I. Call to Order

II. Roll Call
City of Banning: Alternate: Arturo Vela
City of Beaumont: Dave Dillon (Alternate: Kyle Warsinski)
Beaumont Cherry Valley Water District: Eric Fraser (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 October 7, 2015
   2. Meeting Minutes for December 2, 2015

VI. Reports
A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering
B. Report from Legal Counsel - Keith McCullough, Alvarado Smith

VII. Discussion Items
A. Reorganization of the Beaumont Basin Watermaster Committee - Chairman, Vice-Chairman, Secretary and Treasurer [Memorandum No. 16-01, Page _ of _]
   Recommendation: That the members of the Watermaster either reaffirm the existing officers or conduct nominations for the appointment of officers of the Beaumont Basin Watermaster.

B. Status Report on Water Level Monitoring throughout the Beaumont Basin [Memorandum No. 16-02, Page _ of _]
   Recommendation: No recommendation.

C. Discussion Regarding Task Order No. 9 with ALDA Inc. for the Preparation of the 2015 Consolidated Annual Report, Estimate of the Basin Safe Yield, Update of the Groundwater Model, and Associated Consulting Services [Memorandum No. 16-03, Page _ of _]
Recommendation: That the Watermaster Committee approves Task Order No. 9 for a sum not to exceed $81,940.00.

D. Discussion Regarding Task Order No. 10 with ALDA Inc. for the Installation, Maintenance, and Data Collection of Water Level Monitoring Equipment in 2016 [Memorandum No. 16-04, Page _ of _]

   Recommendation: That the Watermaster Committee approves Task Order No. 10 for a sum not to exceed $18,840.00.

E. Overview of the Sustainable Groundwater Management Act and Proposed Basin Boundary Revisions [Memorandum No. 16-05, Page _ of _]

   Recommendation: Pending

VIII. Topics for Future Meetings

A. Recycled Water Recharge 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 6, 2016 at 10:00 a.m.

XI. Adjournment
Consent Calendar
Meeting Location:

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

I.  Call to Order

    Member George Jorritsma called the meeting to order at 10:10 a.m.

II.  Roll Call

    City of Banning        Arturo Vela        Present
    City of Beaumont       Kyle Warsinski     Present
    Beaumont Cherry Valley Water District  Eric Fraser  Present
    South Mesa Water Company  George Jorritsma  Present
    Yucaipa Valley Water District    Joseph Zoba     Present

Kyle Warsinski was present as the alternate representing the City of Beaumont in the absence of Member Dave Dillon. Arturo Vela was present as the alternative representing the City of Banning in the absence of Chairman Duane Burke. Thierry Montoya was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: John Jeter, Bill Dickson, Fran Flanders, Bob Wall, Tom Harder, Carl Kymla, John Covington, Hannibal Blandon and Jack Nelson.

III.  Pledge of Allegiance

    Member George Jorritsma led the pledge of allegiance.

IV.  Public Comments

    No public comment was received at this time.

V.  Consent Calendar

    A.  Meeting Minutes

        1.  Approval of Meeting Minutes for August 5, 2015

            Member Kyle Warsinski motioned to amend the minutes to reflect the change from a 5-0 vote on item 7.D. to a 4-1 vote, with the City of Beaumont voting against. Member Joseph Zoba seconded the motion; motion passed 5-0. Member Arturo Vela subsequently motioned to approve the minutes as amended. Member Zoba seconded the motion and the motion passed 5-0.
VI.  Reports

A. Report from Engineering Consultant - Hannibal Blandon, ALDA Engineering
   
   Engineer Hannibal Blandon to present several of the discussion items later in the meeting.

B. Report from Legal Counsel – Thierry Montoya, Alvarado Smith
   
   Legal Counsel Montoya reported on the work he had done in regard to the storage account application from the Morongo Board of Mission Indians (Tribe), in preparation for the meeting.

VII. Discussion Items

A. Status Report on Water Level Monitoring throughout the Beaumont Basin [Memorandum No. 15-21, Page 10 of 85]

   Recommendation:  No recommendation

   Engineer Blandon gave a status report of the water level monitoring equipment in the Beaumont Basin.

B. Task Order No. 6 – Water Level Monitoring for 2015 Reallocation of Funds to Acquire Four Additional Monitoring Probes [Memorandum No. 15-22, Page 14 of 85]

   Recommendation:  That the Watermaster Committee approves the reallocation of $3,000.00 under this task to acquire four additional monitoring probes and associated equipment from Solinst Canada.

   Engineer Blandon provided an accounting to date for Task Order No. 6, and that the $3,000 available in the 2015 allocation could be used to acquire four additional monitoring probes. He provided background information on several sites in the Basin that could be monitored with the additional probes.

   Member Zoba motioned to approve the reallocation of the $3,000 pursuant to Task Order No. 6 for the four additional monitoring probes. Member Fraser seconded the motion and the motion passed 5-0.

C. Discussion Regarding Task Order No. 8 with ALDA Inc. for On-Call Engineering Services [Memorandum No. 15-23, Page 15 of 85]

   Recommendation:  That the Watermaster Committee approves Task Order No. 8 for a sum not to exceed $20,000.00.

   Engineer Blandon provided an overview of Task Order No. 8. Member Zoba motioned to approve Task Order No. 8 for a sum not to exceed $20,000.00. Member Vela seconded the motion and the motion passed 5-0.
D. Adoption of the 2014 Consolidated Annual Report and Engineering Report
[Memorandum No. 15-24, Page 17 of 85]

Recommendation: No recommendation

Engineer Blandon stated that it would be prudent to address the issues of
overlying water rights and the transfer from Oak Valley Partners at this
meeting and postpone the delivery of the report until the next meeting.

E. Independent Accountant’s Financial Report of Agreed-Upon Procedures for the
Beaumont Basin Watermaster [Memorandum No. 15-25, Page 18 of 85]

Recommendation: That the Watermaster Committee receives and files the
Independent Accountant’s Financial Report for the period ending June 30,
2015.

After Member Zoba provided a brief explanation of the report, Member Vela
motioned to receive and file the report. Member Fraser seconded the motion
and the motion passed 5-0.

