

Notice and Agenda of a Meeting of the Beaumont Basin Watermaster

Wednesday, February 7, 2018 at 10:00 a.m.

Meeting Location:

Beaumont Cherry Valley Water District
560 Magnolia Avenue
Beaumont, California 92223
(951) 845-9581

Watermaster Members:

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

I. Call to Order

II. Roll Call

City of Banning: Arturo Vela (Alternate: _____)
City of Beaumont: _____ (Alternate: Kyle Warsinski)
Beaumont Cherry Valley Water District: _____ (Alternate: Tony Lara)
South Mesa Water Company: George Jorritsma (Alternate: Dave Armstrong)
Yucaipa Valley Water District: Joseph Zoba (Alternate: 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.

V. Consent Calendar

- A. Meeting Minutes
 - 1. Meeting Minutes for August 2, 2017
 - 2. Meeting Minutes for August 30, 2017
 - 3. Meeting Minutes for October 4, 2017
 - 4. Meeting Minutes for December 6, 2017
 - 5. Meeting Minutes for January 10, 2018

VI. Reports

- A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering
- B. Report from Legal Counsel - Keith McCullough/Thierry Montoya, Alvarado Smith

VII. Discussion Items

- A. Status Report on Water Level Monitoring throughout the Beaumont Basin through January 24, 2018 [\[Memorandum No. 18-01, Page 24 of 48\]](#)
Recommendation: No recommendation.
- B. Presentation of the Draft 2017 Consolidated Annual Report and Engineering Report [\[Memorandum No. 18-02, Page 33 of 48\]](#)
Recommendation: No recommendation.

- C. Discussion Regarding Task Order No. 15 with ALDA Inc. for the Preparation of the 2017 Consolidated Annual Report, Estimate of the Basin Safe Yield, Update of the Groundwater Model, and Associated Consulting Services for 2018 [Memorandum No. 18-03, Page 34 of 48]

Recommendation: That the Watermaster Committee approves Task Order No. 15 for a sum not to exceed \$95,970 and invoice the Watermaster members accordingly.

- D. Discussion Regarding Task Order No. 16 with ALDA Inc. for the Installation, Maintenance, and Data Collection of Water Level Monitoring Equipment in 2018 [Memorandum No. 18-04, Page 40 of 48]

Recommendation: That the Watermaster Committee approves Task Order No. 16 for a sum not to exceed \$21,520 and invoice the Watermaster members accordingly.

- E. Presentation of Preliminary Recharge and Recovery Scenarios for Analysis to Estimate Storage Losses in the Beaumont Basin – Project Progress Update [Memorandum No. 18-05, Page 44 of 48]

Recommendation: No recommendation.

- Adjourn to Closed Session as Identified Below -

- Reconvene to Open Session -

- F. Consideration of Resolution No. 2018-01 Rescinding Resolution No. 2017-01 and Approving the Groundwater Storage Application and Groundwater Storage Agreement in the Beaumont Basin for the San Gorgonio Pass Water Agency in the Amount of 10,000 Acre Feet [Memorandum No. 18-06, Page 46 of 48]

Recommendation: That the Watermaster adopts Resolution No. 2018-01.

VIII. Topics for Future Meetings

- A. Development of a methodology and policy to account for new yield from capturing local stormwater in the basin.
- B. Development of a methodology and policy to account for groundwater storage losses in the basin resulting from the spreading of additional water sources.
- C. Development of a methodology and policy to account for recycled water recharge.
- D. Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster.
- E. Develop a policy to account for transfers of water that may result when an Appropriator provides water service to an Overlying Party.

IX. Comments from the Watermaster Committee Members

X. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, March 28, 2018 at 10:00 a.m.

XI. Closed Session

- A. Closed Session-Conference with Legal Counsel—Existing Litigation, Government Code section 54956.9:
 - i. Case: *San Geronio Pass Water Agency v. Beaumont Basin Watermaster, et al.*, Riverside Superior Court Case No. RIC 1716346.

XII. Adjournment

Consent Calendar

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Wednesday, August 2, 2017**

Meeting Location:

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

I. Call to Order

Chairman Arturo Vela called the meeting to order at 10:02 a.m.

II. Roll Call

<i>City of Banning</i>	<i>Arturo Vela</i>	<i>Present</i>
<i>City of Beaumont</i>	<i>Kyle Warsinski</i>	<i>Present</i>
<i>Beaumont Cherry Valley Water District</i>	<i>Tony Lara</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>

Kyle Warsinski was present as the alternate representing the City of Beaumont in the absence of Member Dave Dillon. Tony Lara was present as the alternate representing the Beaumont Cherry Valley Water District in the absence of Member Eric Fraser. David Armstrong was present as the alternate representing the South Mesa Water Company in the absence of Member George Jorritsma. Keith McCullough was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: Luwana Ryan, Mike Kostelecky, Ashley Gibson, John Covington, Bruce Granlund, Hannibal Blandon, David Dazlih, Ron Duncan, Matt Porras, and Kathryn Hallberg.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

No public comment was received at this time.

V. Consent Calendar

- A. Meeting Minutes
 - 1. Meeting Minutes for June 7, 2017

Legal Counsel McCullough pointed out that the proposed minutes contain a note indicating that Mr. Vela was absent and yet later is noted as having led the pledge and voting on an action item, so the note indicating his absence would need to be changed. Member Joseph Zoba moved to approve the

consent calendar with the noted change. The motion was seconded by Member Kyle Warsinski and passed 5-0.

VI. Reports

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

Engineer Hannibal Blandon stated that he had nothing to report beyond the agenda items he would be commenting on later.

- B. Report from Legal Counsel - Keith McCullough, Alvarado Smith

Legal Counsel Keith McCullough stated that he had nothing to report beyond the agenda items he would be commenting on later.

VII. Discussion Items

- A. Approval of the Watermaster Budget for Fiscal Year 2017-18 [Memorandum No. 17-17, Page 6 of 34]

Recommendation: That the Watermaster Committee approve the budget for Fiscal Year 2017-18 as presented.

Member Zoba gave a presentation on the proposed budget. Member Tony Lara made a motion to approve the Fiscal Year 2017-2018 budget as presented. Member David Armstrong seconded the motion and the motion passed 5-0.

- B. Consideration of Resolution No. 2017-02 Approving the Transfer of Overlying Water Rights to Specific Parcels – Oak Valley Partners [Memorandum No. 17-18, Page 8 of 34]

Recommendation: That the Watermaster Committee approves Resolution No. 2017-02.

Legal Counsel McCullough provided background information on the agenda item. After discussion amongst several Members, Member Lara motioned to defer the item until the next meeting.

John Ohanian, project manager for Oak Valley Partners (the Applicant), stated that the transfer of overlying rights in this scenario is consistent with the precepts of the Adjudication, and requested that the Watermaster make a decision on the matter today. Mike Turner, representing the developer of Summerwind Ranch, reiterated the request made by John Ohanian that the Watermaster make a decision on the matter today, specifically that it approves this item.

Dan Jagers, speaking on behalf of Beaumont Cherry Valley Water District, shared a few concerns held by the District related to this transfer of water rights.

Member David Armstrong seconded the original motion to defer the item until the next meeting.

Member Warsinski provided several comments on the item, stating that he was in agreement with the Resolution as stated today.

Member Zoba pointed out a conflict in prior overlying designations where the Watermaster provided for a specific amount of acre feet to go to a parcel but is now silent as to what happens in the redetermination of safe yield. Member Zoba stated that he felt that issue has been addressed in Resolution 2017-02, and that the Resolution is good in terms of the amount and works procedurally.

Chairman Vela spoke in support of deferring the Resolution and held a vote on the original motion by Member Lara, seconded by Member Armstrong, to defer the vote until the next meeting, and it passed 3-2, with Members Lara, Armstrong, and Vela in favor and Members Warsinski and Zoba opposed.

John Ohanian requested that the Watermaster hold a special meeting the following month to revisit Resolution 2017-02. Mike Turner requested that the Watermaster approve the Resolution today with modified language to address the concerns brought up by several Members.

After further discussion of a special meeting and dates proposed for said meeting, Member Zoba moved to schedule a special meeting for August 30, 2017 at 11: 00 a.m., to review Resolution 2017-02. The motion was seconded by Member Lara and passed 5-0.

C. 2016 Consolidated Annual Report and Engineering Report – Presentation of Draft Report [Memorandum No. 17-19, Page 20 of 34]

Recommendation: No recommendation - For discussion.

Engineer Blandon presented the draft 2016 Annual Report, which included discussion of groundwater conditions, groundwater production and recharge, transfers and adjustment of rights, and accounting of the storage.

Tom Harder, hydrogeologist for the Watermaster, next spoke about water level trends across the basin as well as the operating safe yield for the basin.

Engineer Blandon concluded the presentation of the draft 2016 Annual Report with an analysis and discussion of water quality in the basin, detailing levels of common analytes in each well, and provided recommendations to be considered by the Watermaster in the future.

D. Status Report on Water Level Monitoring throughout the Beaumont Basin through July 24, 2017 [Memorandum No. 17-20, Page 21 of 34]

Recommendation: No recommendation.

Engineer Blandon gave a status report of the water level monitoring being done at thirteen locations throughout the basin.

- E. Consideration of Task Order No. 14 with ALDA Inc. for the Preparation of a Methodology to Estimate Storage Losses from the Beaumont Groundwater Basin at Selected Locations [Memorandum No. 17-21, Page 29 of 34]

Recommendation: That the Watermaster Committee approves Task Order No. 14 for a sum not to exceed \$46,190.

Tom Harder provided an overview of the scope of services included in the proposed Task Order No. 14 for Preparation of a Methodology to Estimate Storage Losses from the Beaumont Groundwater Basin at Selected Locations.

