessible only to individuals designated by the Watermaster. The application will be password protected and access granted per the Watermaster's direction. The application will have the capability to reference existing data, add new and update existing data, visualize data, perform queries against the data, and export data.

- **Assumptions**
 - Dudek will provision and set up an ArcGIS Organization account on behalf of the Watermaster. The initial provisioning will include:
 - Initial setup through Esri (current rate is \$1300)
 - This includes two (2) Creator-level licenses necessary to administer the account. Additional licensing is necessary to accommodate stakeholders and is detailed below.
 - Additional user licensing:
 - One (1) Viewer license for use as a login to allow people read-only access to the DMS. \$110.00 annually.
 - Five (5) Mobile-worker licenses to facilitate field data collection. Each license is \$385 annually.
 - Five (5) Editor licenses to facilitate office-based editing via the web-based application. Each license is \$220.00 annually.
 - Provisioning of 10,000 ArcGIS Online Credits. Credits are the currency used within ArcGIS Online to cover costs associated with data storage and analysis. Credits are currently \$120.00 for 1000 credits and are good for two (2) years. Dudek anticipates that 10,000 credits will cover all the needs for 1-year, however, if additional credits are needed, then Dudek will notify the Watermaster and request authorization to purchase the additional credits for a cost not-to-exceed for the fee of the additional credits.
 - Dudek will configure off-the-shelf Esri tools such as ArcGIS Experience Builder and ArcGIS Dashboards

- Functionality will include:
 - Map navigation tools
 - Search tools
 - Query Tools
 - Measuring Tools
 - Basic Print Tools
 - Data Export
 - Basic data graphing
 - Data entry and editing
- Deliverables/Meetings
 - Dudek will hold one in-person meeting with the Watermaster to review the DMS Web-based GIS Application and confirm it meets the needs of the Watermaster.
 - Dudek will provide documentation in the form of a 'How-To' guide for users of the application.
- **Cost for Task 2..... \$23,265**

3 Mobile Data Collection

A mobile application will be configured to enable the collection of groundwater-related data, such as groundwater elevation, production, and water quality in the field.

- **Assumptions**
 - The mobile data collection application will be created using ArcGIS Field Maps and/or ArcGIS Survey123.
 - The following data collection types will be included:
 - Groundwater elevation at well locations
 - Production at well locations
 - Water quality at well locations
 - The mobile applications are supported on iOS and Android devices.
 - Mobile data collection requires a Mobile Worker ArcGIS Online user license. Five (5) Mobile Worker licenses are included as part of task 2. If additional licenses are needed, then Dudek will

notify the Watermaster and request authorization to purchase the additional licenses for a cost not-to-exceed the fee of the additional licenses.

- Deliverables/Meetings
 - Dudek will hold one in-person meeting with Watermaster staff to review the mobile data collection application.
 - Dudek will provide documentation in the form of a 'How-To' guide for users of the application.
- **Cost for Task 3**.....**\$13,330.00**

4 Annual Maintenance Costs (Beginning Year 2)

Licensing for ArcGIS Online as well as routine maintenance are necessary for the DMS to remain current. The annual licensing cost, beginning in year 2, based on the licenses outlined in task 2 will be \$4,335.00. Additionally, 4 hours a month will be allocated for routine maintenance of the system at a cost of \$9,360.

- **Cost for Task 4**.....**\$13,695.00**

In summary, Dudek proposes to complete the work described above for tasks 1, 2 and 3 on a time-and-materials basis not to exceed **\$45,895**. Dudek anticipates developing the DMS design over an 8-week period concluding with a meeting with the Watermaster in week 8. Beginning in year two, the recurring annual maintenance cost will be **\$13,695**. We sincerely appreciate the opportunity to serve the Watermaster and to develop an integral tool to effectively track groundwater data in and near the Beaumont Basin.

Sincerely,

Matthew Palavido
Matthew Palavido
GIS Application Developer

Beaumont Basin Watermaster GIS-Based Data Management System

Dudek
Matthew Palavido

Project Start:	Mon, 4/17/2023	
Display Week:	1	

Display Week: <div>1</div>					Apr 17, 2023							Apr 24, 2023							May 1, 2023							May 8, 2023							May 15, 2023							May 22, 2023							May 29, 2023							Jun 5, 2023						
					17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11
TASK	ASSIGNED TO	PROGRESS	START	END	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S							
Database Design																																																												
Databse schema Development			4/17/23	5/7/23																																																								
On-Site Meeting			5/8/23	5/8/23																																																								
Web-based GIS Application																																																												
Web-based GIS Application Development			4/24/23	5/21/23																																																								
User Guide			5/15/23	5/17/23																																																								
On-Site Meeting			5/22/23	5/22/23																																																								
Mobile Data Collection																																																												
Groundwater elevation, production and water quality Survey 123 Forms			5/15/23	6/8/23																																																								
User Guide			5/29/23	6/8/23																																																								
Onsite Meeting			6/9/23	6/9/23																																																								

**BEAUMONT BASIN WATERMASTER
MEMORANDUM NO. 23-10**

Date: April 5, 2023
From: Dan Jagers, BBWM Secretary
Subject: Approval of Expenditures related to Public Records Act Request
Recommendation: Approve the expenditure of \$00,000 to Thomas Harder & Co. to prepare and furnish public records to the Santa Ana River Watershed Project Authority (SAWPA)

West Yost has requested disclosable public records as indicated on the attached letter and request form.

