



# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY BOARD OF DIRECTORS

## Board of Directors

**Derek Yurosek** Chairperson, Cuyama Basin Water District  
**Lynn Compton** Vice Chairperson, County of San Luis Obispo  
**Das Williams** Santa Barbara County Water Agency  
**Cory Bantilan** Santa Barbara County Water Agency  
**Glenn Shephard** County of Ventura  
**Zack Scrivner** County of Kern

**Paul Chounet** Cuyama Community Services District  
**George Cappello** Cuyama Basin Water District  
**Byron Albano** Cuyama Basin Water District  
**Jane Wooster** Cuyama Basin Water District  
**Tom Bracken** Cuyama Basin Water District

## AGENDA

November 7, 2018

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, November 7, 2018 at 4:00 PM, at the Cuyama Valley Family Resource Center, 4689 CA-166, New Cuyama, CA 93254. To hear the session live call (888) 222-0475, code: 6375195#.

### Teleconference Locations:

Cuyama Valley Family  
Resource Center  
4689 CA-166  
New Cuyama, CA 93254

Kern County Administration Building  
County Administrative Office  
1115 Truxtun Avenue, 5th Floor  
Bakersfield, CA 93301

Carpinteria Children's Project  
5201 8th Street  
Carpinteria, CA 93013

The order in which agenda items are discussed may be changed to accommodate scheduling or other needs of the Board or Committee, the public, or meeting participants. Members of the public are encouraged to arrive at the commencement of the meeting to ensure that they are present for discussion of all items in which they are interested.

*In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, to participate in this meeting, please contact Taylor Blakslee at (661) 477-3385 by 4:00 p.m. on the Friday prior to this meeting. Agenda backup information and any public records provided to the Board after the posting of the agenda for this meeting will be available for public review at 4689 CA-166, New Cuyama, CA 93254. The Cuyama Basin Groundwater Sustainability Agency reserves the right to limit each speaker to three (3) minutes per subject or topic.*

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Approval of Minutes
  - a. October 3, 2018
5. Report of the Standing Advisory Committee
6. Technical Forum Update

7. Groundwater Sustainability Plan
  - a. Groundwater Sustainability Plan Update
    - i. GSP Schedule and Outline
    - ii. Sustainability Discussion
    - iii. Monitoring Networks Update
  - b. Management Areas Adoption
  - c. DWR Technical Support Services Update
    - i. Monitoring Well Locations Approval
  - d. Stakeholder Engagement Update
8. Groundwater Sustainability Agency
  - a. Report of the Executive Director
  - b. Progress & Next Steps
  - c. Report of the General Counsel
9. Financial Report
  - a. Financial Management Overview
  - b. Financial Report
  - c. Payment of Bills
10. Reports of the Ad Hoc Committees
11. Directors' Forum
12. Public comment for items not on the Agenda

*At this time, the public may address the Board on any item not appearing on the agenda that is within the subject matter jurisdiction of the Board. Persons wishing to address the Board should fill out a comment card and submit it to the Board Chair prior to the meeting.*
13. Adjourn

# Cuyama Basin Groundwater Sustainability Agency Board of Directors Meeting

October 3, 2018

## Draft Meeting Minutes

Cuyama Valley Family Resource Center, 4689 CA-166, New Cuyama, CA 93254

### PRESENT:

Yurosek, Derek – Chair  
Compton, Lynn – Vice Chair (*telephonically*)  
Albano, Byron  
Bantilan, Cory  
Bracken, Tom  
Klinchuch, Matt – *Alternate for George Cappello*  
Coates, John – *Alternate for Paul Chounet*  
Shephard, Glenn  
Wooster, Jane  
Beck, Jim – Executive Director  
Hughes, Joe – Legal Counsel

### ABSENT:

Scrivner, Zack

#### 1. Call to order

Chair Derek Yurosek called the meeting to order at 4:02 p.m.

#### 2. Roll call

Hallmark Group Project Coordinator Taylor Blakslee called roll (shown above) and informed Chair Yurosek that there was a quorum of the Board.

#### 3. Pledge of Allegiance

The pledge of allegiance was led by Chair Yurosek.

#### 4. Approval of Minutes

Chair Yurosek opened the floor for comments on the September 5, 2018 meeting minutes of the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board of Directors. A motion was made by Director Cory Bantilan to adopt the minutes and seconded by Director Tom Bracken. A roll call vote was made, Director Arne Anselm abstained from the vote, and the motion passed.

#### 5. Report of the Standing Advisory Committee

CBGSA Standing Advisory Committee (SAC) Chair Roberta Jaffe provided a report on the September 27, 2018 SAC meeting, which is provided in the Board packet.

SAC Chair Jaffe reported that Woodard & Curran's (W&C) Senior Hydrogeologist John Ayres attended the September 27, 2018 SAC meeting and provided technical feedback regarding the Hydrogeological Conceptual Model section. She stated the SAC reached a consensus on the establishment of Management Areas and had a discussion regarding monitoring groundwater quality issues.

## 6. Technical Forum Update

W&C Principal Lyndel Melton provided an overview of the August 31, 2018 technical forum meeting, which is summarized in the Board packet.

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Director Das Williams arrived at 4:09 pm  
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Director John Coates said Santa Barbara County Public Works Department Senior Hydrologist Dennis Gibbs made a comment at the technical forum regarding whether one of the agricultural wells on Duncan Family Farms has any effect in the drop of the Cuyama Community Services District (CCSD) well. He reported that the tech forum was looking into investigating this. Additionally, Director Coates mentioned that on the contouring map there is a deep well being represented in the same general area as the CCSD. He asked if the connection between those is being investigated. Mr. Melton said he is not sure of that status on that issue but will get an answer and respond to him.

## 7. Groundwater Sustainability Plan

### a. Groundwater Sustainability Plan Update

Mr. Melton provided an update on GSP activities, which is included in the Board packet.

In regards to the Groundwater Sustainability Plan (GSP) schedule, Mr. Melton reminded the Board that they requested W&C accelerate the GSP schedule in order to develop a public draft GSP by mid-July 2019.

SAC Chair Jaffe asked what the trade-offs are of having a May-June 2019 release rather than waiting until January 2020. Mr. Melton said he does not believe the SAC and Board will be missing any of the GSP sections and would therefore have more time to review the entire document by developing a public draft by mid-2019. He noted that the current GSP schedule is very workable.

Director Jane Wooster mentioned that she has had some issues with data in the Data Management System (DMS). Mr. Melton encouraged her to let Mr. Blakslee know what those issues are and he will consolidate the information and coordinate with W&C. Mr. Melton said they would like to know where the production wells are, but are only using data from monitoring wells and some wells that serve the dual purpose of production and monitoring.

SAC Vice Chair Brenton Kelly commented that Opti does not show perforations of the wells and asked why they are not showing up. Mr. Melton said he will track this down and report back.

### i. Monitoring Networks Section Release

Mr. Melton reported that the Monitoring Networks section was released on September 21, 2018. There will be a discussion regarding the section at the November 1, 2018 SAC



meeting, and the comments regarding the section are due November 9, 2018.

Director Coates asked if W&C has access to LIDAR data for additional subsidence monitoring. Mr. Melton replied that they do, and using that data is something they will consider.

Mr. Kelly asked if W&C applied for Technical Support Services related to subsidence monitoring and Mr. Melton said they applied for it but are not sure they are going to get it.

Director Albano asked if the proposed monitoring network for groundwater levels provides adequate coverage moving forward. Mr. Melton said W&C has applied for a few monitoring wells. Chair Yurosek commented that he assumes W&C is not happy with the monitoring network and plan on making recommendations for adding additional monitoring wells in the network. Mr. Albano requested to hear from W&C on what additional wells might be needed. Mr. Melton replied that W&C will work on this recommendation.

Chair Yurosek commented that he thinks we need more information on subsidence monitoring and that he agreed with Director Coates regarding the use of LIDAR.

SAC Chair Jaffe asked what is being looked at in terms of groundwater quality monitoring. Mr. Melton said W&C will look at water quality based on the requirements of the Sustainable Groundwater Management Act (SGMA) and public health issues. SAC Chair Jaffe said they were told at the SAC meeting that arsenic may not be monitored and asked what constituents will be monitored. Mr. Melton said they have not determined that yet.

Santa Barbara County Water Agency's (SBCWA) Water Resources Program Manager Matt Young said SBCWA previously hired USGS to put Santa Barbara County monitoring network well data in the California Statewide Groundwater Elevation Monitoring (CASGEM) program. He reported the County owns three wells and the rest are private wells. He said the County is no longer hiring USGS to monitor the data because they now monitor the wells themselves. He mentioned that a lot of monitoring will further be delegated to the various GSAs the County is in. However, Mr. Young mentioned that the County still retains some responsibility as the CASGEM reporter.

Director Williams asked what pollutants are monitored. Mr. Young said they look at metals, nutrients, total dissolved solids (TDS), and temperature, however the County does not collect much groundwater quality data.

CBGSA Executive Director Jim Beck commented that there is a lot of monitoring occurring and the Board needs to determine the appropriate level of monitoring as related to SGMA. Mr. Beck advised using the word "constituents," not "pollutants" because arsenic is naturally occurring.

Director Williams recalled that from the information that was stated at the September 5, 2018 workshop, he understood that W&C believes TDS is the only constituent that will be monitored as part of the SGMA-related nexus.

**ii. Update on Groundwater Conditions Section**

Mr. Melton reported on the Groundwater Conditions section and noted that the comment period has been extended to October 5, 2018.

Cuyama Valley Family Resource Center Executive Director Lynn Carlisle asked when the Groundwater dependent ecosystems will be developed and Mr. Melton replied in a month or two.

**iii. Update on Data Management System Release**

Mr. Melton reported that the DMS was released on September 20, 2018, along with a quick start guide to assist users.

SAC Vice Chair Kelly asked if the subsidence monitors are in the DMS. Mr. Melton replied that he will confirm and report back.

Director Wooster commented that the DMS is very easy to use.

**iv. Management Areas Discussion**

Mr. Melton said the goal today for management areas is to hear the Board's input on W&C's recommendations. He reported that W&C plans on revising the proposal in October for a potential November 2018 Board approval. Mr. Melton reminded the Board that the management areas are optional and is up to the Board on whether they are used or not.

Director Coates said the CCSD's concern is that resident's water use will not have a meaningful impact on agriculture's use and recommends the CCSD potentially become its own management area, or not use the Russel Fault as a definitive boundary.

Director Wooster said at the September 5, 2018 workshop, W&C was going to let the group know what could be accomplished with management areas. She commented that she believes the Russel Fault is an arbitrary choice and wished John Ayres would have been present at the Board meeting to further explain the reasoning behind the recommended management areas. Director Wooster said she is more comfortable with a management area based on water conditions. She commented that she is looking for more of a dialogue.

Director Albano commented that he believes that John Ayres should have been present at the meeting. Mr. Melton said we may need to push back the adoption of Management Areas by a month to provide the opportunity for additional dialogue.

Mr. Albano said the timing of identifying potential management areas is so important now because, as he recalled, John Ayres said the information is needed to identify thresholds and sustainability goals.

Alternate Director Matt Klinchuch mentioned that he would like to hear from John Ayres regarding the west side of basin and how comfortable W&C is with the Russell Fault being a barrier to flow.

Director Anselm said he can support W&C's recommendation and the physical boundaries are appropriate.

Chair Yurosek commented that management areas are great as an idea, but the Board needs to think about managing the entire basin. Chair Yurosek said John Ayres will need to convince him why management areas are needed because DWR had said that GSAs do not need management areas to set different thresholds or objectives. He said he will need to see the data for the management area boundaries before he sees the delineations on a map.

Mr. Beck reminded the group that management areas are not final and can be adjusted going forward.

Director Wooster said it is important to hear what W&C is trying to accomplish with management areas.

SAC Chair Jaffe commented that many of the questions the Board asked were also brought up the SAC meeting. She felt John Ayres was able to address the Committee's questions and bring the SAC to consensus.

Chair Yurosek proposed having the Board member's questions documented and forwarded to W&C for a presentation next month.

Director Compton said San Luis Obispo County plans on submitting comments on management areas from a financial concern.

Ms. Carlisle asked if the CBGSA chose not to have management areas, would they still need boundaries for thresholds. Chair Yurosek and Mr. Melton confirmed that boundaries would still be needed. Chair Yurosek commented that a number of GSAs are not using management areas and wants to understand why they are important for Cuyama.

**b. Hydrogeologic Conceptual Model Section Adoption**

Mr. Melton provided an overview on the revised Hydrogeologic Conceptual Model (HCM).

Mr. Melton mentioned that Director Wooster had questions regarding the Russel Fault language on page 2-18. He reported that the original wording did not capture the intent of that section and will be modified.

Director Coates asked about the concerns the SAC had on the HCM. SAC Chair Jaffe confirmed that the Committee had concerns but ultimately approved it. Mr. Beck said while perfection is the goal, it is not always achieved. He said that W&C received their comments and would address those in upcoming GSP sections.

Director Albano made a motion to adopt the HCM, subject to corrections that Director Wooster mentioned, and was seconded by Director Bracken. A roll call vote was made, and the motion passed by a supermajority vote of 88.89% (a 75% approval is need for a supermajority vote).

**c. Stakeholder Engagement Update**

GSP outreach consultant the Catalyst Group's (Catalyst) Charles Gardiner provided an update on stakeholder engagement activity. Mr. Gardiner reported that Catalyst is working on the next newsletter which will be coming out next month.

Mr. Gardiner provided a debrief of the September 5, 2018 public workshops and asked the Board for any feedback. Mr. Beck commented that we will have amplification for the next workshop.

Director Wooster mentioned that the September 5, 2018 workshop was a big improvement from the June 6, 2018 workshop with stakeholders providing good comments and discussions.

SAC Committee member Louise Draucker stated that the CBGSA will need to check the calendar in the future to ensure there are not competing events to ensure maximum participation from stakeholders.

Mr. Gardiner informed the group that the Cuyama Valley Recreational District is unavailable the week of December 3-7 for the next workshop. Mr. Beck said the options for the next workshop is holding them on December 4th or 6th at the Cuyama Valley High School or pushing the workshop and Joint Board and SAC meeting to the following week. There was general consensus among the Board to hold the public workshop and Joint Board and SAC meeting on December 4, 2018, while a few Board members needed to check their calendars and report back.

**8. Groundwater Sustainability Agency****a. Report of the Executive Director**

Mr. Beck reported that a request was made to provide Spanish translations of the GSP sections and after talking to W&C, it was determined that there is not room in the budget to do so.

Chair Yurosek asked if the counties have services or support that can provide translation services. Ms. Carlisle said the Cuyama Valley Family Resource Center provides live translation, but not written translation. Director Williams said they have translation staff and will check to see if that is an option.

**b. Progress & Next Steps**

Mr. Beck provided an update on the near-term GSP schedule and the accomplishments and next steps, which are summarized in the Board packet.

**c. Report of the General Counsel**

Nothing to report.

**9. Financial Report****a. Financial Management Overview**

Mr. Blakslee provided an overview of the CBGSA's financial activities. He mentioned that, as of

August 31, 2018, outstanding invoice amount totaled \$552,811.00.

Mr. Beck reminded the Board that Hallmark's Task Order No. 1's term is through December 31, 2018 and suggested we work with an ad hoc to extend Hallmark's Task Order 1 and potentially combine both Task Orders for simplicity.

**b. Financial Report**

Mr. Blakslee provided an overview of the financial report.

**c. Payment of Bills**

Mr. Blakslee reported on the payment of bills for the month of August 2018. A motion was made by Director Wooster and seconded by Director Anselm to approve payment of the bills through the month of August 2018 in the amount of \$217,665.59, pending receipt of funds. A roll call vote was made, and the motion passed unanimously.

**10. Reports of the Ad Hoc Committees**

Nothing to report.

**11. Directors' Forum**

Nothing to report.

**12. Public comment for items not on the Agenda**

Nothing to report.

**13. Adjourn**

Chair Yurosek adjourned the CBGSA Board at 5:56 p.m.

I, Jim Beck, Executive Director to the Cuyama Basin Groundwater Sustainability Agency Board of Directors, do hereby certify that the foregoing is a fair statement of the proceedings of the meeting held on Wednesday, October 3, 2018, by the Cuyama Basin Groundwater Sustainability Agency Board of Directors.

**Jim Beck**

Dated: November 7, 2018



TO: Board of Directors  
Agenda Item No. 5

FROM: Roberta Jaffe, Standing Advisory Committee Chair

DATE: November 7, 2018

SUBJECT: Report of the Standing Advisory Committee

**Issue**

Report on the Standing Advisory Committee meeting.

**Recommended Motion**

None – information only.

**Discussion**

Provided as Attachment 1 is a report on the November 1, 2018 Standing Advisory Committee (SAC) from SAC Chair Roberta Jaffe and Vice Chair Brenton Kelly.

The purpose of this report is to provide the Cuyama Basin Groundwater Sustainability Agency Board of Directors with SAC input on the various Groundwater Sustainability Plan (GSP) components and issues that will better equip the Board when making decisions on GSP-related issues.

## **Standing Advisory Committee Report**

**Meeting: November 1, 2018**

Submitted to the GSA Board November 7, 2018

By Roberta Jaffe, SAC Chair

Brenton Kelly SAC Vice-Chair

8 members of the SAC were present; 1 telephonically; 1 member was absent  
There were approximately 8 people in the audience including 1 Cuyama Basin Water District (CBWD) Director who also serves as a GSA Board Member. Matt Young of the Santa Barbara County Water Agency joined the meeting telephonically as a technical advisor. The meeting lasted a little under 4 hours.

### **Areas of discussion were as follows:**

#### **GSP Update: Sustainability Discussion and Threshold Regions**

Most of the 4-hour meeting focused on discussing the possible strategies for developing minimum thresholds and measurable objectives, and the relation of this to different regions of the Basin (management areas or threshold regions). In conjunction with this four revised options for threshold regions were considered.

The SAC unanimously passed the following 2 resolutions as recommendations to the Board:

1) Vice Chair Kelly made a motion to recommend threshold regions be adopted. The motion was seconded by Committee Member Furstenfeld and passed unanimously. This resolution approves the idea of having separate threshold regions, but does not express support for any specific configuration of regions.

2) Vice Chair Kelly made a motion to direct Woodard & Curran to use Option D to develop preliminary threshold numbers. The motion was seconded by Committee Member Draucker and passed unanimously.

These are presented as two separate recommendations for the following reasons:

The SAC and the audience voiced strong support for threshold regions/management areas and see this as a logical way to coordinate the diverse sections of the Basin. At our September 27<sup>th</sup> meeting we had previously endorsed management areas and the 4 areas that had been recommended for the Basin.

The second resolution followed a lengthy discussion on the four options presented for region boundaries. Overall there was general support for the separation of the Badlands Area from the rest of the southeast/east regions in Option D. However, both SAC members and audience participants voiced concern about the division of the Western region. Specific concerns were whether the Russell Fault boundary was at the appropriate location since wells to the east of it were more similar to groundwater levels in the western area; and as to the rationale as to why the western region would be arbitrarily divided separating northwest and southwest wells. We agreed that Woodard and Curran would bring to our next meeting examples of what minimum thresholds

would be like on representative wells in the six Option D regions. Thus Option D boundaries were not approved but agreed upon as a working format.

Additional topics addressed during the meeting:

**Update on USGS Tritium Study:** John Ayres gave a “pudding” demonstration as to how younger water (with tritium) could move into lower levels of the aquifer when monitored near a deep pump while in other areas it would not be able to percolate to lower levels. Discussion pursued whether there were already C-14 studies done to age the water and how would water quality for the Basin be monitored. There was no clear consensus reached as several folks wished to see more evidence of how recent recharge is or isn’t moving into the main basin.

**Discussion on Monitoring Network Section:** This discussion was abbreviated due to the length of previous agenda items. Key areas of question included:

- how were the representative wells selected and if this needed further review
- concern for addressing the many data gaps in the network
- concern about OPTI system not being updated when inaccurate information is reported and what the procedure will be related to this.
- concern and disappointment that the Sustainability Indicator of Interconnected Surface waters has no data, no monitoring network and no plans as to filling this data gaps other than generating estimates from the numeric model that has no GDE data.

Comments are due November 9<sup>th</sup>.

### **Summary.**

Two unanimous recommendations were passed for the Board to consider: (1) to use the concept of threshold regions within the Basin for setting sustainability guidelines; and (2) to use the map of Option D as a working draft to develop sample thresholds using the same rationale for wells within a region. There is strong support among the SAC for use of threshold regions/management areas. There is concern within the SAC about the north-south division of the western region and whether Russell Fault should be the eastern boundary of that region. There is strong support for the dividing of the eastern region as represented in Option D. Thus while the SAC supports the use of threshold regions, none of the specific options is currently being recommended.





TO: Board of Directors  
Agenda Item No. 6

FROM: Lyndel Melton, Woodard & Curran

DATE: November 7, 2018

SUBJECT: Technical Forum Update

**Issue**

Update on the Technical Forum.

**Recommended Motion**

None – information only.

**Discussion**

At the request of Cuyama Valley landowners, Cuyama Basin Groundwater Sustainability Agency Groundwater Sustainability Plan (GSP) consultant Woodard & Curran (W&C) has been meeting monthly with technical consultants representing landowners to discuss W&C's approach and to provide input where appropriate.

A summary of the topics discussed at the September 21, 2018 technical forum meeting is provided as Attachment 1, and the next forum is scheduled for November 13, 2018.



## MEETING MEMORANDUM

PROJECT: Cuyama Basin Groundwater Sustainability Plan Development

MEETING DATE:  
9/21/2018

MEETING: Technical Forum Conference Call

ATTENDEES: Matt Young (Santa Barbara County Water Agency)  
 Matt Scudato (Santa Barbara County Water Agency)  
 Matt Klinchuch (Cuyama Basin Water District)  
 Dennis Gibbs (Santa Barbara Pistachio Company)  
 Neil Currie (Cleath-Harris Geologists)  
 John Fio (EKI)  
 Jeff Shaw (EKI)  
 Anona Dutton (EKI)  
 Brian Van Lienden (Woodard & Curran)  
 Sercan Ceyhan (Woodard & Curran)  
 Ali Taghavi (Woodard & Curran)  
 Micah Eggleton (Woodard & Curran)  
 John Ayres (Woodard & Curran)  
 Byron Clark (Davids Engineering)  
 Bryan Thoreson (Davids Engineering)

### 1. AGENDA

- Monitoring Networks
- Update on Numerical Model Development
- Management Areas
- DWR Technical Services Program Update
- Next steps

### 2. DISCUSSION ITEMS

The following table summarizes comments raised during the conference call and the response and plan for resolution (if appropriate) identified for each item.

Item No.	Comment	Commenter	Response/Plan for Resolution
1	How does the monitoring well network for groundwater levels prioritize screen interval information vs measurement frequency?	Jeff Shaw	Higher measurement frequency is given higher priority over having screen interval information in monitoring well prioritization



2	How was prioritization performed for water quality monitoring wells?	Jeff Shaw	<b>There's not a lot of water quality data available</b> , so prioritization is focused on the number of water quality measurements at each well
3	Can we apply a tiering scheme to water quality, similar to levels?	Jeff Shaw	<b>That's something</b> that could be considered in the future, <b>but we're finding in general that the</b> quality of water quality data is low, which is why we need a plan to fill that data gap.
4	SBCWA provided us with an email with additional Western basin water quality data	Matt Scrudato	This will be considered as model refinement continues.
5	How are we separating out the effects of water vs oil for subsidence?	Neil Currie	The GSP propose that the GSA explore adding more subsidence data sensors, which will provide additional data to make this assessment.
6	How much of the available water level data was provided by private landowners and what is the quality of that data?	Dennis Gibbs	Data was provided by Grapevine, Bolthouse, and Grimmway. Their data was from pressure transducers or from their monitoring program. This data filled in data gaps for areas where we <b>wouldn't have</b> data otherwise. In the Groundwater Conditions section we compared historical level data between private and DWR/USGS and found that they were consistent with each other.
7	Are there any active monitoring sites in Ventura County?	Dennis Gibbs	There are 2 along the river at the South end of the Basin. The W&C team coordinated directly with Ventura County to obtain the available data.
8	Why does the top tier in the level prioritization require a <b>monthly frequency? Wouldn't</b> quarterly be sufficient?	Dennis Gibbs	DWR guidance materials clearly indicate that the Cuyama Basin needs to do monthly monitoring based on its quantity of groundwater use and recharge. We recommend that the entire monitoring network be monthly for the first few years and then quarterly after that.
9	A significant portion of the wells in the monitoring network are private landowners. Do they have consistent protocols for how they collect data?	Jeff Shaw	They are not consistent in how they do monitoring currently. The GSP will set up consistent protocols for future monitoring.
10	Water is currently moving east and west across the middle of the Basin	Dennis Gibbs	This is being represented in the IWFM model.
11	W&C requested assistance from the CBWD regarding production well locations. What is the status of that effort?	Brian Van Lienden	Matt Klinchuch has reached out to landowners and has acquired some data. Additional data should be provided by the end of next week, although he may not get a response from some landowners.



12	Can you share the IDC and PEST outputs from the model development?	John Fio and Jeff Shaw	While preliminary versions of these modules are complete, they continue to be refined as the IWFm model is calibrated. This data can be provided once the model calibration is complete.
13	How did you determine how much acreage is idle during the period of record?	Jeff Shaw	Idle land uses were included in the land use data provided by Bolthouse and Grimmway, and in the land use estimates developed by LandIQ. These were refined using Landsat satellite imagery to detect the actual presence of green vegetation each year.
14	What does a 2% difference in irrigated area translate to in terms of change in water demand?	Anona Dutton	For the CBWD ag area – 2% of ~57 TAF/year total demand equates to about 1,100-1,200 AF/year.
15	Are fallowed fields included in the remote sensing model?	Jeff Shaw	Yes
16	Would improving efficiency in lower efficiency areas improve the Basin water budget?	Jeff Shaw	Given the very low river flows in this Basin, it is <b>assumed that the water that's not consumed is returned to the groundwater</b> . Therefore, an <b>improvement in efficiency won't have an appreciable effect on the overall water budget</b> .
17	Looking at data density for the proposed southeast management area, <b>there's not</b> a lot of information to help understand conditions in that part of the Basin	Jeff Shaw	This is a critical data gaps area. But in some of these areas, <b>there's not a lot of need for data monitoring</b> .
18	The recommended management areas look really good. In east of Ventucopa area, <b>there's a finger that</b> should be in Southeast Basin Area.	Dennis Gibbs	The delineations of the management areas will be reviewed and refined.
19	Do we need to have a calibrated model before setting management areas?	Jeff Shaw	We need to set the sustainability thresholds very soon. While modeling results are useful, we need to move forward, and we can adjust <b>down the road. Modeling results probably won't change the management area delineations drastically</b> .



Cuyama Basin Groundwater Sustainability Agency

# Technical Forum Update

November 7, 2018



# October 23<sup>rd</sup> Technical Forum Discussion

- GSP Development Process and GSP Outline Update
- Update on Management Areas
- Sustainability Thresholds Overview
- Numerical Model Development Update
- Next Steps
- Next Meeting – November 13<sup>th</sup>

# Technical Forum Members

- Catherine Martin, San Luis Obispo County
- Matt Young, Santa Barbara County Water Agency
- Matt Scrudato, Santa Barbara County Water Agency
- Matt Klinchuch, Cuyama Basin Water District
- Jeff Shaw, EKI
- Anona Dutton, EKI
- John Fio, EKI
- Dennis Gibbs, Santa Barbara Pistachio Company
- Neil Currie, Cleath-Harris Geologists
- Matt Naftaly, Dudek



TO: Board of Directors  
Agenda Item No. 7a

FROM: Lyndel Melton, Woodard & Curran

DATE: November 7, 2018

SUBJECT: Groundwater Sustainability Plan Update

**Issue**

Update on the Cuyama Basin Groundwater Sustainability Agency Groundwater Sustainability Plan.

**Recommended Motion**

None – information only.

**Discussion**

Cuyama Basin Groundwater Sustainability Agency Groundwater Sustainability Plan consultant Woodard & Curran's GSP updates are provided as the following attachments:

- Attachment 1 – GSP Update
- Attachment 2 – GSP Schedule and Outline
- Attachment 3 – Sustainability Discussion
- Attachment 4 – Monitoring Networks Update



Cuyama Basin Groundwater Sustainability Agency

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# Groundwater Sustainability Plan Update

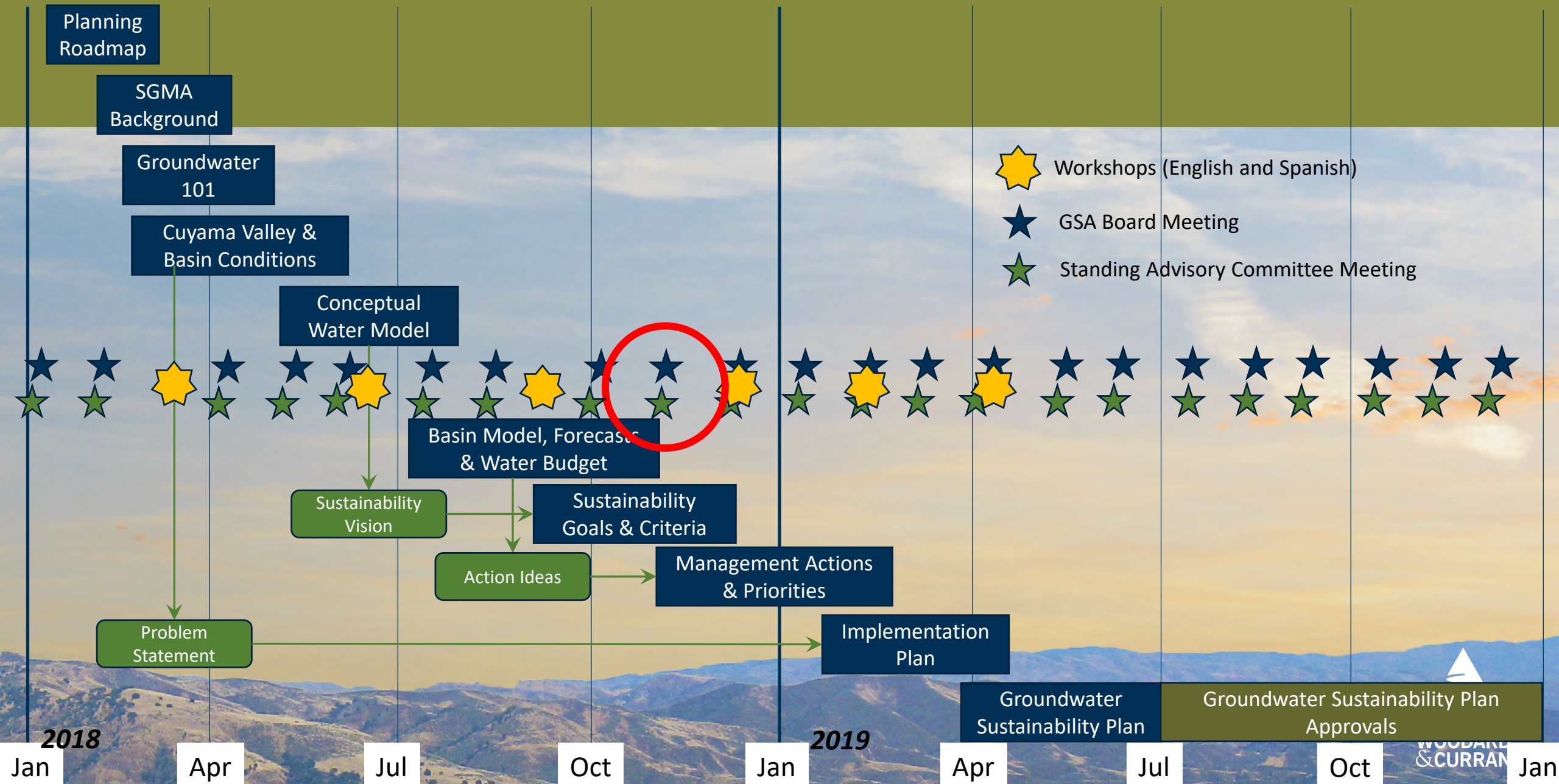
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November 7, 2018





# Cuyama Basin Groundwater Sustainability Plan – Planning Roadmap <sup>22</sup>



# October GSP Accomplishments

- ✓ Distributed revised Hydrogeologic Conceptual Model section
- ✓ Developed proposed management areas for discussion
- ✓ Developed conceptual sustainability approaches for discussion
- ✓ Identified well locations for CA DWR Technical Support Services
- ✓ Refined historical calibration of GSP numerical model
- ✓ Developed Cuyama Basin GSP newsletter



Cuyama Basin Groundwater Sustainability Agency

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# GSP Development Process and GSP Outline Update