F. Consideration of the Proposed Budget for Fiscal Year 2015-2016
[Memorandum No. 15-26, Page 25 of 85]

Recommendation: That the Watermaster Committee adopts the budget as
presented.

Member Zoba gave a presentation on the Proposed Budget, including a
proposed amendment in line item GL account 5063 from $10,000 to $20,000. Member Zoba motioned to approve the Proposed Budget with the amendment. Member Fraser seconded the motion and the motion passed 5-0.

G. Morongo Band of Mission Indians - Proposed Groundwater Storage
Agreement - Revised Storage Location [Memorandum No. 15-27, Page 27 of
85]

Recommendation: That the Watermaster Committee approves the proposed
groundwater storage project, as proposed by the Morongo Band of Mission
Indians, pending the development of a surface and groundwater monitoring
program specific to this project.

Engineer Blandon presented a new groundwater storage project proposal from
the Morongo Board of Mission Indians (Tribe). The proposal includes a
relocation of the recharge facility which resolves several issues discussed in
the previous meeting. The accounting under the proposal would include the
Tribe’s storage account being credited for in-lieu deliveries as well as for water
imported and recharged within the Basin.
After discussion among the Members, Engineer Blandon, and Legal Counsel Montoya regarding the legality of the proposed accounting for an overlying user under the stipulated judgment, Engineer Steve Johnson of Stetson Engineers, Inc. spoke on behalf of the Tribe. He stated that crediting a storage account for in-lieu deliveries is a widely accepted practice in other parts of Southern California.

Legal Counsel Montoya and Member Fraser further addressed the issue by reaffirming that the judgment does not explicitly address the crediting of an overlying party’s water storage account for unused water rights. Member Fraser also highlighted differences between judgments in other basins of Southern California and that of the Beaumont Basin.

Member Fraser motioned to approve the groundwater storage project as proposed by the Tribe, subject to the Tribe receiving credit explicitly for the water that is demonstrated to be recharged within the Basin, and that it meets water quality that is equivalent to State Project water being recharged elsewhere. Member Warsinski seconded the motion. Member Warsinski sought to clarify the motion and expressed a desire to see the Committee address an in-lieu policy within the parameters of the judgment.

Engineer Blandon reminded the Committee of the issue of potential water losses and stressed that the Committee consider that. Member Fraser amended the original motion to include staff’s recommendation pending the development of surface and groundwater monitoring projects specific to this project.

John Covington, Water Department Manager for the Tribe, asked that the Committee consider further amending the motion, striking the language that the water quality needs to meet the quality of State Project water. He expressed his belief that it would be more appropriate that the water quality meet the Basin objectives instead. Member Fraser further amended the motion to reflect that the water quality needs to meet the water quality as identified in the Basin objectives. Member Warinski seconded the twice-amended motion.

Tribal Legal Counsel Scott Sommers recommended that the Committee, in developing a methodology of accounting for water losses, adopt one that is uniform throughout the Basin and not specific to the Tribe. Member Fraser contended that losses must be project-specific due to differing hydrology in different parts of the Basin. Mr. Sommers agreed with this and clarified that a policy should be adopted Basin-wide, while the application of the policy would differ on a project level.

Member Zoba requested that the five member agencies constituting the Committee receive a copy of the environmental study for the proposed project. Member Jorritsma fielded a vote of the standing motion, and the motion passed 4-1, with Member Jorritsma voting no.

VIII. Topics for Future Meetings

A. Recycled Water Recharge Policy
IX. Comments from the Watermaster Committee Members

No comments from the Watermaster Committee Members were made.

X. Announcements

B. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, December 2, 2015 at 10:00 a.m.

Member George Jorritsma made the announcement above.

XI. Adjournment

Member George Jorritsma adjourned the meeting at 11:28 a.m.

Attest:

_____________________________
Eric Fraser, Secretary
Beaumont Basin Watermaster
The following recommendation was included in the first amended motion by Fraser/Warsinski at the Watermaster meeting on October 7, 2015.

During the August 5, 2015 Board meeting, Mr. Stephen B. Johnson, president of Stetson Engineers Inc., on behalf of the Morongo Band of Mission Indians, presented a project to import groundwater pumped from the San Timoteo Basin for spreading and recharge in the Beaumont Basin. While Mr. Johnson addressed the water rights, water quality, and water quantity aspects of the proposed project and outlined the benefits to the Beaumont Basin, Mr. Harder (TH&Co) expressed his concerns about the project. Mr. Harder’s concerns focused primarily on the location of the spreading area that may result in a significant portion of the imported groundwater flowing out of the Beaumont Basin back into the San Timoteo Basin.

After a lengthy discussion, Watermaster indicated that the Morongo Band of Mission Indians and its representatives should coordinate with Watermaster’s Engineers to further discuss the merits of the project and potential alternatives that would address the concerns raised during the Board meeting.

On September 17, Tribe representatives met with Mr. Blandon and Mr. Harder to further discuss the project. An alternative to the initial project was developed to convey groundwater pumped by Well B in the San Timoteo Basin further into the Beaumont Basin to supply one of the Tukwet Canyon Golf Course irrigation lakes. Groundwater pumped from Well B would be used in lieu of groundwater pumped by Well D, which currently is being used to maintain adequate water levels at the lake. It is also proposed that excess groundwater production from Well B be conveyed to a nearby spreading facility during the winter months. Under this concept, the Tribe will get an equivalent amount of water into their storage account. The attached letter from Mr. Johnson, dated September 24, 2015, documents in detail the alternative project. A subsequent e-mail from Mr. Johnson to Mr. Blandon is also attached for your consideration.

In general, Mr. Blandon and Mr. Harder approve of the Morongo Band of Mission Indian’s proposed project to store water from outside the basin, as described above. However,
Meeting Location:

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

I.  Call to Order

Member George Jorritsma called the meeting to order at 10:03 a.m.