After questions and discussion regarding the proposed timeline in the proposal, Member Warsinski shared the City of Beaumont's perspective regarding its perceived lack of benefit from the work being proposed and its belief that it should be regarded as a special project, and that the City of Beaumont could not participate in the funding of it. Member Zoba moved to approve Task Order No. 14, to be funded by four of the five Members. The motion was seconded by Member Lara and passed 5-0.

VIII. Topics for Future Meetings

- A. Development of a methodology and policy to account for new yield from capturing local storm water in the basin.
- B. Development of a methodology and policy to account for groundwater storage losses in the basin resulting from the spreading of additional water sources.
- C. Development of a methodology and policy to account for recycled water recharge.
- D. Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster.
- E. Develop a policy to account for transfers of water that may result when an Appropriator provides water service to an Overlying Party.

IX. Comments from the Watermaster Committee Members

X. Announcements

- A. A special meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, August 30, 2017 at 11:00 a.m.
- B. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, October 4, 2017 at 10:00 a.m.

XI. Adjournment

Chairman Vela adjourned the meeting at 11:28 a.m.

Attest:

Tony Lara, Secretary (Alternate)
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Wednesday, August 30, 2017**

Meeting Location:

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

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>Kyle Warsinski</i>	<i>Present</i>
<i>Beaumont Cherry Valley Water District</i>	<i>Tony Lara</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>

Kyle Warsinski was present as the alternate representing the City of Beaumont in the absence of Member Dave Dillon. Tony Lara was present as the alternate representing the Beaumont Cherry Valley Water District in the absence of Member Eric Fraser. David Armstrong was present as the alternate representing the South Mesa Water Company in the absence of Member George Jorritsma. Keith McCullough was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: John Ohanian, Kathryn Hallberg, Bruce Granlund, Matt Porras, Mike Kostecky, Fran Flanders, David Castaldo, and Hannibal Blandon.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

Judy Bingham quoted from minutes of the Watermaster meeting held on May 11, 2010. She proceeded to express her opinion regarding Member Kyle Warsinski's previous vote on the issue on the agenda for the current meeting and asked who is here to represent the people of Beaumont.

V. Reports

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

Engineer Hannibal Blandon reported on the anticipated timeline of the delivery of the final 2016 Consolidated Annual Report and Engineering Report, with distribution scheduled for the October 4, 2017 meeting.

He then presented a Preliminary Recharge and Recovery Scenarios Technical Memorandum, which provides five different scenarios for evaluating areas of recharge and potential water losses and recoveries from the basin, given a number of different conditions. There was some

B. Report from Legal Counsel - Keith McCullough, Alvarado Smith

Legal Counsel Keith McCullough stated that he had nothing to report beyond the agenda item he would be commenting on later.

VI. Discussion Items

A. Consideration of Resolution No. 2017-02 Approving the Transfer of Overlying Water Rights to Specific Parcels – Oak Valley Partners [Memorandum No. 17-22, Page 3 of 22]

Recommendation: That the Watermaster Committee approves Resolution No. 2017-02.

Engineer Blandon presented a map showing the parcels owned by Oak Valley Partners and pointed out that the parcels in blue are those listed in the Resolution.

Legal Counsel McCullough provided his firm's opinion that all designated quantified rights in the original judgment are subject to adjustment based upon a re-determined safe yield, and that it was well-contemplated within the judgment.

Member Joe Zoba moved to approve Resolution 2017-02.

Member Tony Lara expressed the Beaumont Cherry Valley Water District's desire to have return flows be credited back to an appropriator based on development and other activities in that service area. That led to a discussion among the Members and Engineer Blandon about the Watermaster's current methodology of accounting for return flows.

Judy Bingham expressed her opinion regarding the involvement of the law firm AlvaradoSmith in the decision to transfer water rights. She shared her opinion regarding the validity of the 2004 adjudication of the Beaumont Basin, and the formation of the San Timoteo Watershed Management Authority (STWMA) and this Watermaster Committee. She stated that Oak Valley Partners transferred all of their water rights over to the Beaumont Cherry Valley Water District to provide water for the Fairway Canyon development, leaving them with no water rights to transfer.

Member Zoba made an amended motion to approve Resolution 2017-02 with added language regarding the crediting of return flows back to an appropriator based on development and other activities in that service area.

The amended motion died for lack of a second. Member Zoba moved to approve Resolution 2017-02 as presented. The motion was seconded by Member Art Vela and a roll call vote was taken, with Members Zoba, Warsinski, Vela, and Armstrong voting in favor of the motion and Member Lara against.

VII. Topics for Future Meetings

- A. Development of a methodology and policy to account for new yield from capturing local storm water in the basin.
- B. Development of a methodology and policy to account for groundwater storage losses in the basin resulting from the spreading of additional water sources.
- C. Development of a methodology and policy to account for recycled water recharge.
- D. Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster.
- E. Develop a policy to account for transfers of water that may result when an Appropriator provides water service to an Overlying Party.

VIII. Comments from the Watermaster Committee Members

Member Zoba noted that in looking at the agenda, three agencies have only one individual assigned to the Watermaster, and expressed his viewpoint regarding the adjudication as a peace treaty among all of the Member agencies, ensuring they all know how the Basin is going to be managed. He requested that Legal Counsel forward a letter to the general manager or city manager of each agency as an encouragement to assign an individual from the agency so that each agency would have an alternate and regular Member. There was a consensus among the other Members for Legal Counsel to move forward with the suggestion.

IX. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, October 4, 2017 at 10:00 a.m.

X. Adjournment

Chairman Vela adjourned the meeting at 11:22 a.m.

Attest:

Tony Lara, Secretary (Alternate)
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Wednesday, October 4, 2017**

Meeting Location:

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

I. Call to Order

Chairman Arturo Vela called the meeting to order at 10:00 a.m.

II. Roll Call

<i>City of Banning</i>	<i>Arturo Vela</i>	<i>Present</i>
<i>City of Beaumont</i>	<i>Kyle Warsinski</i>	<i>Present</i>
<i>Beaumont Cherry Valley Water District</i>	<i>Tony Lara</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>George Jorritsma</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joseph Zoba</i>	<i>Present</i>

Keith McCullough was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: Mike Kostelecky, Fran Flanders, Steve Lehtonen, Tom Harder, and Hannibal Blandon.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

None.

V. Consent Calendar

Member Zoba moved to approve the meeting minutes for August 2, 2017, and August 30, 2017. The motion was seconded by Member Lara.

AYES:	Jorritsma, Lara, Vela, Warsinski, Zoba
NOES:	None
ABSTAIN:	None
ABSENT:	None
STATUS:	Motion Approved

VI. Reports

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

Engineer Hannibal Blandon gave a brief report.

- B. Report from Legal Counsel - Keith McCullough, Alvarado Smith

Legal Counsel Keith McCullough stated there has been follow up with the City of Banning, the City of Beaumont and the Beaumont-Cherry Valley Water District regarding appointment of representatives to this Committee. A motion will be submitted to the Riverside Superior Court.

VII. Discussion Items

- A. Nomination of the Beaumont Basin Watermaster Committee - Secretary

Recommendation: That the members of the Watermaster Committee nominate an individual from the Watermaster Committee to be Secretary.

Member Zoba nominated Tony Lara of the Beaumont-Cherry Valley Water District as Secretary of the Watermaster Committee. The motion was seconded by Member Warsinski.

AYES:	Jorritsma, Lara, Vela, Warsinski, Zoba
NOES:	None
ABSTAIN:	None
ABSENT:	None
STATUS:	Motion Approved

- B. Status Report on Water Level Monitoring throughout the Beaumont Basin through September 25, 2017

Recommendation: No recommendation.

Engineer Hannibal Blandon drew attention to a map of well locations for potential water level monitoring. He indicated new locations of Beaumont-Cherry Valley Well 21 in the Chicken Ranch area, and in Desert Lawn. If successful, there will be sixteen wells located throughout the basin.

Engineer Blandon continued with a status report of the water level monitoring being done.

- C. Potential Scenarios to be Evaluated using the Groundwater Model for Analyzing Basin Losses

Recommendation: No recommendation.

Mr. Tom Harder, hydrogeologist for the Watermaster, presented three scenarios and alternates to determine water losses. He reminded the group that the losses must be accounted for in order to keep water balances whole and to avoid trouble with the County in ten years.

He noted that in August, he presented scenarios to the committee and on August 30 presented a Technical Memorandum with five scenarios for analysis using a model to determine how storage losses change with different stresses in the basin, including fault lines.

Mr. Harder presented detail on three scenarios and sub-scenarios for entering into the model. The group discussed the variables of recharge, stormwater capture, hydrologic conditions (drought vs. wet), additional wells, and development. Mr. Harder requested submission of written comments within the following week.

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

Recommendation: That the Watermaster Committee receives and files the Independent Accountant's Financial Report for the period ending June 30, 2017.

Member Lara moved to receive and file the Independent Accountant's Financial Report for the period ending June 30, 2017. The motion was seconded by Member Jorritsma.

AYES:	Jorritsma, Lara, Vela, Warsinski, 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 new yield from capturing local storm water in the basin.
- B. Development of a methodology and policy to account for groundwater storage losses in the basin resulting from the spreading of additional water sources.
- C. Development of a methodology and policy to account for recycled water recharge.
- D. Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster.
- E. Develop a policy to account for transfers of water that may result when an Appropriator provides water service to an Overlying Party.

IX. Comments from the Watermaster Committee Members

There were no comments.

X. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, December 6, 2017 at 10:00 a.m.

XI. Closed Session: 10:54 a.m.

- A. Closed Session-Conference with Legal Counsel—Existing Litigation, Government Code section 54956.9:
 - i. Case: *San Geronio Pass Water Agency v. Beaumont Basin Watermaster, et al.*, Riverside Superior Court Case No. RIC 1716346.