Records responsive to the request are maintained by BBWM consultant Thomas Harder & Co.

The records are maintained electronically and can be provided in the GIS format requested. However, preparation of the files will require staff time on the part of the consultant.

In general, costs to prepare electronic public records are not chargeable to the requestor. However, BBWM may be able to recoup some costs under Government Code 6253.9(b). Being that any charges may be shifted by the requestor to its client, SAWPA, a neighboring joint powers authority providing regional programs and projects to protect water resources and maximize beneficial uses, the BBWM Committee may choose not to investigate this path.

Staff recommends approval of the expenditure with cost share to be split equally between the five member agencies bearing the full cost of the action at no cost to the requestor.

Attachments:

1. Cost estimate from Thomas Harder & Co.
2. PRA Request form from West Yost
3. Letter from West Yost
4. Figure 3-8 denoting information requested



March 30, 2023

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

Re: Beaumont Basin Watermaster – Cost Estimate to Compile and Provide Data to the Santa Ana Watershed Project Authority Basin Monitoring Program Task Force

Dear Mr. Vela,

This letter outlines a scope of work and cost estimate to respond to a public records request from the Santa Ana Watershed Project Authority Basin Monitoring Program Task Force, by way of letter request from West Yost Engineering dated February 1, 2023. Specifically, West Yost is requesting the following information to support the required computation of ambient water quality in the Beaumont groundwater management zone:

- GIS shapefile of groundwater elevation contour for 2021
- GIS raster or grid of groundwater elevation for 2021
- GIS raster or grid of aquifer property including specific yield, bottom of aquifer elevation, and aquifer layer elevations if applicable

We can provide this information within one week of your authorization to proceed.

The total estimated cost for this scope of work is \$1,300.

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

Sincerely,

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

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

Item VII - F Attachment 2

February 1, 2023,

Project No.: 986-80-22-02

SENT VIA: EMAIL

SUBJECT: Data Request for Aquifer and Groundwater Level information for the Beaumont GMZ to Re-compute Ambient Water Quality as Required by the 2004 Amendment to the Water Quality Control Plan for the Santa Ana River Basin (Basin Plan)

Dear Beaumont Basin Watermaster,

In 2004, the Santa Ana Water Quality Control Board (Santa Ana Water Board) amended the Basin Plan, in part, to include revised water quality objectives for total dissolved solids (TDS) and nitrate as nitrogen (nitrate) in each of the groundwater management zones (GMZs) within the Santa Ana River Watershed and requires triennial re-computation of ambient groundwater quality for these GMZs to determine assimilative capacity and compliance with the objectives.

The re-computation of the ambient water quality is to be performed by the Basin Monitoring Program Task Force (Task Force), which is administered by the Santa Ana Watershed Project Authority (SAWPA). The next re-computation must include an analyze of water quality based on the 20-year period (2002 to 2021) of groundwater quality data and is due to Santa Ana Water Board on October 1, 2023. The Task Force has contracted with West Yost, Water Systems Consulting, Inc. (WSC), Daniel B. Stephens & associates (DBS&A) to collect the necessary data and to re-compute ambient water quality for the period of 2002 to 2021. Pursuant to this requirement, the Task Force is requesting the Beaumont Basin Watermaster (Watermaster) to provide the following information to support the required computation of ambient water quality in the Beaumont groundwater management zone:

- GIS shapefile of groundwater elevation contour for 2021
- GIS raster or grid of groundwater elevation for 2021
- GIS raster or grid of aquifer property including specific yield, bottom of aquifer elevation, and aquifer layer elevations if applicable

We would like to receive the requested information by February 15, 2023. Submission of the requested information before or on February 15, 2023, will be much appreciated. Please contact West Yost staff, Sodavy Ou (sou@westyost.com or 949.600-7513), if you have any questions.

Sincerely,
WEST YOST



Samantha Adams
Project Manager, West Yost



BEAUMONT CHERRY VALLEY WATER DISTRICT

560 Magnolia Avenue • PO Box 2037

Beaumont, CA 92223-2258

Phone (951) 845-9581

www.bcvwd.org

Item VII - F
Attachment 3

PUBLIC RECORDS REQUEST

I, Sodavy Ou, representing SAWPA hereby request public records pursuant to the California Public Records Act, Government Code Section 6250-6258:

TITLE/DOCUMENT	DATE/PERIOD	# OF COPIES
Watermaster Consolidated Annual Rep.	2021	GIS raster or grid of GW elev. for 2021 GIS contour shapefile on Figure 3-8

I understand there is a fee for reproduction of all documents that I may request and I agree to pay the fee before the District makes copies.