II.  Roll Call

<table>
<thead>
<tr>
<th>Organization</th>
<th>Name</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>City of Banning</td>
<td>Arturo Vela</td>
<td>Present</td>
</tr>
<tr>
<td>City of Beaumont</td>
<td>Kyle Warsinski</td>
<td>Present</td>
</tr>
<tr>
<td>Beaumont Cherry Valley Water District</td>
<td>Eric Fraser</td>
<td>Present</td>
</tr>
<tr>
<td>South Mesa Water Company</td>
<td>George Jorritsma</td>
<td>Present</td>
</tr>
<tr>
<td>Yucaipa Valley Water District</td>
<td>Joseph Zoba</td>
<td>Present</td>
</tr>
</tbody>
</table>

Kyle Warsinski was present as the alternate representing the City of Beaumont in the absence of Member Dave Dillon. Arturo Vela was present as the alternate representing the City of Banning in the absence of Chairman Duane Burke. Thierry Montoya was present representing legal counsel for the Beaumont Basin Watermaster.

Members of the public who registered their attendance were: Bill Dickson, Fran Flanders, Luwana Ryan, Tom Harder, John Covington, Hannibal Blandon and Tom Shalhoub.

III.  Pledge of Allegiance

Member Joseph Zoba led the pledge of allegiance.

IV.  Public Comments

John Covington recommended amending the second motion of item VII. G. in minutes from the October 7th, 2015 meeting to remove the words surface water, as this was not applicable to the project. Mr. Covington asked for clarification of the motion, and requested follow-up from the Committee on the item at the next meeting.

V.  Consent Calendar

A.  Meeting Minutes

1.  Approval of Meeting Minutes for October 7, 2015

    Item was tabled until the next meeting.
VI. Reports

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

*Engineer Hannibal Blandon would present several of the discussion items later in the meeting.*

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

*Legal Counsel Montoya reported that the Beaumont Basin Wastemaster Report has been filed with the court. He also reported on the progress made in several potential water level monitoring agreements and in working with the Tribal Counsel of Morongo Band of Mission Indians to prepare a draft confirming the Water Storage Agreement.*

VII. Discussion Items

A. Status Report on Water Level Monitoring throughout the Beaumont Basin [Memorandum No. 15-28, Page 8 of 12]

*Recommendation: No recommendation*

*Engineer Blandon gave a status report of the water level monitoring equipment in the Beaumont Basin. There was some discussion and Engineer Blandon answered several questions from Committee Members.*

B. Adoption of the 2014 Consolidated Annual Report and Engineering Report [Memorandum No. 15-29, Page 12 of 12]

*Recommendation: That the members of the Watermaster Committee receive and file the 2014 Consolidated Annual Report and Engineering Report*

*After a short presentation by Engineer Blandon, Member Zoba motioned to receive and file the 2014 Consolidated Annual Report and Engineering Report. Member Eric Fraser seconded the motion and the motion passed 5-0.*

VIII. Topics for Future Meetings

A. Recycled Water Recharge Policy

*Member Frasier said that staff would be working in the coming year to help develop a policy to address the water quality impact of recharging recycled water in the Basin.*

IX. Comments from the Watermaster Committee Members

*There was some discussion amongst the Committee Members and Engineer Blandon regarding stormwater retention and treatment at onsite developments and whether it falls under the purview of the Watermaster Committee.*
X. Announcements

A. The next regular meeting of the Beaumont Basin Watermaster is scheduled for Wednesday, February 3, 2016 at 10:00 a.m.

Member George Jorritsma made the announcement above.

XI. Adjournment

Member Jorritsma adjourned the meeting at 10:33 a.m.

Attest:

_____________________________
Eric Fraser, Secretary
Beaumont Basin Watermaster
Reports
Discussion Items
Date: February 3, 2016

From: Joseph Zoba, Treasurer

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

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

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

The current officers are:

   Chairman - _________
   Vice Chairman - George Jorritsma
   Secretary - Eric Fraser
   Treasurer - Joseph Zoba
Date: February 3, 2016
From: Hannibal Blandon, ALDA
Subject: Status Report on Water Level Monitoring throughout the Beaumont Basin

Recommendation: No recommendation.

At the present time, there are 11 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.

One additional monitoring well, located in the Sunny-Cal Egg Ranch area, is being used to collect water level; however, a formal contract with the current property owners has not been established. It is anticipated that a separate well located in this property will be used for monitoring purposes in the future since the current well is too close to BCVWD Well No. 29.

The monitoring well at the Icon Warehouse (a.k.a. the Downing Orchard well) has not been equipped despite of the contract being signed by all parties. Apparently, a change in management at the local facility has taken place. We hope to have the monitoring equipment at this well installed before the April 2016 meeting.

Negotiations continue with the County of Riverside Open Space Office for installation of a monitoring probe at the Railroad Tracks well. While we do not have a final contract, it is anticipated that we will be able to install a monitoring probe at this well.

Installation of monitoring equipment at the Oak Valley Partners well has not taken place as the final contract has not been approved.

Ultimately, it is anticipated that we will have a total of 18 operating monitoring sites throughout the basin. The attached spreadsheet summarizes the current status at the various sites while the attached Figure No. 2 depicts water level data collected since the program began. In general, water levels continue to be unchanged throughout the basin; however, some changes have occurred at the following wells:

- Banning M-9 – The water level at this well has increased by five (5) feet since October 2015 as illustrated in Figure 3.
Noble Creek Observation Well 4S – A 15 feet declined has been recorded at this well since the end of May 2015 as depicted in Figure 4.

Summit Cemetery – The water level at this well is highly influenced by the intermittent operations of a nearby local production well as observed in Figure 5. A general uptrend in water levels continues at this well as it has gained 15 feet since early July 2015.

Troubleshooting Issues

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

- BCVWD Well No. 2 – The communications cable at this well is not working properly and needs to be replaced. A new 600 ft cable will be installed after the Board meeting concludes. Probe continues to collect hourly data. Communications cable will be sent back to Solinst for inspection and fixing.

- Banning Well M-9 – Barometer is not working properly as it has not recorded any information since January 12, 2016. Probe will be sent back to Solinst for inspection.

- YVWD Well No. 34 – Communications cable has been changed with a new cable as the existing cable was not working properly. This is an old cable and it is out of warranty.