There was no reportable action taken.

XII. Adjournment

Chairman Vela adjourned the meeting at 11:40 a.m.

Attest:

Tony Lara, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the
Beaumont Basin Committee Meeting of the
Beaumont Basin Watermaster
Wednesday, December 6, 2017**

Meeting Location:

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

I. Call to Order

Chairman Arturo Vela called the meeting to order at 10:04 a.m.

II. Roll Call

<i>City of Banning</i>	<i>Arturo Vela</i>	<i>Present</i>
<i>City of Beaumont</i>	<i>Kyle Warsinski</i>	<i>Present</i>
<i>Beaumont Cherry Valley Water District</i>	<i>Tony Lara</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>George Jorritsma</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joseph Zoba</i>	<i>Present</i>

Thierry Montoya was present representing legal counsel for the Beaumont Basin Watermaster.

Thomas Harder and Hannibal Blandon were present as consultants and engineers of the Beaumont Basin Watermaster.

Members of the public who registered or were in attendance were: Jennifer Ares, William Clayton, Jeff Davis, David Fenn, Fran Flanders, Dan Jagers, Lynda Kerney, Mike Kostelecky, Steve Lehtonen, and Tom Shalhoub.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

None.

V. Consent Calendar

Chairman Vela announced the Consent Calendar would be tabled to the February 2018 meeting.

VI. Reports

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

Engineer Hannibal Blandon advised that the draft annual report will be submitted to the Committee at the February meeting, with the final ready for approval at the

special meeting in March, in order to complete the report and submit it to the State on time.

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

Legal Counsel Thierry Montoya advised that all have submitted their committee members and alternates. He will file a motion with the Riverside County Superior Court for approval of all members.

VII. Discussion Items

- A. Status Report on Water Level Monitoring throughout the Beaumont Basin through November 27, 2017

Recommendation: No recommendation.

Engineer Hannibal Blandon updated the Committee on groundwater monitoring wells, including a new monitor at Well #5. Additional wells are being sought in the west portion of the basin. South Mesa Well #4 proved incompatible with the monitoring probe.

Mr. Blandon reported on fluctuations in water levels from May 2015 through November 2017. He drew attention to Banning #8 which has seen a 20 foot decline over the last two years. In response to a question from Member Jorritsma, he noted that the Noble Creek Well level has increased by 80 feet in the last 18 months.

- B. Potential Storage Losses Evaluation – Progress Report

Recommendation: No recommendation.

Mr. Tom Harder, hydrogeologist for the Watermaster, reported that he will finish the models in two weeks, then begin running scenarios. He noted that he had been asked to model future scenarios as realistically as possible, and will therefore include recharge activities. He is making sure the data is consistent with the agencies. Preliminary results will be presented at the February meeting.

VIII. Topics for Future Meetings

- A. Development of a methodology and policy to account for new yield from capturing local storm water in the basin.
- B. Development of a methodology and policy to account for groundwater storage losses in the basin resulting from the spreading of additional water sources.
- C. Development of a methodology and policy to account for recycled water recharge.
- D. Develop a protocol to increase the accuracy and consistency of data reported to the Watermaster.
- E. Develop a policy to account for transfers of water that may result when an Appropriator provides water service to an Overlying Party.

IX. Comments from the Watermaster Committee Members

There were no comments.

X. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, February 7, 2018 at 10:00 a.m.

XI. Closed Session: 10:20 a.m.

Watermaster Committee members and alternates: Arturo Vela, Kyle Warsinski, Tony Lara, George Jorritsma, Joseph Zoba, and Jennifer Ares were present in closed session with Legal Counsel Thierry Montoya to discuss the following item:

- A. Closed Session-Conference with Legal Counsel—Existing Litigation, Government Code section 54956.9:
- i. Case: *San Gorgonio Pass Water Agency v. Beaumont Basin Watermaster, et al.*, Riverside Superior Court Case No. RIC 1716346.

Reconvene to Open Session: 11:00 a.m.
There was no reportable action taken.

XII. Adjournment

Chairman Vela adjourned the meeting at 11:00 a.m.

Attest:

Tony Lara, Secretary
Beaumont Basin Watermaster

**Record of the Minutes of the Special Meeting of the
Beaumont Basin Committee of the Beaumont Basin Watermaster
Wednesday, January 10, 2018**

Meeting Location:

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

I. Call to Order

Chairman Arturo Vela called the meeting to order at 11:31 a.m.

II. Roll Call

<i>City of Banning</i>	<i>Arturo Vela</i>	<i>Present</i>
<i>City of Beaumont</i>	<i>Kyle Warsinski</i>	<i>Present</i>
<i>Beaumont Cherry Valley Water District</i>	<i>Tony Lara</i>	<i>Present</i>
<i>South Mesa Water Company</i>	<i>George Jorritsma</i>	<i>Present</i>
<i>Yucaipa Valley Water District</i>	<i>Joseph Zoba</i>	<i>Present</i>

Legal Counsel: Thierry Montoya

Staff Present: William Clayton

Members of the public who registered or attended were: David Fenn, Ron Duncan, Larry Stephenson and Tom Shalhoub.

III. Pledge of Allegiance

Chairman Vela led the pledge of allegiance.

IV. Public Comments

Mr. David Fenn: Mr. Fenn stated he is the President of the San Geronio Pass Water Agency (SGPWA) but is here as an individual, not representing the SGPWA. He requested the Committee reconsider its storage account with no conditions. The SGPWA is a regional agency and representing the needs of and providing water to the seven agencies within its jurisdiction and any other agency which may purchase water in the future. He opined that the conditions are unfair, and the SGPWA was not treated the same as other entities. He believes it is not the best use of public funds to have things tied up with legal fees. He asked the Committee to reconsider and re-vote on the storage account with no conditions.

*Mr. Fenn read an email from Dr. Blair Ball who was unable to attend:
Dr. Ball wrote that he is a Director of SGPWA but is speaking only as a taxpayer. He favors removal of the conditions placed on the SGPWA's water account, as they are restrictive when compared with other Watermaster accounts, which can create an unhealthy atmosphere. Time, energy and money spent over the restrictions will be counterproductive.*

Mr. Ron Duncan: Mr. Duncan said he echoes the points made by Mr. Fenn. He asked the Committee to reconsider and remove the conditions on the storage account. As a Director of the SGPWA, he feels they are restrictive. He expressed concern over the first right of

refusal and said it makes sense not to have something like that on there. He indicated the SGPWA is in agreement with the other three. Mr. Duncan said he supports the statements by Director Ball. He noted that it feels good to make progress and work together. He said the SGPWA is working hard to bring new water deals and he hopes to continue to work together.

Mr. Lenny Stephenson: Mr. Stephenson stated that he is a Director at SGPWA but is not representing SGPWA. He stated the mission of the SGPWA and noted that his agency is not in competition with the retailers, but strongly desires to partner to assure water needs are met. He advised that it is paramount that the SGPWA have a storage account in the Beaumont Basin to accomplish its mission; an account no different and with no more restrictions than any other account. He noted that the agency was established by the San Gorgonio Pass Water Agency Act and as elected officials, their duty is to uphold that Act. There is no desire to prolong the disagreement between the agencies, the cost of which is borne by the taxpayers. He said he asks only that the Board respect SGPWA's position. He advised that SGPWA will defend the rights of its constituents and suggested trying harder to work together on the same goal: water. Mr. Stephenson explained the SGPWA could not carry out its mission if it were to accept a conditional storage account limiting its rights and responsibilities. SGPWA is here to help meet water needs, he said, and implored the Committee members to vote to remove the conditions on its storage account and begin working as partners for the greater good.

V. Announcements

- A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, February 7, 2018 at 10:00 a.m.

VI. Closed Session: 11:40 a.m.

Watermaster Committee members and alternates Arturo Vela, Kyle Warsinski, Tony Lara, George Jorritsma, and Joseph Zoba were present in closed session with Legal Counsel Thierry Montoya to discuss the following item:

- A. Closed Session-Conference with Legal Counsel—Existing Litigation, Government Code section 54956.9:
 - i. Case: *San Gorgonio Pass Water Agency v. Beaumont Basin Watermaster, et al.*, Riverside Superior Court Case No. RIC 1716346.

Reconvene to Open Session: 12:30 p.m.
There was no reportable action taken.

VII. Adjournment

Chairman Vela adjourned the meeting at 12:30 p.m.

Attest:

Tony Lara, Secretary
Beaumont Basin Watermaster

Reports

Discussion Items

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-01

Date: February 7, 2018

From: Hannibal Blandon, ALDA Inc.

Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin through January 24, 2018

Recommendation: No recommendation.

At the present time, there are 14 monitoring wells 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.

Water levels at selected locations are depicted in Figures 2 through 6 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. At YVWD No. 34 the water level is fairly stable; it has increased a mere three feet over the last 2 years. Data for the last six months was not recorded at this location despite of the fact that a new probe was installed in November 2017. Another new probe was installed during our January visit to the site as the previous probe recorded information was erroneous. Similarly, water level at Oak Valley No. 5 rose over five feet in the March 2016 to January 2018 period. The probe and communications cable seem to be working just fine after the previous cable was stuck in the well for over two months.
- ✓ Figure No. 3 – Two of the Noble Creek observation wells are presented in this figure representing the shallow and deep aquifers. In the shallow aquifer, the water level has increase close to 80 feet over the last 18 months from a low of 2,337 ft. to 2,416 ft., recorded at the end of January 2018. Levels in the deep aquifer have risen recently to their highest elevation (2,262 ft) since the summer of 2015.
- ✓ Figure No. 4 – Southern Portion of the Basin. Water level at the Summit Cemetery well is highly influenced by a nearby pumping well that is used to irrigate the cemetery grounds. The Water level at this well was not available for the previous report as cemetery personnel were not present to open the gate to the well; however, the data continued to be recorded. The water level at this well continues to fluctuate over a 20-foot band. Conversely, the water level at the Sun Lakes well has fluctuated minimally over the same period as it decreased two feet. Water

level at this well was erroneously recorded by the probe since the November 2017 visit.