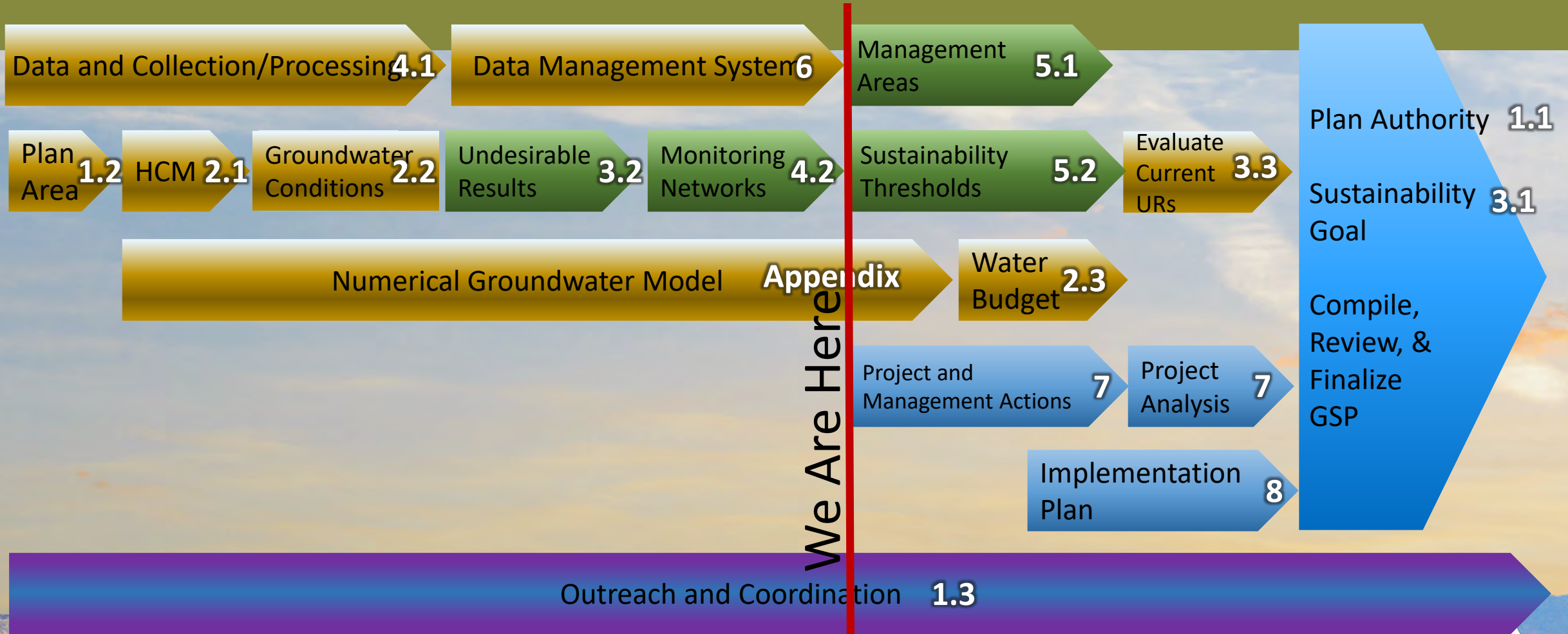
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November 7, 2018





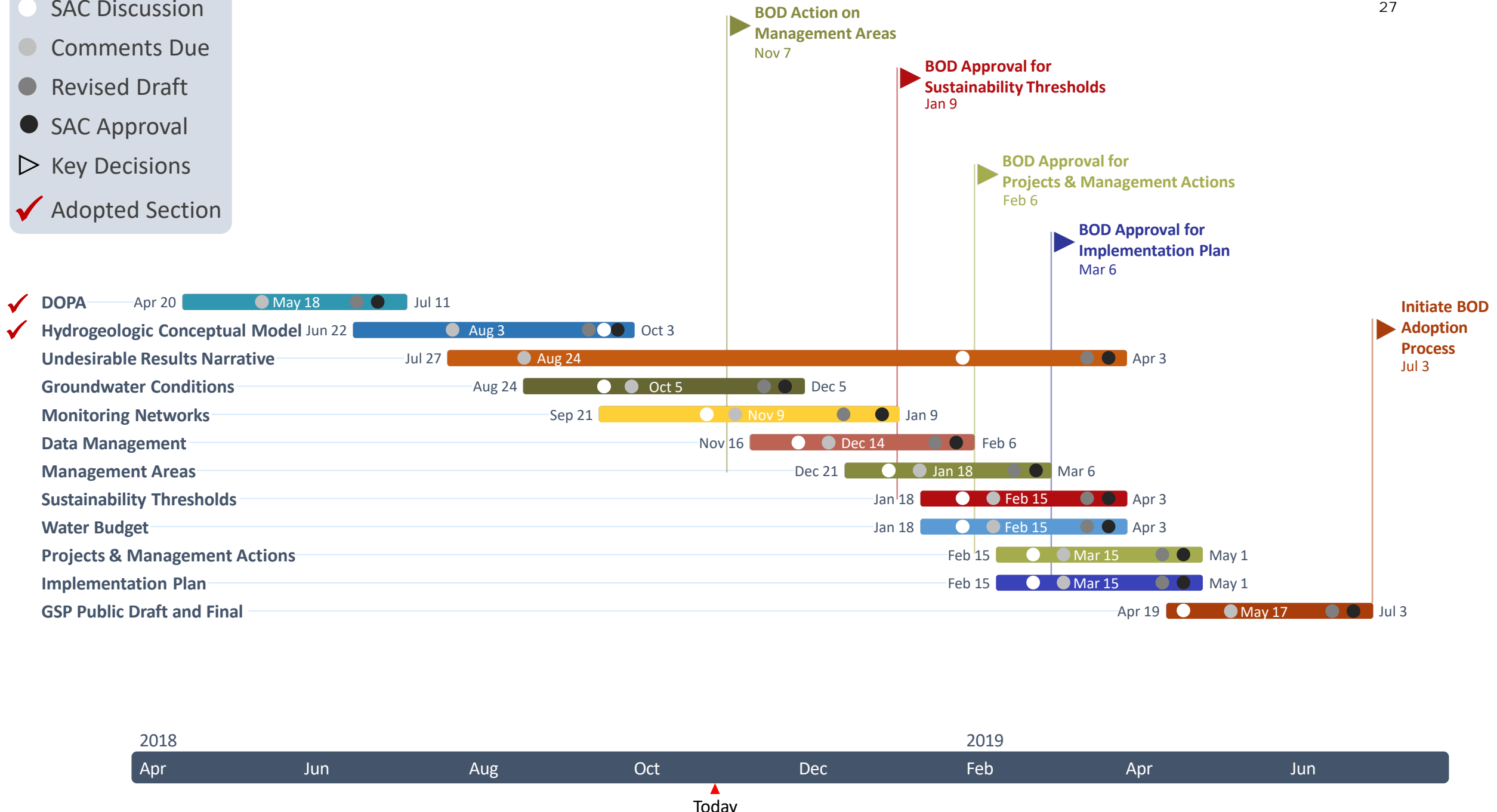
# GSP Development Process



# GSP Sections

1. Introduction
  - 1.1 GSA Authority & Structure
  - 1.2 Plan Area
  - 1.3 Outreach Documentation
2. Basin Settings
  - 2.1. HCM
  - 2.2 GW Conditions
  - 2.3 Water Budget
  - Appendix:* Numerical GW Model Documentation
3. Undesirable Results
  - 3.1 Sustainability Goal
  - 3.2 Narrative/Effects
  - 3.2 ID Current Occurrence
4. Monitoring Networks
  - 4.1 Data Collection/Processing
  - 4.2 GSP Monitoring Networks
5. Sustainability Thresholds
  - 5.1 Threshold Regions
  - 5.2 Minimum Thresholds, Measurable Objectives, Margin of Operational Flexibility, Interim Milestones
6. Data Management System
  - Appendix:* DMS User Guide
7. Projects & Management Actions
8. GSP Implementation

- SAC Discussion
- Comments Due
- Revised Draft
- SAC Approval
- ▷ Key Decisions
- ✓ Adopted Section





Cuyama Basin Groundwater Sustainability Agency

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# Sustainability Thresholds and Rationales Overview

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November 7, 2018

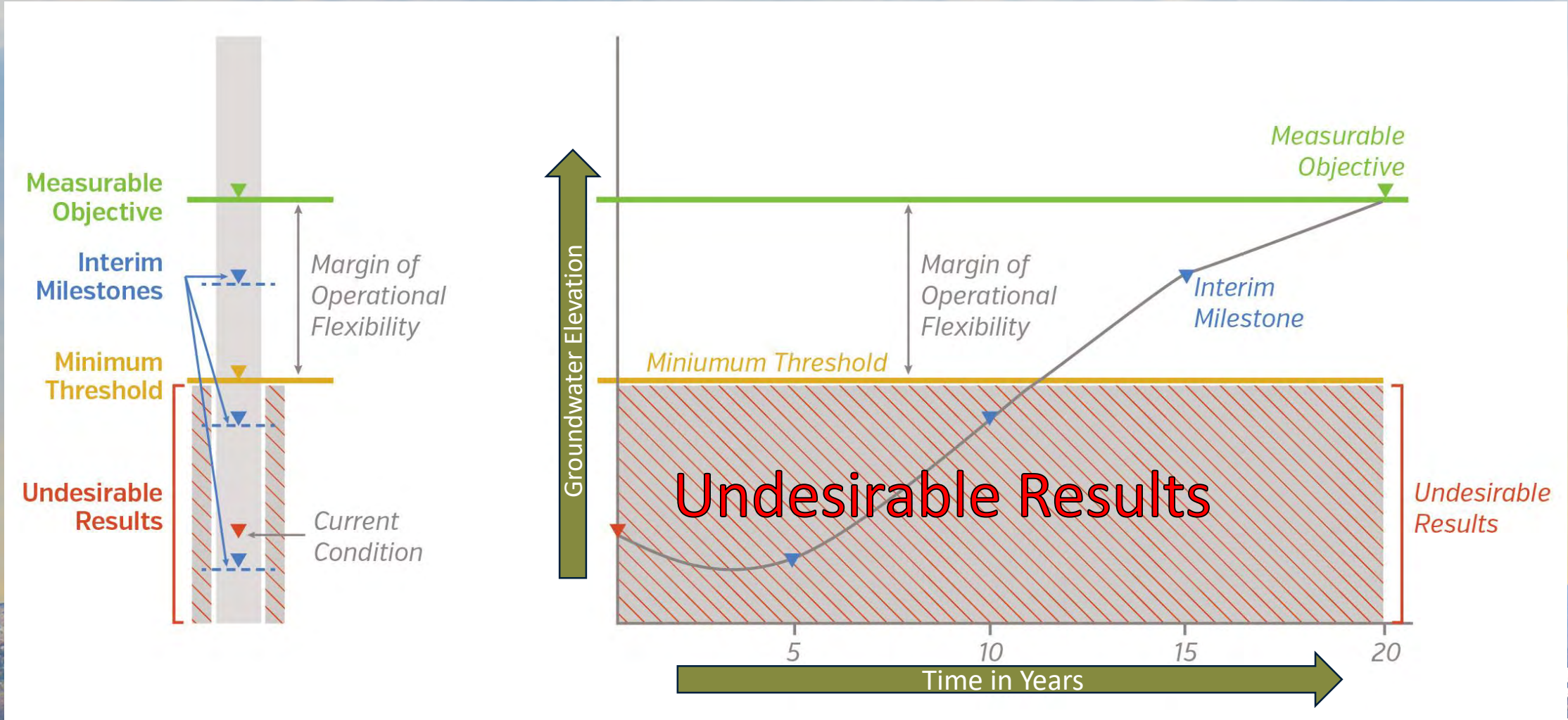




# Schedule for Thresholds Discussion

- Tech Forum – Oct 23
  - SAC – Nov 1
  - Board – Nov 7
  - Tech Forum – Nov 13
  - SAC – Nov 29
  - Board – Dec 3
  - Public Workshop – Dec 3
  - **Board Direction on Sustainability Thresholds – Jan 9**
  - **Release Thresholds GSP Section – Jan 18**
  - SAC – Jan 31
- Input and Discussion
- Initial Recommendations
- Discussion on Draft GSP Section
-

# Sustainability Thresholds Overview





# Minimum Thresholds

- Indicate that above this threshold undesirable results are not occurring
  - The lowest the basin can go at this monitoring point without something significant and unreasonable happening to groundwater
- Are set on the monitoring network at each monitoring point
- Set by using a rationale to reach a quantitative threshold
- The rationale must explain why that minimum threshold prevents undesirable results
- 3 example rationales to be shown today

# Measurable Objectives (MOs) Overview

- MOs use the same ‘metrics’ as Minimum Thresholds (MTs)
  - ‘metrics’ are the thing being measured, like groundwater elevation, EC, subsidence in inches
  - Set by using a rationale to reach a quantitative threshold
- MOs are quantitative goals that are set to create a useful Margin of Operational Flexibility (MoOF).
- The MoOF is an amount of groundwater above the MT that should accommodate droughts, climate change, conjunctive use operations, or GSP implementation activities.
- The MoOF should be used to provide a buffer in groundwater levels so that the basin can be managed without reaching minimum thresholds during drought periods



# Example Rationales for Minimum Thresholds:

## ■ Rationale 1 – Jan 1, 2015

- Prevents undesirable results that occurred after January 1, 2015. Based on SGMA legislation – *“The plan may, but is not required to, address undesirable results that occurred before, and have not been corrected by, January 1, 2015.”*

## ■ Rationale 2 - % of range of measurements

- Prevents undesirable results in areas with shallow groundwater conditions by estimating the depth at which undesirable results would occur based on the range of measurements at the monitoring well.

## ■ Rationale 3 – Nearby wells

- Prevents undesirable results by comparing nearby well infrastructure to groundwater levels in the monitoring well, intended to prevent de-watering of nearby wells.

# Example Rationales for Measurable Objectives

- Rationale 1 – 5 years of supply storage
  - Selected by identifying levels from 5 years before the minimum threshold
  - Used on monitoring wells with over 5 years of historic record
- Rationale 2 – Historic average of levels
  - Selected by calculating the mean of measurements
  - Used on monitoring wells without 5 years of historic record



# Measurable Objectives (MOs) & Minimum Thresholds (MTs) Overview

## 1. Rationale 1 - Jan 1, 2015

- **MT=** Jan 1, 2015 -- or closest measurement in 2015
- **MO=** 5-years previous measurement, or slope of linear trendline to extrapolate

## 2. Rationale 2 - % of range of measurements

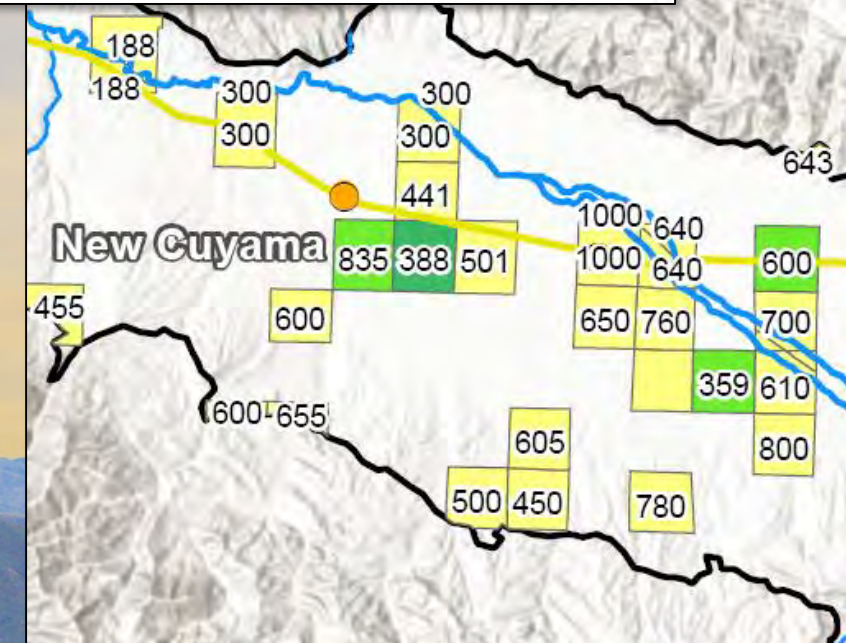
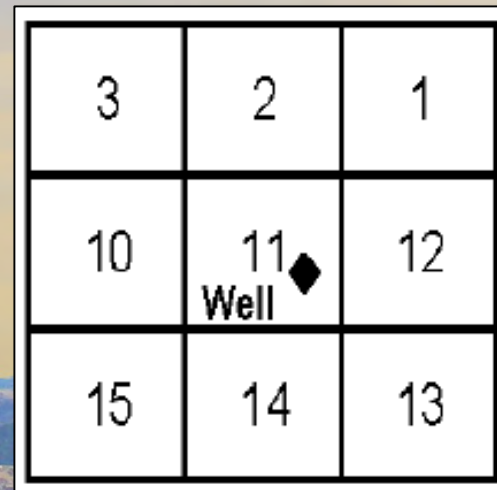
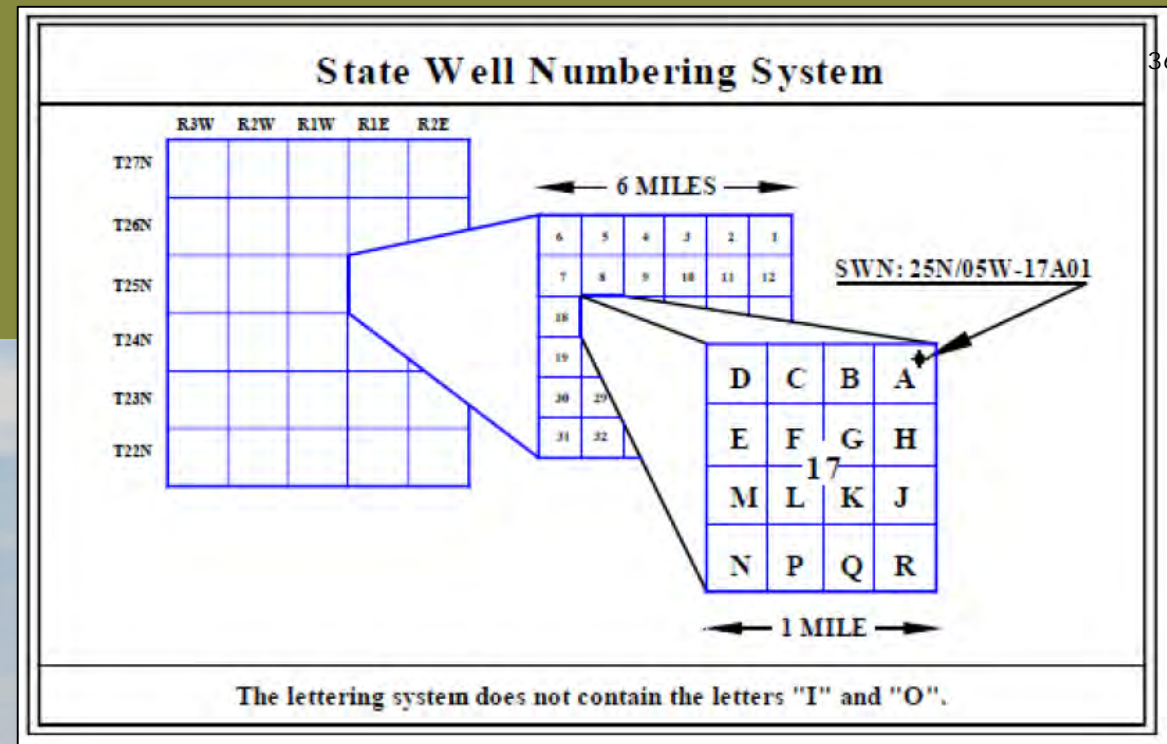
- **MT=** Historical low, lowered by 20% of the range of measurements on the well
- **MO=** 5-years above historical low lowered by 20% of the range of measurements on the well (uses same extrapolation in Strategy 1 if needed)

## 3. Rationale 3 - Nearby wells

- **MT=** Shallowest well\* in the 9 Township/Range Sections in and around the monitoring well (~9 sq. mi.), OR historical low of measurements on the monitoring well, whichever is deeper.
- **MO=** Average of all measurements at the well

# “Shallowest Well in Nine Square Miles”

- Well depth information from DWR’s well completion report database
  - Located by State Well Number
  - Township, Range, and Section
- Identify all wells in the database within the nine sections around the monitoring well
- Select the shallowest
- Apply that depth at the monitoring well’s location/elevation
- There are significant limitations in this methodology
  - Topography
  - Data availability



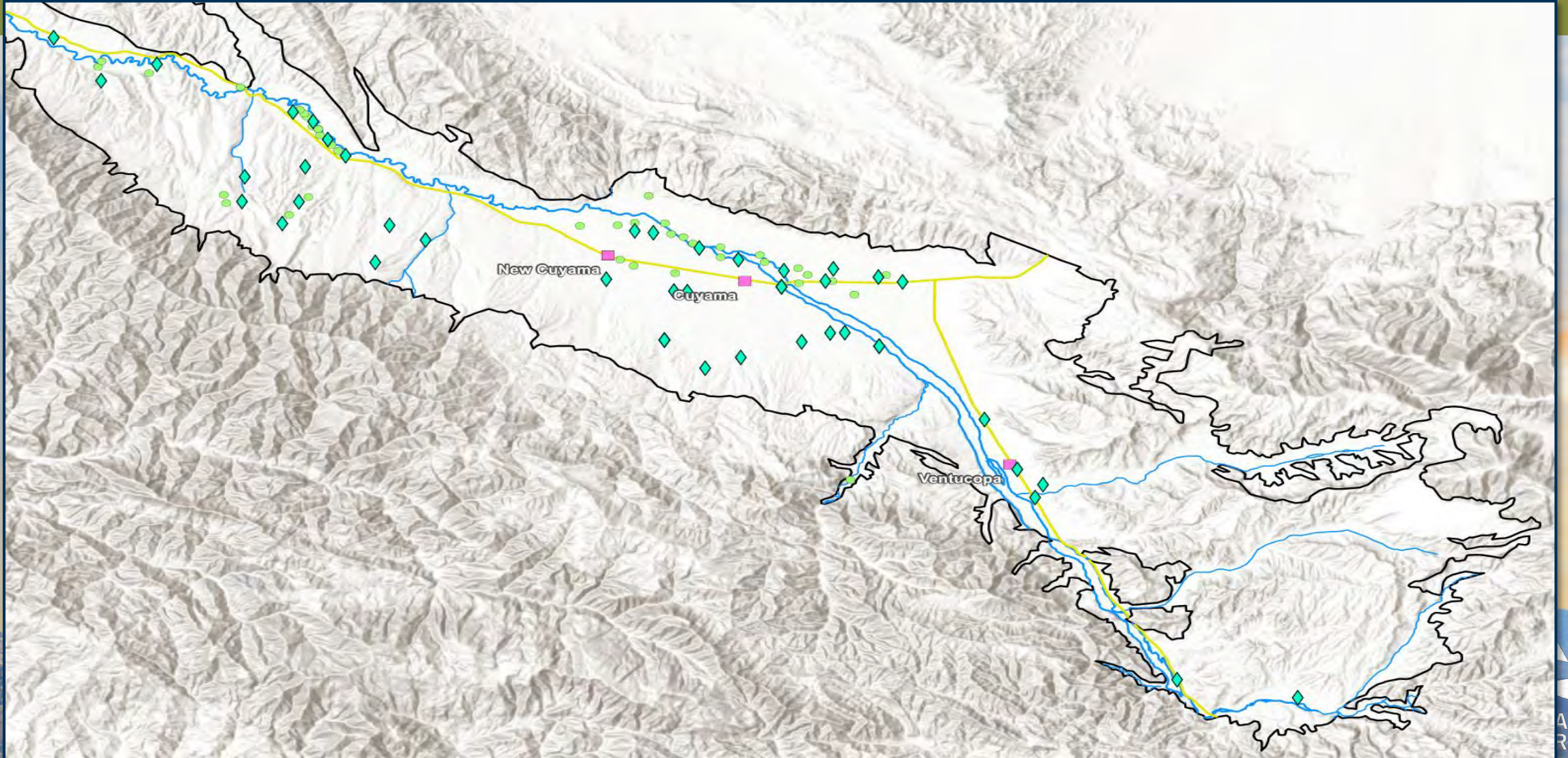


# Where are Minimum Thresholds Applied?

- Minimum Thresholds are only applied to **Representative Wells** within the **Monitoring Network**.
  - Monitoring Network = 88 wells
  - Representative Wells = 49 wells
    - Selected to represent the long term regional trends in the basin
- These are discussed in the Monitoring Networks section of the GSP (released September 21, 2018)



# Representative Wells





# What if Thresholds are Not Met During GSP Implementation?

- GSP regulations and BMPs do not encourage management of discrete portions of the basin as they relate to individual monitoring wells
- For each individual monitoring well:
  - When a minimum threshold is unexpectedly reached, the GSA should investigate why, and evaluate whether the threshold is reasonable or not, given current conditions compared to conditions when the GSP was adopted.
  - Will be discussed in Management Actions Section of GSP
- As thresholds relate to the entire basin:
  - The Undesirable Result is considered to occur during GSP if **XX**% of representative monitoring wells (**XX** of 49) fail to meet minimum groundwater elevation thresholds.

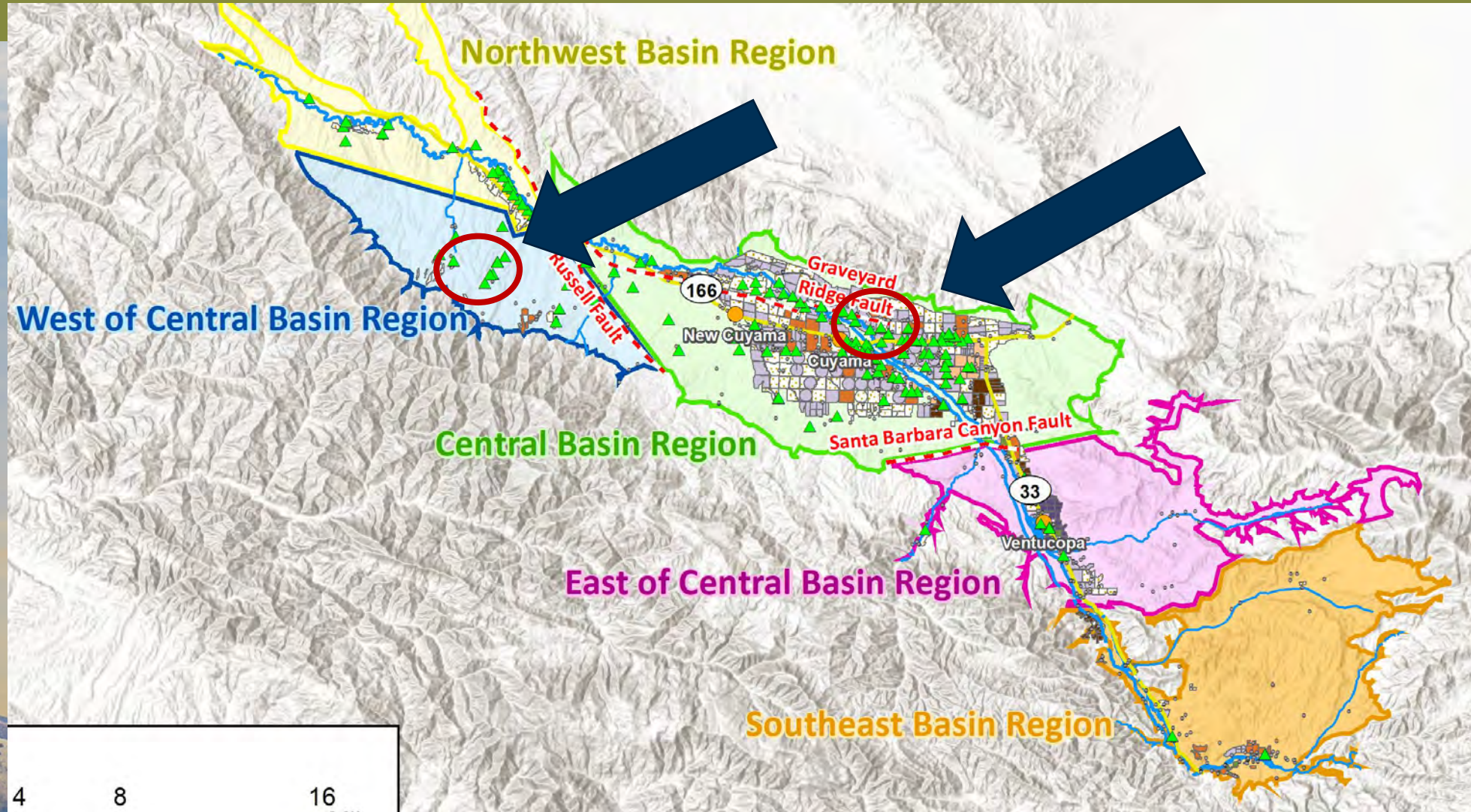
This is when Regulators like SWRCB can get involved

# Measurable Objectives (MOs) & Minimum Thresholds (MTs) Overview

- Thresholds in the 2020 Cuyama GSP are a \*Starting Point\* to identify what is sustainable in the basin
- Initial strategies presented today are intended to introduce the concepts, and will be further refined.
- No single rationale or method works across the entire basin
- Limited periods of record in monitoring in some wells cause uncertainty in defining thresholds and will require updates as more data is collected over time
- Thresholds will be updated in GSP update in 2025



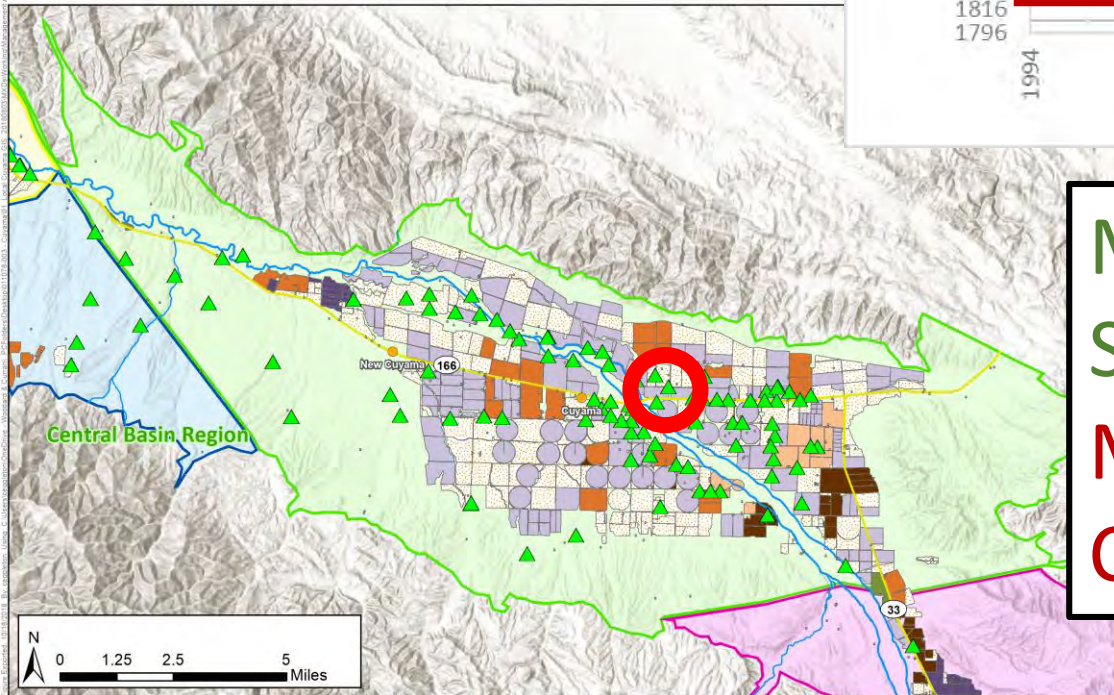
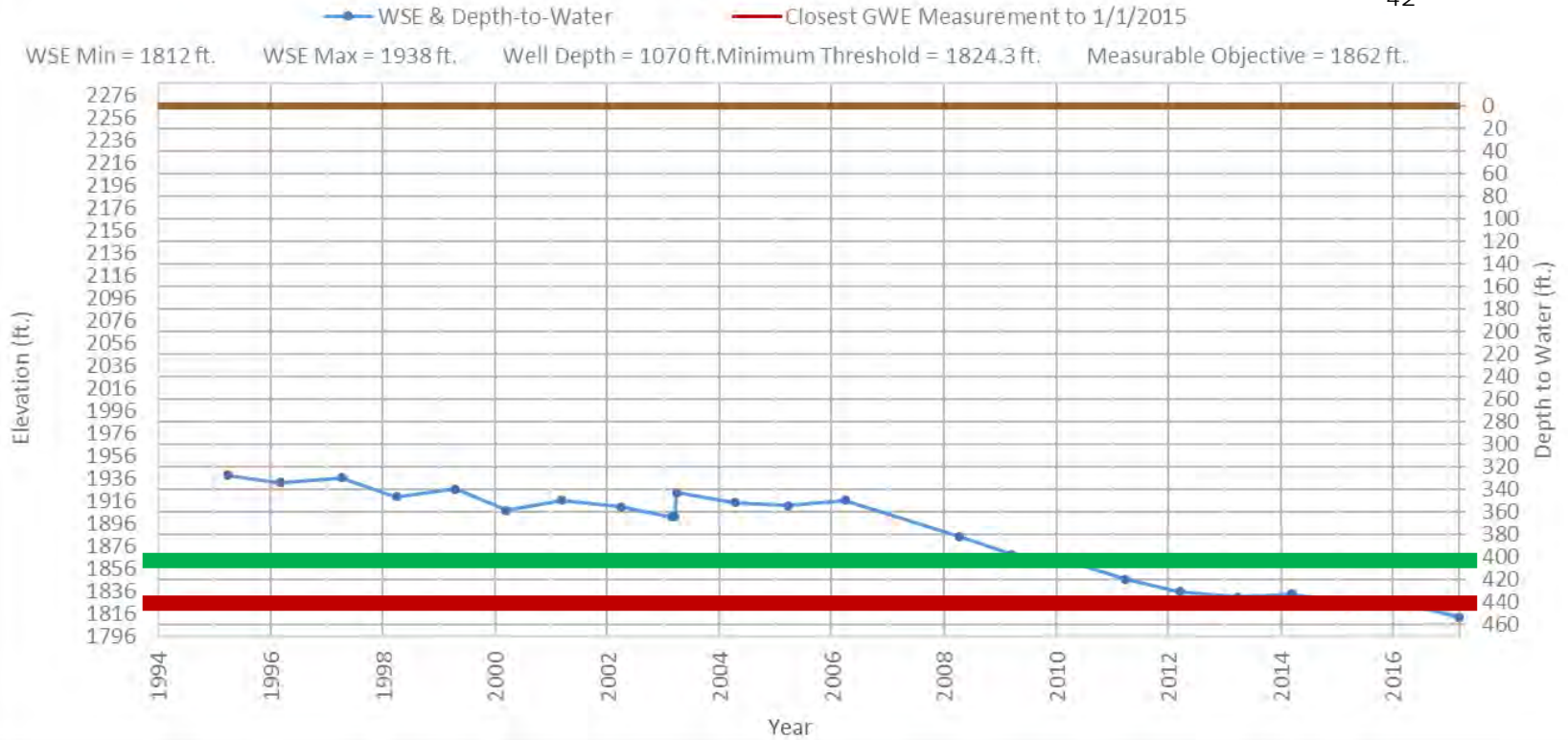
# Location Guide