- Leveloader – This device is used to download the data from monitoring probes through the communications cable. The device is not working properly when transferring information into the computer for processing. Leveloader will be sent to Solinst for inspection and fixing.
**Wells with Monitoring Probes – Working**
- Bonita Vista No. 2
- Noble Creek Observation 4D and 4S
- Noble Creek Park
- BCVWD No. 2
- BCVWD Old Well No. 15 (Banning)
- Summit Cemetery No. 1
- Sun Lakes Golf Course
- Banning M-8 and M-9
- YVWD Well No. 34

**Wells under Contract Negotiation**
- ICON Warehouse well
- Oak Valley Partners well
- Railroad Trackwell

**Other Wells Under Consideration**
- Desert Lawn – Negotiations
- Sunny Cal Egg Ranch
<table>
<thead>
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<th>Well Owner / Name</th>
<th>Type</th>
<th>Model</th>
<th>Series No.</th>
<th>Installed Date</th>
<th>Depth (ft)</th>
<th>Current Status</th>
<th>Depth to Water (ft)</th>
<th>Notes</th>
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<td>Legal counsel reviewing contract</td>
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<td>RC - Regional Parks Railroad Well</td>
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<td>Verbal Ok, Contract has not been finalized</td>
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</tbody>
</table>
Figure No. 2
Beaumont Basin - Static Groundwater Elevations at Selected Monitoring Wells
(May 28 through Jan 25, 2016)
Date: February 3, 2016

From: Joseph Zoba, Treasurer

Subject: Discussion Regarding Task Order No. 9 with ALDA Inc. for the Preparation of the 2015 Consolidated Annual Report, Estimate of the Basin Safe Yield, Update of the Groundwater Model, and Associated Consulting Services

Recommendation: That the Watermaster Committee approves Task Order No. 9 for a sum not to exceed $81,940.00.

A new task order is necessary to authorize ALDA Inc. to provide technical support services to the Watermaster Committee during Calendar Year 2016.

The proposed scope of services for Task Order No. 9, consistent with previously years, provides for the preparation of the 2015 Consolidated Annual Report, estimate of the 2015 Safe Yield of the Beaumont Basin, and Associated Consulting Services in support to Watermaster activities during 2016. In addition, this task order incorporates the annual update of the groundwater model to 2015 hydrologic conditions.

The financial impacts associated with the proposed contract would result in a budget line item of approximately $82,000.00, and if approved would result in an invoice sent to each Watermaster Committee member in the amount of $16,400.
February 3, 2016

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

Subject: Beaumont Basin Watermaster – Task Order No. 9
Preparation of the 2015 Operating Safe Yield and Annual Report and Engineering Support Services for Calendar Year 2015

Dear Mr. Zoba:

Please find attached our proposed scope of services and consulting fee for Task Order No. 9 under the Engineering Services contract with the Beaumont Basin Watermaster dated May 10, 2012. The proposed scope of services includes a) prepare the consolidated Annual Report for 2015, b) estimate of the operating safe yield for 2015, c) update the groundwater model to include 2015 hydrologic data, and d) provide general consulting services in support to Watermaster activities during 2016.

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
TASK OBJECTIVES

The objectives of Task No. 9 are as follows:
A. Prepare the consolidated Annual Report for CY 2015
B. Estimate the Operating Safe Yield for Calendar Year 2015
C. Update groundwater model to include 2015 hydrologic data
D. Provide general consulting support services during 2016

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.

Task 2 – Preparation of Expanded Annual 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 focus on nitrate, TDS, and some trace metals. In addition, 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 2015. 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 2015 Conditions**

The ALDA/TH&Co team will prepare and input the 2015 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) Watermaster meetings in 2016. 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 April 2016 Board meeting. Comments on the draft annual report will be addressed and presented at the June 2016 Board meeting. General consulting support services will be provided throughout the year.
Beaumont Basin Watermaster – Task Order No. 9
2015 Annual Report and Associated Consulting Services for 2016

Feb 3, 2016

COST ESTIMATE

Our estimated cost to perform the scope of work as outlined herein is $81,940.00 (Eighty One Thousand Nine Hundred Forty Dollars and 00/100); this estimate is based on 650 technical and administrative hours and is summarized in the attached table by task and sub-task. Billing rates for the 2016 Calendar Year remain the same as in 2012 and are included at the end of this proposal.

Beaumont Basin Watermaster
Engineering Consulting Fee for Task Order No. 9

ALDA Inc.

Beaumont Basin Watermaster - Task Order No. 9
Preparation of Expanded Annual Report and Operating Safe Yield for 2015 and General Support Services for 2016