- ✓ Figure No. 5 illustrates 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 two years, a somewhat significant and steady decline, close to 23 feet, has been recorded at Banning M-8. Levels at Banning M-9 have fluctuated within a 10-15 feet range during the same period.
- ✓ Figure No. 6 illustrate recorded water level at BCVWD No. 2 and the new monitoring well BCVWD No. 25. Over the last two years, the level at BCVWD No. 2 has increased by over 20 feet topping in May 2017 at an elevation of 2,218 ft. The level at this well declined by ten feet before recovering again over the last six months. Water level at BCVWD No. 25 seems to be in sync with BCVWD No. 2 based on the short recording period of only two months.

Troubleshooting Issues

The following malfunctioning issues were encountered during our July 25, 2016 field visit:

- ✓ YVWD Well No. 34 – Both communication cable and probe were not working at this well prior to the November visit. At that time a new probe was installed; however, it did not record the water level information properly. This probe was removed at the January field visit and another new probe was installed. It was also observed that the reason there is no communication with the probe inside the well is that the existing communications cable has been cut at several locations. A new cable needs to be ordered for this well.
- ✓ The probe was replaced, but the 400 ft communication cable was not replaced at this time; a new 400 ft cable needs to be ordered for this site.
- ✓ Sun Lakes Well – A new 200 ft communication cable was installed during the November visit and it is working fine as we were able to communicate with the probe; however, the information collected by the probe did not make any sense.
- ✓ Banning M-8 – The communication and probe equipment at this well have been very reliable until now. During our January visit, we were in the process of sounding the well when a somewhat violent force took the communications cable away from Mr. Jason Vasquez, a City of Banning Water Department staff member. It seems like a portion of the casing collapse while we were sounding the well. This action resulted in the sounding cable being stuck along with the communications cable. We were able to retrieve the communications cable and water level probe. However, after close to 45 minutes of trying to dislodge the sounding probe we gave up as it was impossible to remove. The sounding probe was stuck at 330 feet below surface and could not be dislodge. As a result, the sounding cable was cut and let go. Thereafter, we made several attempts to reinstall the water level probe, but were not successful as the cable kept on

hanging at around the same depth we lost the sounding probe. Unfortunately Banning M-8 well is no longer useful for monitoring water levels in the basin.

- ✓ Barometric Probe at Banning M-9 stop working on New Year's Day. We still do not know the reason for this and we will visit the site after the regular Board meeting in February 7th, 2018.

New Monitoring Sites

A new water level probe was installed at BCVWD Well No. 25, located in the central/eastern portion of the basin. The probe sits at 650-ft below ground in this pumping well. Static level at this well was measured at 493 ft below surface while pumping level is in the mid-500s.

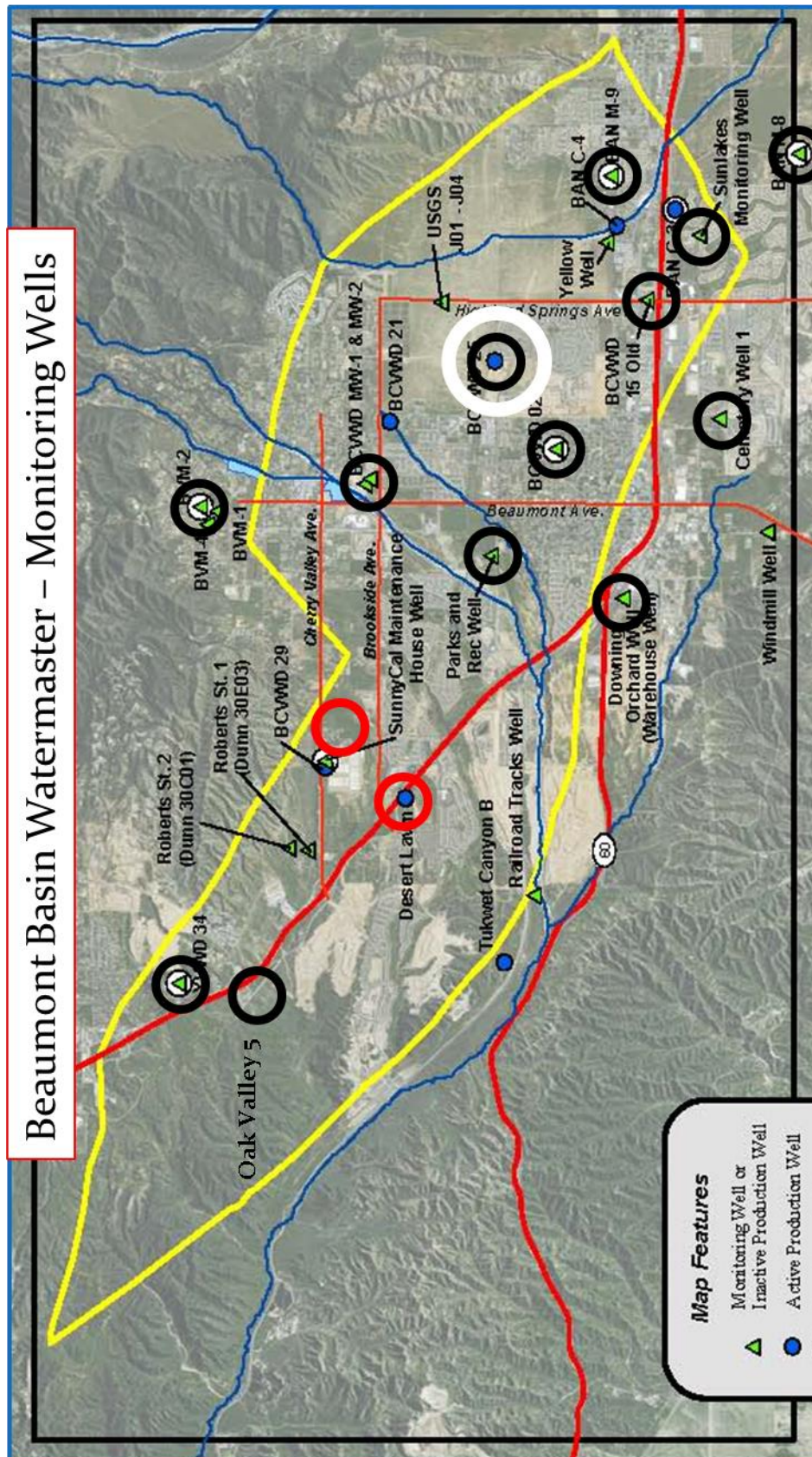
Potential New Monitoring Sites

Potential new monitoring sites include:

- Sharondale Home Owner Association wells
- Rancho Calimesa Mobile Home Park
- Desert Lawn
- Sunny Cal Ranch Area
- Plantation by the Lake well

New Equipment Requirements

- A 600 ft sounding probe
- A 400 ft communications cable for YVWD Well No. 34



Wells with Working Monitoring Probes	
Bonita Vista No. 2	BCVWD Old 15 (Banning)
Noble Creek Ponds 4 Deep	Summit Cemetery No. 1
Noble Creek Ponds 4 Shallow	Sun Lakes Golf Course
Noble Creek Park	Banning M-8
BCVWD No. 2	Banning M-9
BCVWD No. 25	YVWD No. 34
Oak Valley Partners No. 5	ICON Warehouse



Potential Monitoring Wells	
Desert Lawn	Sunny Cal Ranch Area
Rancho Calimesa Mobile HP	Sharondale Mesa Owners A.

Figure No. 2
Static Groundwater Elevations at YVWD No. 34 and Oak Valley No. 5
 (July 29, 2015 through January 23, 2018)