# Strategy 1

### OPTI Well 612 Hydrograph



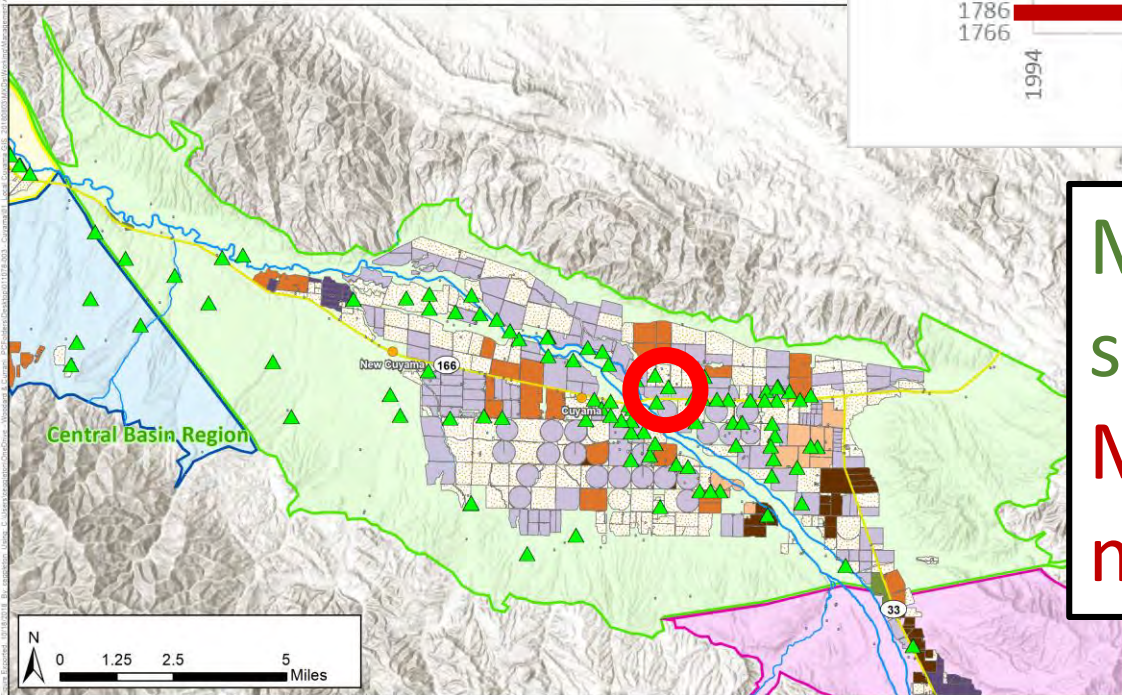
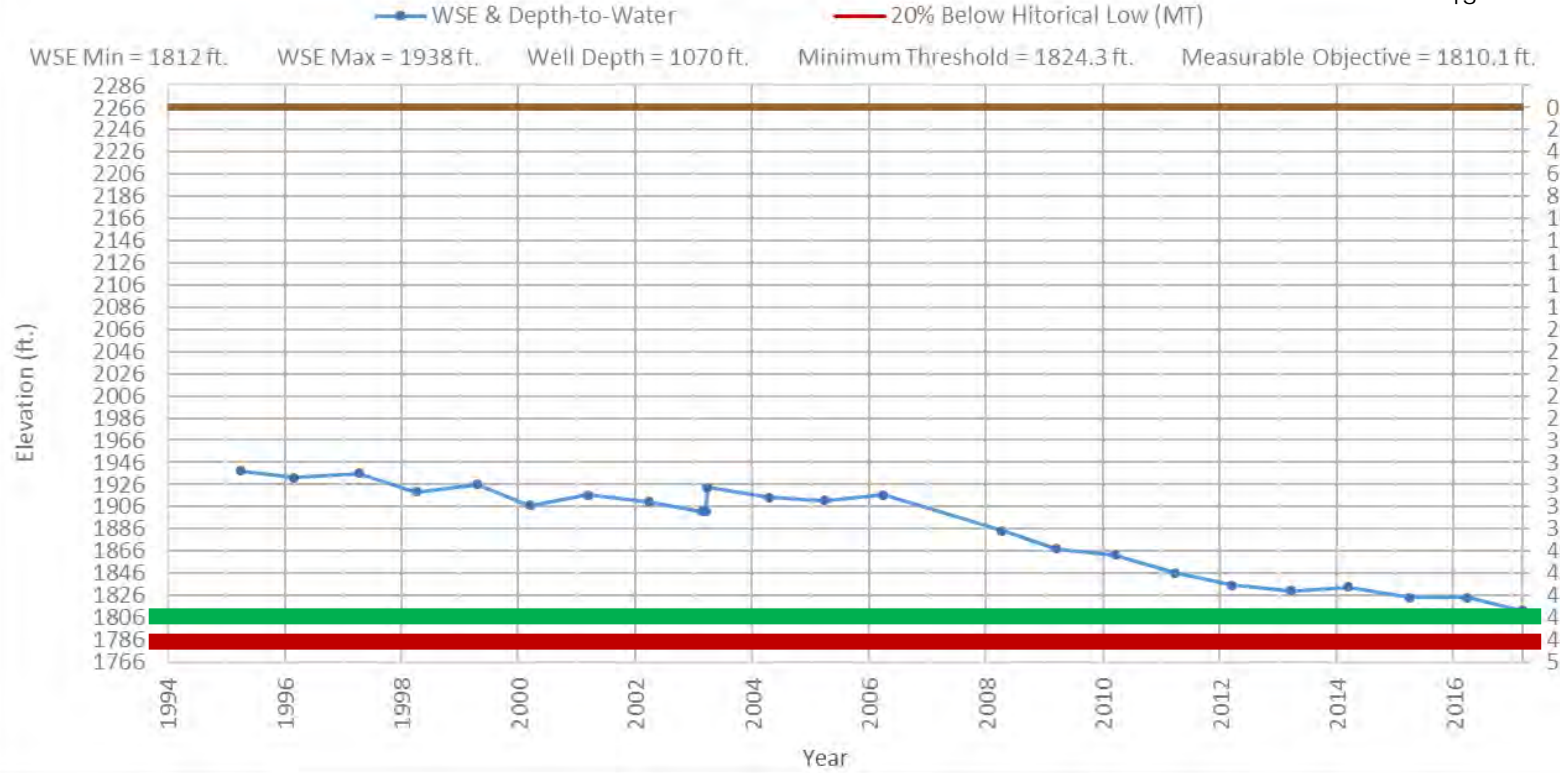
Measurable Objective – 5-years of Storage

Minimum Threshold – Measurement Closest to (but after) January 1, 2015



# Strategy 2

### OPTI Well 612 Hydrograph



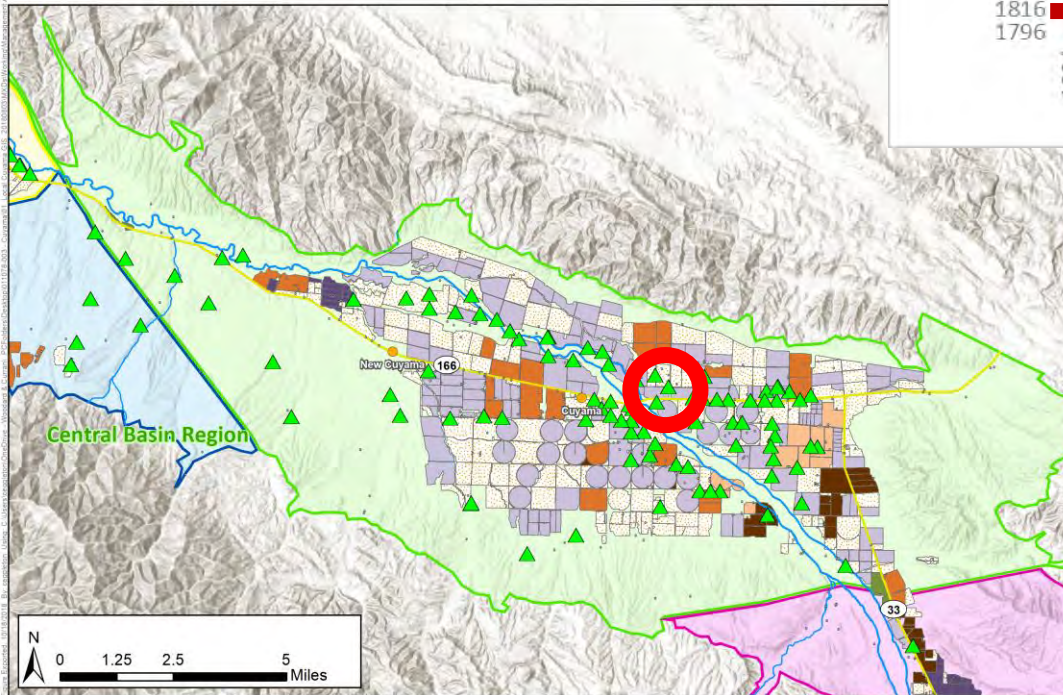
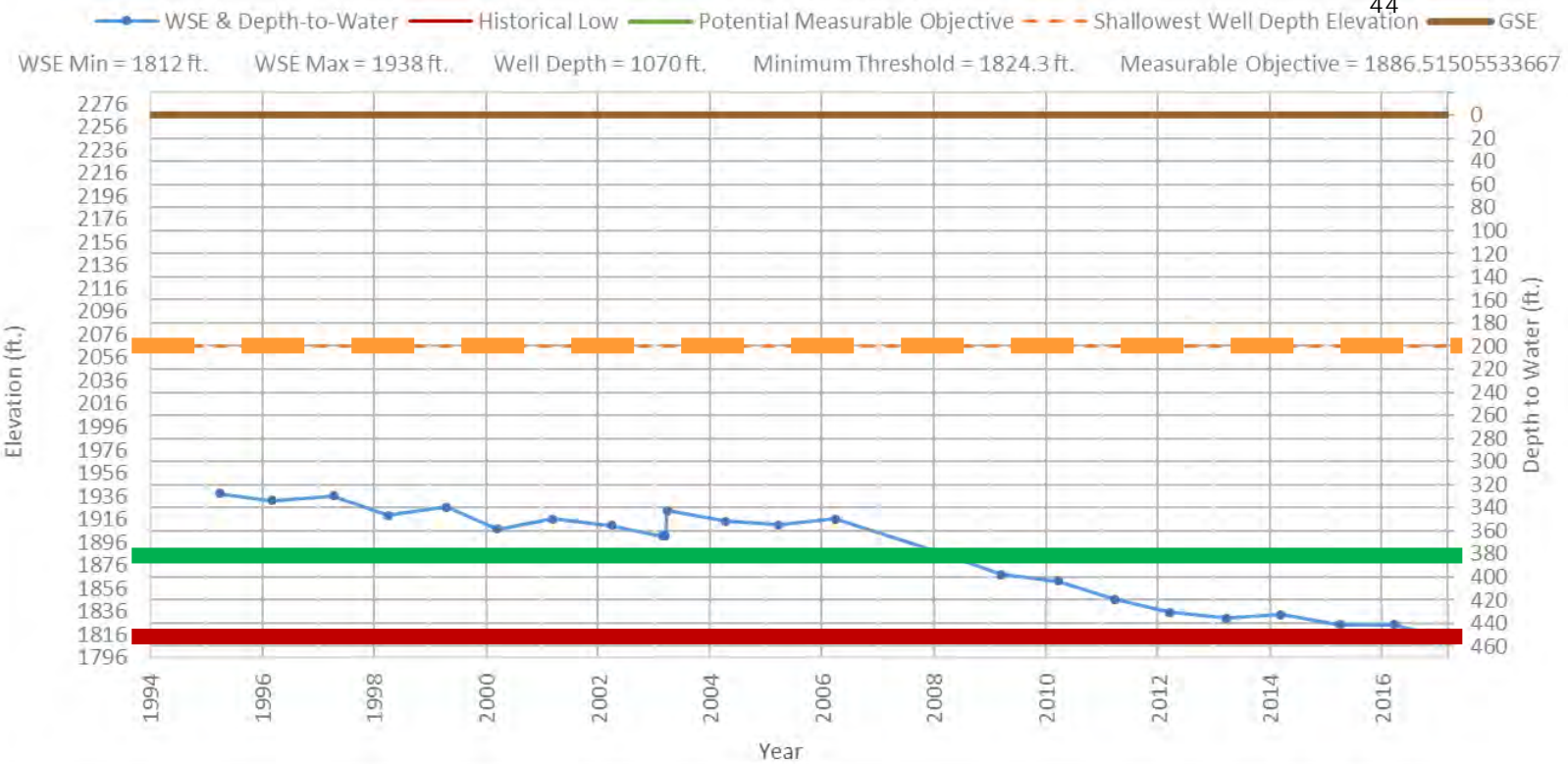
Measurable Objective – 5-years of storage, minus 20% of range

Minimum Threshold – Historical low, minus 20% of range



# Strategy 3

### OPTI Well 612 Hydrograph



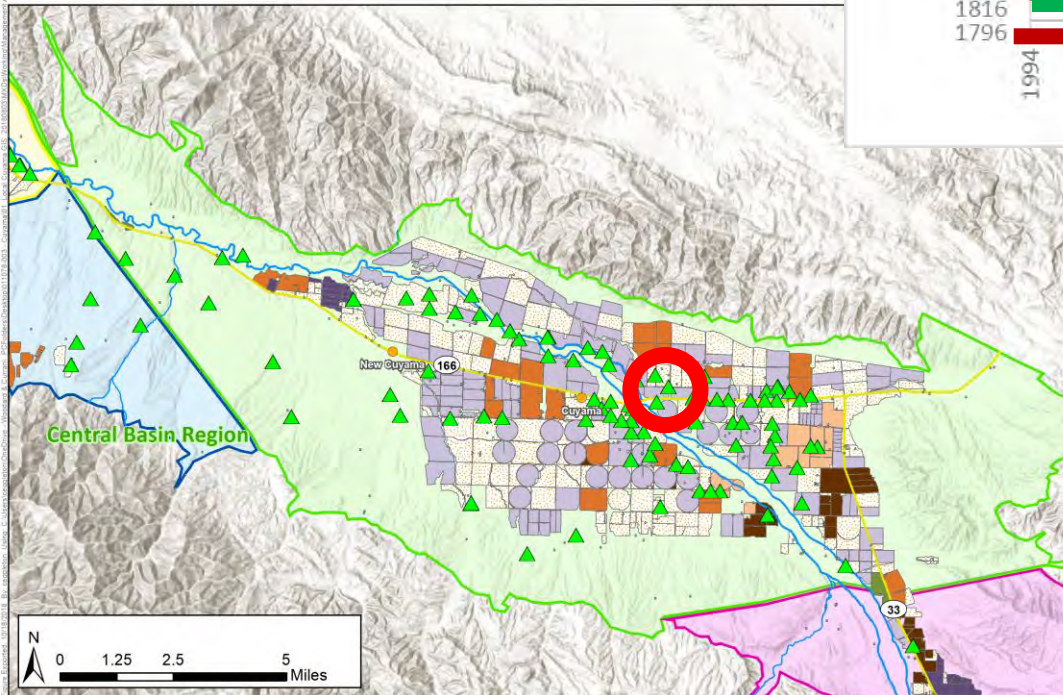
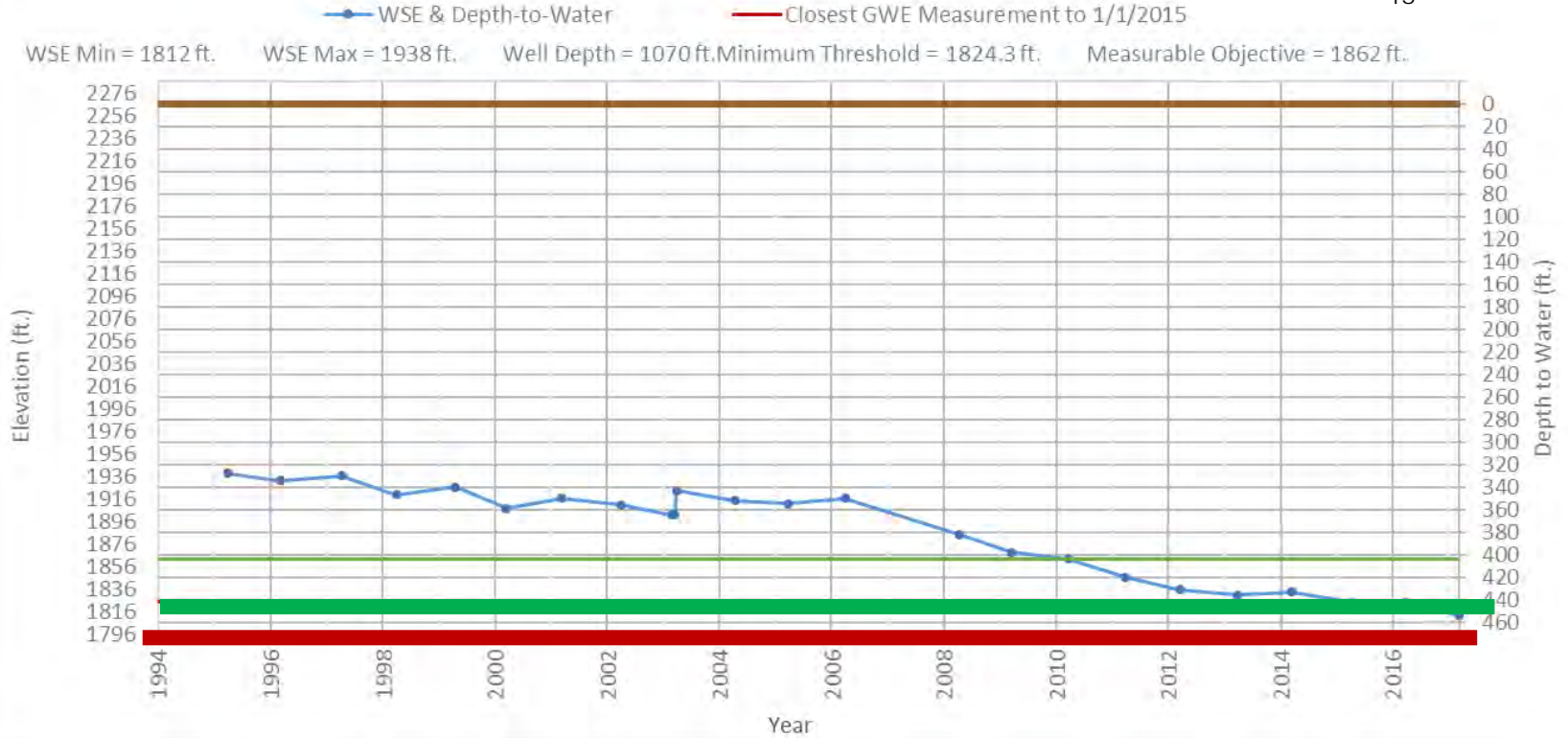
Measurable Objective – Average of all measurements

Minimum Threshold – Shallowest nearby well OR historical low, whichever is deeper



# Strategy 4

### OPTI Well 612 Hydrograph



Measurable Objective –  
Measurement Closest to (but after)  
January 1, 2015

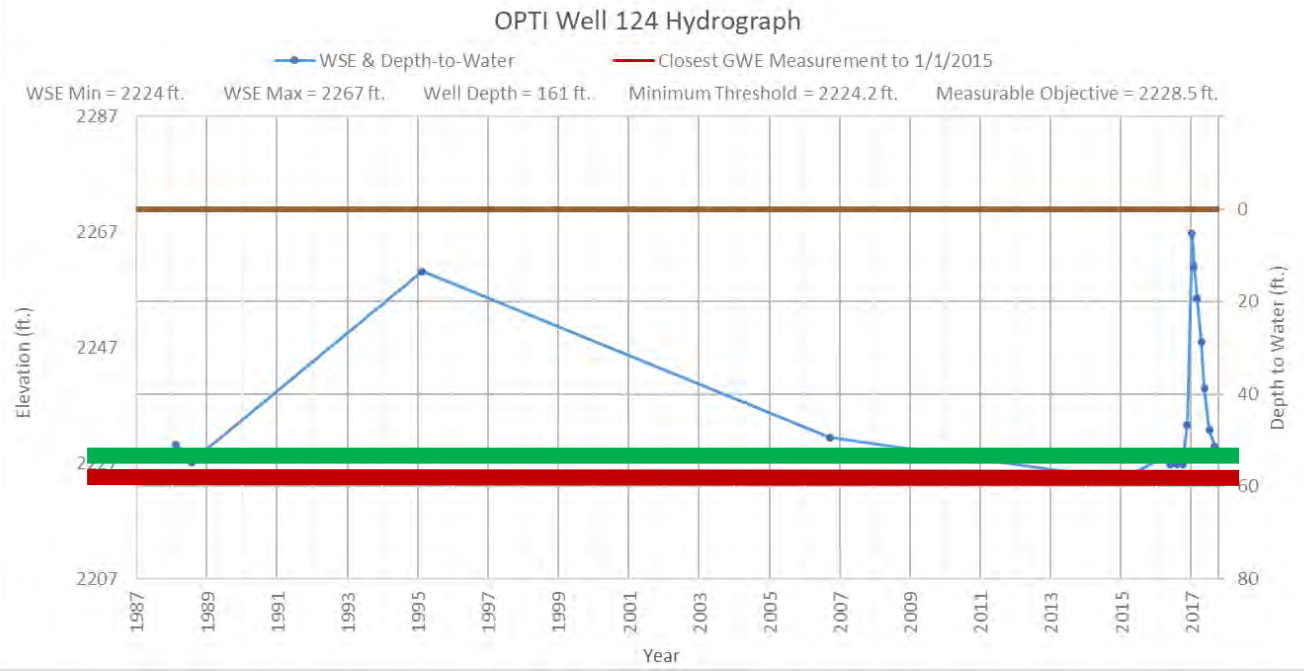
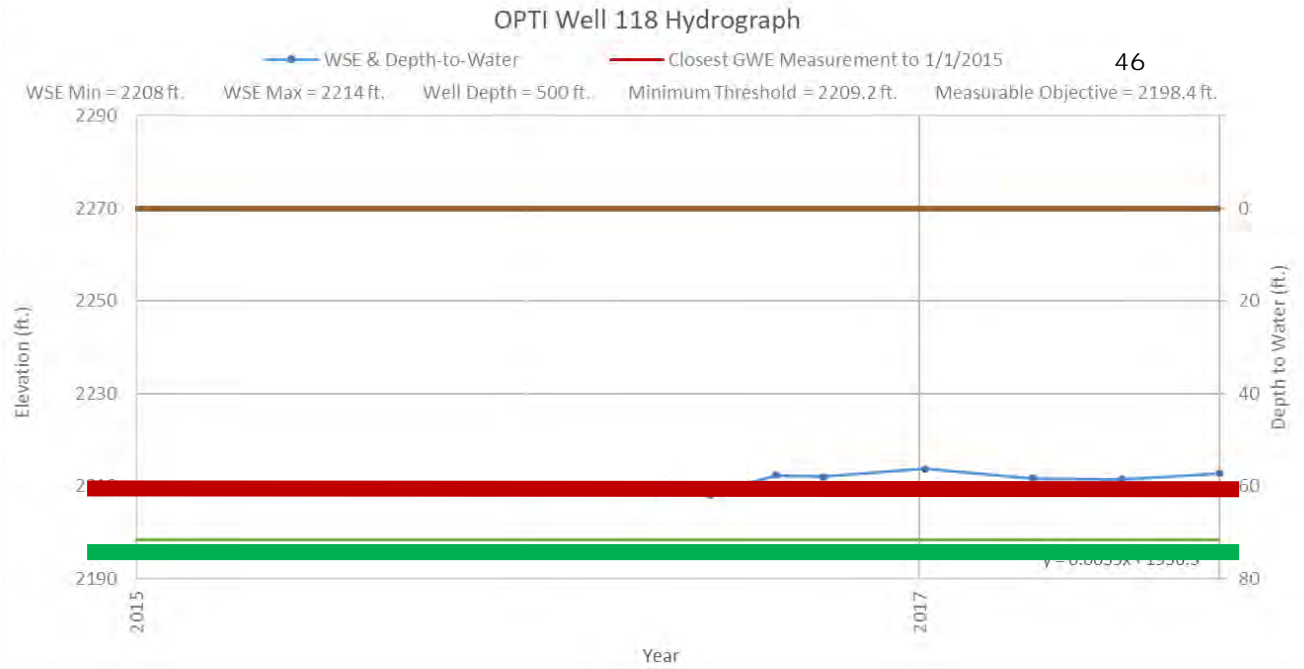
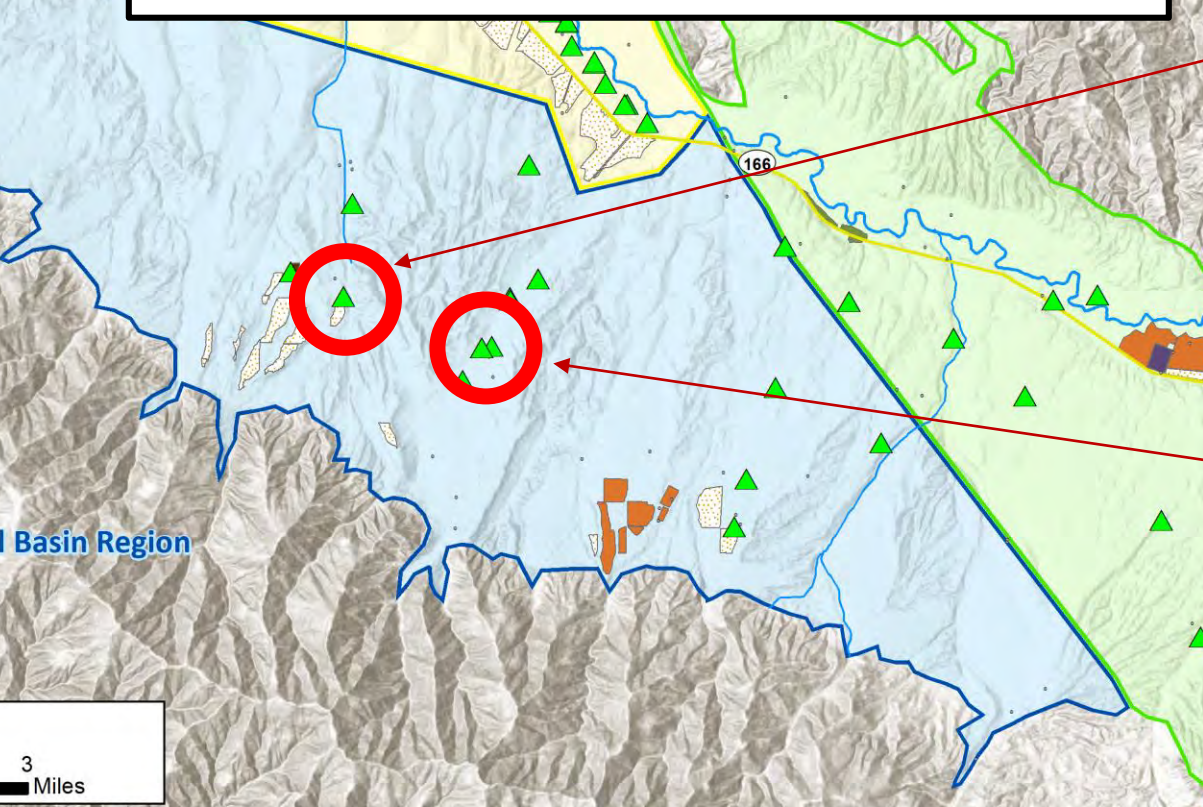
Minimum Threshold – 5 years of  
storage below Jan 1, 2015



# Strategy 1

Measurable Objective – 5-years of Storage

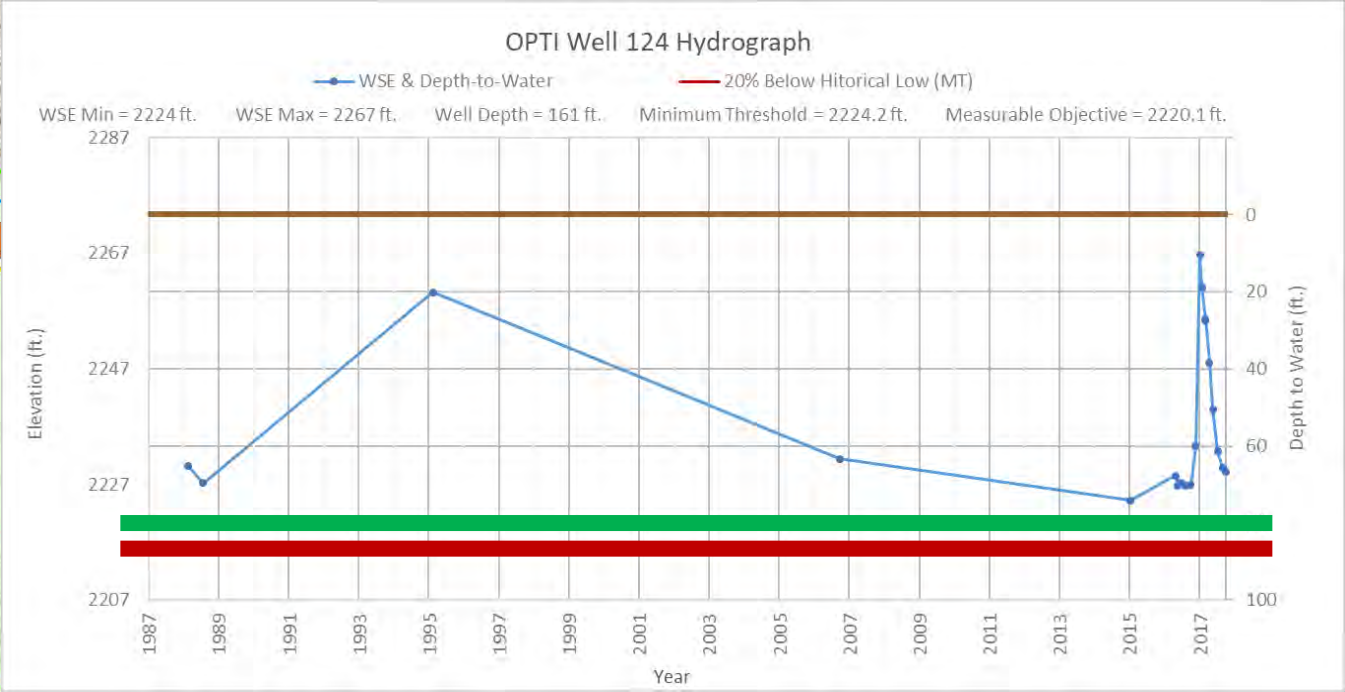
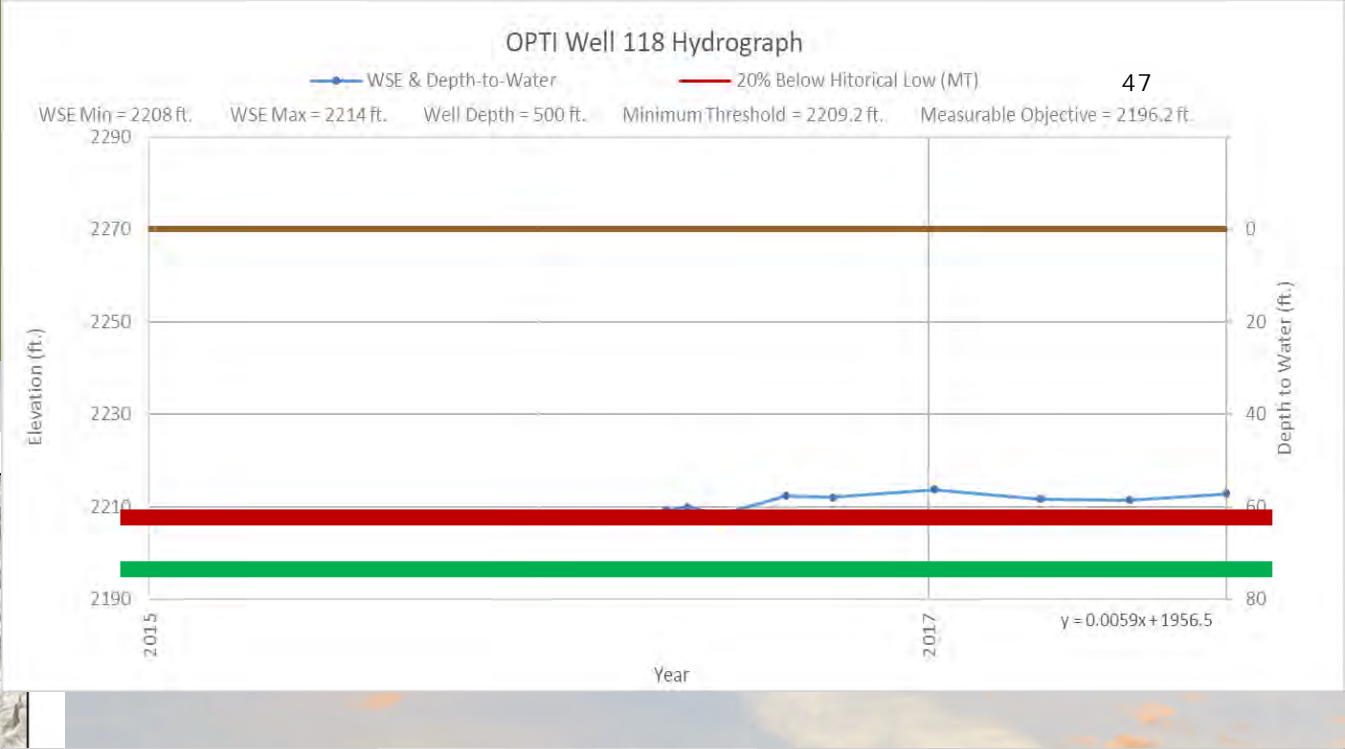
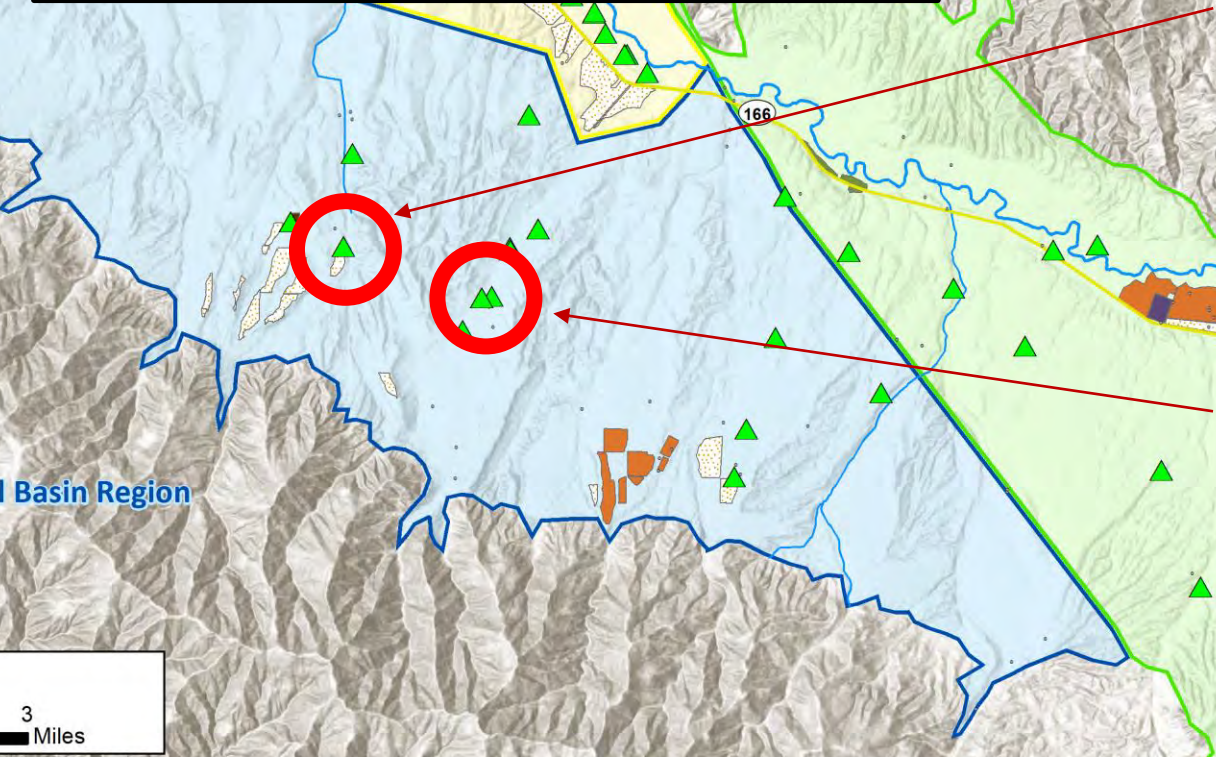
Minimum Threshold – Measurement Closest to (but after) January 1, 2015