<table>
<thead>
<tr>
<th>Task / Subtask</th>
<th>ALDA Inc.</th>
<th>Thomas Hardee &amp; Co.</th>
<th>Total Hours</th>
<th>Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PM  PE  SE Graph Clerk</td>
<td>PM  SH Graph Clerk</td>
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<td></td>
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<tr>
<td>Task 1 - Data Collection</td>
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<td>90</td>
<td>$11,370</td>
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<td>2.1 - Document pumping for watered wells</td>
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<td>20</td>
<td>$3,760</td>
<td></td>
</tr>
<tr>
<td>2.2 - Document pumping for unwatered wells</td>
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<td>20</td>
<td>$2,560</td>
<td></td>
</tr>
<tr>
<td>2.3 - Document basin activities</td>
<td>4  16</td>
<td>20</td>
<td>$2,760</td>
<td></td>
</tr>
<tr>
<td>2.4 - Develop groundwater contours</td>
<td>2  2  8  3</td>
<td>14</td>
<td>$1,510</td>
<td></td>
</tr>
<tr>
<td>2.5 - Calculate change in storage</td>
<td>2  4  16  8</td>
<td>30</td>
<td>$3,560</td>
<td></td>
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<tr>
<td>2.6 - Evaluate groundwater quality</td>
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<td>48</td>
<td>$6,770</td>
<td></td>
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<tr>
<td>2.7 - Incorporate long-term hydrographs</td>
<td>2  8</td>
<td>10</td>
<td>$1,380</td>
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<tr>
<td>2.7 - Prepare draft report</td>
<td>10  32  16  20  14</td>
<td>120</td>
<td>$13,110</td>
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<tr>
<td>2.8 - Prepare final report</td>
<td>8  16  8  8  4  4</td>
<td>48</td>
<td>$5,600</td>
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<td>Task 3 - Operating Safe Yield</td>
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<td>65</td>
<td>$7,500</td>
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<td>3.1 - Review of data for 2015</td>
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<td>3.2 - Preparation of GIS Tiffs for 2015</td>
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<td>44</td>
<td>$5,440</td>
<td></td>
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<tr>
<td>Task 4 - Update GW Model to 2015 Conditions</td>
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<td>6  18</td>
<td>44</td>
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<td>Task 5 - Rules and Regulations</td>
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<td>12</td>
<td>$1,800</td>
</tr>
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<td>Task 6 - Meeting Attendance</td>
<td>108</td>
<td></td>
<td>108</td>
<td>$16,200</td>
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<tr>
<td>5.1 - Assistance with agenda preparation</td>
<td>24  24</td>
<td>12</td>
<td>$8,760</td>
<td></td>
</tr>
<tr>
<td>5.2 - Attend Watermaster meetings</td>
<td>24</td>
<td>24</td>
<td>48</td>
<td>$7,940</td>
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<td>TOTALS:</td>
<td>146  102  68  28  22  78  88  26  4  650</td>
<td>$81,940</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Beaumont Basin Watermaster Memorandum No. 16-03 Page 5 of 6
Beaumont Basin Watermaster

Billing Rates for Task Order No. 9

Billing Rates for ALDA Inc.

Billing rates for Calendar Year 2016 are as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Manager</td>
<td>$150.00</td>
</tr>
<tr>
<td>Project Engineer</td>
<td>$135.00</td>
</tr>
<tr>
<td>Staff Engineer</td>
<td>$110.00</td>
</tr>
<tr>
<td>Graphics / Designer Drafter</td>
<td>$90.00</td>
</tr>
<tr>
<td>Drafter</td>
<td>$75.00</td>
</tr>
<tr>
<td>Clerical</td>
<td>$65.00</td>
</tr>
</tbody>
</table>

Billing Rates for Thomas Harder and Company

Billing rates for Calendar Year 2016 are as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal Hydro-geologist</td>
<td>$160.00</td>
</tr>
<tr>
<td>Staff Hydro-geologist</td>
<td>$90.00</td>
</tr>
<tr>
<td>Field Technician</td>
<td>$70.00</td>
</tr>
<tr>
<td>Graphics</td>
<td>$85.00</td>
</tr>
<tr>
<td>Clerical</td>
<td>$65.00</td>
</tr>
<tr>
<td>Expert Witness</td>
<td>$320.00</td>
</tr>
</tbody>
</table>
Date: February 3, 2016

From: Joseph Zoba, Treasurer

Subject: Discussion Regarding Task Order No. 10 with ALDA Inc. for the Installation, Maintenance, and Data Collection of Water Level Monitoring Equipment in 2016

Recommendation: That the Watermaster Committee approves Task Order No. 10 for a sum not to exceed $18,840.00.

A new task order is necessary to authorize ALDA Inc. to provide water level monitoring services in 2016.

The proposed scope of services for Task Order No. 10, 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 2016. It is anticipated that a total of 18 monitoring sites will be operational in the Beaumont Basin during Calendar Year 2016.

The financial impacts associated with the proposed contract would result in a budget line item of approximately $18,840.00. As part of the budget for Fiscal Year 2015-16, Watermaster approved a $20,000.00 line item for monitoring services at the October 2015 meeting. If approved, this expenditure would result in an invoice sent to each Watermaster Committee member in the amount of $3,770.
February 3, 2016

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

Subject: Beaumont Basin Watermaster – Task Order No. 10
Installation and Maintenance of Water Level Monitoring Equipment

Dear Mr. Zoba:

Please find attached our proposed scope of services and consulting fee for Task Order No. 10 under the Engineering Services contract with the Beaumont Basin Watermaster dated May 10, 2012. 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

F. Anibal Blandon, P.E.
Principal
TASK OBJECTIVES

The objectives of Task No. 10 are as follows:
A. Install Groundwater Level Monitoring Equipment at up to Six 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/TH&Co team will select the Six 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/TH&Co team will contact property owners as applicable to obtain authorization for installation of monitoring equipment.

Estimated Hours: 8 Hours
Estimated Cost: $1,080.00

Task 2 – Installation of Monitoring Equipment
The ALDA/TH&Co 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/TH&Co 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: 24 Hours
Estimated Cost: $2,640.00

Task 3 – Operations and Maintenance of Selected Sites
The ALDA/TH&Co 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 2016.

Estimated Hours: 64 Hours
Estimated Cost: $8,640.00
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: $6,480.00

COST ESTIMATE

Our estimated cost to perform the scope of work as outlined herein is $18,840.00 (Eighteen Thousand Eight Hundred Forty Dollars and 00/100); this estimate is based on 144 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 Calendar Year 2016 are as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Drafter</td>
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</tr>
<tr>
<td>Clerical</td>
<td>$ 65.00</td>
</tr>
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</table>

Billing Rates for Thomas Harder and Company

Billing rates for Calendar Year 2016 are as follows:

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</thead>
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<td>Field Technician</td>
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</tr>
<tr>
<td>Graphics</td>
<td>$ 85.00</td>
</tr>
<tr>
<td>Clerical</td>
<td>$ 65.00</td>
</tr>
<tr>
<td>Expert Witness</td>
<td>$320.00</td>
</tr>
</tbody>
</table>
On Sept. 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package, known as the Sustainable Groundwater Management Act of 2014 (the “Act”). The Act provides a framework for sustainable management of groundwater supplies by local authorities, with a limited role for state intervention only if necessary to protect the resource. The Act protects existing surface water and groundwater rights and does not impact current drought response measures.