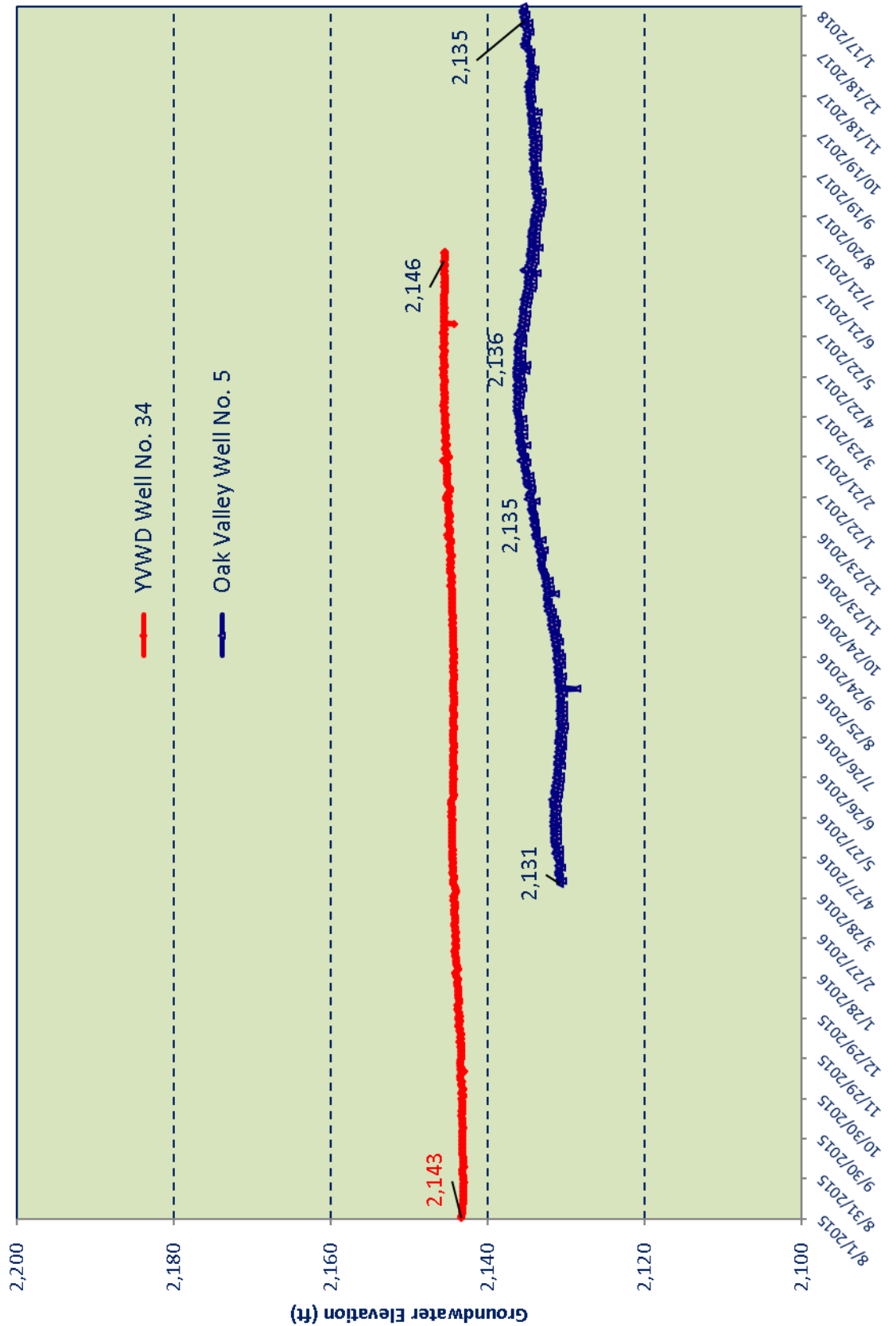


Figure No. 3
Static Groundwater Elevations at Noble Creek Obs. Well 4S and 4D
 (May 28, 2015 through January 23, 2018)

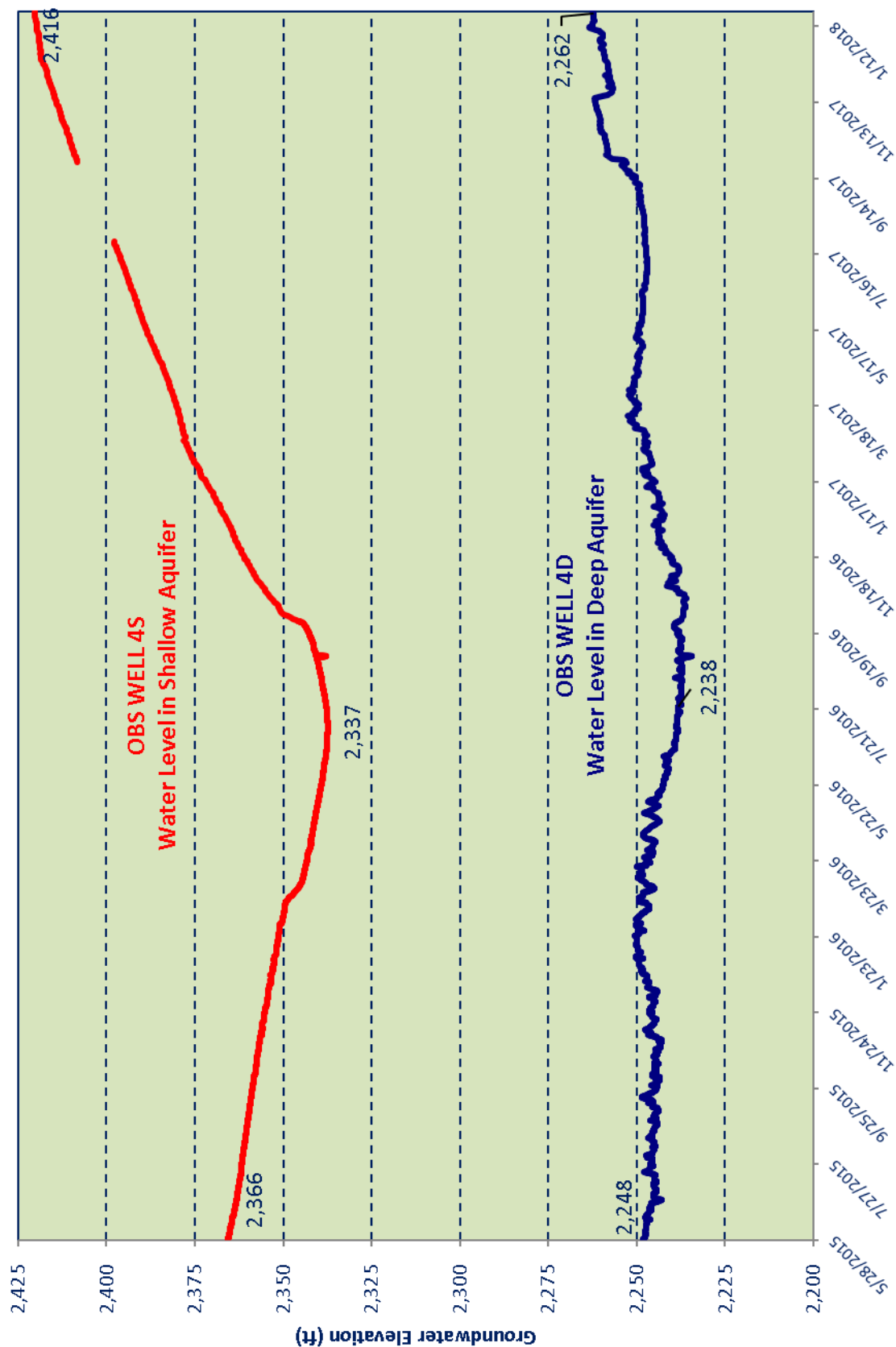


Figure No. 4
Static Groundwater Elevations at Summit Cemetery and Sun Lakes Wells
 (May 28, 2015 through January 23, 2018)

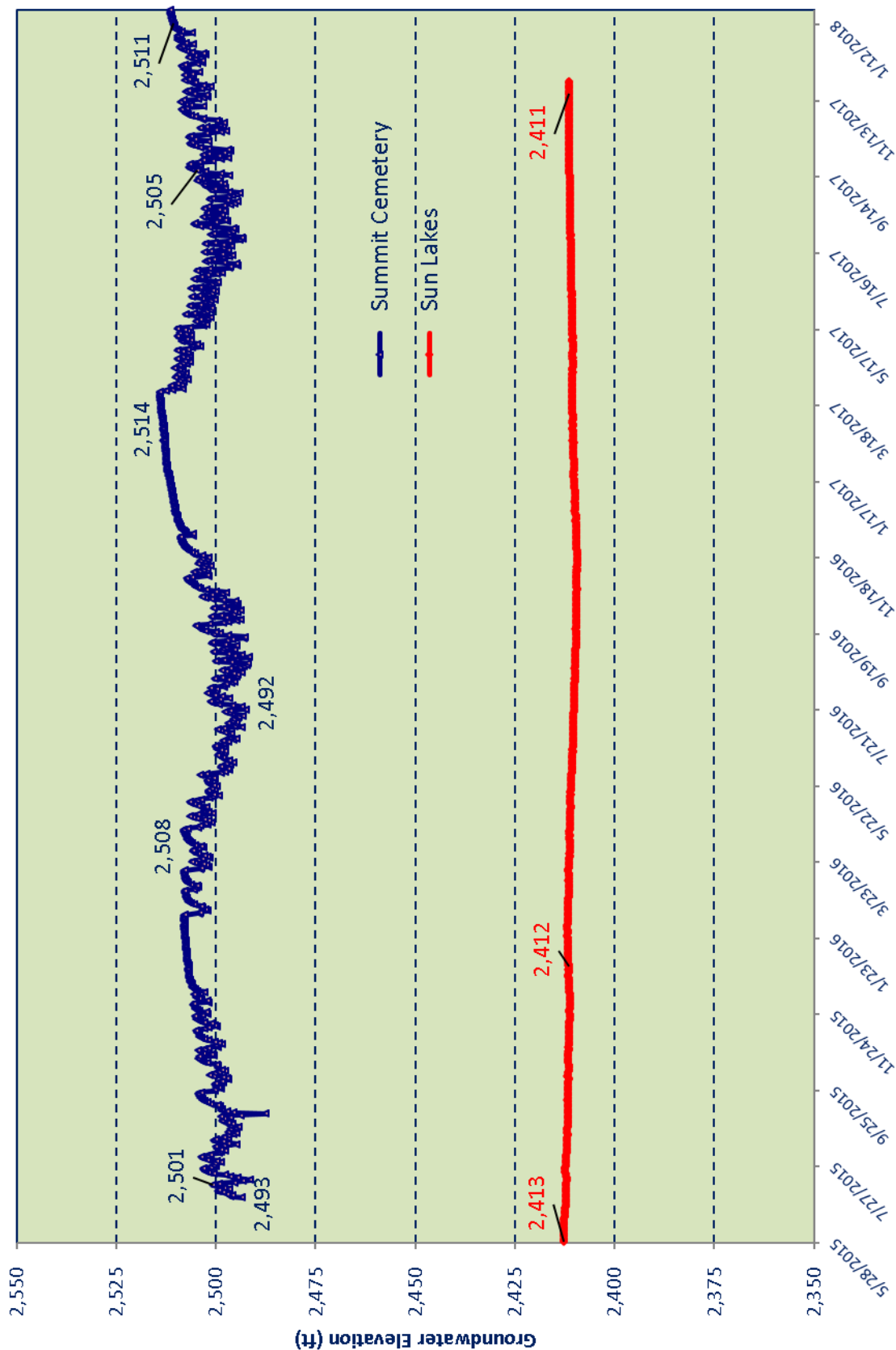


Figure No. 5
Static Groundwater Elevations in the Banning Area
 (May 28, 2015 through January 23, 2018)