# Strategy 2

Measurable Objective – 5-years of storage, minus 20% of range  
 Minimum Threshold – Historical low, minus 20% of range

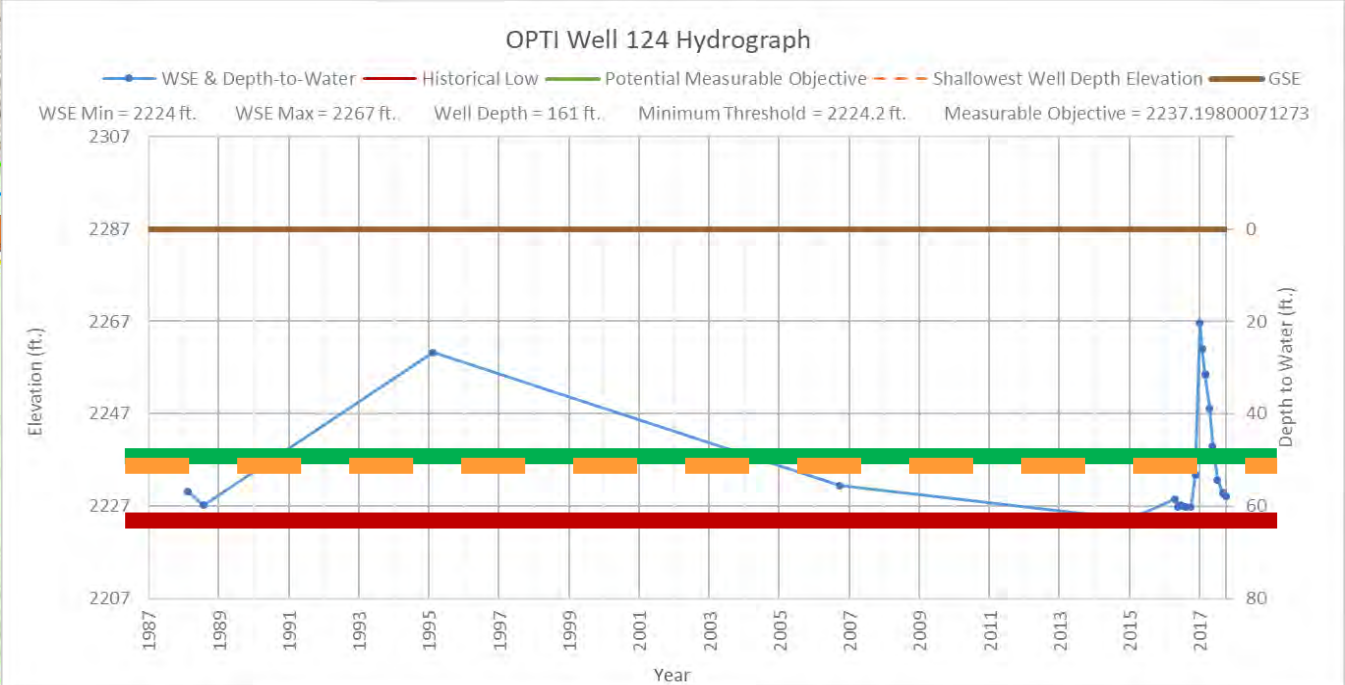
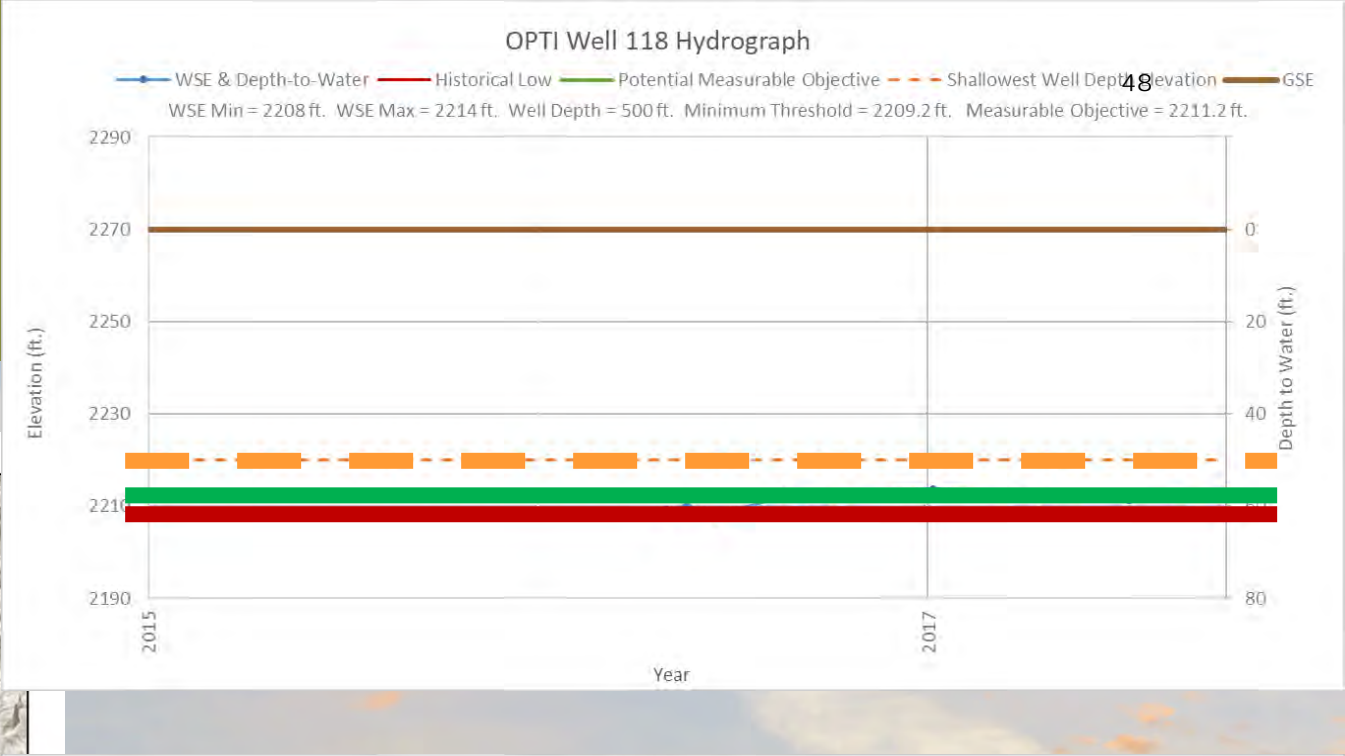
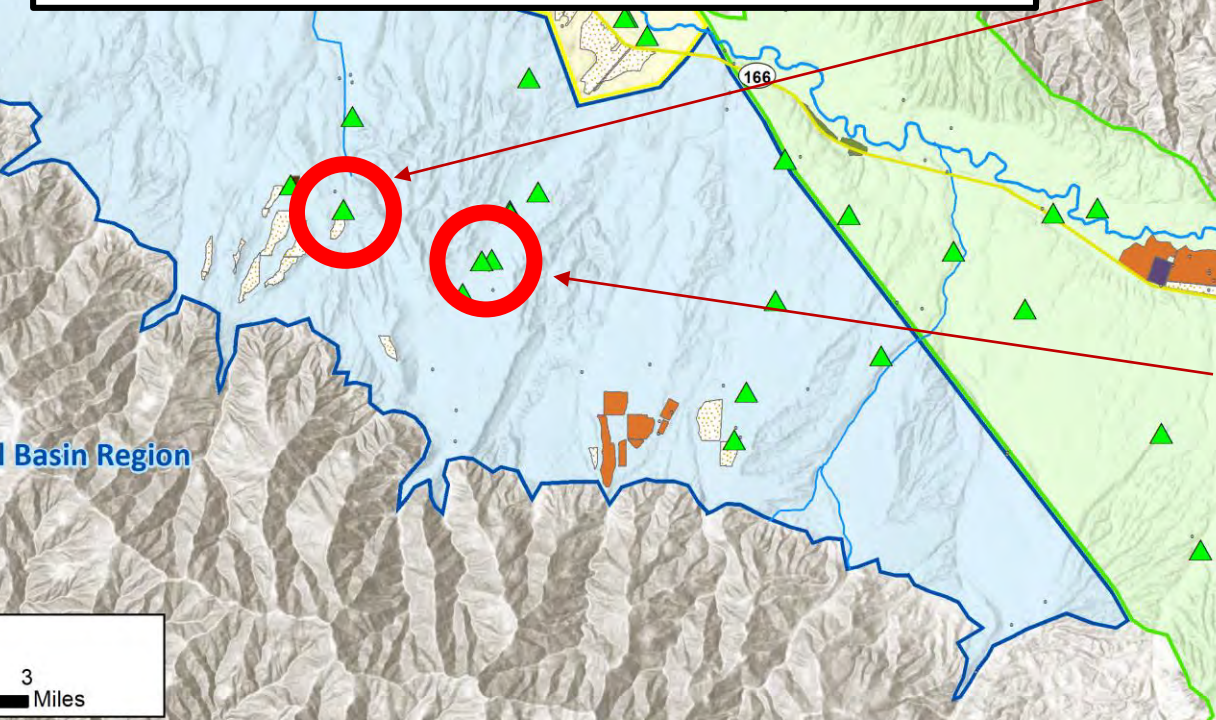




# Strategy 3

Measurable Objective – Average of all measurements

Minimum Threshold – Shallowest nearby well OR historical low, whichever is deeper

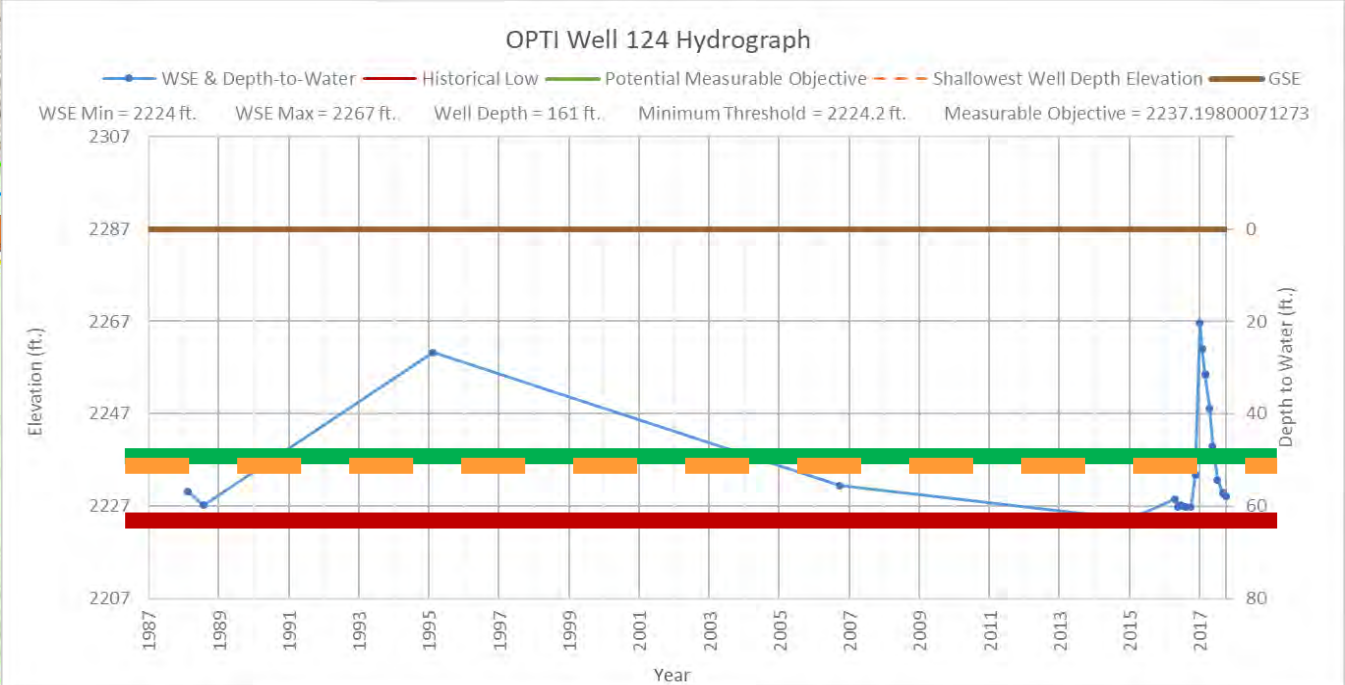
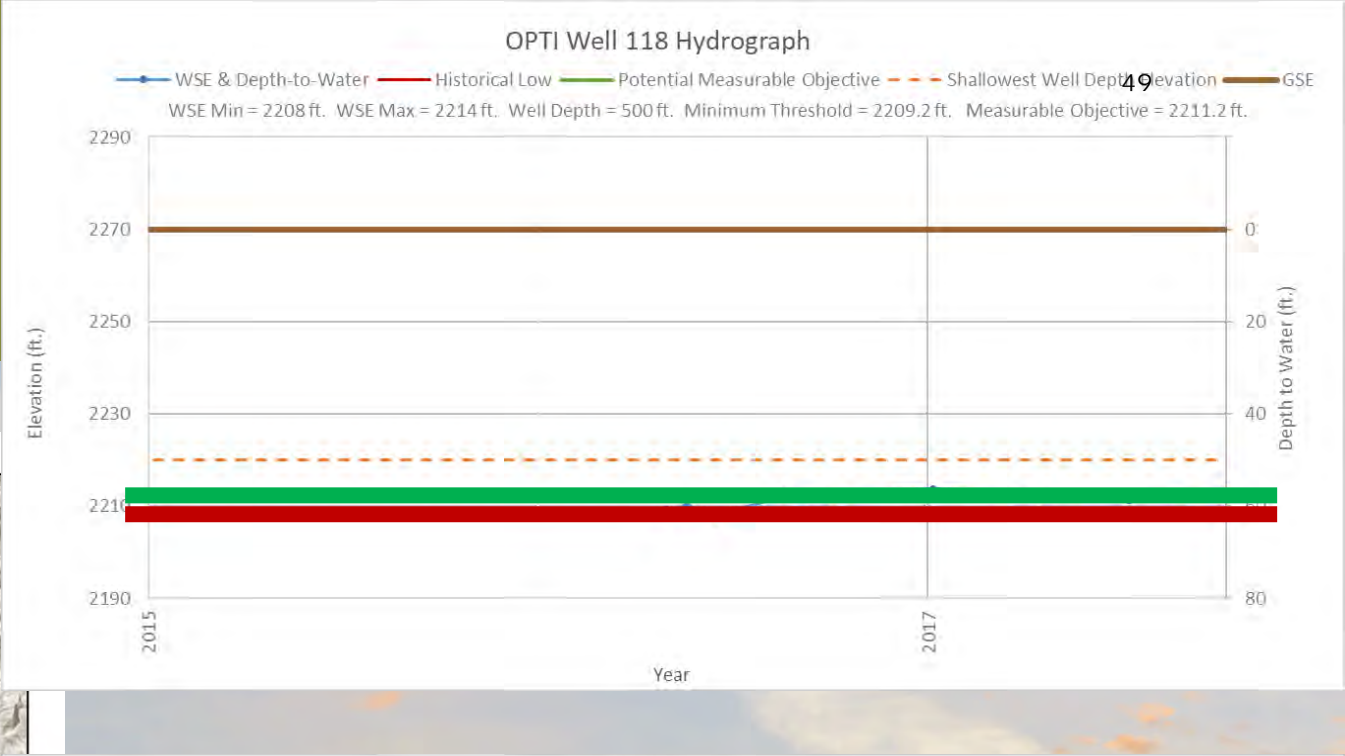
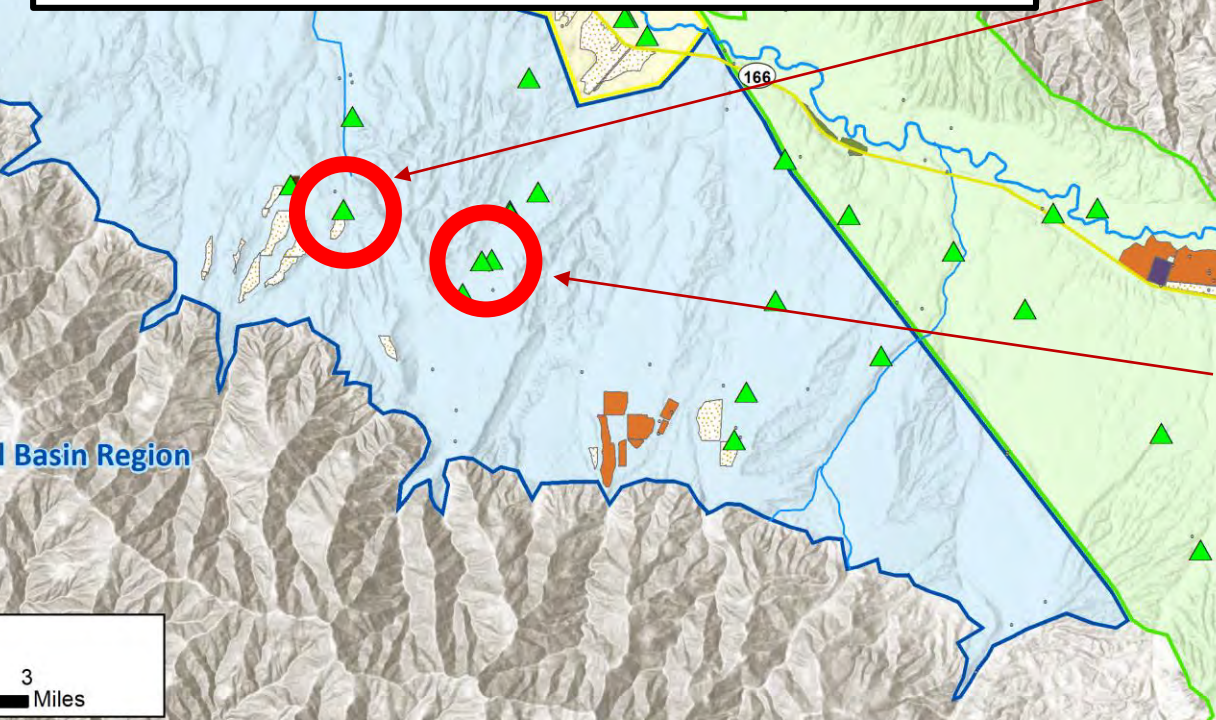




# Strategy 3

Measurable Objective – Average of all measurements

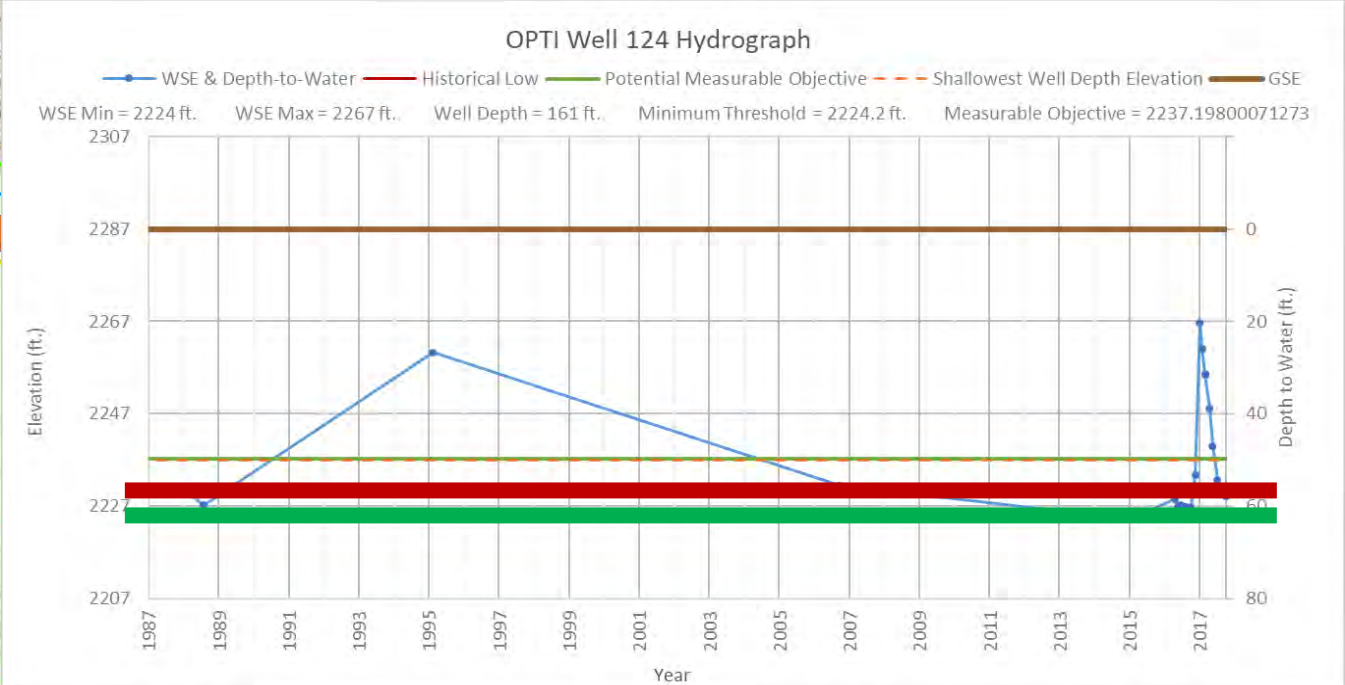
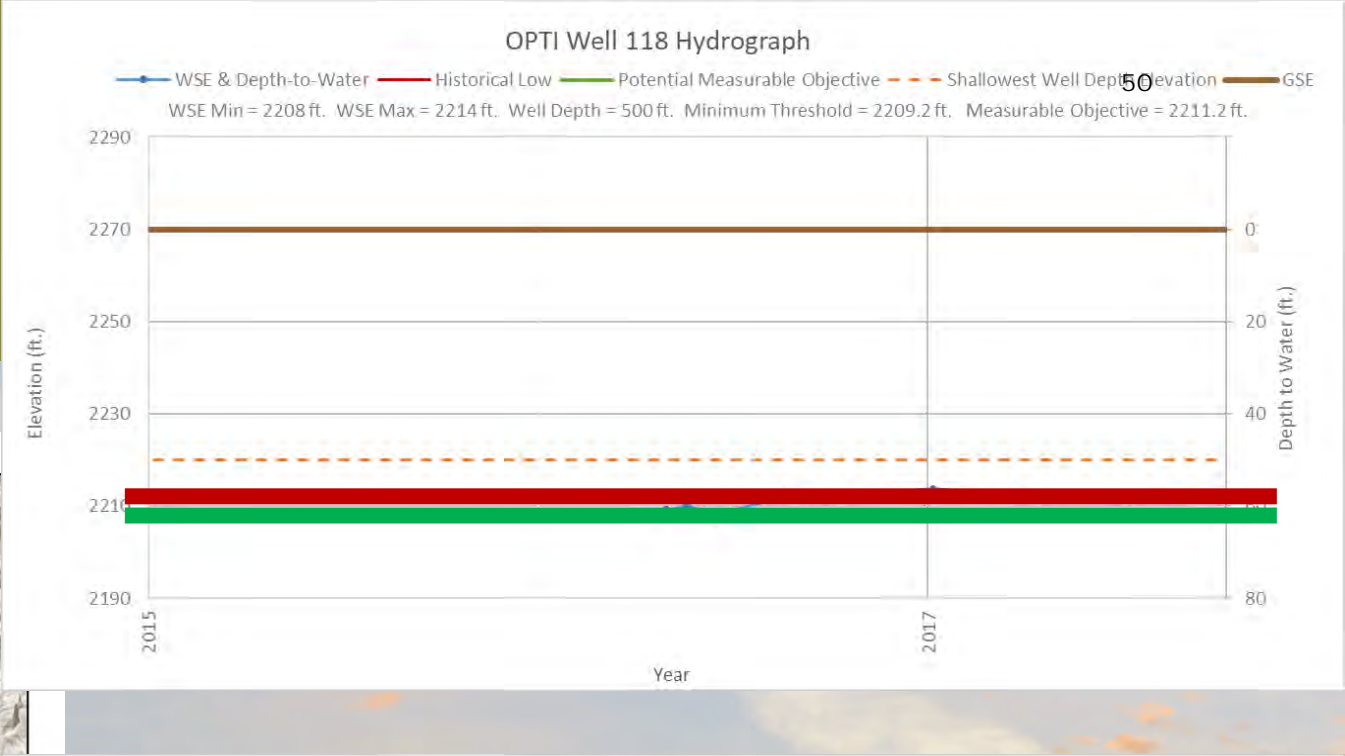
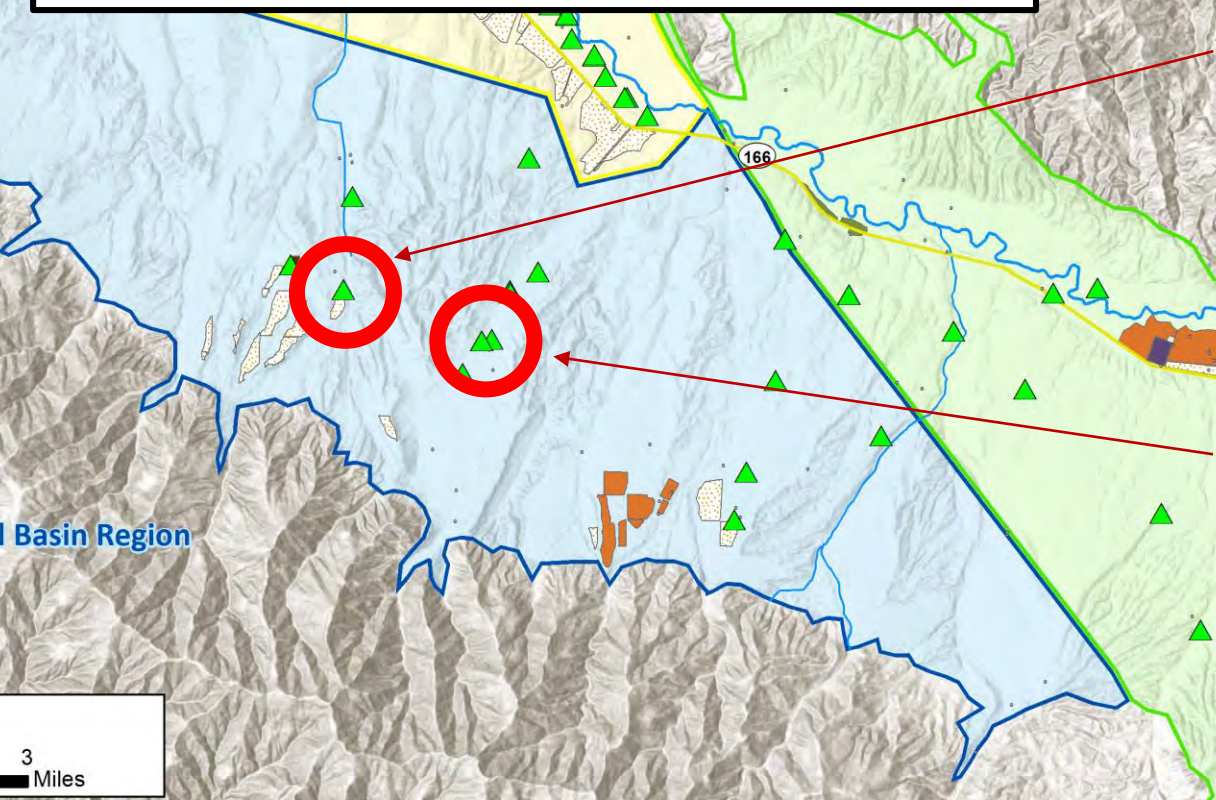
Minimum Threshold – Shallowest nearby well OR historical low, whichever is deeper





# Strategy 4

Measurable Objective – January 1, 2015 (not measured)  
 Minimum Threshold – 5 years of storage above January 1, 2015





# Thresholds and Next Steps

- Review and Consideration by Tech Forum, SAC, and Board
- Receive comments
- Select recommended rationales
- Prepare sustainability thresholds GSP section
- Public Workshops: December 3<sup>rd</sup>, 2018.