The Act requires the formation of local groundwater sustainability agencies (GSAs) that must assess conditions in their local water basins and adopt locally-based management plans. While the Act provides substantial time - 20 years - for GSAs to implement plans and achieve long-term groundwater sustainability there are a number of milestones that are quickly approaching.
The Department of Water Resources has adopted emergency regulations that specify the information required to comply with Water Code 10722.2, which outlines the process that local agencies need to follow when requesting modifications to existing boundaries of groundwater basins and subbasins. The basin boundary regulations also identify the methodology and criteria that will be applied by the Department of Water Resources when reviewing and approving the modification requests.

**Timeline for Adopting Basin Boundary Emergency Regulations**

The following is the anticipated schedule and next steps for adopting the regulations:

<table>
<thead>
<tr>
<th>Events</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informational update on basin boundary emergency regulations presented to the California Water Commission (CWC)</td>
<td>July 15, 2015</td>
</tr>
<tr>
<td>Draft basin boundary emergency regulations released on DWR website</td>
<td>July 17, 2015</td>
</tr>
<tr>
<td>Informational update on basin boundary emergency regulations presented to the CWC</td>
<td>August 19, 2015</td>
</tr>
<tr>
<td>Public meeting and webinar presenting the draft basin boundary emergency regulations. Location: Byron Room, California EPA Building, Sacramento</td>
<td>August 31, 2015</td>
</tr>
<tr>
<td>Public meeting presenting the draft basin boundary emergency regulations. Location: Bakersfield Community College, Bakersfield</td>
<td>September 2, 2015</td>
</tr>
<tr>
<td>Public meeting presenting the draft basin boundary emergency regulations. Location: The Delhi Center, Santa Ana</td>
<td>September 3, 2015</td>
</tr>
<tr>
<td>Deadline for comment on draft emergency regulations</td>
<td>September 4, 2015</td>
</tr>
<tr>
<td>Informational update on basin boundary emergency regulations presented to the CWC</td>
<td>September 16, 2015</td>
</tr>
<tr>
<td>Formal Notice of Proposed Rulemaking and supporting information</td>
<td>October – November, 2015</td>
</tr>
<tr>
<td>Presentation of proposed emergency regulations to CWC for adoption</td>
<td>October – November, 2015</td>
</tr>
<tr>
<td>Submission of adopted emergency regulations to Office of Administrative Law</td>
<td>October – November, 2015</td>
</tr>
<tr>
<td>Basin boundary modification requests accepted by DWR within 90 day period</td>
<td>January 1, 2016</td>
</tr>
</tbody>
</table>

*All dates are subject to change.*
Frequently Asked Questions

Q: What is the Sustainable Groundwater Management Act of 2014?

A: The Sustainable Groundwater Management Act of 2014 is a comprehensive three-bill package that includes AB 1739 (Dickinson), SB 1168 (Pavley), and SB 1319 (Pavley) and sets the framework for statewide long-term sustainable groundwater management by local authorities.

It requires the formation of new groundwater sustainability agencies (GSAs) tasked with assessing the conditions in their local basins and adopting locally-based sustainable management plans. It provides for limited state intervention only when a GSA is not formed and / or fails to create and implement a plan that will result in groundwater sustainability within 20 years.

Q: What authority will GSAs have?

A: GSAs are empowered to utilize a number of new management tools to achieve the sustainability goal. For example, GSAs may require registration of groundwater wells, mandate annual extraction reports from individual wells, impose limits on extractions, and assess fees to support creation and adoption of a groundwater sustainability plan (GSP). GSAs also may request a revision of a groundwater basin boundary, including the establishment new subbasins.

A GSA may adopt a single plan covering an entire basin or may combine several plans from multiple agencies.

Q: Is there any funding available to assist GSAs?

A: If approved by voters, Proposition 1 – the Water Quality, Supply and Infrastructure Improvement Act of 2014 – would provide $100 million in funding to help create and implement GSPs.

Q: When do sustainable groundwater management plans have to be completed and implemented?

A: GSPs for critically overdrafted basins must be completed and adopted by the GSA by Jan. 31, 2020. GSPs for high- and medium-priority basins not in overdraft must be completed and adopted by the GSA by Jan. 31, 2022. All high- and medium-priority groundwater basins must achieve sustainability within 20 years of GSP adoption.

Q: Who determines whether a groundwater sustainability plan is sufficient?

A: The Department of Water Resources (DWR) is tasked with reviewing GSPs for compliance. If DWR determines that an adequate GSP has not been adopted or that it is not being implemented in a way

Prepared by the Association of California Water Agencies www.acwa.com
October 2014
Frequently Asked Questions

that will achieve sustainability within 20 years, then the State Water Resources Control Board may designate the basin “probationary.”

After receiving notice from the State Board, local authorities will have 180 days to address GSP deficiencies. If the plan is brought into compliance the state will remove the “probationary” designation and will have no further authority to intervene.

If the deficiencies are not addressed by the GSA, the State Board is authorized to create an interim plan that would remain in effect only until the GSA could assume responsibility with a compliant plan that will achieve sustainability.

Q: What does sustainable groundwater management mean?

A: The aim of the legislation is to have groundwater basins managed within the sustainable yield of each basin. The legislation defines “sustainable groundwater management” as the management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results, which are defined as any of the following effects:

- Chronic lowering of groundwater levels (not including overdraft during a drought, if a basin is otherwise managed)
- Significant and unreasonable reductions in groundwater storage
- Significant and unreasonable seawater intrusion
- Significant and unreasonable degradation of water quality
- Significant and unreasonable land subsidence
- Surface water depletions that have significant and unreasonable adverse impacts on beneficial uses

Q: Isn’t this basically a state takeover of groundwater?

A: No. At its core, the legislation provides a framework for the improved management of groundwater supplies by local authorities. In fact, it provides protection against state intervention, provided that local agencies develop and implement groundwater sustainability plans as required by the legislation. Significantly, the legislation provides tools and authorities some agencies have previously lacked to manage for sustainability. In addition, it provides substantial time (20 years from the time a GSP is adopted) to take the actions necessary to achieve sustainability.

Q: Does this legislation take away the ability of growers to pump groundwater if the current drought continues?