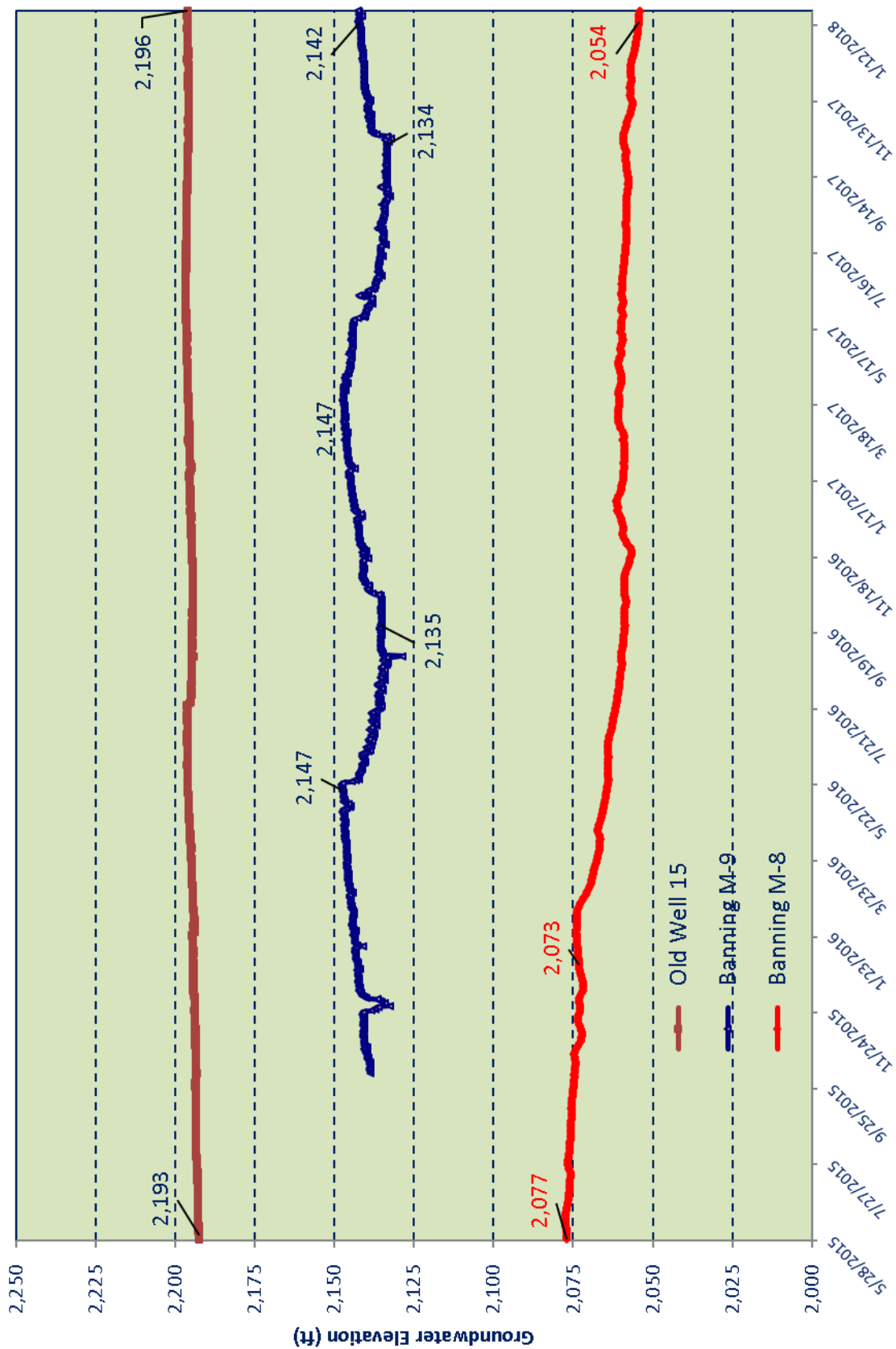
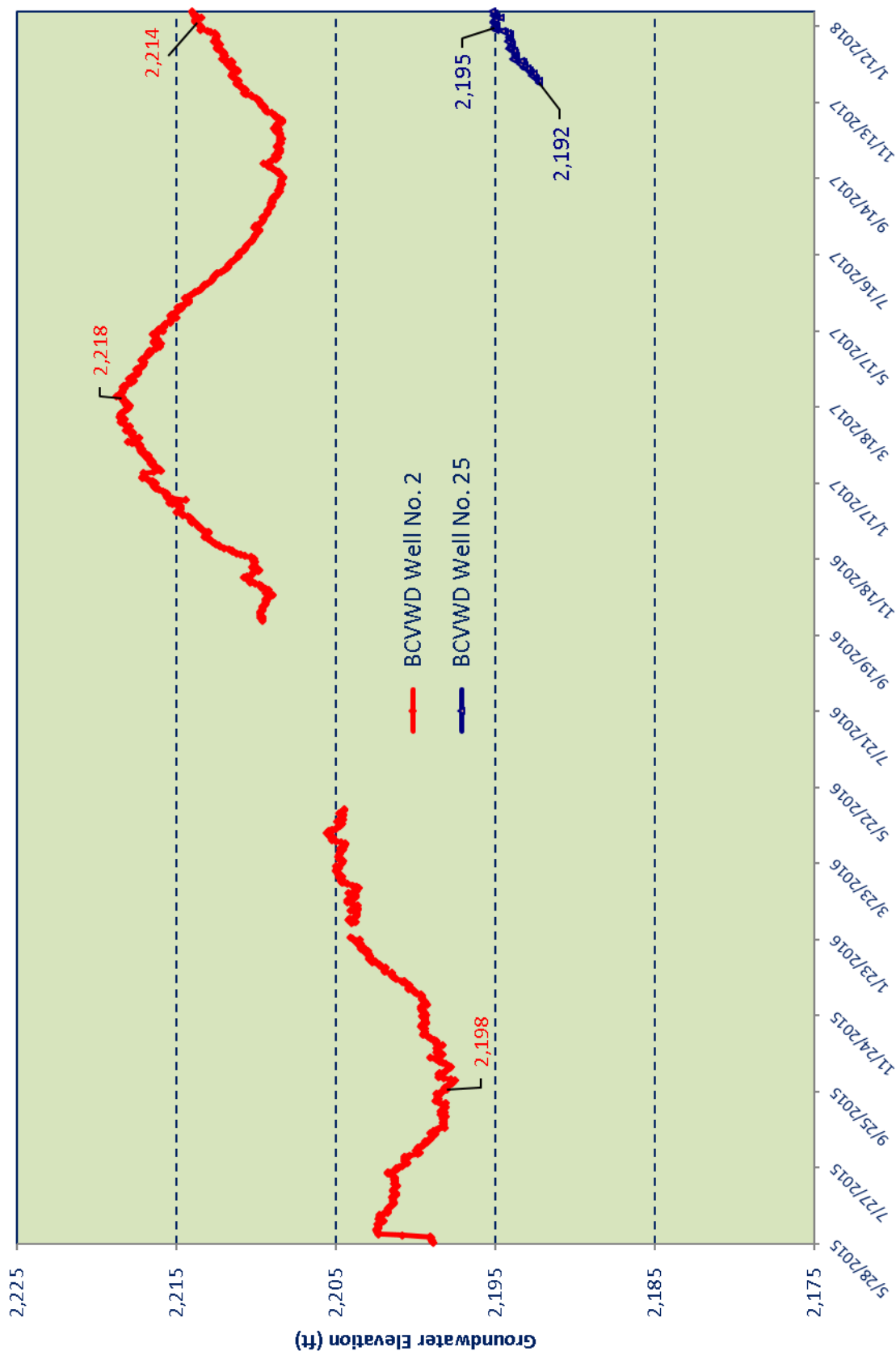


Figure No. 6
Static Groundwater Elevations at BCVWD Wells No. 2 and 25
 (May 28, 2015 through January 23, 2018)



BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-02

Date: February 7, 2018

From: Hannibal Blandon, ALDA Inc.

Subject: Presentation of the Draft 2017 Consolidated Annual Report and Engineering Report

Recommendation: No recommendation.

ALDA Inc., in Association with Thomas Harder & Company, will distribute and make a formal presentation of the draft of the 2017 Beaumont Basin Consolidated Annual Report and Engineering Report. The presentation will include conditions of the basin including groundwater production, water levels, spreading, and water quality conditions that occurred during 2017.

Committee members will have the opportunity to ask questions and comment on the various sections of the report and presentation.

The Draft 2017 Consolidated Annual Report is available online from the “Documents & Publications” section of the Beaumont Basin Watermaster website (www.beaumontbasinwatermaster.org) or from the following link:

<http://documents.yvwd.dst.ca.us/bbwm/documents/2017draftannualreport180207.pdf>

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-03

Date: February 7, 2018

From: Joseph Zoba, Treasurer

Subject: Discussion Regarding Task Order No. 15 with ALDA Inc. for the Preparation of the 2017 Consolidated Annual Report, Estimate of the Basin Safe Yield, Update of the Groundwater Model, and Associated Consulting Services for 2018

Recommendation: That the Watermaster Committee approves Task Order No. 15 for a sum not to exceed \$95,970 and invoice the Watermaster members accordingly.

A new task order is necessary to authorize ALDA Inc. to provide technical support services to the Watermaster Committee during Calendar Year 2018.

The proposed scope of services for Task Order No. 15, consistent with previous years, provides for the preparation of the 2017 Consolidated Annual Report, estimate of the 2017 Safe Yield of the Beaumont Basin, and Associated Consulting Services in support to Watermaster activities during 2018. In addition, this task order incorporates the annual update of the groundwater model to 2017 hydrologic conditions.