# Cuyama Basin Groundwater Sustainability Agency

## Monitoring Networks Update

November 7, 2018



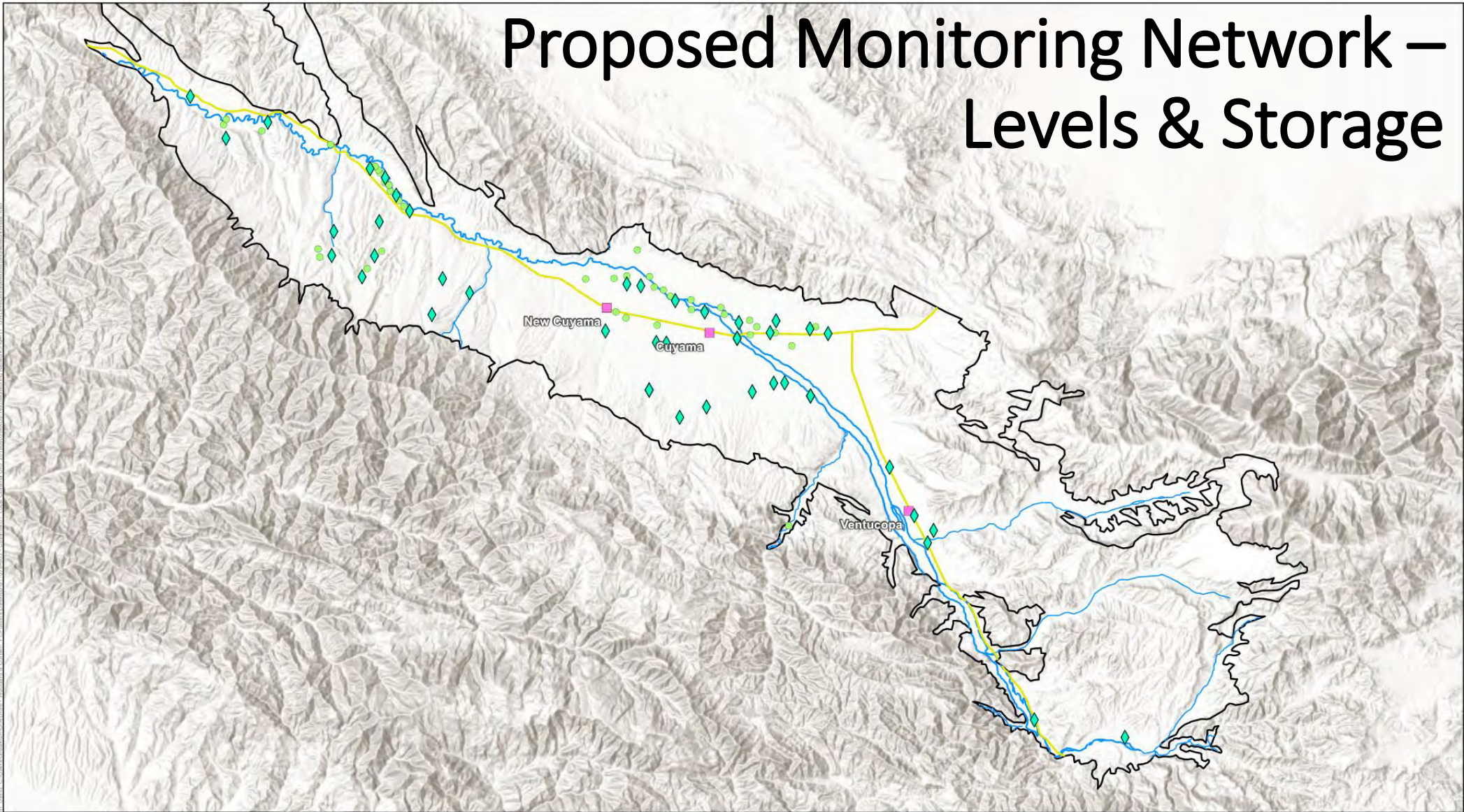


# Monitoring Networks Draft GSP Section

- Draft GSP Section provided to SAC and Board for review as part of Board Packet on September 21<sup>st</sup>
- This section describes the Cuyama Valley Groundwater Basin (Basin) Monitoring Networks for the five sustainability indicators that apply to the Basin.
- Monitoring Networks section includes:
  - Existing monitoring used
  - Groundwater level and storage monitoring network
  - Degraded water quality monitoring network
  - Land subsidence monitoring network
  - Depletions of interconnected surface water monitoring network
- Comments are due on November 9<sup>th</sup>



# Proposed Monitoring Network – Levels & Storage



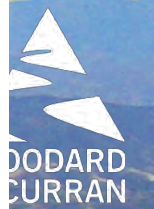
**Figure 4-17: Cuyama GW Basin Groundwater Level & Storage Monitoring Network Wells**  
 Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 September 2018



Legend

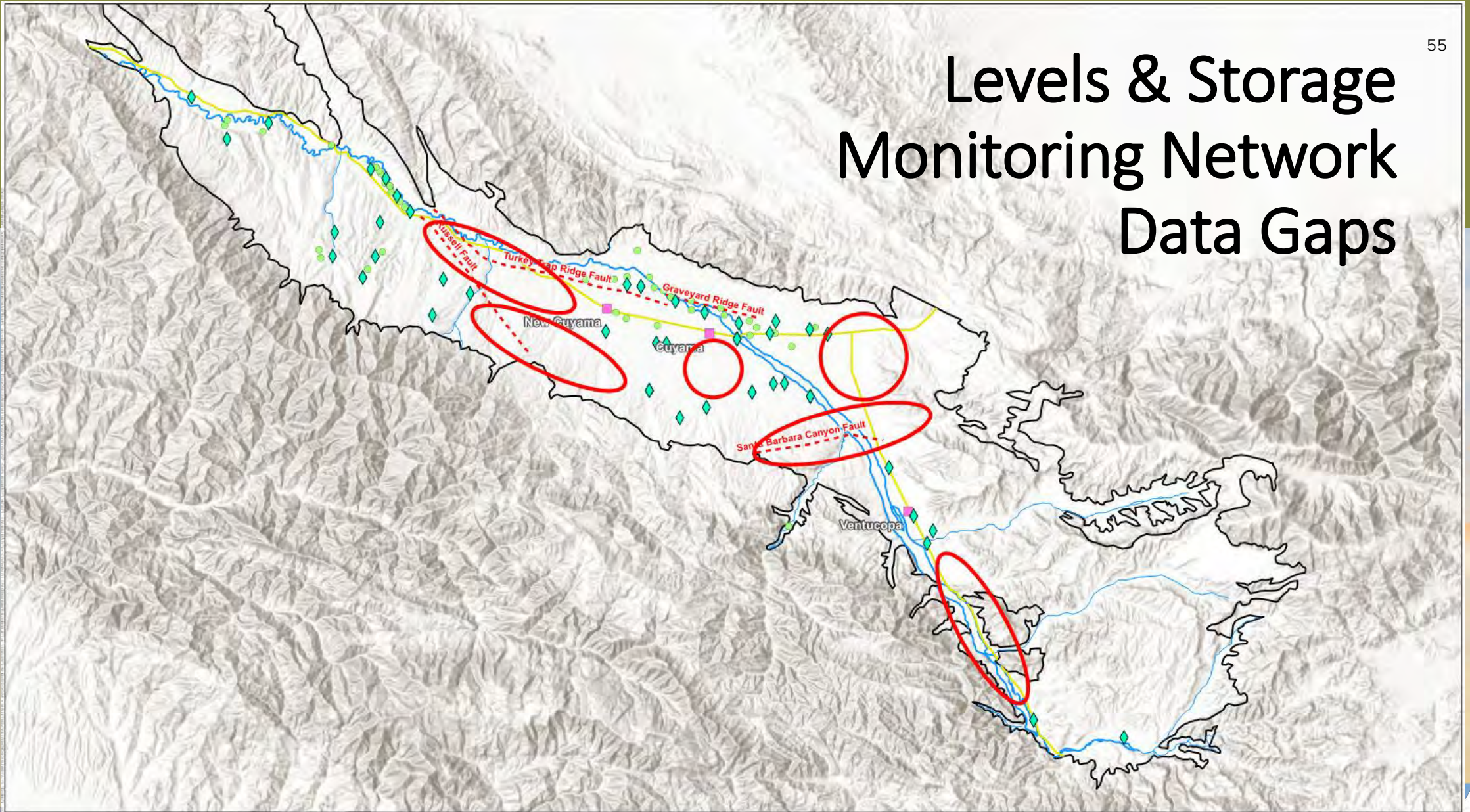
- Cuyama Basin
- Towns
- Highways
- Cuyama River
- Streams

- Monitoring Network Wells**
- ◆ Representative Wells
  - Monitoring Network Wells





# Levels & Storage Monitoring Network Data Gaps



**Figure 4-18: Cuyama GW Basin Groundwater Level & Storage Monitoring Network Data Gaps**

Cuyama Basin Groundwater Sustainability Agency  
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
September 2018



Legend

- Cuyama Basin
- Cuyama River
- Towns
- - - Faults
- Highways
- Streams

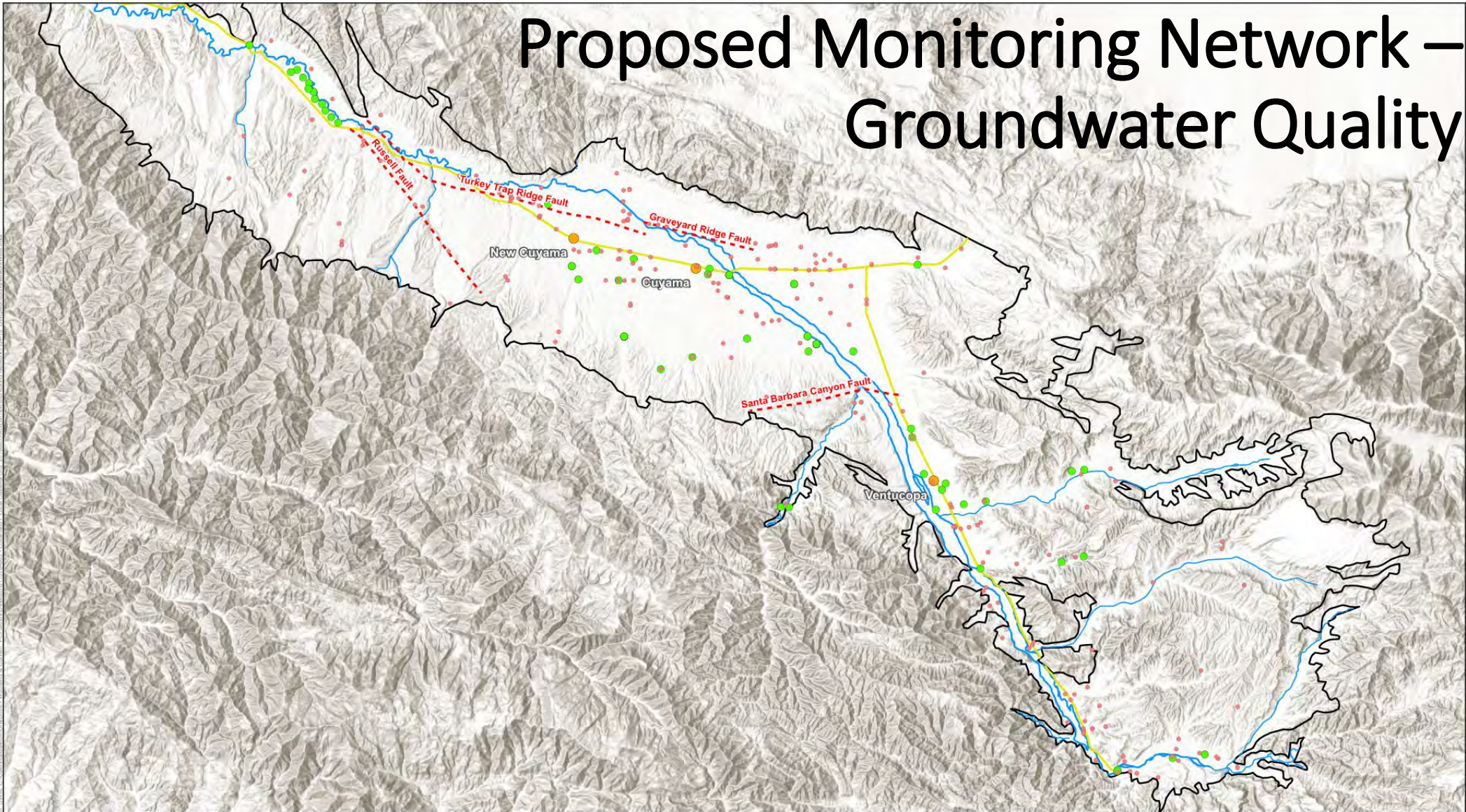
**Monitoring Network Wells**

- ◆ Representative Wells
- Monitoring Network Wells





# Proposed Monitoring Network – Groundwater Quality



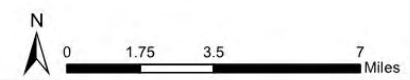
**Figure 4-18: Cuyama GW Basin Groundwater Quality Monitoring Network Wells**  
 Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 September 2018



Legend

- Cuyama Basin
- Towns
- Highways
- Cuyama River
- Streams
- Faults
- Representative Wells and Groundwater Quality Monitoring Network Wells
- Non-Groundwater Quality Monitoring Network Wells

All wells included in the Groundwater Quality Monitoring Network have been measured since 1/1/2008. Wells measured prior to 2008 are not included.





# Groundwater Quality Monitoring Network Data Gaps

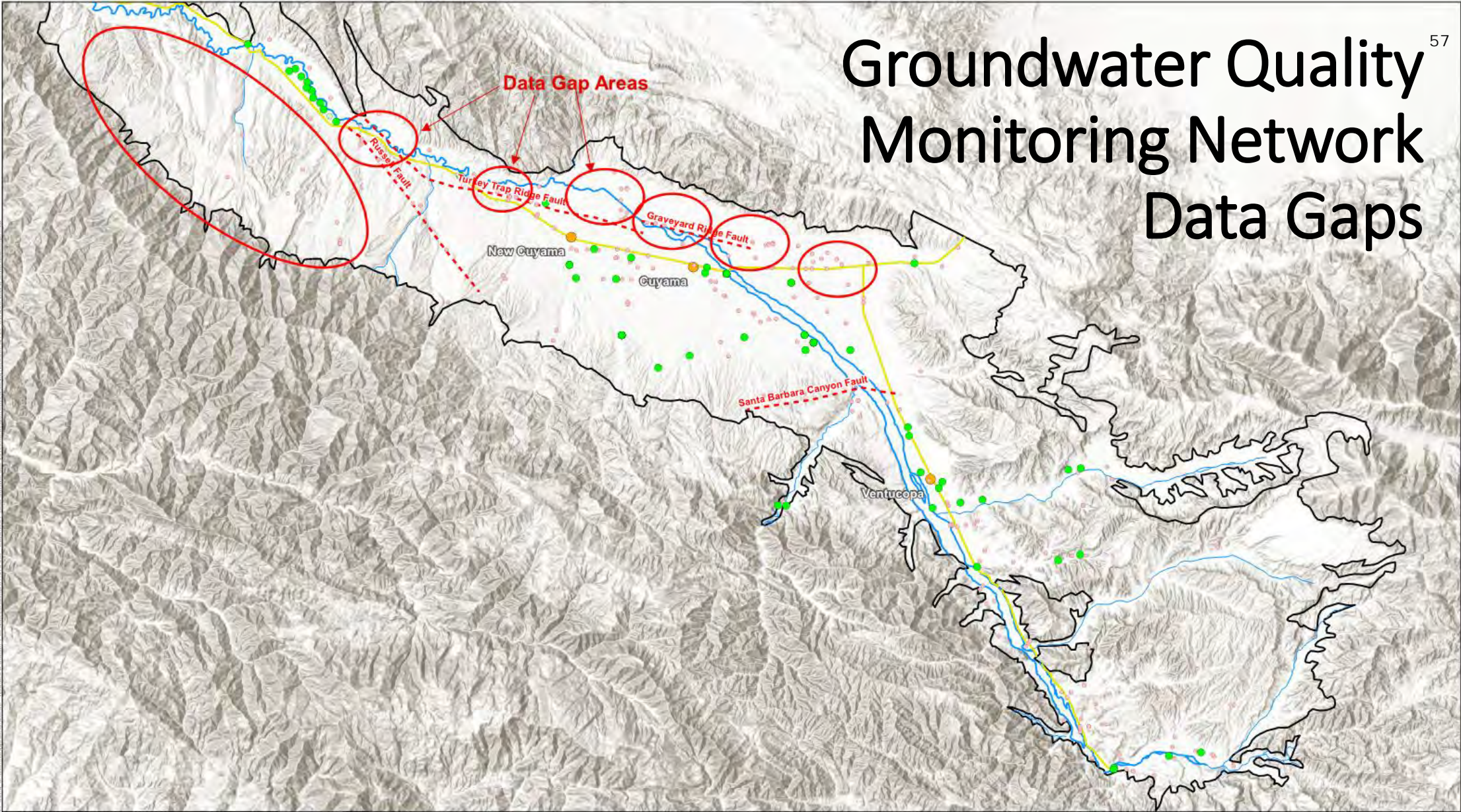


Figure 4-20: Cuyama GW Basin Groundwater Quality Monitoring Network Data Gaps

Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 September 2018



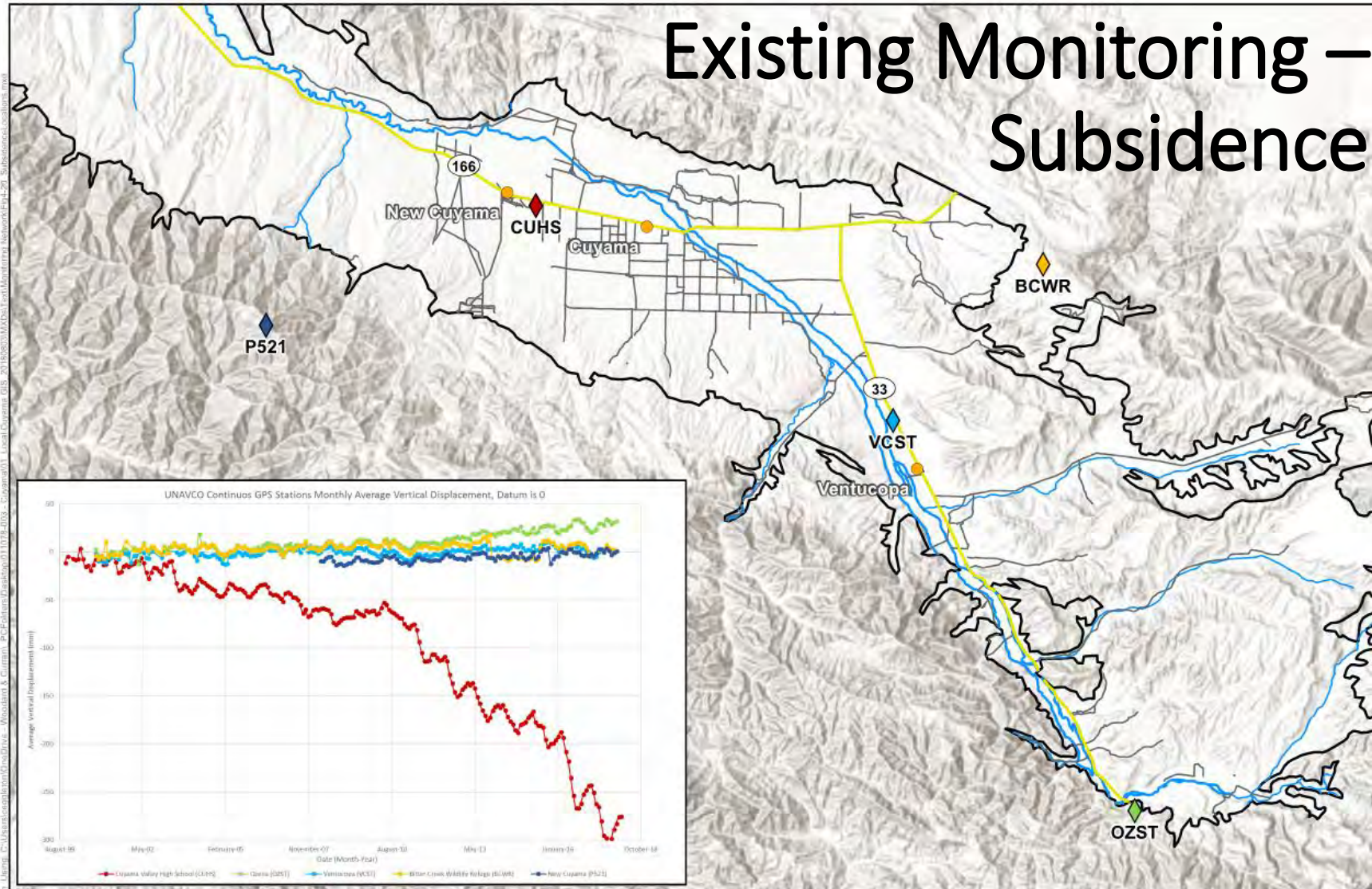
Legend

- Cuyama Basin
- Faults
- Towns
- Representative Well
- Highways
- Active Groundwater Quality Monitoring Network Well
- Cuyama River
- Non-Active / Non-Groundwater Quality Monitoring Network Well
- Streams





# Existing Monitoring – Subsidence



**Figure 4-20: Currently Active Subsidence Monitoring Locations**

Cuyama Basin Groundwater Sustainability Agency

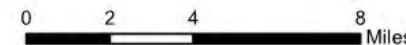
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

September 2018



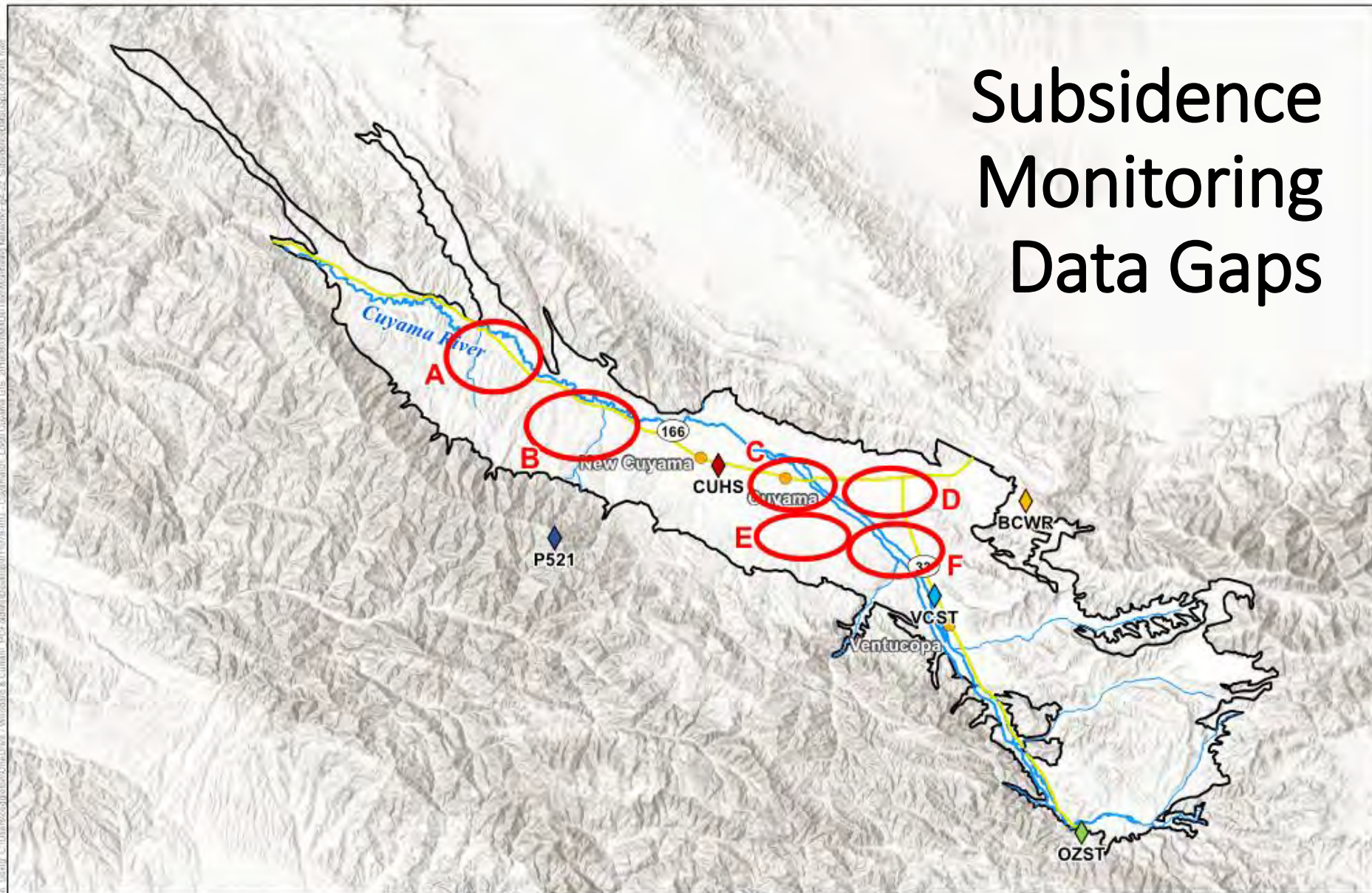
Legend

- Cuyama Basin
- Cuyama River
- Towns
- Streams
- Highways
- Local Roads





# Subsidence Monitoring Data Gaps



**Figure 4-22: Subsidence Monitoring Location Data Gap Areas**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

September 2018



Legend

- Cuyama Basin
- Cuyama River
- Towns
- Streams
- Highways

0 3.5 7 14 Miles







TO: Board of Directors  
Agenda Item No. 7b

FROM: Lyndel Melton, Woodard & Curran

DATE: November 7, 2018

SUBJECT: Management Areas Adoption

**Issue**

Recommend adoption of the Management Areas.

**Recommended Motion**

Adopt the Management Areas.

**Discussion**

An overview of the Management Areas is provided as Attachment 1.

# Cuyama Basin Groundwater Sustainability Agency

## Update on Management Areas

November 7, 2018





# Process for Management Areas Discussion

- Tech Forum – Sep 21
- SAC – Sep 27
- Board – Oct 3

Input and Discussion

- Tech Forum – Oct 23
- SAC – Nov 1
- Board – Nov 7

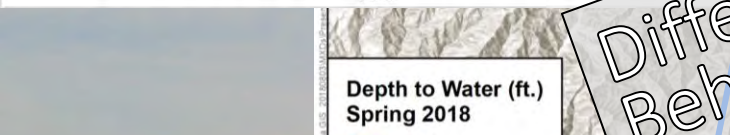
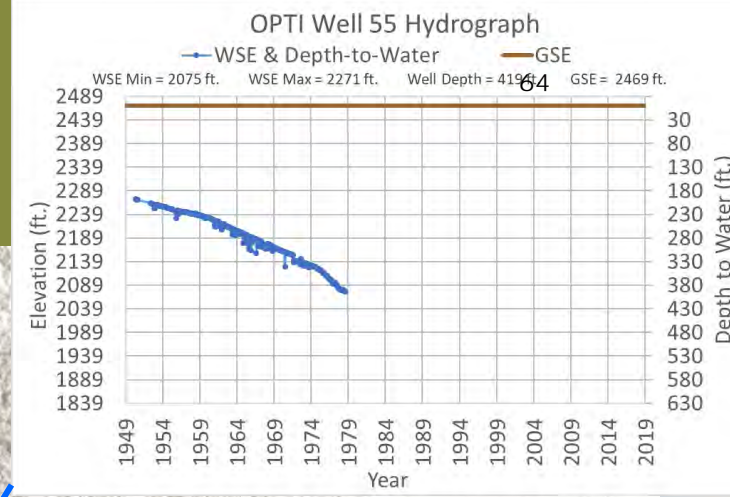
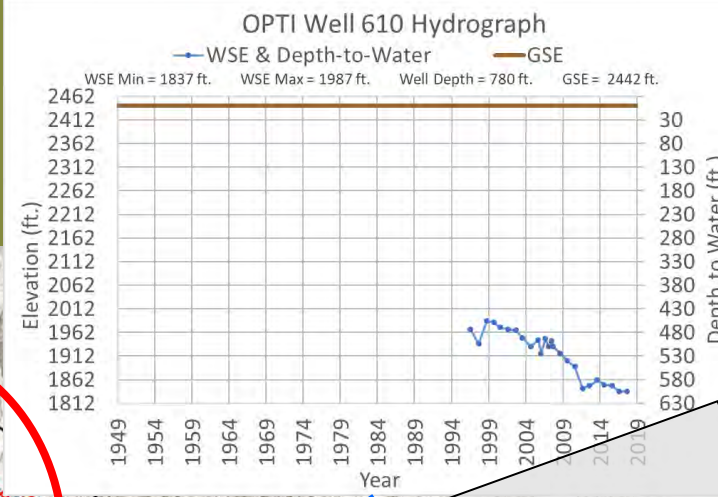
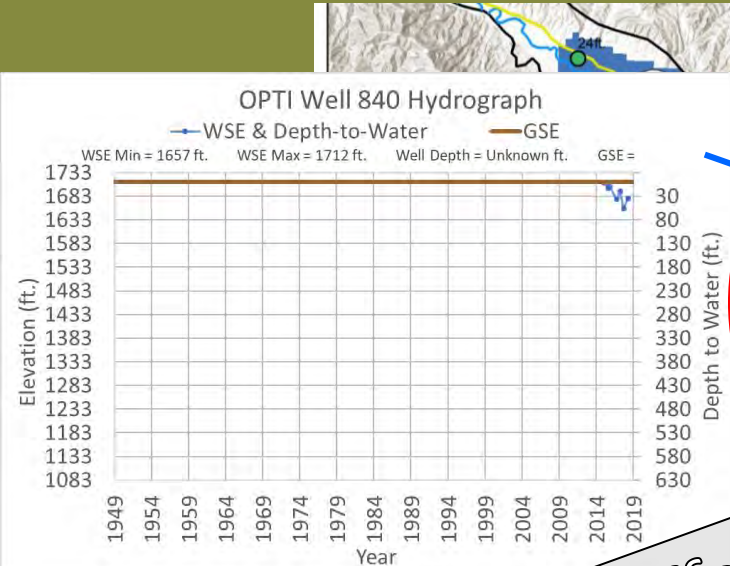
Recommendation and Board Approval

# Why Were Management Areas Proposed?

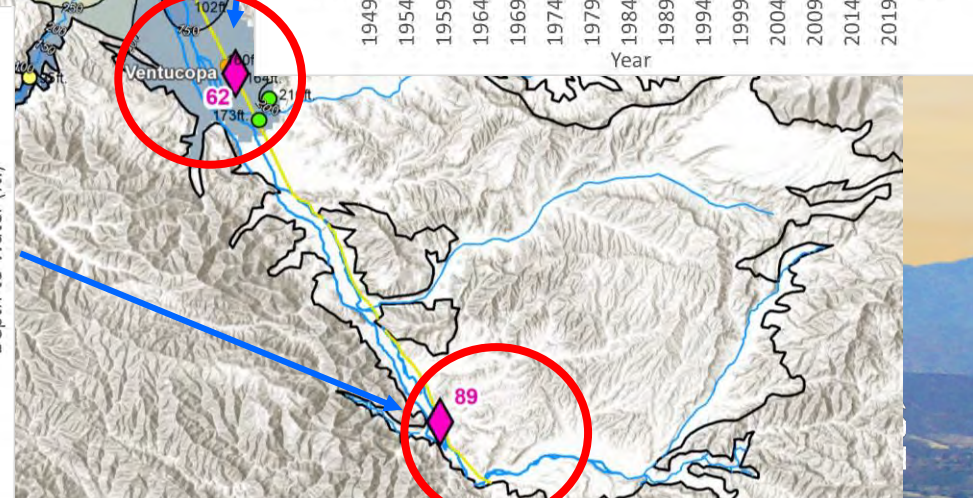
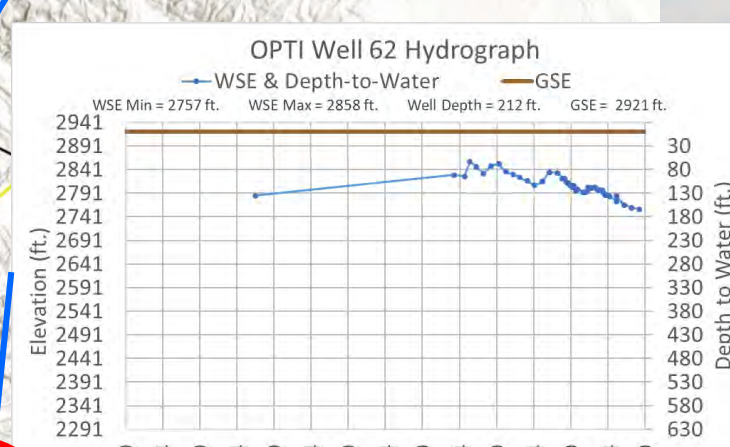
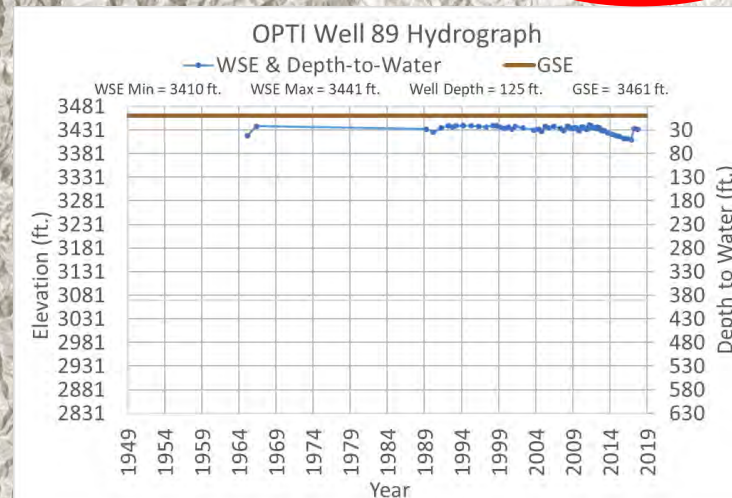
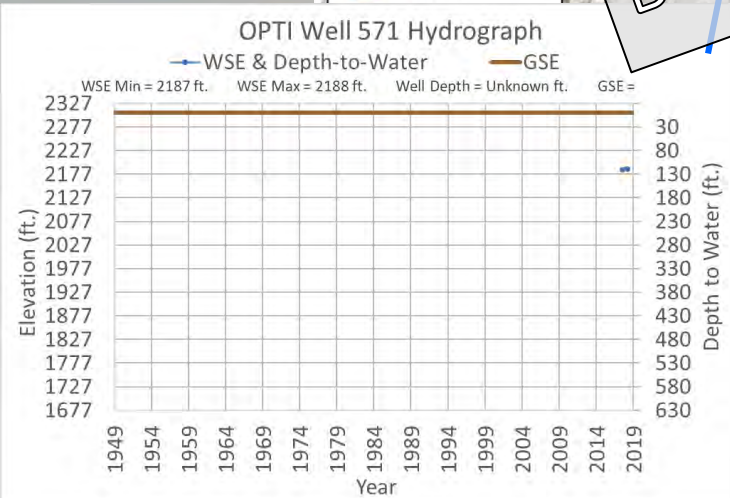
- To allow different rationales for setting Minimum Thresholds, Measurable Objectives, and Interim Milestones
  - Which are needed to meet GSP regulations, because:
- There are distinct hydrogeologic conditions in different portions of the basin