A: No. The legislation will not affect the ability of local water managers and water users to get through the current drought. The legislation allows local managers time to get on the path of sustainability. It recognizes that implementation of local groundwater sustainability plans may take up to 20 years.
Frequently Asked Questions

Q: How does this legislation affect existing water and property rights?
A: The legislation does not change existing groundwater rights. Groundwater rights will continue to be subject to regulation under article 10, section 2, of the California Constitution.

Q: Will this legislation make future adjudications more complicated?
A: No. In fact, it is possible that future adjudications would be made easier because there will be more data and information about the basin and pumpsers available. Although it is important to note that the legislation will restrict public release of information related to individual groundwater pumpsers.

Q: Does this legislation allocate groundwater for environmental and habitat purposes?
A: The legislation does not allocate water for any purpose. There is no expansion of water rights and the public trust doctrine does not apply to groundwater. Local agencies may choose to address this issue in their plans, if they desire.

Q: Why doesn’t this legislation address groundwater recharge as a beneficial use of surface water?
A: Groundwater recharge is currently accomplished by filing a petition with the State Board that demonstrates the water would be put to beneficial use. ACWA members have been working on legislative language to address this matter but have not yet reached agreement on any recommendations.

Q: Where can I get more information on groundwater sustainability?
A: Information is available from the following resources:

California Department of Water Resources Groundwater Information Center
http://www.water.ca.gov/groundwater/

ACWA’s Recommendations for Achieving Groundwater Sustainability
http://www.acwa.com/content/groundwater/acwa-recommendations-achieving-groundwater-sustainability

California Water Foundation Information / Recommendations on Groundwater Sustainability
www.californiawaterfoundation.org
Sustainable Groundwater Management Act
PROPOSED BASIN BOUNDARY EMERGENCY REGULATIONS
California Department of Water Resources
http://water.ca.gov/groundwater/sgm/basin_boundaries.cfm

In September 2014, the Governor signed into law the Sustainable Groundwater Management Act (SGMA). The Department has developed a program and is currently implementing new and expanded responsibilities identified in SGMA. One of these responsibilities is developing emergency regulations to modify groundwater basin boundaries. SGMA established a process for local agencies to request that DWR revise the boundaries of a groundwater basin or subbasin, including the creation of new subbasins. California’s existing groundwater basins and subbasins are described and delineated in DWR’s Bulletin 118-Update 2003, and the key definitions of basin, subbasin, and aquifer used in the emergency regulation are as follows:

- A **basin** refers to an area specifically defined as a basin or “groundwater basin” in Bulletin 118, and shall refer generally to an aquifer or stacked series of aquifers with reasonably well-defined boundaries in a lateral direction, based on features that significantly impede groundwater flow, and a definable bottom, as further defined or characterized in Bulletin 118.

- A **subbasin** refers to an area specifically defined as a subbasin or “groundwater subbasin” in Bulletin 118, and shall refer generally to any subdivision of a basin based on geologic and hydrologic barriers or institutional boundaries, as further described or defined in Bulletin 118.

- An **Aquifer** refers to a three-dimensional body of porous and permeable sediment or sedimentary rock that contains sufficient saturated material to yield significant quantities of groundwater to wells and springs, as further defined or characterized in Bulletin 118.

By January 1, 2016, DWR is required to adopt emergency regulations that specify the information required to comply with Water Code §107222.2, which outlines the process that local agencies shall follow when requesting modifications to existing boundaries of groundwater basins and subbasins or the creation of new subbasins. The emergency regulations also identify the methodology and criteria that will be applied by DWR when evaluating modification requests. In general, DWR will apply the following criteria when evaluating boundary modification requests:

- How to assess the likelihood that the proposed basin can be sustainably managed.
- How to assess whether the proposed basin would limit the sustainable management of adjacent basins.
- How to assess whether there is a history of sustainable management of groundwater levels in the proposed basin.

Existing groundwater basin and subbasin boundaries have been defined and revised based on the best available information during each past update of Bulletin 118. The emergency regulations create a process that builds off this historical knowledge and provides a mechanism to modify basin and subbasin boundaries or create new subbasins based on new scientific information and local groundwater management knowledge to improve coordination and promote statewide sustainable groundwater management.

The emergency regulations have been organized in a manner to encompass the variety of modifications that may be requested by a local agency (Requesting Agency). The requirements for each boundary modification vary according to the type of modification requested. Requesting Agencies are required to the greatest extent practicable, combine all boundary modification requests that affect the same basin or subbasin and coordinate with other affected local agencies and affected public water systems, as necessary, to present the information as a single request.
SUMMARY OF REGULATION ARTICLES
The emergency regulations will be part of the California Code of Regulations Title 23 - Waters, Division 2 - Department of Water Resources, Chapter 1.5 – Groundwater Management, Subchapter 1 – Groundwater Basin Boundaries, and are arranged into seven articles. The following is a brief summary of each article:

1. **Introductory Provisions**: Provides the authority and intent of the subchapter.
2. **Definitions**: Provides definitions to key terms used in the regulations.
3. **Boundary Modification Categories**: Provides a description for characterizing the type of modification being requested.
4. **Procedures for Modification Request and Public Input**: Describes procedural requirements related to boundary modification requests and public input to those requests.
5. **Supporting Information**: Description of the required information to support the proposed basin modification.
6. **Methodology and Criteria for Evaluation**: Description of the criteria by which information provided in Article 5 will be evaluated.
7. **Adoption of Boundary Modification**: Procedure for the adoption of boundary modifications by DWR.

MODIFICATION TYPES
There are two types of basin modifications, scientific and jurisdictional, each with specific requirements to justify the modification request. The following is a description and graphical representation of the types of basin or subbasin modifications:

<table>
<thead>
<tr>
<th>Scientific</th>
<th>Hydrogeologic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal</td>
<td>Consolidation</td>
</tr>
<tr>
<td>Jurisdictional</td>
<td>Subdivision</td>
</tr>
</tbody>
</table>

**Scientific Modifications**: A scientific modification to a basin or subbasin boundary involves the addition, deletion, or relocation of a boundary based on the geologic or hydrologic conditions that define a groundwater basin or subbasin.