The estimated cost of completion is based on the amended rates for 2017-21 calendar years and it is the same cost used under Task Order No. 12 for similar services provided during calendar year 2017.

The financial impacts associated with the proposed contract would result in a budget line item of approximately \$96,000.00, and if approved would result in an invoice sent to each Watermaster Committee member in the amount of \$19,194.00.

ALDA Inc.

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

February 7, 2018

Joseph B. Zoba, General Manager
Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399

Subject: **Beaumont Basin Watermaster – Task Order No. 15
Preparation of the 2017 Operating Safe Yield and Annual Report and
Engineering Support Services for Calendar Year 2018**

Dear Mr. Zoba:

Please find attached our proposed scope of services and consulting fee for Task Order No. 15 under the Engineering Services contract with the Beaumont Basin Watermaster dated May 10, 2012 and amended in February 2017. The proposed scope of services includes a) the preparation of the consolidated Annual Report for 2017, b) an estimate of the operating safe yield for 2017, c) the update of the groundwater model to include 2017 hydrologic data, and d) provide general consulting services in support to Watermaster activities during 2018.

We welcome your thorough review of our proposed scope services. Should you have any questions on our proposed services or need further information, please contact us at 909-587-9916 during normal business hours.

Very truly yours

ALDA Inc.



F. Anibal Blandon, P.E.
Principal

Beaumont Basin Watermaster – Task Order No. 15
2017 Annual Report and Associated Consulting Services for 2018

Feb 7, 2018

TASK OBJECTIVES

The objectives of Task No. 15 are as follows:

- A. Prepare the consolidated Annual Report for CY 2017
- B. Estimate the Operating Safe Yield for Calendar Year 2017
- C. Update groundwater model to include 2017 hydrologic data
- D. Provide general consulting support services during 2018

SCOPE OF SERVICES

Task 1 – Data Collection

The ALDA/TH&Co team will collect, compile, and tabulate the following data:

- ✓ Climate and hydrologic information
- ✓ Monitoring and data collection programs
- ✓ Monthly water production from member agencies
- ✓ Monthly imported water recharge by each party
- ✓ Monthly rainfall from the USGS, Army Corps, and/or National Weather Service
- ✓ Monthly static groundwater levels at dedicated monitoring wells and selected production wells from the water agencies
- ✓ Monthly deliveries of imported water, groundwater from other basins, and surface water diversions from various water agencies
- ✓ Semi-annual static groundwater levels from production wells
- ✓ Water quality information as documented in the California Department of Public Health database.
- ✓ Water quality information from the Beaumont Management Zone Maximum Benefit Program

Task 2 – Preparation of Consolidated Annual Report and Engineering Report

The expanded annual report will consolidate the topics discussed in previous annual reports and those included in the bi-annual Engineering Report. The ALDA/TH&Co team will prepare a draft and a final annual report documenting the operations of the Beaumont Basin Watermaster. This includes water levels, water transfers between agencies, water production, assessment of basin conditions, carryovers, replenishment obligations and water quality conditions throughout the basin. In addition, the report will incorporate the results of the Operating Safe Yield analysis, conducted under Task 3 and long-term hydrographs from selected wells in the basin. The report will also include the annual independent financial reports (prepared by others) and a description of Watermaster activities and Board actions.

With regards to water quality, the analysis will initially focus on Nitrate and TDS comparing them to Basin Objectives. In addition, the presence of selected constituents

Beaumont Basin Watermaster – Task Order No. 15
2017 Annual Report and Associated Consulting Services for 2018

Feb 7, 2018

in drinking water will be documented. The report will document current water quality concentrations in relation to current Federal and State Drinking Water Standards.

Ten color copies of the draft and final annual reports will be provided along with a digital file of the report. In addition, an editable database will be provided that includes all supporting information for the annual report.

Task 3 – Annual Determination of the Operating Safe Yield

The ALDA/TH&Co team will review groundwater levels, groundwater production, and groundwater recharge data for the Beaumont Basin area as a basis for determining the annual operating safe yield (OSY) of the basin for the Calendar Year 2017. The focus of the review will be groundwater level trends at the eight monitoring wells previously reported in the annual reports. Groundwater level trends will be evaluated in the context of groundwater production and basin and artificial recharge in order to make a determination of OSY.

The ALDA/TH&Co team will generate an Annual OSY Technical Memorandum (TM) that summarizes the analysis and provides a recommended OSY for the upcoming year. The TM will be suitable for incorporation into the Annual Report.

Task 4 – Update Groundwater Model to 2017 Conditions

The ALDA/TH&Co team will prepare and input the 2017 groundwater levels, groundwater production, and artificial recharge into the groundwater flow model for analysis. The model will be run with the updated data and the results analyzed to validate the calibration. The budget for this task assumes that additional calibration will not be necessary.

Task 5 – Review of Rules and Regulations

The ALDA/TH&Co team will review the existing Rules and Regulations annually to determine whether it reflects current policies/practices and will make recommendations that will be documented as part of the annual report.

Task 6 – Meeting Attendance and Agenda Assistance

The ALDA/TH&Co team will prepare for, attend, and participate in up to six (6) regular Watermaster meetings in 2018. In addition, the ALDA/TH&Co team will assist in agenda preparation as required by Watermaster.

SCHEDULE

A draft of the annual report and operating safe yield will be presented to the Beaumont Basin Watermaster at the February 2018 Board meeting. Comments on the draft annual report will be addressed and presented at the March 28, 2018 Board meeting. General consulting support services will be provided throughout the year.

Beaumont Basin Watermaster – Task Order No. 15
2017 Annual Report and Associated Consulting Services for 2018

Feb 7, 2018

COST ESTIMATE

Our estimated cost to perform the scope of work as outlined herein is \$95,970.00 (Ninety Five Thousand Nine Hundred Seventy Dollars and 00/100); this estimate is based on 651 technical and administrative hours and is summarized in the attached table by task and sub-task. This cost is identical to Task Order No. 12 for similar services provided during calendar year 2017.

Billing rates for the 2018 Calendar Year are based on the new amended contract and are applicable through 2021.

Beaumont Basin Watermaster Billing Rates for Task Order No. 15

Billing Rates for ALDA Inc.

Billing rates for Task Order No. 15:

Position	Hourly Rate
Project Manager	\$180.00
Project Engineer	\$150.00
Staff Engineer	\$130.00
Graphics / Designer Drafter	\$ 95.00
Clerical	\$ 65.00

Billing Rates for Thomas Harder and Company

Billing rates for Task Order No. 15:

Position	Hourly Rate
Principal Hydrogeologist	\$180.00
Senior Hydrogeologist	\$140.00
Project Hydrogeologist	\$120.00
Staff Hydrogeologist	\$ 95.00
Field Technician	\$ 70.00
Graphics	\$ 85.00
Clerical	\$ 65.00
Expert Witness	\$360.00

Beaumont Basin Watermaster - Task Order No. 15
Preparation of Expanded Annual Report and Operating Safe Yield for 2017
and General Support Services for 2018

Task / Subtask	ALDA Inc.		Thomas Harder & Co.				Total Hours	Cost (\$)
	PM	PE	Principal Hydrologist	Project Hydrologist	Staff Hydrologist	Graph		
Task 1 - Data Collection	20	60					80	\$ 12,600
Task 2 - 2017 Annual Report							276	\$ 39,480
2.1 - Document pumping for metered wells	4	8					12	\$ 1,920
2.2 - Document pumping for unmetered wells		2					2	\$ 300
2.3 - Document basin activities	12	8					20	\$ 3,360
2.4 - Develop groundwater contour maps	2		1	1	6	2	12	\$ 1,400
2.5 - Calculate change in storage	2		2	6	24	8	42	\$ 4,400
2.6 - Evaluate groundwater quality	20	44					64	\$ 10,200
2.7 - Incorporate long-term hydrographs	2	2					4	\$ 660
2.7 - Prepare draft report	16	40	2	8	12	12	90	\$ 12,560
2.8 - Prepare final report	8	16	2	4			30	\$ 4,680
Task 3 - Operating Safe Yield							89	\$ 11,250
3.1 - Review of data for 2017			1	4	16		21	\$ 2,180
3.2 - Preparation of OSY TMs for 2017	16	8	6	20	6	8	68	\$ 9,070
Task 4 - Update GW Model for 2017	8	8	2	12	24		54	\$ 6,720
Task 5 - Rules and Regulations	8						8	\$ 1,440
Task 6 - Meeting Attendance							144	\$ 24,480
5.1 - Assistance with agenda preparation	24	48	18				90	\$ 14,760
5.2 - Attend Watermaster meetings	30		24				54	\$ 9,720
TOTALS:	172	244	58	55	88	30	651	\$ 95,970

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-04

Date: February 7, 2018

From: Joseph Zoba, Treasurer

Subject: Discussion Regarding Task Order No. 16 with ALDA Inc. for the Installation, Maintenance, and Data Collection of Water Level Monitoring Equipment in 2018

Recommendation: That the Watermaster Committee approves Task Order No. 16 for a sum not to exceed \$21,520 and invoice the Watermaster members accordingly.

A new task order is necessary to authorize ALDA Inc. to provide water level monitoring services in 2018.

The proposed scope of services for Task Order No. 16, provides for the identification of new monitoring sites and installation of related equipment and the operation, maintenance, and data collection at existing sites during calendar year 2018. It is anticipated that up to 18 monitoring sites will be operational in the Beaumont Basin during Calendar Year 2018.

The financial impacts associated with the proposed contract would result in a budget line item of approximately \$21,520.00, and if approved would result in an invoice sent to each Watermaster Committee member in the amount of \$4,304.

ALDA Inc.