# Why Were Management Areas Proposed?



Different Portions of the Basin Behave Differently Hydrogeologically





# DWR Definition of a “Management Area”

- *“... may be defined by natural or jurisdictional boundaries, and may be based on differences in water use sector, water source type, geology, or aquifer characteristics.”*
- *“Management Areas may have different minimum thresholds and measurable objectives than the basin at large and may be monitored to a different level.”*
- *“Other portions of the GSP (e.g., hydrogeologic conceptual model, water budget, notice and communication) must be consistent of the entire GSP area.”*



# Potential Management Area Uses

- Provided by Regulation
    - Differentiate rationale for Minimum Thresholds and Measurable Objectives
    - Establish different concentration or types of monitoring
- 
- At GSA Board's Discretion
    - At GSA's discretion, Management Areas \*could\* be used to:
      - Delegate authorities to other jurisdictions
      - Perform projects and management actions discretely by Management Area
        - Allocations
        - Costs

Threshold  
Regions

Perceived as  
Management  
Areas

# Can use any term to describe where we apply threshold rationales

- Need a way to document how we established threshold rationales in which portions of the basin
- Allowable under regulations
- Terminology reflects use of area with different threshold rationale
- Has no management action implications
- Is not related to project and management actions in any way



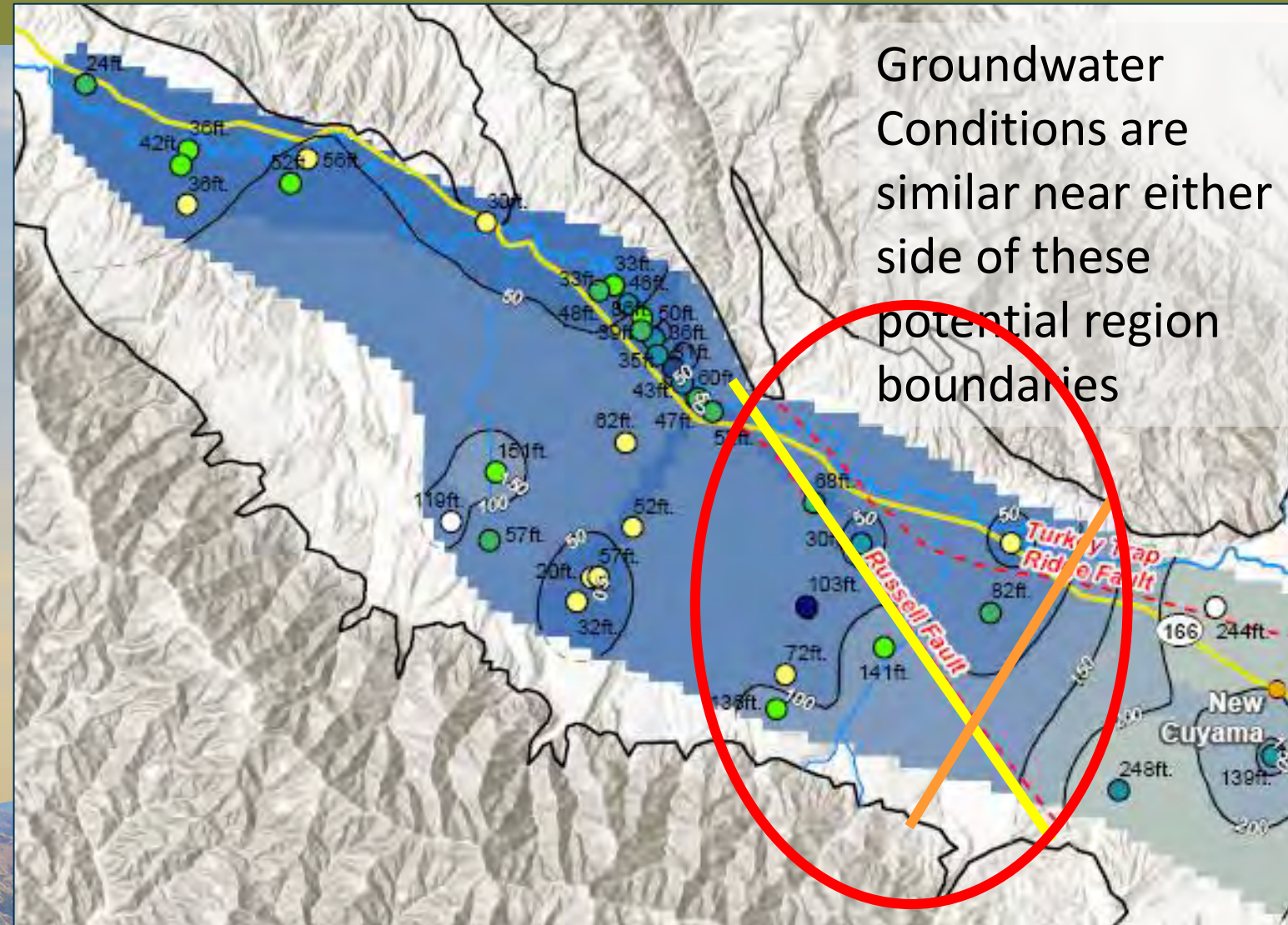
# Potential Threshold Regions

- Four boundary types used:
  - Fault traces (from Dibblee Geologic Mapping)
  - Ridgeline/watershed boundary
  - Groundwater Contour Approximation
  - Straight line
  - Buffer around areas without land use or wells
- Regions were selected to capture areas where groundwater conditions or land uses are different – and need different rationale to establish minimum thresholds and measurable objectives



# Potential Threshold Regions

- Driven by groundwater conditions
- Because groundwater conditions change gradually over distance, thresholds set at monitoring wells near each other are likely to be similar, even when they are in different threshold regions
- (More on this in Threshold Rationales)





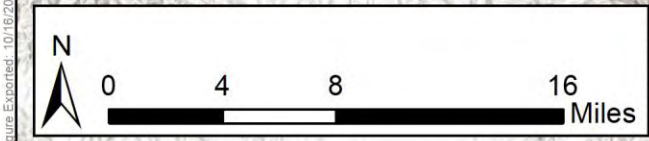
# Option A

Boundary used a mid-slope delineation to separate Cuyama River and Hillside wells.

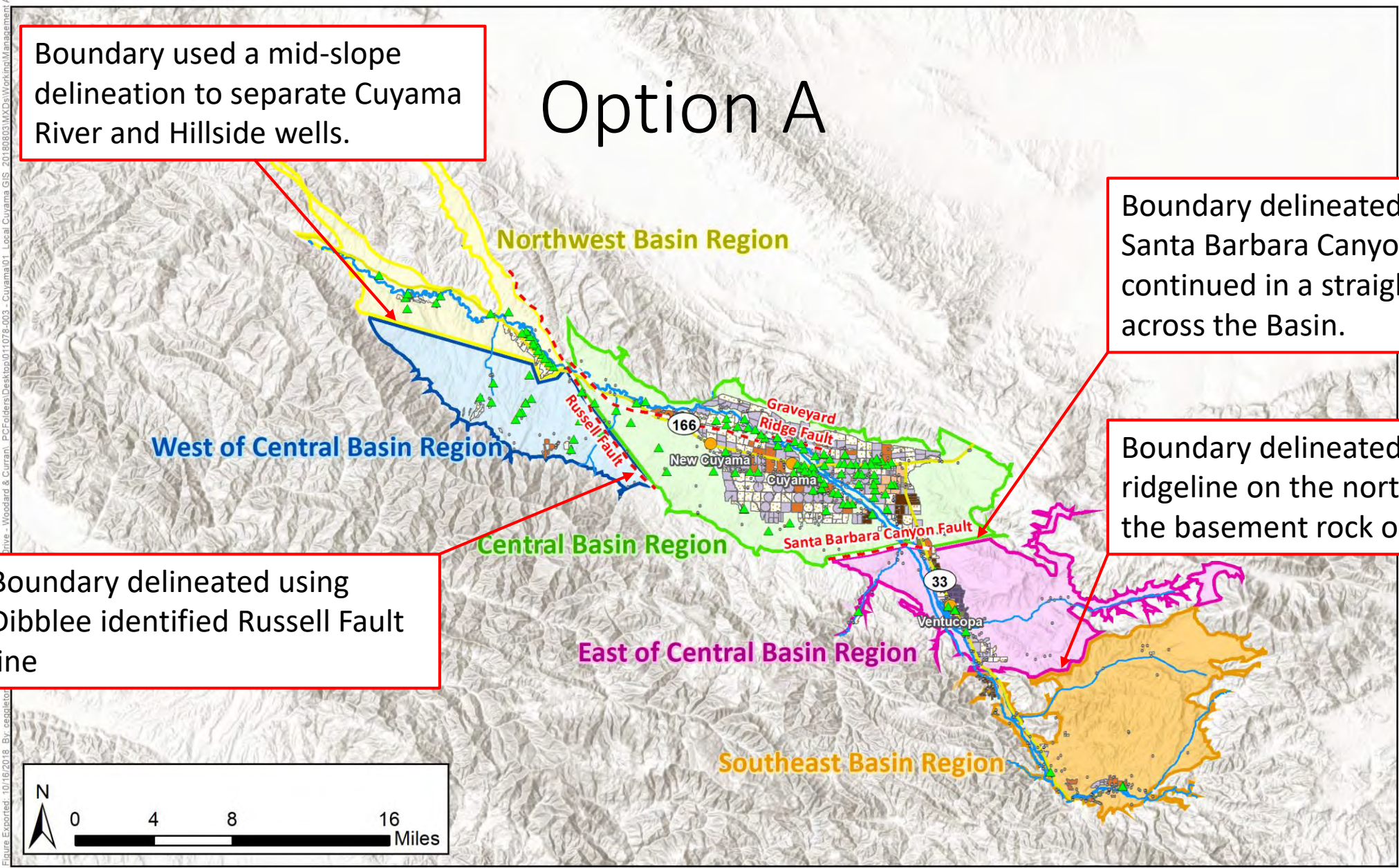
Boundary delineated using Santa Barbara Canyon Fault, continued in a straight line across the Basin.

Boundary delineated using ridgeline on the north side of the basement rock outcropping.

Boundary delineated using Dibblee identified Russell Fault line

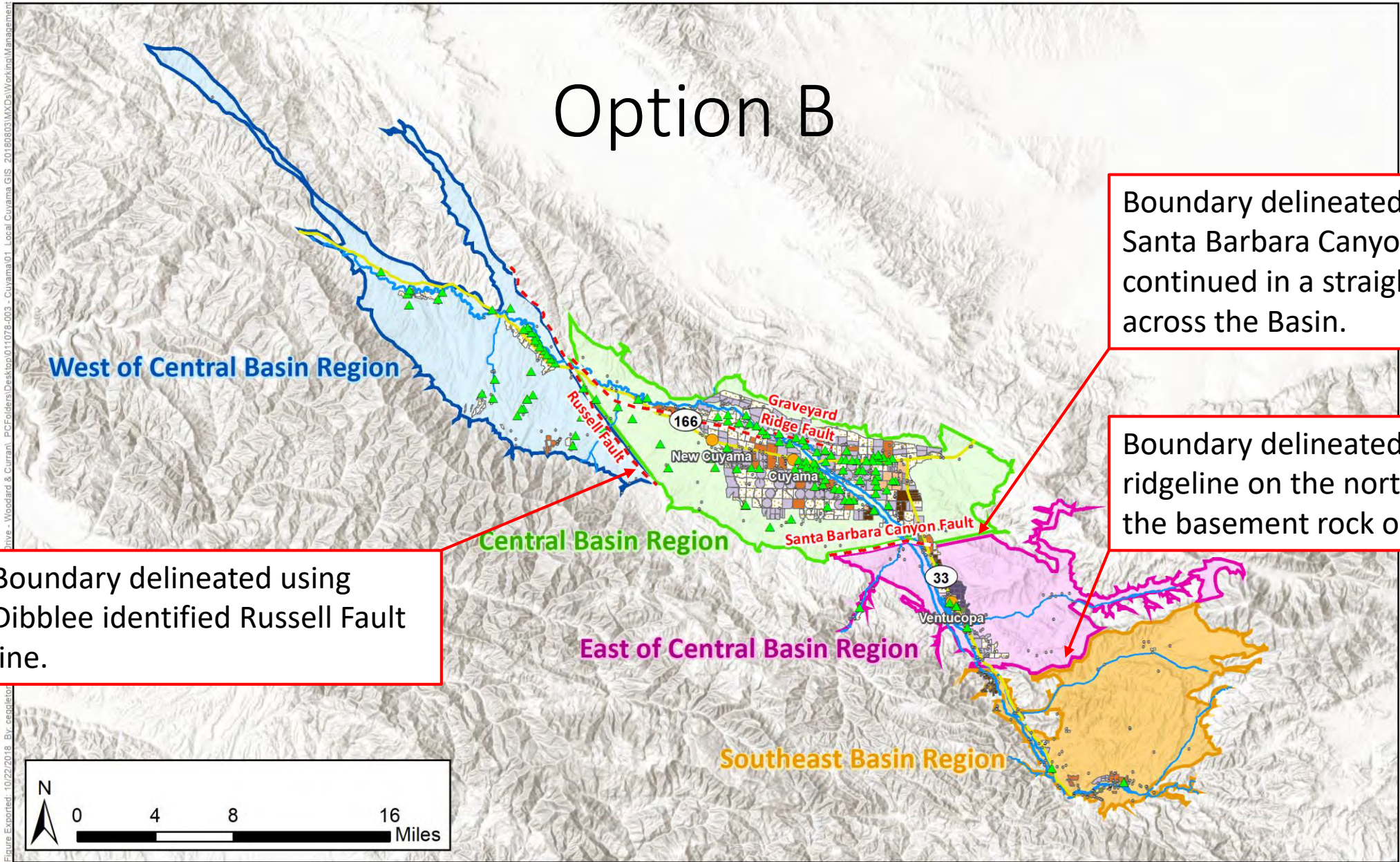


Drive... Woodard & Curran... P:\Foliers\Desktop\1078-003... Cuyama01\_Local Cuyama GIS\_20110803\MXD\Working\Management\_Areas\B... Figure Exported - 10/16/2018 By: ceplin@...





# Option B

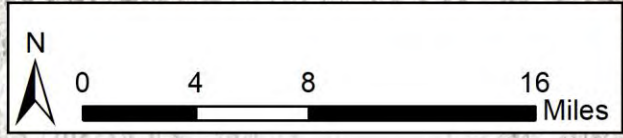


Boundary delineated using Dibblee identified Russell Fault line.

Boundary delineated using Santa Barbara Canyon Fault, continued in a straight line across the Basin.

Boundary delineated using ridgeline on the north side of the basement rock outcropping.

Figure Exported - 10/22/2018 By: ceplin@woodardcurran.com





# Option C

Boundary delineated using Santa Barbara Canyon Fault, continued in a straight line across the Basin.

Boundary delineated using ridgeline on the north side of the basement rock outcropping.

Boundary delineated using the approximate location of the 100 foot depth to water contour.

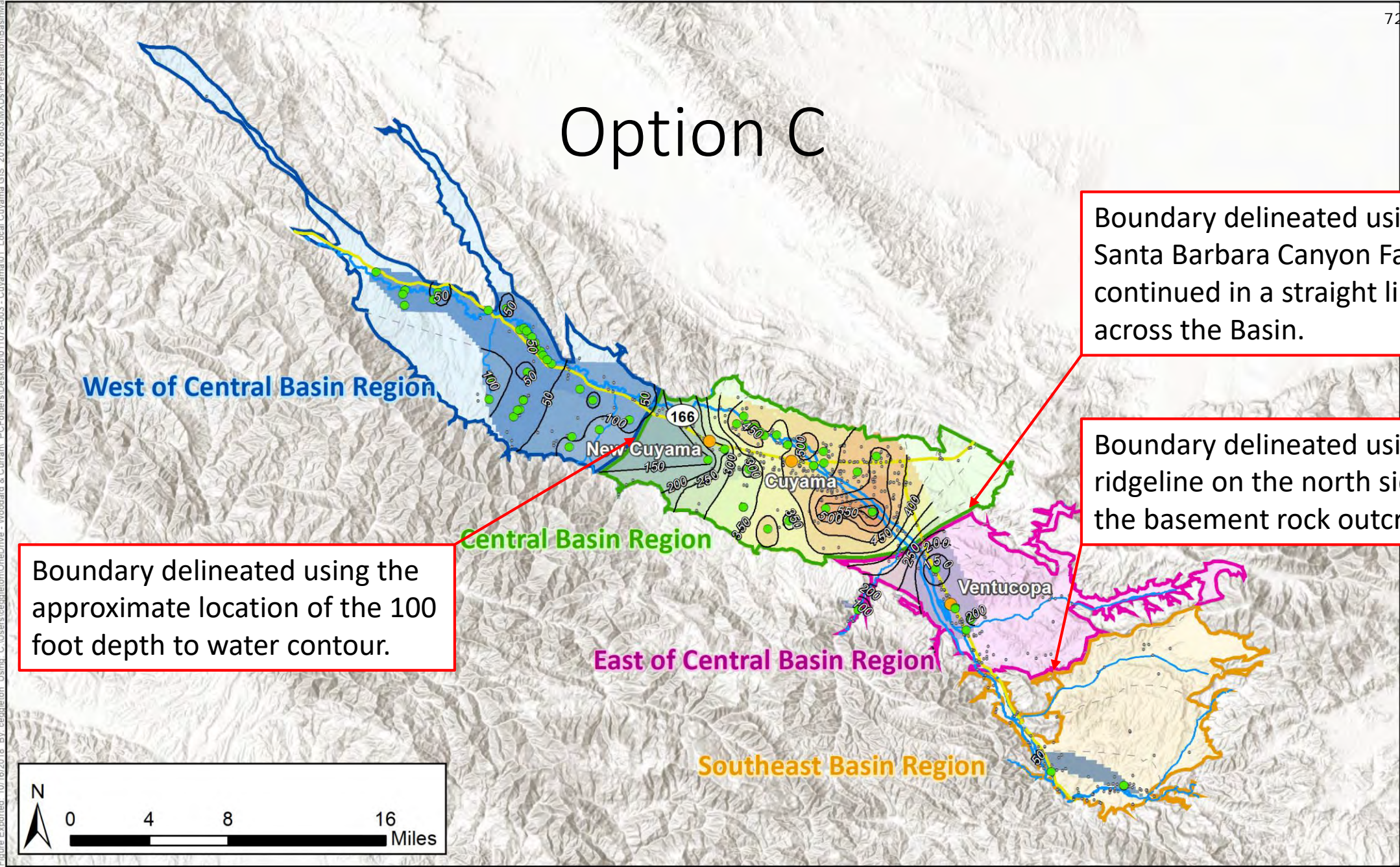


Figure Exported: 10/16/2018 By: cepletion Using: C:\Users\cepletion\OneDrive - Woodard & Curran\PC\Folders\Desktop\011076-003 - Cuyama\01 - Cuyama\GIS - 20180803\MXDs\Presentation\BasinManagement



# Option D

Boundary used a mid-slope delineation to separate Cuyama River and Hillside wells.

Boundary delineated using Santa Barbara Canyon Fault, continued in a straight line across the Basin.

Boundary delineated using location of irrigation activities and topography

Western Region

Northwestern Region

Central Region

Badlands Region

Eastern Region

Southeastern Region

Boundary delineated using Dibblee identified Russell Fault line

Boundary delineated using ridgeline on the north side of the basement rock outcropping.



Figure Exported: 10/24/2018 By: cepletion Using: C:\Users\cepletion\OneDrive - Woodard & Curran\PC\Folders\Desktop\011076-003 - Cuyama GIS - Cuyama\01 - Local Cuyama GIS - 20180803\MXD\Working\Management Areas





TO: Board of Directors  
Agenda Item No. 7c

FROM: Lyndel Melton, Woodard & Curran

DATE: November 7, 2018

SUBJECT: DWR Technical Support Services Update

**Issue**

Update on the DWR Technical Support Services.

**Recommended Motion**

None – information only.

**Discussion**

An update on the DWR Technical Support Services is provided as Attachment 1.

# Cuyama Basin Groundwater Sustainability Agency

## DWR Technical Services Update

November 7, 2018

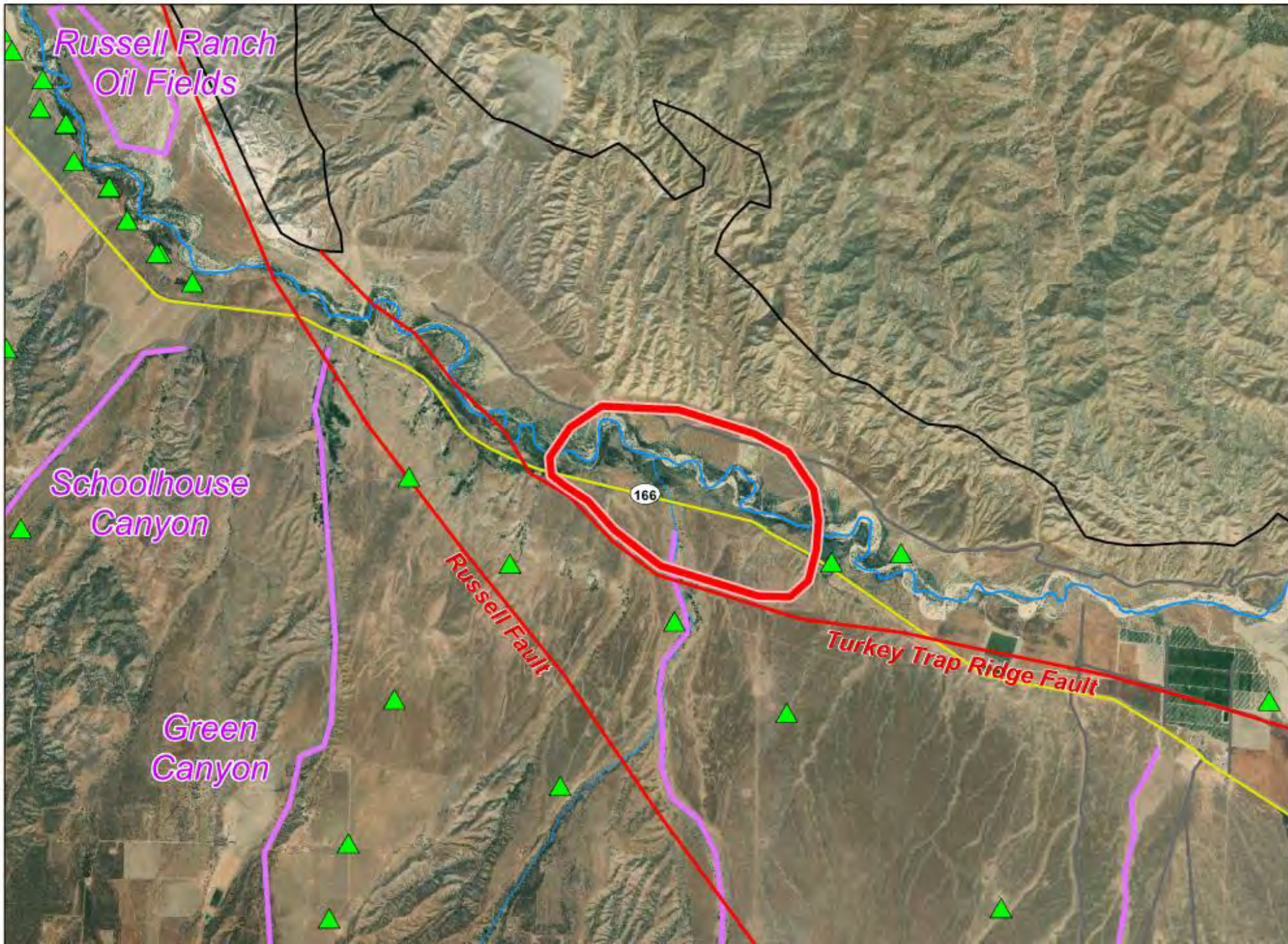




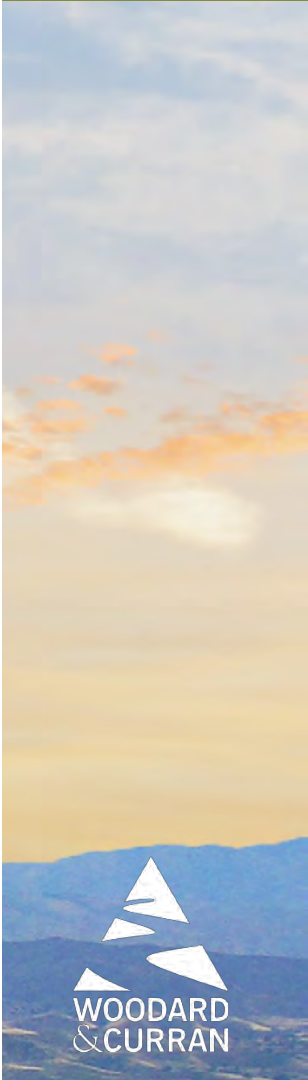
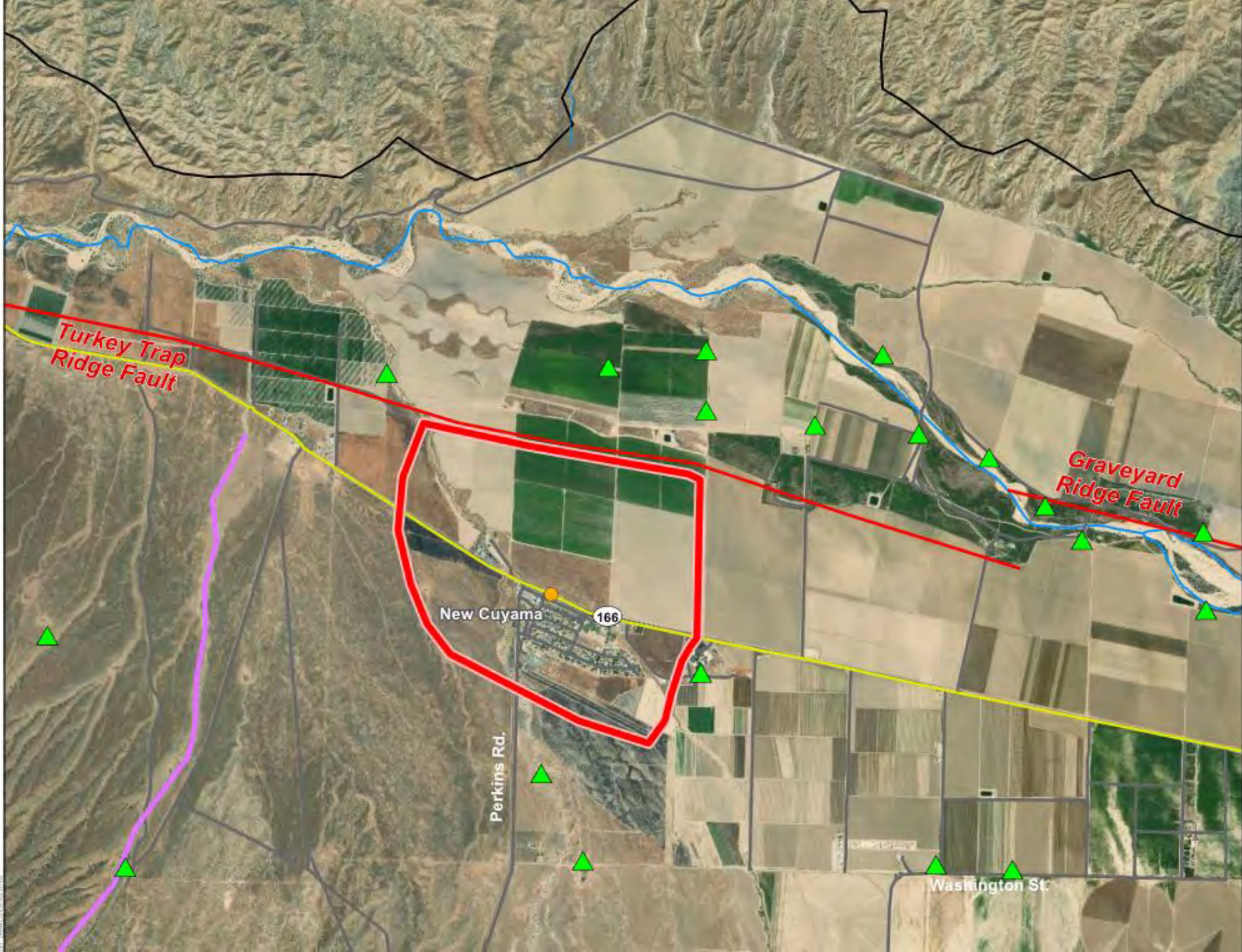
# DWR Technical Support Services Update

- CBGSA Ad-hoc committee call on October 18
  - Discussed updated location maps for monitoring wells
  - Identified potential property locations for follow up
- Currently in contact with county representatives and local landowners to discuss access and complete permit forms

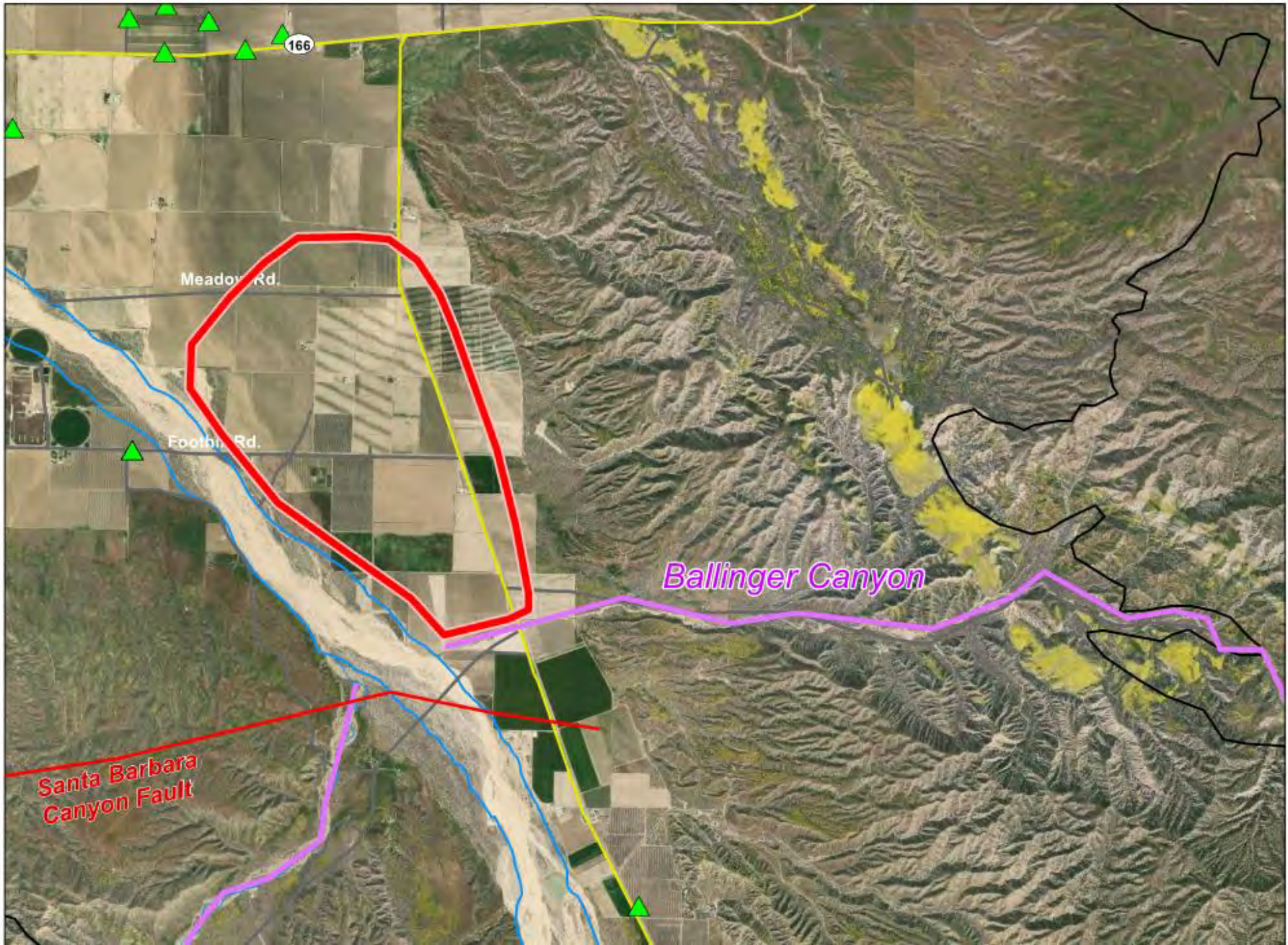
















TO: Board of Directors  
Agenda Item No. 7ci

FROM: Lyndel Melton, Woodard & Curran

DATE: November 7, 2018

SUBJECT: Monitoring Well Locations Approval

**Issue**

Approval of monitoring well locations.

**Recommended Motion**

Approve monitoring well locations as outlined in Agenda Item No. 7c.

**Discussion**

Monitoring well locations have been identified for the California Department of Water Resources (DWR) Technical Support Services (TSS) program. Well locations have been reviewed with the DWR TSS ad hoc and are provided in Agenda Item No. 7c for approval.



TO: Board of Directors  
Agenda Item No. 7d

FROM: Charles Gardiner, Catalyst Group

DATE: November 7, 2018

SUBJECT: Stakeholder Engagement Update

**Issue**

Update on the Cuyama Basin Groundwater Sustainability Agency Groundwater Sustainability Plan stakeholder engagement.

**Recommended Motion**

None – information only.

**Discussion**

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Groundwater Sustainability Plan (GSP) outreach consultant the Catalyst Group's stakeholder engagement update is provided as Attachment 1.