Name:
Sodavy Ou

Company Name:
West Yost

Mailing Address:
23692 Birtcher Drive

E-mail:
sou@westyost.com

Job Title:
Associate Scientist I

Telephone No.:
(949) 600-7513

City, State & Zip:
Lake Forest, Ca, 92630

3/7/2023

Date _____

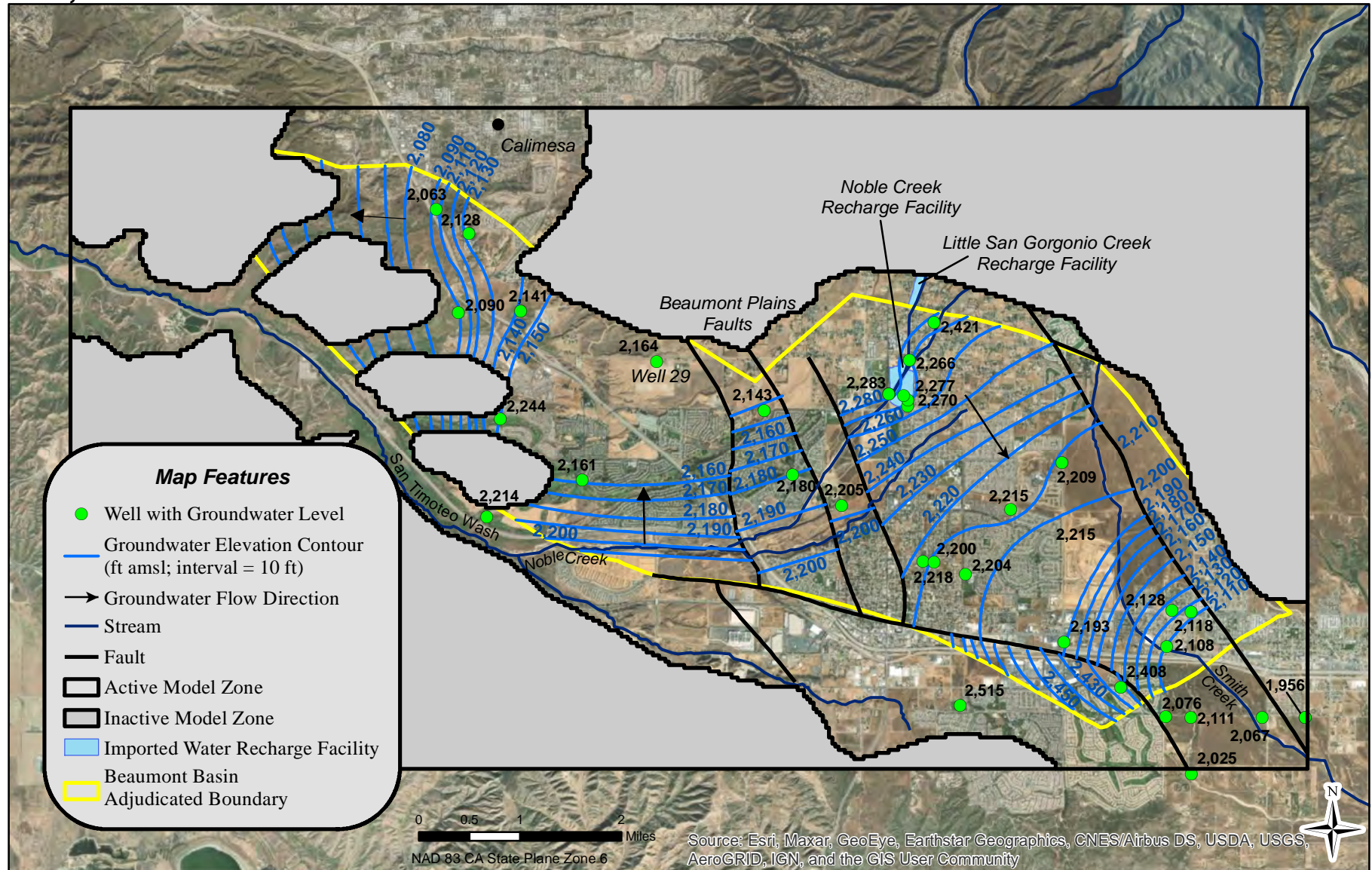
The District shall withhold from inspection any record that is exempt under the express provisions of the California Public Records Act, including those items set forth in accordance with Government Code section 6255, the District may withhold any other record if on the facts of the particular case the public interest served by not making a record public clearly outweighs the public interest served by disclosure of the record.

FOR DISTRICT USE ONLY

NUMBER OF PAGES	FEE PER COPY (\$0.25/PAGE)	AMOUNT DUE
	TOTAL AMOUNT DUE	

Item VII - F Attachment 4

Alda, Inc.



Thomas Harder & Co.
Groundwater Consulting

DRAFT
March 2022

**Groundwater Contours
in the Beaumont Basin - Winter 2021**
DRAFT
Figure 3-8