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

February 7, 2018

Joseph B. Zoba, General Manager
Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399

Subject: **Beaumont Basin Watermaster – Task Order No. 16
Installation, Maintenance, and Operation of Water Level Monitoring
Equipment**

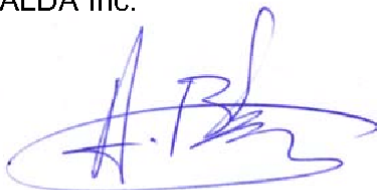
Dear Mr. Zoba:

Please find attached our proposed scope of services and consulting fee for Task Order No. 16 under the Engineering Services contract with the Beaumont Basin Watermaster dated May 10, 2012 and amended in February 2017. The proposed scope of services includes a) coordination of equipment purchase and authorization from private owners, b) installation of monitoring equipment at additional sites, c) operations and maintenance of equipment at existing sites, and d) reporting to Watermaster Committee.

We welcome your thorough review of our proposed scope services. Should you have any questions on our proposed services or need further information, please contact us at 909-587-9916 during normal business hours.

Very truly yours

ALDA Inc.



F. Anibal Blandon, P.E.
Principal

Beaumont Basin Watermaster – Task Order No. 16

Installation, Maint, and Data Collection of WL Monitoring Equipment for 2018

Feb 7, 2018

TASK OBJECTIVES

The objectives of Task No. 16 are as follows:

- A. Install Groundwater Level Monitoring Equipment at New Sites
- B. Conduct Operations and Maintenance of Existing Equipment
- C. Report Water Level Conditions to Watermaster Committee

SCOPE OF SERVICES

Task 1 – Selection of Sites and Equipment Acquisition

The ALDA team will select additional monitoring sites for installation of water level monitoring equipment. Selection of the final sites will be based on a number of parameters including location within the basin, distance to pumping wells, accessibility to site, and on-site improvements requirement amongst others. As part of this effort, the ALDA team will contact property owners as applicable to obtain authorization for installation of monitoring equipment.

Estimated Hours: 8 Hours

Estimated Cost: \$1,200.00

Task 2 – Installation of Monitoring Equipment

The ALDA team will install water level probes at each of the new selected sites. Required modifications at some of the well head sites, such as installation of plates, locks, measurement ports, etc., will be coordinated by the ALDA team to make sure all sites operate adequately and the monitoring equipment is secured.

In addition, groundwater level at each site will be determined to calibrate the monitoring probes individually.

Estimated Hours: 16 Hours

Estimated Cost: \$2,080.00

Maintenance of Selected Sites

The ALDA team will visit the selected sites every two months to download the collected data and to check that the probes are working as intended. In addition, probes will be calibrated twice a year. Close coordination with member agencies and selected private parties will be required to gain access to the sites during each visit. A total of six visits to each site is anticipated during Calendar Year 2018.

Estimated Hours: 64 Hours

Estimated Cost: \$9,600.00

Beaumont Basin Watermaster – Task Order No. 16

Installation, Maint, and Data Collection of WL Monitoring Equipment for 2018

Feb 7, 2018

Task 4 – Reporting to Watermaster

The information collected at the selected sites will be tabulated and presented at the Watermaster Committee meetings as a regular agenda item. In addition, water level histograms will be prepared and incorporated into the annual report.

Estimated Hours: 48 Hours

Estimated Cost: \$8,640.00

COST ESTIMATE

Our estimated cost to perform the scope of work as outlined herein is \$21,520.00 (Twenty One Thousand Five Hundred Twenty Dollars and 00/100); this estimate is based on 136 technical and administrative hours. Services will be billed on a time and material basis up to the approved limit and according to the billing rates below.

Billing Rates for ALDA Inc.

Billing rates for Task Order No. 13:

Position	Hourly Rate
Project Manager	\$180.00
Project Engineer	\$150.00
Staff Engineer	\$130.00
Graphics / Designer Drafter	\$ 95.00
Clerical	\$ 65.00

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-05

Date: February 7, 2018

From: Thomas Harder, TH&Co.

Subject: Presentation of Preliminary Recharge and Recovery Scenarios for Analysis to Estimate Storage Losses in the Beaumont Basin – Project Progress Update

Recommendation: No Recommendation.

Under Task Order No. 14, the ALDA Inc./Thomas Harder & Co. team were tasked to evaluate groundwater storage losses from the Beaumont Basin under various recharge and recovery scenarios. Previously, a number of recharge scenarios have been presented for consideration by the Board and to obtain necessary feedback.

The purpose of this agenda item is to present the progress of the evaluation of the various recharge and recovery scenarios being evaluated and to provide members of the Watermaster Committee the opportunity to comment on the direction of the study and the results obtained thus far.

Technical Memorandum



To: Mr. Hannibal Blandon
Alda, Inc.

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

Date: 31-Jan-18

Re: Recharge and Recovery Scenarios for Analysis to Estimate Storage Losses in the
Beaumont Basin

This Technical Memorandum (TM) outlines the work that has been done to date on evaluating storage losses within the Beaumont Basin. As reported in the 2013 Reevaluation of the Beaumont Basin Safe Yield (Thomas Harder & Co./Alda Engineering (TH&Co), 2015)¹, groundwater underflow losses occur in various locations along the southern and western boundaries of the Beaumont Basin. The amount of loss varies with time and is sensitive to pumping and recharge from both within and outside the Beaumont Basin. Further, the losses are affected by the locations where water is stored and extracted, the duration of underground storage, and the rate the stored water is extracted.

Storage loss scenarios were outlined in TH&Co, 2017², and modified based on discussion and input from the Beaumont Basin Watermaster Board at the October 2017 meeting. Model input files have been created for each of the revised scenarios and TH&Co has begun analyzing the results using the calibrated groundwater flow model of the Beaumont Basin. Preliminary results of the analysis of potential basin losses will be presented at the Beaumont Basin Watermaster Board meeting on February 7, 2018. The presentation will include a preliminary evaluation of potential future basin losses from planned recharge at the Noble Creek Recharge Facility, the planned San Gorgonio Pass Water Agency recharge facility, and potential future recharge facilities on the west side of the basin. TH&Co will also describe the effect of future planned pumping on storage losses in the context of potential increased managed recharge.

¹ Thomas Harder & Co., 2015. 2013 Reevaluation of the Beaumont Basin Safe Yield. April 3, 2015.

² Thomas Harder & Co., 2017. Preliminary Recharge and Recovery Scenarios for Analysis to Estimate Storage Losses in the Beaumont Basin. August 29, 2017.

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

BEAUMONT BASIN WATERMASTER

MEMORANDUM NO. 18-06

Date: February 7, 2018

From: Joseph Zoba, Treasurer

Subject: Consideration of Resolution No. 2018-01 Rescinding Resolution No. 2017-01 and Approving the Groundwater Storage Application and Groundwater Storage Agreement in the Beaumont Basin for the San Gorgonio Pass Water Agency in the Amount of 10,000 Acre Feet

Recommendation: That the Watermaster adopts Resolution No. 2018-01.

On June 7, 2017, the Watermaster Committee approved Resolution No. 2017 related to the Groundwater Storage Application and Groundwater Storage Agreement. The attached resolution will be reviewed, discussed, and possibly modified during the discussion of this agenda item.

RESOLUTION NO. 2018-01**A RESOLUTION OF THE BEAUMONT BASIN WATERMASTER TO
CONFIRM AND ADOPT SAN GORGONIO PASS WATER AGENCY'S
("SGPWA") APPLICATION FOR GROUNDWATER STORAGE
AGREEMENT, SUBJECT TO STATED CONDITIONS**

WHEREAS, the Stipulated Judgment 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, pursuant to its authority, the Beaumont Basin Watermaster established principles of groundwater storage in the Beaumont Basin via Resolution No. 2005-01, the foundation for SGPWA's Application for Groundwater Storage Agreement;

WHEREAS, SGPWA is a state water contractor formed in 1961 for the purpose of importing water from the State Water Project into the San Gorgonio Pass. SGPWA's service area includes the Beaumont Basin;

WHEREAS, SGPWA submitted to the Beaumont Basin Watermaster a Groundwater Storage Application, a copy of which is attached as Exhibit "A," hereto, seeking approval to: i) store up to 10,000 acre-feet of imported water in the Beaumont Basin through artificial recharge of water from the State Water Project, via the SGPWA's proposed Beaumont Avenue Recharge Facility ("Spreading Basin"); ii) add imported water to the SGPWA's Storage Account when the quantity of imported water available to the Region exceeds the demands and/or requests for imported water by the Watermaster Committee members; and, iii) make the imported water stored by the SGPWA available to the members of the Beaumont Basin Watermaster.

WHEREAS, the Beaumont Basin Watermaster issued copies of SGPWA's Groundwater Storage Application to members of its Watermaster Committee for review in advance of the February 7, 2018, Beaumont Basin Watermaster meeting; and,

WHEREAS, the Beaumont Basin Watermaster met on February 7, 2018 to take this matter up, finding that the foregoing is true and accurate, and

NOW, THEREFORE, BE IT RESOLVED BY THE BEAUMONT BASIN WATERMASTER that it does hereby: (1) rescind approval of Watermaster Resolution No. 2017-01; (2) accept SGPWA's Groundwater Storage Application; and (3) does hereby grant SGPWA a water storage account pursuant to SGPWA's Groundwater Storage Application, subject to the conditions set forth in this Resolution, and subject to the Judgment establishing the Beaumont Basin Watermaster (Riverside Superior Court Case No. 389197), its rules and regulations for the Beaumont Basin – to include groundwater storage in the Beaumont Basin by Non-Appropriators – a classification applying to SGPWA.

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PASSED AND ADOPTED this 7st day of February 2018.

BEAUMONT BASIN WATERMASTER

By: _____
Art Vella, Chairman of the
Beaumont Basin Watermaster