# Cuyama Basin Groundwater Sustainability Agency

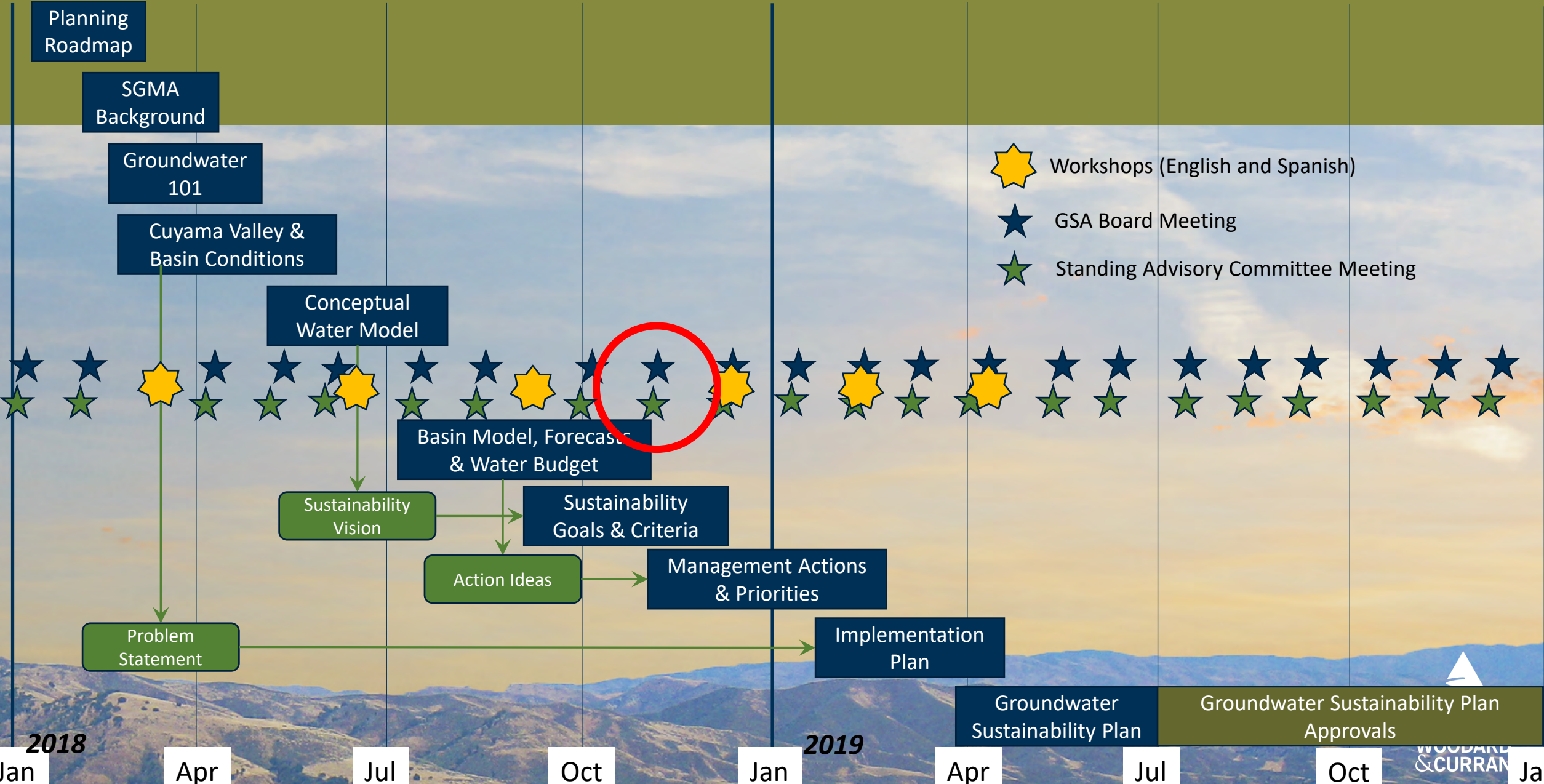
## Groundwater Sustainability Plan Stakeholder Engagement Update

November 7, 2018





# Cuyama Basin Groundwater Sustainability Plan – Planning Roadmap





# Update on Outreach Activities

- **Newsletter Edition #3**
  - In New Cuyama P.O. Boxes by November 1
  - Emailed to GSP contact list November 1
  - Posted on the GSA website
- **Next Community Workshops - Monday, December 3, 6:30 p.m. to 8:30 p.m.**
  - New Cuyama High School Cafeteria – English Language
  - Adjacent Classroom – Spanish Language
  - Topics will include:
    - Water Model Update
    - Water Budget
    - Sustainability Goals and Thresholds
- **Postcard Announcing Workshops out in Early November**
- **Next Newsletter - January 2019**



TO: Board of Directors  
Agenda Item No. 8b

FROM: Jim Beck, Executive Director

DATE: November 7, 2018

SUBJECT: Progress & Next Steps

**Issue**

Report on the progress and next steps for Cuyama Basin Groundwater Sustainability Agency activities.


**Recommended Motion**

None – information only.

**Discussion**

A presentation on the progress and next steps for Cuyama Basin Groundwater Sustainability Agency activities is provided as Attachment 1.





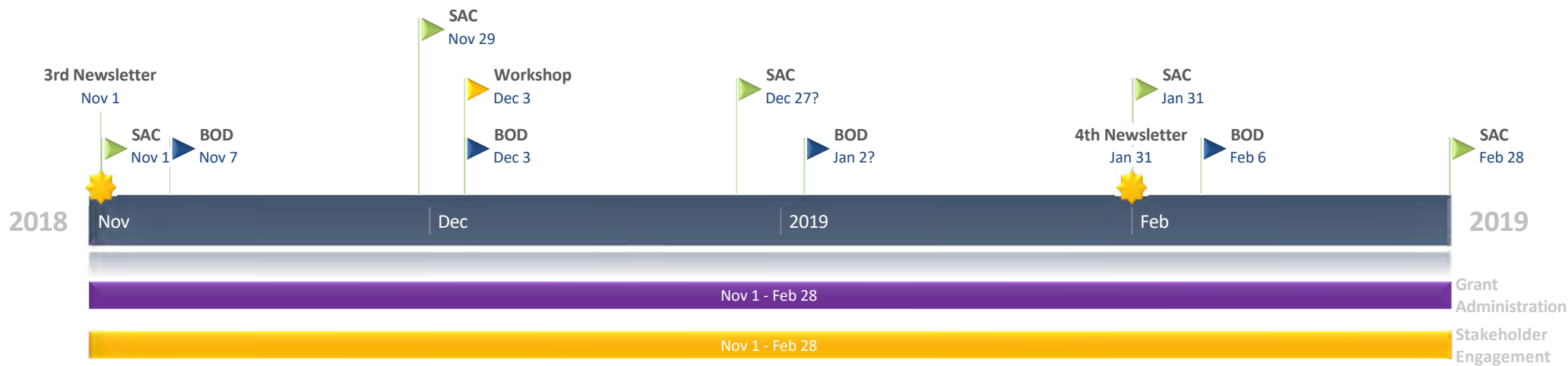
# Cuyama Basin Groundwater Sustainability Agency

## Progress & Next Steps

November 7, 2018

# Cuyama Basin Groundwater Sustainability Agency

## Near-Term Schedule





# Accomplishments & Next Steps

## Accomplishments

- ✓ Continued facilitation of grant documentation
- ✓ Developed GSP schedule graphic
- ✓ Drafted GSP responsibilities memo

## Next Steps

- Finalize grant admin documents with DWR
- Coordinate DWR Technical Support Services application process
- Assist in facilitating December 3<sup>rd</sup> Workshop



Photo credit: Flickr.com



TO: Board of Directors  
Agenda Item No. 9a

FROM: Jim Beck, Executive Director

DATE: November 7, 2018

SUBJECT: Financial Management Overview

**Issue**

Overview of the financial management for Cuyama Basin Groundwater Sustainability Agency activities.

**Recommended Motion**

None – information only.

**Discussion**

A presentation on the financial management for Cuyama Basin Groundwater Sustainability Agency activities is provided as Attachment 1.





# Cuyama Basin Groundwater Sustainability Agency Financial Report

November 7, 2018

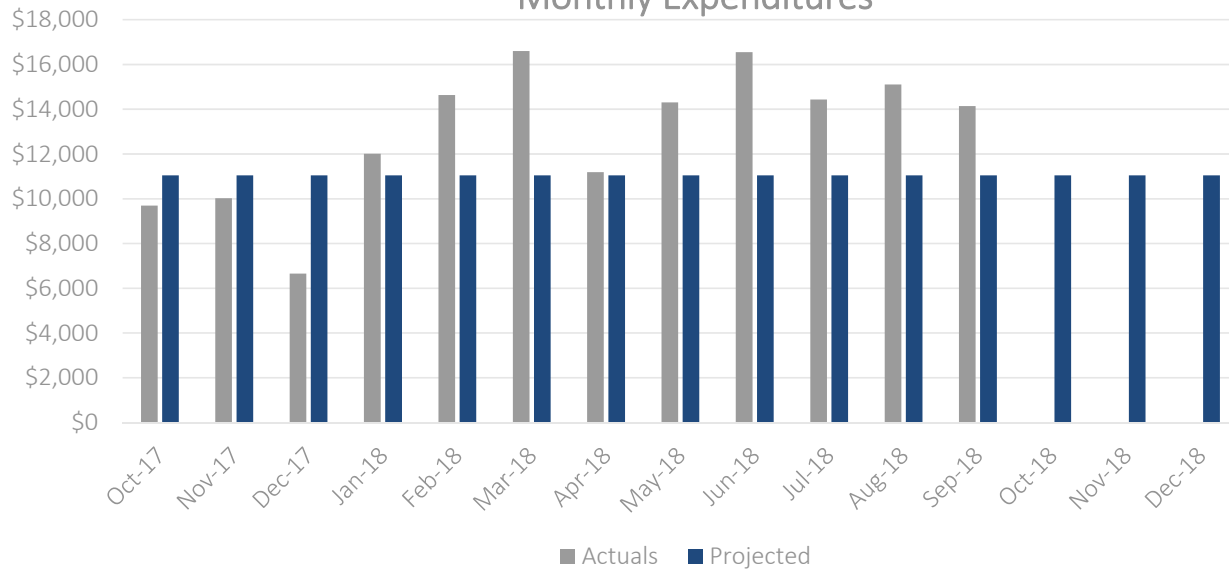
## CBGSA OUTSTANDING INVOICES

Task	Invoiced Through	Cumulative Total
Legal Counsel	9/19/2018	\$7,561.00
Executive Director	9/31/2018	\$54,012.00
GSP Development	9/28/2018	\$612,722.00
<b>TOTAL</b>		<b>\$674,295.00</b>

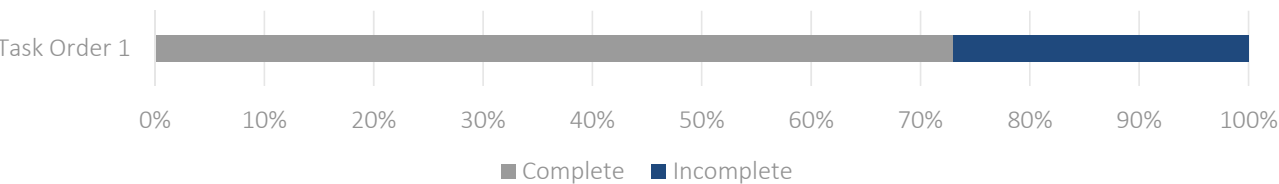


# Executive Director Task Order 1

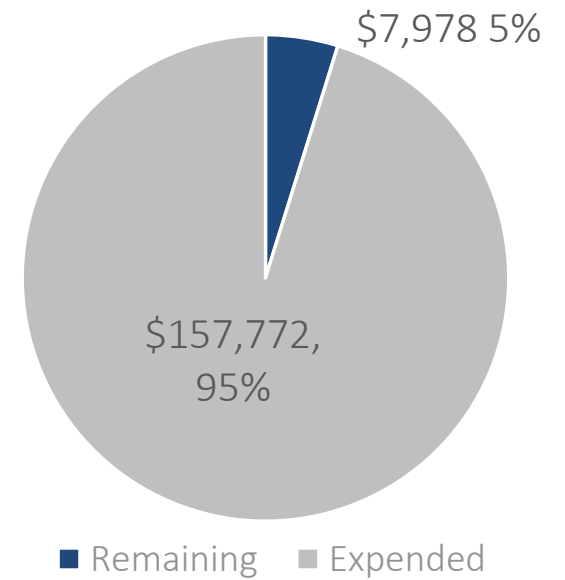
Monthly Expenditures



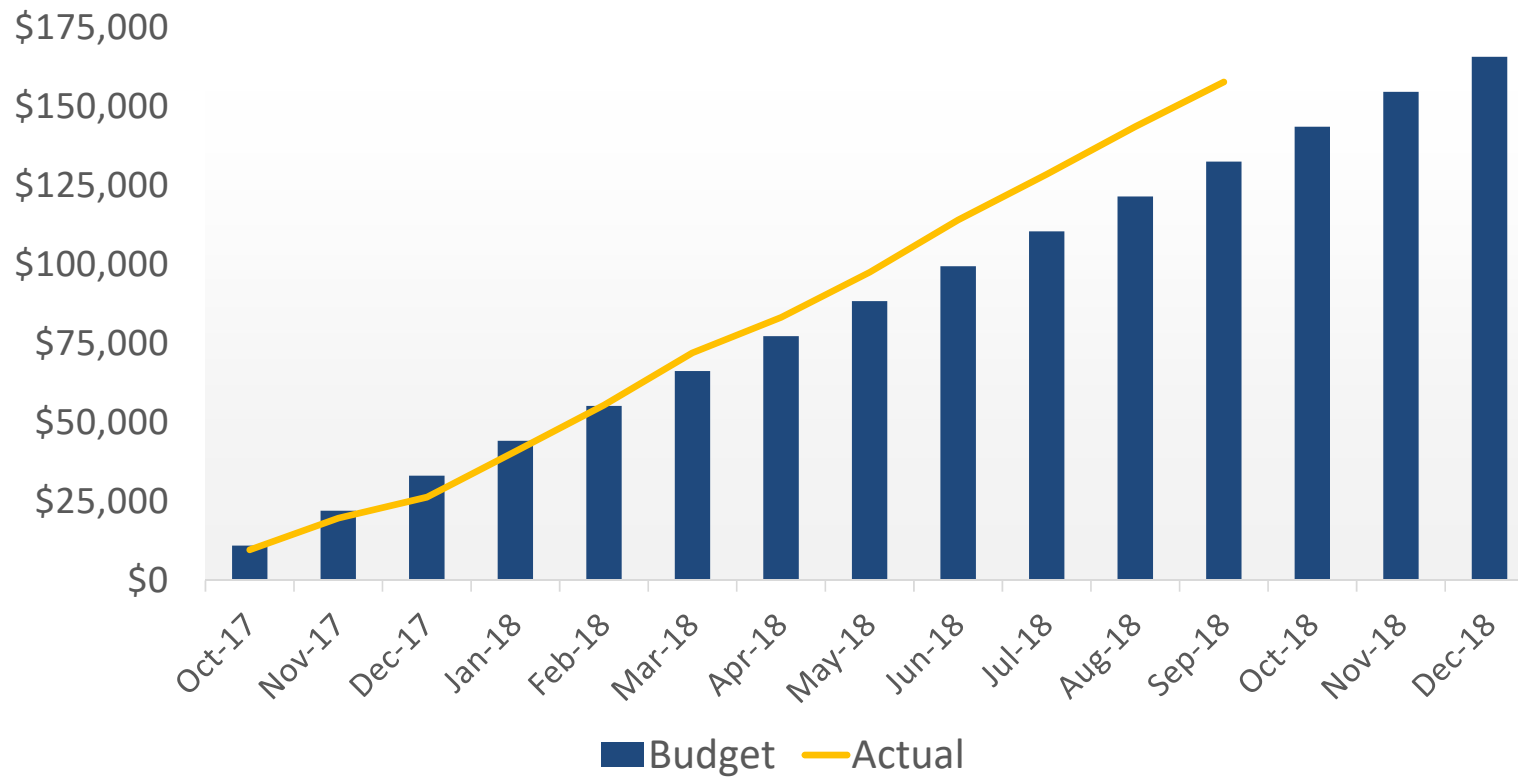
Progress Complete



Total Authorized \$165,750  
Through 12/31/2018



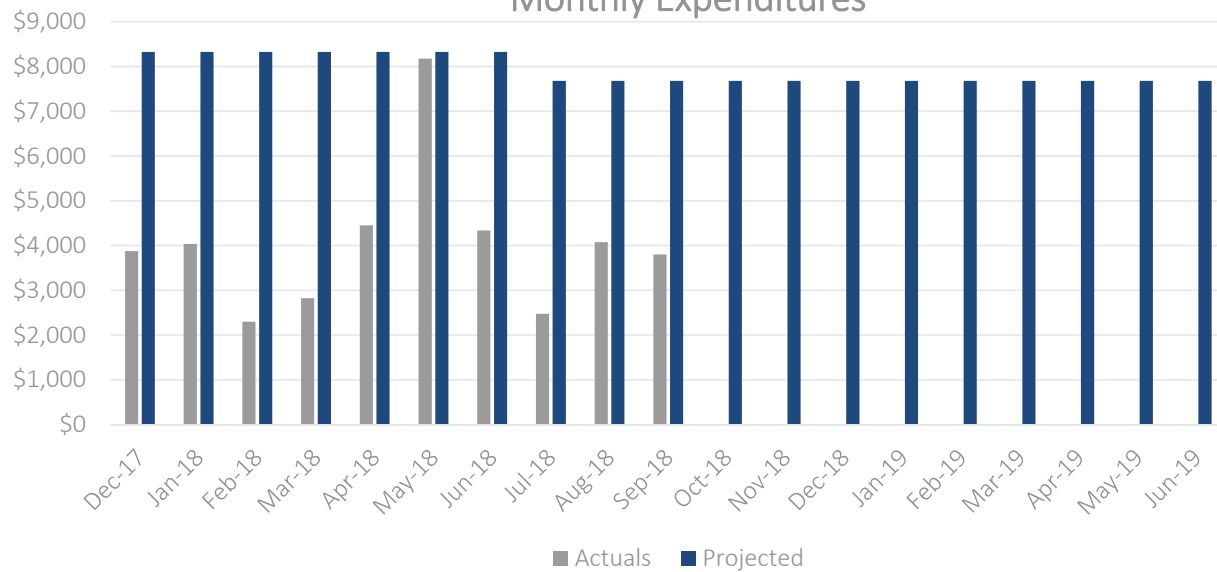
# Task Order No. 1: Budget to Actual



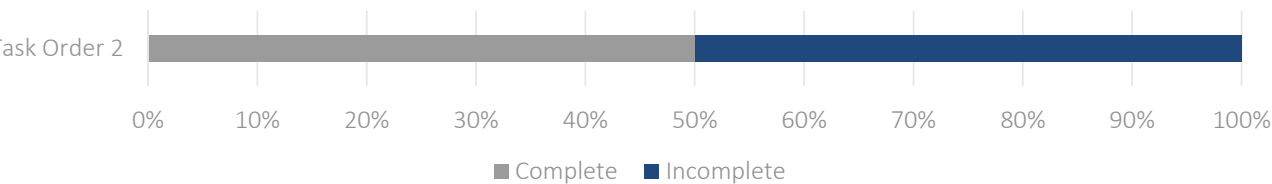


# Executive Director Task Order 2, Amd1

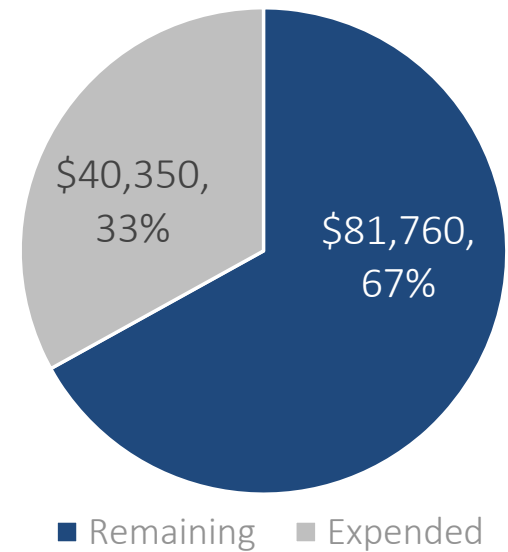
Monthly Expenditures



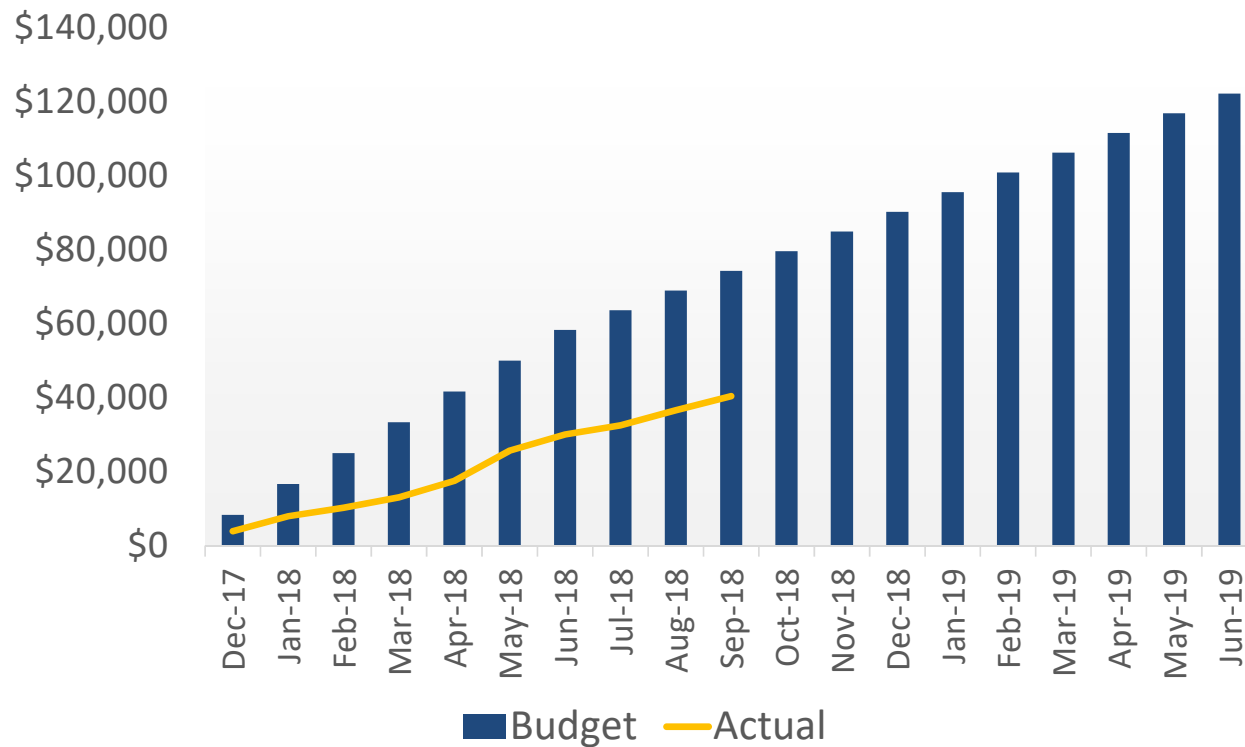
Progress Complete



Total Authorized \$122,110  
Through 6/30/2019

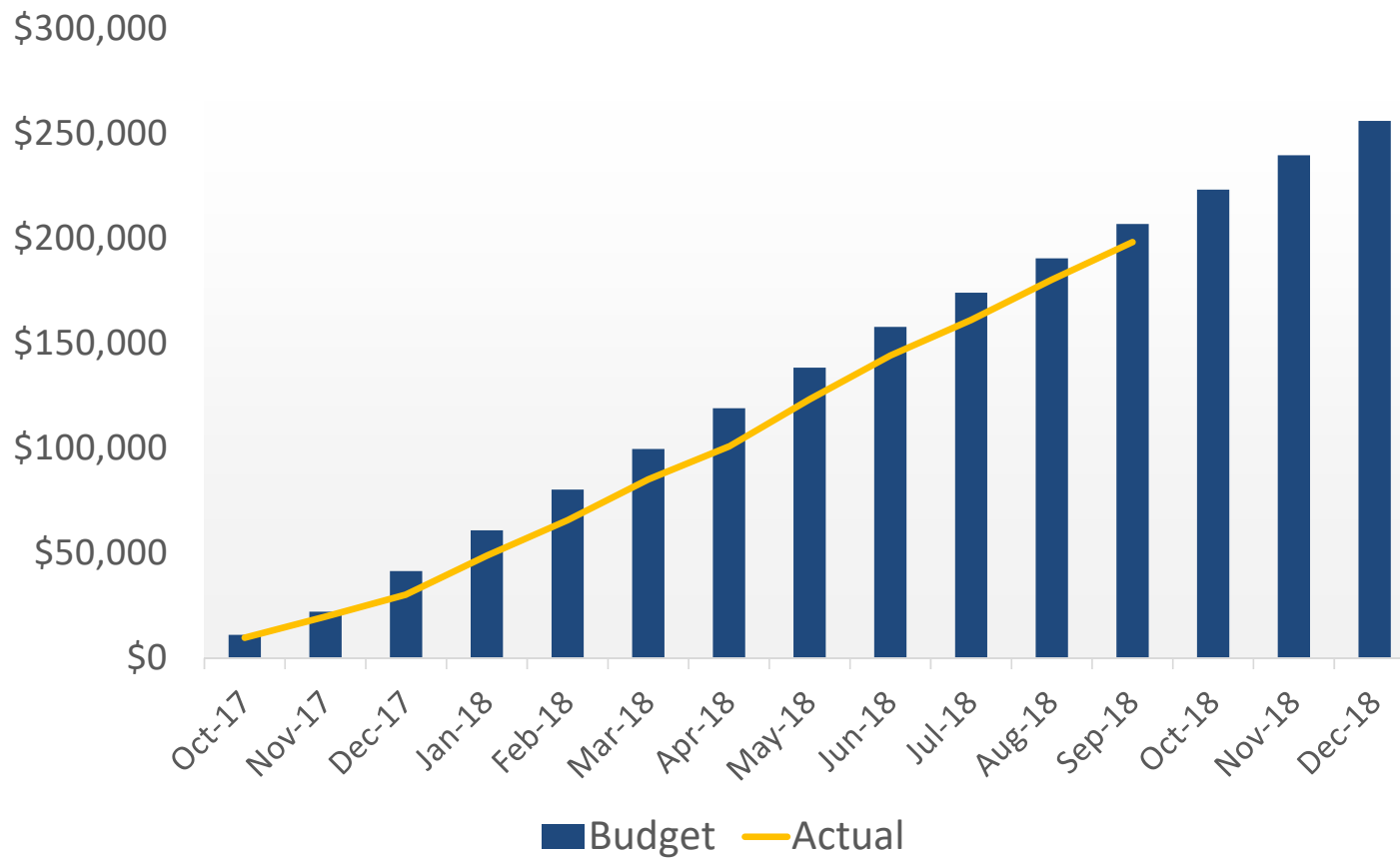


## Task Order No. 2: Budget to Actual



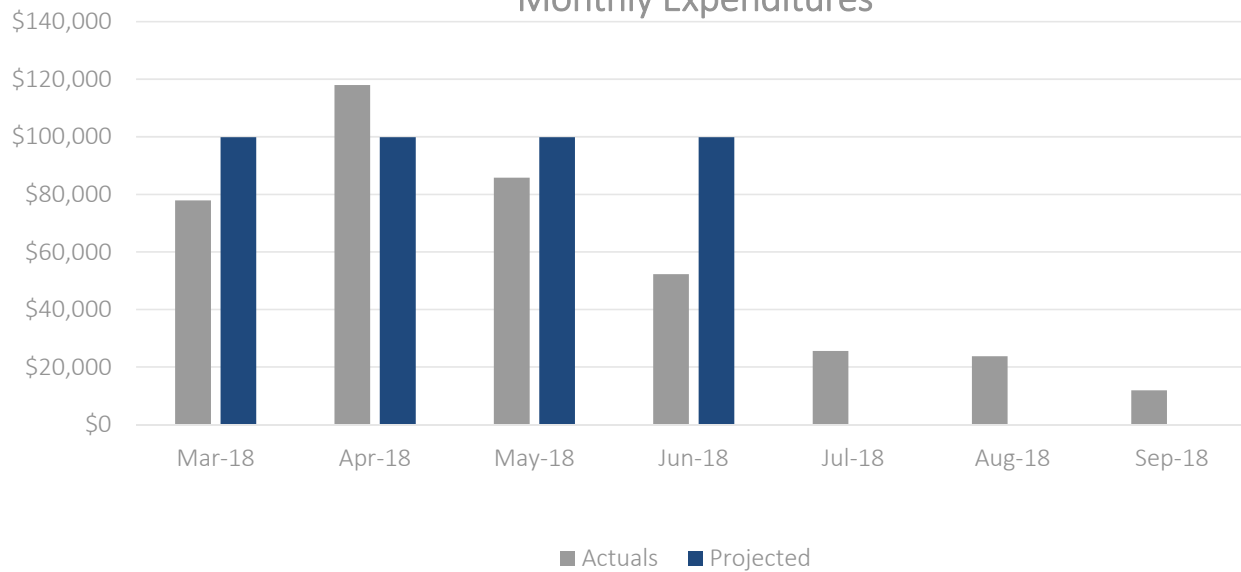


## Task Order Nos. 1 & 2: Budget to Actual

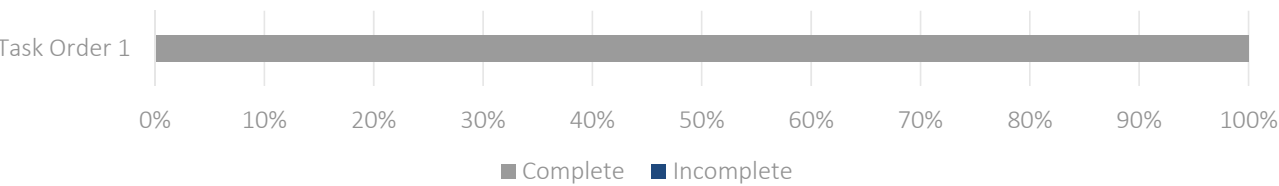


# GSP Development Task Order 2

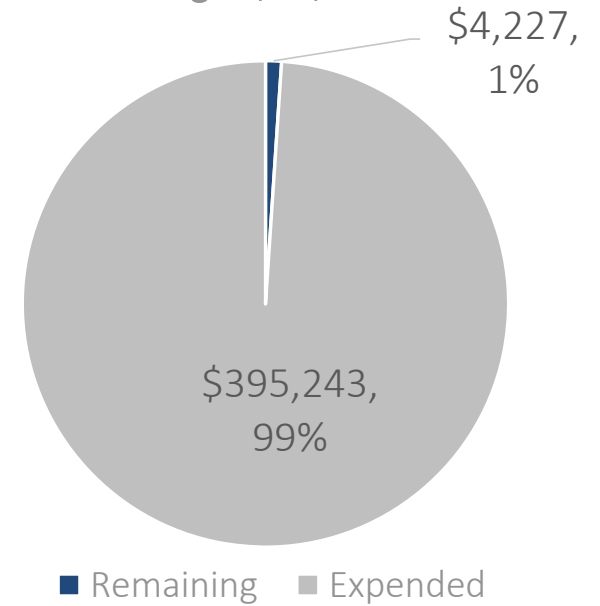
Monthly Expenditures



Progress Complete



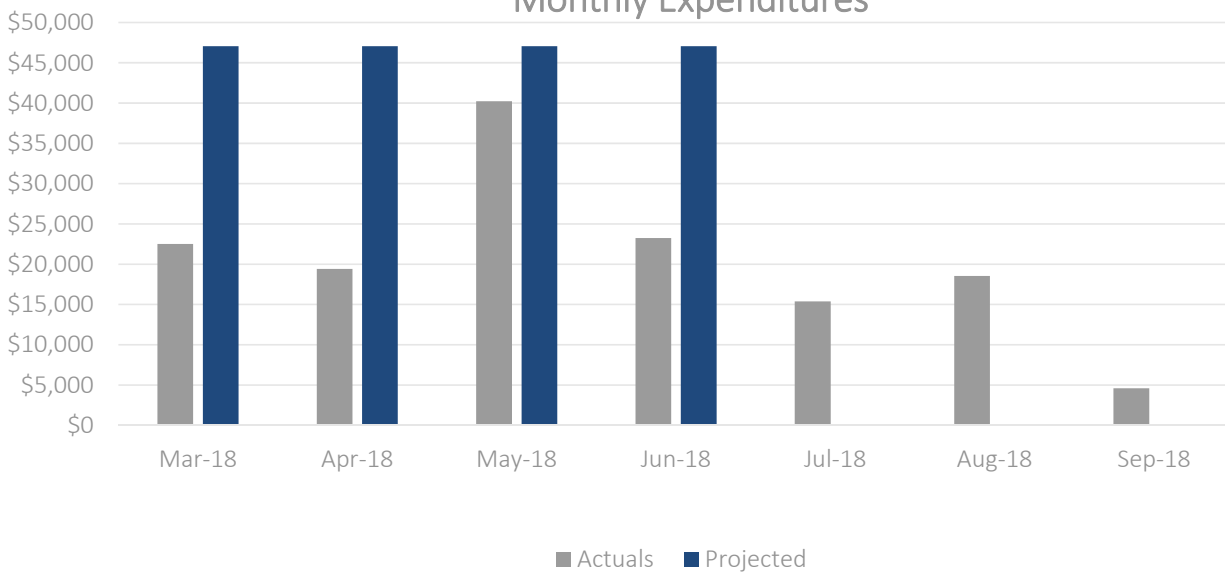
Total Authorized \$399,469 Through 6/30/2018