**Jurisdictional Modifications**: A jurisdictional modification involves the addition, deletion, or relocation of a basin or subbasin boundary that is not a scientific modification but promotes sustainable groundwater management.

**Examples of Modification Types**

**SCIENTIFIC**

A **scientific** revision to a basin boundary consists of the addition, deletion, or relocation of a boundary based on the geologic or hydrologic conditions that define that basin.
INTERNAL  
(Jurisdictional)

Internal Boundary Revision refers to any boundary modification that would adjust the location of a boundary between subbasins, within a basin, or the shared boundary between adjacent basins.

COUNTY BASIN CONSOLIDATION  
(Jurisdictional)

County Basin Consolidation means the consolidation of all contiguous basins or subbasins within a county into a single basin or subbasin whose boundaries do not extend beyond those of the county.

BASIN CONSOLIDATION  
(Jurisdictional)

Basin Consolidation refers to any boundary modification that would reduce the number of subbasins within a basin, or merge two or more adjacent basins, but would change only shared boundaries and would not change the external boundary of any basin or subbasin.

BASIN SUBDIVISION  
(Jurisdictional)

Basin Subdivision refers to any boundary modification that would increase the number of subbasins within a basin or subbasin.
REQUIRED COMPONENTS OF BOUNDARY MODIFICATION

The information submitted by a Requesting Agency to justify a boundary modification will be evaluated using the criteria described in SGMA (Water Code § 107222.2(c)(1)-(3)). The criteria are general, as described below, but provide a context in which to present information to support the boundary modification request.

- How to assess the likelihood that the proposed basin can be sustainably managed.
- How to assess whether the proposed basin would limit the sustainable management of adjacent basins.
- How to assess whether there is a history of sustainable management of groundwater levels in the proposed basin.

All of the following three components are required for boundary modifications relate to Water Code §107222.2(a):

Component 1 – General Information

A Requesting Agency will be required to provide general information including: contact information, evidence of statutory or other legal authority of the agency, a narrative description of the proposed boundary modification and a copy of an adopted board resolution initiating the boundary modification request. This information is important as it provides the opportunity to explain what type of boundary modification is being proposed and an explanation of how the boundary modification will promote sustainable groundwater management in the proposed basin or subbasin. It also provides for the evaluation of eligibility as a local agency and provides contact information to assure that the boundary modification request is coordinated properly.

Component 2 – Notification, Consultation, and Public and Local Agency Input

A Requesting Agency will need to demonstrate evidence of notification and consultation with local agencies and public water systems and, along with DWR, provide opportunities for public input. The purpose of these requirements are to establish communication and coordination between local agencies, public water systems, and the public on each boundary modification. This will allow DWR to receive and evaluate relevant comments, both for and against a boundary modification, from as any entities and individuals as possible in order to make the most informed decision when approving boundary modification requests. Key requirements for notification, consultation, and local agency and public input are described below and in more detail in Article 4 and 5 of the regulations:

Public Input (§343.12) - Any person may provide information to support or oppose a proposed boundary modification request and DWR will consider such comments as part of its evaluation of a boundary modification request.

Local Agency Input (§344.8) - All requests are required to include the following (Article 5):

- Evidence that the requesting agency provided information to affected local agencies and affected public water systems regarding the proposed boundary modification as required by Section 344.4 and provided those affected local agencies and affected public water systems an opportunity to comment in support or opposition.
- Copies of all comments and documents from affected local agencies and affected public water systems in support of or opposition to the proposed modification.
- Any evidence the Requesting Agency believes will rebut any opposition to the proposed boundary modification or otherwise assist the Department in its evaluation.

Any affected local agency or affected public water system that elects to support or oppose the proposed boundary modification is required to provide the requesting agency with one of the following:

- A copy of a resolution formally adopted by the decision-making body of the affected local agency or affected public water system.
- A letter signed by an executive officer or other official with appropriate delegated authority who represents the affected local agency or affected public water system.
A request that involves basin subdivision pursuant to Section 342.4(c) shall provide information demonstrating that the proposed boundary modification is supported by at least three-fourths of the local agencies and public water systems in the affected basins.

The level of detail provided by public input and by an affected local agency or affected public water system in support or opposition to a proposed boundary modification need not be as comprehensive as that contained in the request, but the support or opposition must rely on similar scientific and technical information as the particular boundary modification request to which it is addressed, and will be evaluated by the Department using the same criteria.

Component 3 – Technical Information

Technical information describing and supporting the three criteria identified in Water Code § 10722.2(c) is required for boundary modification. Requesting Agencies are required to provide evidence to justify the modification of a basin boundary and show compliance with the legislative intent of the SGMA. The technical supporting information required for each modification type are illustrated in the boundary modification process graphic below and described in detail in Article 5.

STAKEHOLDER INPUT OPPORTUNITIES

Local agencies, as defined in the SGMA, are eligible to request boundary modifications. The emergency regulations have been established to provide multiple opportunities for stakeholder input and notification of basin modification requests. The initial opportunity is direct communication with the Requesting Agency or an affected local agency through typical hearing processes at the local level. The notice, consultation, and public and local agency input components require at least one public meeting to occur prior to all boundary modification requests.

The emergency regulations includes a Public Input provision (§343.12), which defines a process for any person to provide information to support or oppose a proposed boundary modification request after a request is officially submitted to the DWR.

After DWR evaluates all boundary modification requests, DWR will make a draft list of approved boundary modifications available on its website and will hold at least one public meeting to present and discuss the proposed boundary modifications. Another opportunity to provide input is when DWR presents the draft list of approved boundary modifications to the California Water Commission (CWC) for hearing and comment.

NEXT STEPS FOR ADOPTING REGULATIONS

The following are the anticipated next steps for adopting the emergency regulations:

- **October 21, 2015** – Presentation of proposed emergency regulations to CWC for adoption.
- **January 1, 2016** – Boundary modification requests accepted by DWR within 90 day period.

*All dates are subject to change.*
Study Session Material
Special Project Committee