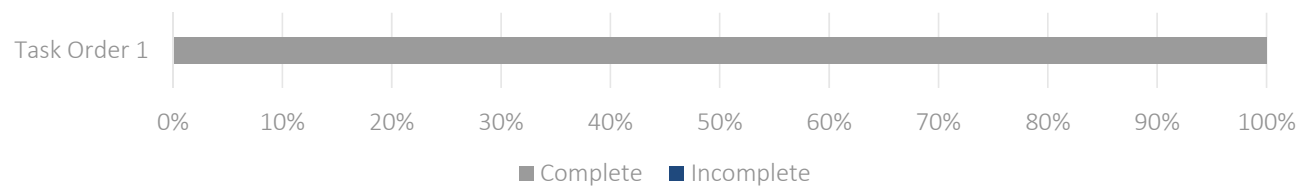


# GSP Development Task Order 3

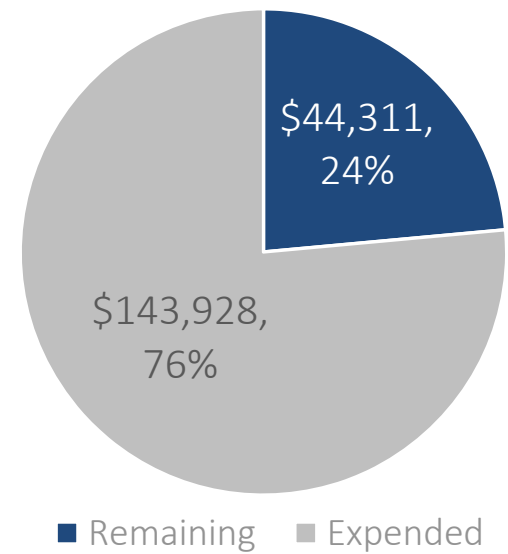
Monthly Expenditures



Progress Complete

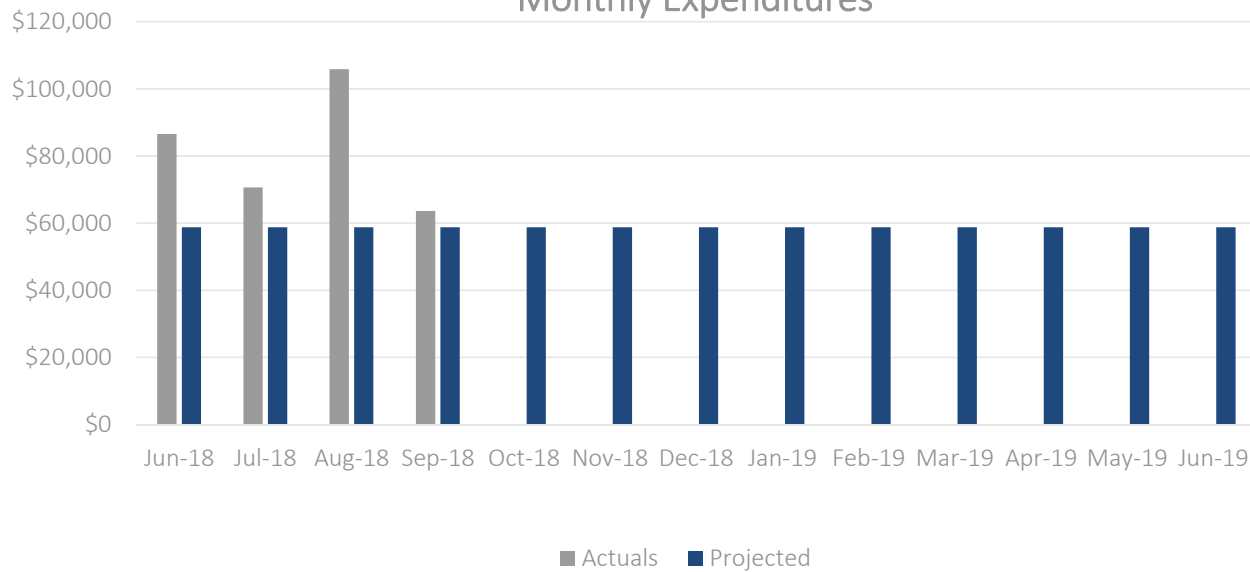


Total Authorized \$188,238  
Through 6/30/2018

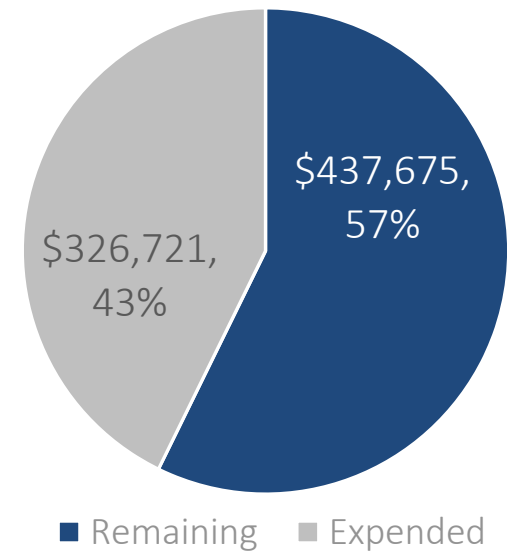


# GSP Development Task Order 4

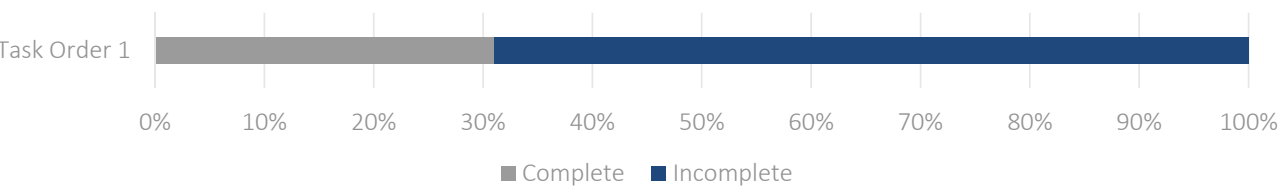
Monthly Expenditures



Total Authorized \$764,396  
Through 6/30/2019



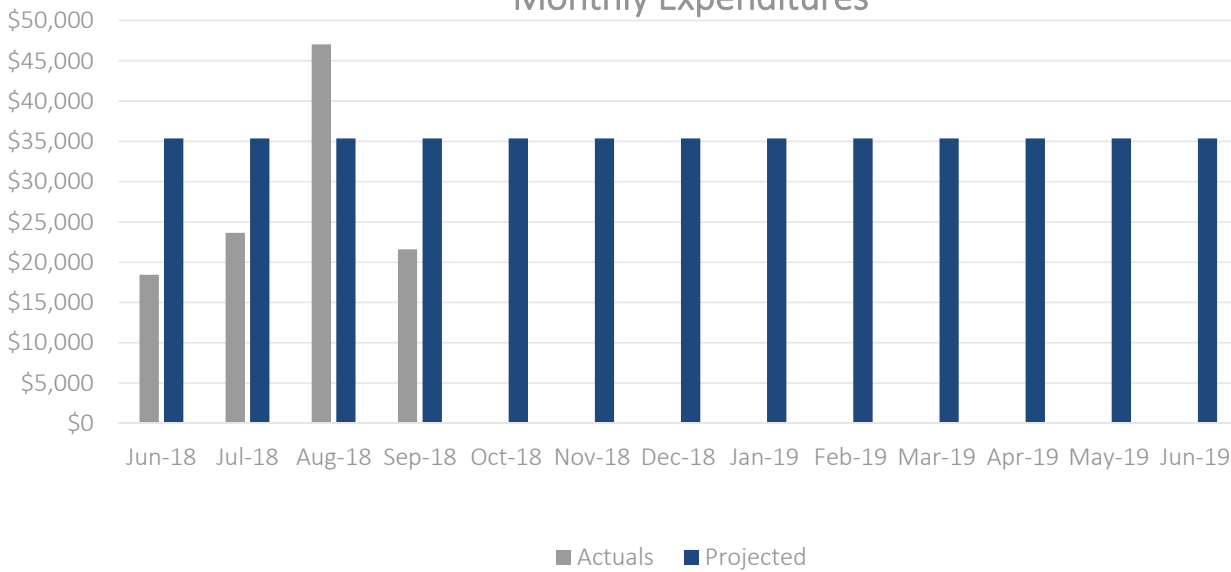
Progress Complete



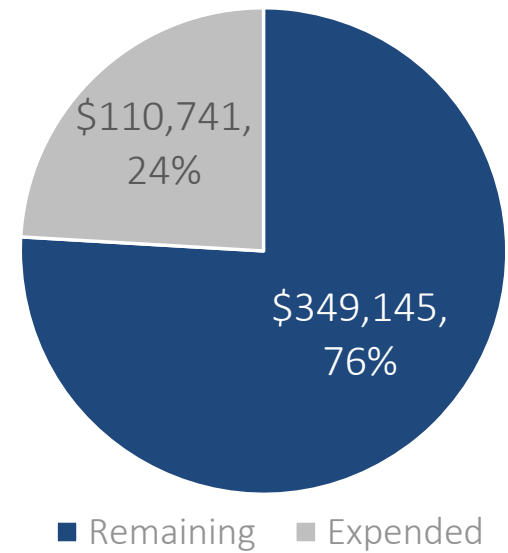


# GSP Development Task Order 5

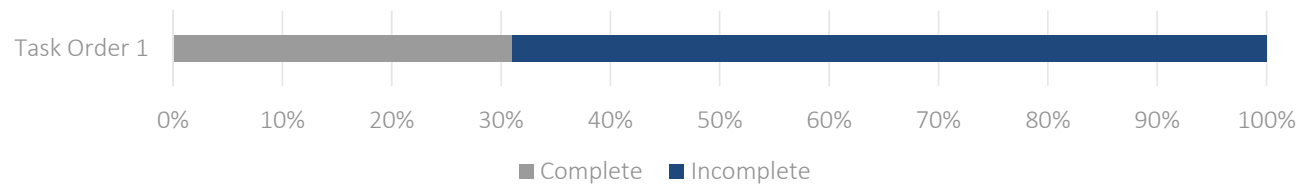
Monthly Expenditures



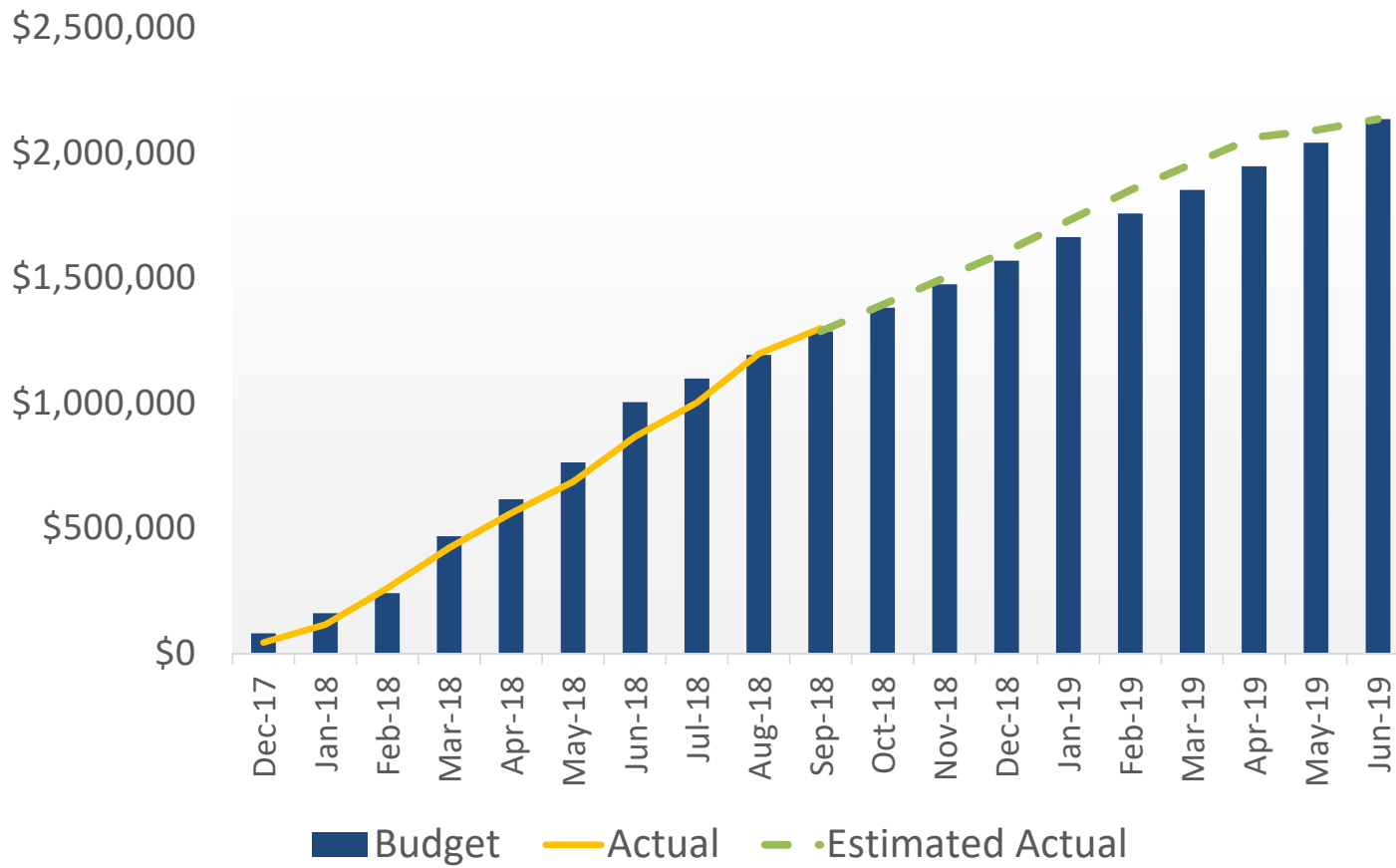
Total Authorized \$459,886  
Through 6/30/2019



Progress Complete

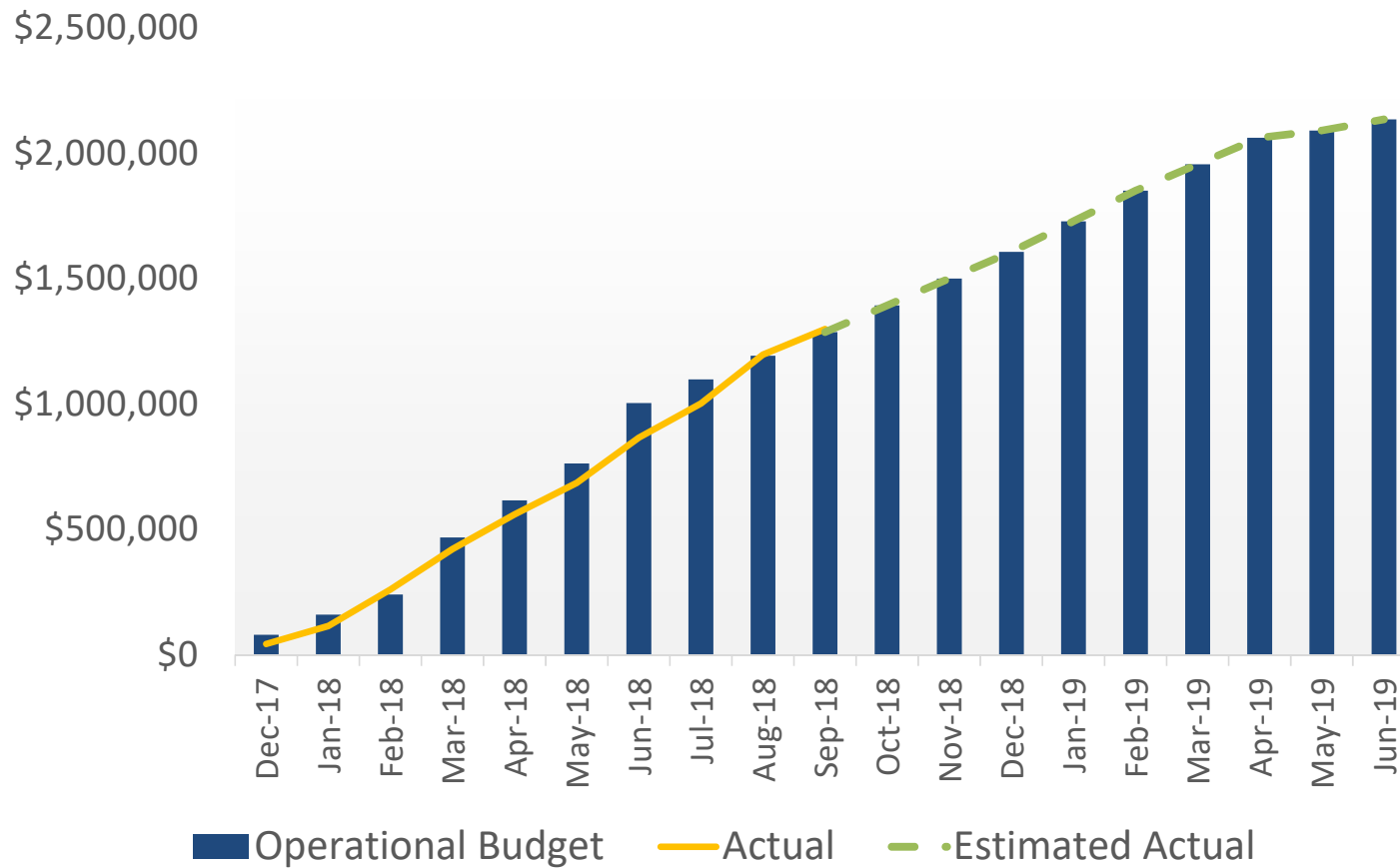


## W&C Budget – Original





## W&C Budget - Operational





TO: Board of Directors  
Agenda Item No. 9b

FROM: Jim Beck, Executive Director

DATE: November 7, 2018

SUBJECT: Financial Report

**Issue**

Financial Report

**Recommended Motion**

None – information only.

**Discussion**

The Cuyama Basin Groundwater Sustainability Agency's (CBGSA) September 30, 2018 Financial Statements report is provided as Attachment 1. An invoice was submitted to the Santa Barbara County Water Agency for reimbursement of administrative work through a grant they have with the California Department of Water Resources. The restated August 31, 2018 Financial Statements report captures this revenue and is provided as Attachment 2.

Attachment 1 and 2 include:

- Statement of Financial Position
- Receipts and Disbursements
- A/R Aging Summary
- A/P Aging Summary
- Statement of Operations with Budget Variance
- 2018/2019 Operational Budget



**CUYAMA BASIN GSA**

**SEPTEMBER 30, 2018**

**FINANCIAL STATEMENTS**

**CUYAMA BASIN GSA**  
**Statement of Financial Position**  
**As of September 30, 2018**

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	<u>Sep 30, 18</u>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
Chase - General Checking	35,451
<b>Total Checking/Savings</b>	35,451
<b>Accounts Receivable</b>	
Accounts Receivable	69,171
<b>Total Accounts Receivable</b>	69,171
<b>Total Current Assets</b>	104,622
<b>TOTAL ASSETS</b>	<u>104,622</u>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Accounts Payable	
Accounts Payable	674,295
<b>Total Accounts Payable</b>	674,295
<b>Total Current Liabilities</b>	674,295
<b>Total Liabilities</b>	674,295
<b>Equity</b>	
Unrestricted Net Assets	-106,412
Net Income	-463,261
<b>Total Equity</b>	-569,673
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u>104,622</u>



**CUYAMA BASIN GSA**  
**Receipts and Disbursements**  
**As of September 30, 2018**

Type	Date	Num	Name	Debit	Credit
<b>Chase - General Checking</b>					
Payment	07/02/2018	11366440	County of Kern	38,567.66	
Payment	07/05/2018	1001819148	County of Ventura	18,451.08	
Payment	07/05/2018	1039	Cuyama Basin Water District	387,307.44	
Payment	07/09/2018	9706702	Santa Barbara County Water Agency	56,306.25	
Payment	07/16/2018	10575	Cuyama Community Services District	3,251.50	
Bill Pmt -Check	07/18/2018	1006	HGCPM, Inc.		80,730.24
Bill Pmt -Check	07/18/2018	1007	Klein, DeNatale, Goldner		18,598.06
Bill Pmt -Check	07/18/2018	1008	Woodard & Curran		394,461.11
Payment	08/31/2018	10615	Cuyama Community Services District	2,982.30	
Check	09/30/2018	Fees	Chase Bank		95.00
Total Chase - General Checking				506,866.23	493,884.41
<b>TOTAL</b>				<b>506,866.23</b>	<b>493,884.41</b>

**CUYAMA BASIN GSA  
A/R Aging Summary  
As of September 30, 2018**

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
County of San Luis Obispo	0	0	0	18,451	20,117	38,568
Santa Barbara County Water Agency	30,603	0	0	0	0	30,603
<b>TOTAL</b>	<b>30,603</b>	<b>0</b>	<b>0</b>	<b>18,451</b>	<b>20,117</b>	<b>69,171</b>



**CUYAMA BASIN GSA**  
**A/P Aging Summary**  
**As of September 30, 2018**

---

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
HGCPM, Inc.	17,934	19,175	16,902	0	0	54,012
Klein, DeNatale, Goldner	1,778	3,366	2,417	0	0	7,561
Woodard & Curran	101,772	195,124	135,300	180,526	0	612,722
<b>TOTAL</b>	<b><u>121,484</u></b>	<b><u>217,666</u></b>	<b><u>154,619</u></b>	<b><u>180,526</u></b>	<b><u>0</u></b>	<b><u>674,295</u></b>

# CUYAMA BASIN GSA

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## Statement of Operations with Budget Variance

July through September 2018

	Jul - Sep 18	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>Direct Public Funds</b>				
Participant Assessments	30,603	0	30,603	100%
<b>Total Direct Public Funds</b>	30,603	0	30,603	100%
<b>Total Income</b>	30,603	0	30,603	100%
<b>Cost of Goods Sold</b>				
<b>Program Expenses</b>				
<b>Category/Component 1</b>				
Monitoring/AMP Implementation	180,157	121,524	58,633	148%
<b>Total Category/Component 1</b>	180,157	121,524	58,633	148%
<b>Category/Component 2</b>				
GSP Development	252,039	228,615	23,424	110%
<b>Total Category/Component 2</b>	252,039	228,615	23,424	110%
<b>Total Program Expenses</b>	432,197	350,139	82,058	123%
<b>Total COGS</b>	432,197	350,139	82,058	123%
<b>Gross Profit</b>	-401,593	-350,139	-51,454	115%
<b>Expense</b>				
<b>Administration and Operation</b>				
<b>Administrative Overhead</b>				
Bank Service Fees	95	0	95	100%
Legal	7,561	10,500	-2,939	72%
Other Admin Expense	0	500	-500	0%
Postage and Mailing Services	0	5,000	-5,000	0%
Travel, Conferences, Trainings	0	1,250	-1,250	0%
<b>Total Administrative Overhead</b>	7,656	17,250	-9,594	44%
<b>Staff and Administration of GSA</b>				
<b>Executive Director - TO1</b>				
CBGSA Outreach	2,650	6,600	-3,950	40%
Consult Mgmt and GSP Devel	9,275	10,950	-1,675	85%
Financial Information Coor	3,225	2,550	675	126%
GSA BOD Meetings	26,850	13,050	13,800	206%
<b>Total Executive Director - TO1</b>	42,000	33,150	8,850	127%
<b>Executive Director - TO2</b>				
Budget Devel and Admin	75	0	75	100%
Financial Management	5,475	9,160	-3,685	60%
Outreach Facilitation	4,800	4,050	750	119%
Travel and Direct Costs	1,662	705	957	236%
<b>Total Executive Director - TO2</b>	12,012	13,915	-1,903	86%
<b>Total Staff and Administration of GSA</b>	54,012	47,065	6,947	115%
<b>Total Administration and Operation</b>	61,667	64,315	-2,648	96%
<b>Total Expense</b>	61,667	64,315	-2,648	96%
<b>Net Ordinary Income</b>	-463,261	-414,454	-48,807	112%
<b>Net Income</b>	-463,261	-414,454	-48,807	112%



**CUYAMA BASIN GSA**  
**2018/2019 Operational Budget**  
 July 2018 through June 2019

	Jul '18 - Jun 19
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Direct Public Funds</b>	
Grants	1,966,858
<b>Total Direct Public Funds</b>	1,966,858
<b>Total Income</b>	1,966,858
<b>Cost of Goods Sold</b>	
<b>Program Expenses</b>	
<b>Category/Component 1</b>	
Grant Administration	13,104
Monitoring/AMP Implementation	472,989
<b>Total Category/Component 1</b>	486,093
<b>Category/Component 2</b>	
Grant Administration	25,434
GSP Development	889,032
<b>Total Category/Component 2</b>	914,466
<b>Total Program Expenses</b>	1,400,559
<b>Total COGS</b>	1,400,559
<b>Gross Profit</b>	566,299
<b>Expense</b>	
<b>Administration and Operation</b>	
<b>Administrative Overhead</b>	
General Liability Insurance	12,108
Legal	42,000
Other Admin Expense	2,000
Postage and Mailing Services	20,000
Travel, Conferences, Trainings	5,000
<b>Total Administrative Overhead</b>	81,108
<b>Staff and Administration of GSA</b>	
<b>Executive Director - TO1</b>	
CBGSA Outreach	26,400
Consult Mgmt and GSP Devel	43,800
Financial Information Coord	10,200
GSA BOD Meetings	52,200
<b>Total Executive Director - TO1</b>	132,600
<b>Executive Director - TO2</b>	
Budget Devel and Admin	6,700
Financial Management	38,120
Outreach Facilitation	16,200
Travel and Direct Costs	2,820
<b>Total Executive Director - TO2</b>	63,840
<b>Total Staff and Administration of GSA</b>	196,440
<b>Total Administration and Operation</b>	277,548
<b>Total Expense</b>	277,548
<b>Net Ordinary Income</b>	288,751
<b>Net Income</b>	288,751

# **CUYAMA BASIN GSA**

**AUGUST 31, 2018**

## **FINANCIAL STATEMENTS**

*(Restated to Include \$30,603 Invoice to Santa Barbara County Water Agency)*



**CUYAMA BASIN GSA**  
**Statement of Financial Position**  
As of August 31, 2018

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112

	<u>Aug 31, 18</u>
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
Chase - General Checking	35,546
Total Checking/Savings	35,546
Accounts Receivable	
Accounts Receivable	69,171
Total Accounts Receivable	69,171
Total Current Assets	104,717
<b>TOTAL ASSETS</b>	<u><u>104,717</u></u>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	552,811
Total Accounts Payable	552,811
Total Current Liabilities	552,811
Total Liabilities	552,811
Equity	
Unrestricted Net Assets	-106,412
Net Income	-341,682
Total Equity	-448,093
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u><u>104,717</u></u>

**CUYAMA BASIN GSA**  
**Receipts and Disbursements**  
**As of August 31, 2018**

113

Type	Date	Num	Name	Debit	Credit
<b>Chase - General Checking</b>					
Payment	07/02/2018	11366440	County of Kern	38,567.66	
Payment	07/05/2018	1001819148	County of Ventura	18,451.08	
Payment	07/05/2018	1039	Cuyama Basin Water District	387,307.44	
Payment	07/09/2018	9706702	Santa Barbara County Water Agency	56,306.25	
Payment	07/16/2018	10575	Cuyama Community Services District	3,251.50	
Bill Pmt -Check	07/18/2018	1006	HGCPM, Inc.		80,730.24
Bill Pmt -Check	07/18/2018	1007	Klein, DeNatale, Goldner		18,598.06
Bill Pmt -Check	07/18/2018	1008	Woodard & Curran		394,461.11
Payment	08/31/2018	10615	Cuyama Community Services District	2,982.30	
Total Chase - General Checking				506,866.23	493,789.41
<b>TOTAL</b>				<b>506,866.23</b>	<b>493,789.41</b>



**CUYAMA BASIN GSA**  
**A/R Aging Summary**  
As of August 31, 2018

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	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
County of San Luis Obispo	0	0	18,451	0	20,117	38,568
Santa Barbara County Water Agency	30,603	0	0	0	0	30,603
<b>TOTAL</b>	<b>30,603</b>	<b>0</b>	<b>18,451</b>	<b>0</b>	<b>20,117</b>	<b>69,171</b>

**CUYAMA BASIN GSA**  
**A/P Aging Summary**  
As of August 31, 2018

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
HGCPM, Inc.	19,175	16,902	0	0	0	36,078
Klein, DeNatale, Goldner	3,366	2,417	0	0	0	5,783
Woodard & Curran	195,124	135,300	180,526	0	0	510,950
<b>TOTAL</b>	<b><u>217,666</u></b>	<b><u>154,619</u></b>	<b><u>180,526</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>552,811</u></b>



**CUYAMA BASIN GSA**  
**Statement of Operations with Budget Variance**  
**July through August 2018**

116

	Jul - Aug 18	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>Direct Public Funds</b>				
Participant Assessments	30,603	0	30,603	100%
<b>Total Direct Public Funds</b>	30,603	0	30,603	100%
<b>Total Income</b>	30,603	0	30,603	100%
<b>Cost of Goods Sold</b>				
<b>Program Expenses</b>				
<b>Category/Component 1</b>				
Monitoring/AMP Implementation	104,597	81,016	23,581	129%
<b>Total Category/Component 1</b>	104,597	81,016	23,581	129%
<b>Category/Component 2</b>				
GSP Development	225,827	152,410	73,417	148%
<b>Total Category/Component 2</b>	225,827	152,410	73,417	148%
<b>Total Program Expenses</b>	330,424	233,426	96,998	142%
<b>Total COGS</b>	330,424	233,426	96,998	142%
<b>Gross Profit</b>	-299,821	-233,426	-66,395	128%
<b>Expense</b>				
<b>Administration and Operation</b>				
<b>Administrative Overhead</b>				
Legal	5,783	7,000	-1,217	83%
Other Admin Expense	0	330	-330	0%
Postage and Mailing Services	0	3,000	-3,000	0%
Travel, Conferences, Trainings	0	830	-830	0%
<b>Total Administrative Overhead</b>	5,783	11,160	-5,377	52%
<b>Staff and Administration of GSA</b>				
<b>Executive Director - TO1</b>				
CBGSA Outreach	1,213	4,400	-3,188	28%
Consult Mgmt and GSP Devel	6,300	7,300	-1,000	86%
Financial Information Coor	2,325	1,700	625	137%
GSA BOD Meetings	18,413	8,700	9,713	212%
<b>Total Executive Director - TO1</b>	28,250	22,100	6,150	128%
<b>Executive Director - TO2</b>				
Budget Devel and Admin	75	0	75	100%
Financial Management	3,300	3,440	-140	96%
Outreach Facilitation	3,175	2,700	475	118%
Travel and Direct Costs	1,278	470	808	272%
<b>Total Executive Director - TO2</b>	7,828	6,610	1,218	118%
<b>Total Staff and Administration of GSA</b>	36,078	28,710	7,368	126%
<b>Total Administration and Operation</b>	41,860	39,870	1,990	105%
<b>Total Expense</b>	41,860	39,870	1,990	105%
<b>Net Ordinary Income</b>	-341,682	-273,296	-68,386	125%
<b>Net Income</b>	-341,682	-273,296	-68,386	125%

**CUYAMA BASIN GSA**  
**2018/2019 Operational Budget**  
 July 2018 through June 2019

	Jul '18 - Jun 19
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Direct Public Funds</b>	
Grants	1,966,858
<b>Total Direct Public Funds</b>	1,966,858
<b>Total Income</b>	1,966,858
<b>Cost of Goods Sold</b>	
<b>Program Expenses</b>	
<b>Category/Component 1</b>	
Grant Administration	13,104
Monitoring/AMP Implementation	472,989
<b>Total Category/Component 1</b>	486,093
<b>Category/Component 2</b>	
Grant Administration	25,434
GSP Development	889,032
<b>Total Category/Component 2</b>	914,466
<b>Total Program Expenses</b>	1,400,559
<b>Total COGS</b>	1,400,559
<b>Gross Profit</b>	566,299
<b>Expense</b>	
<b>Administration and Operation</b>	
<b>Administrative Overhead</b>	
General Liability Insurance	12,108
Legal	42,000
Other Admin Expense	2,000
Postage and Mailing Services	20,000
Travel, Conferences, Trainings	5,000
<b>Total Administrative Overhead</b>	81,108
<b>Staff and Administration of GSA</b>	
<b>Executive Director - TO1</b>	
CBGSA Outreach	26,400
Consult Mgmt and GSP Devel	43,800
Financial Information Coord	10,200
GSA BOD Meetings	52,200
<b>Total Executive Director - TO1</b>	132,600
<b>Executive Director - TO2</b>	
Budget Devel and Admin	6,700
Financial Management	38,120
Outreach Facilitation	16,200
Travel and Direct Costs	2,820
<b>Total Executive Director - TO2</b>	63,840
<b>Total Staff and Administration of GSA</b>	196,440
<b>Total Administration and Operation</b>	277,548
<b>Total Expense</b>	277,548
<b>Net Ordinary Income</b>	288,751
<b>Net Income</b>	288,751





TO: Board of Directors  
Agenda Item No. 9c

FROM: Jim Beck, Executive Director

DATE: November 7, 2018

SUBJECT: Payment of Bills

**Issue**

Consider approving the payment of bills for September 2018.

**Recommended Motion**

Approve payment of the bills through the month of September 2018 in the amount of \$121,484.17.

**Discussion**

Consultant invoices for the month of September 2018 are provided as Attachment 1.



1901 Royal Oaks Drive  
Suite 200  
Sacramento, CA 95815

## INVOICE

916 923.1500  
hgcpm.com

To: Cuyama Basin GSA  
c/o Jim Beck  
4900 California Avenue, Ste B  
Bakersfield, CA 93309

Please Remit To: **Hallmark Group**  
1901 Royal Oaks Drive, Suite 200  
Sacramento, CA 95815  
P: (916) 923-1500

Invoice No.: 2018-CBWD-TO1-09A  
Task Order: HG-001  
Date: October 10, 2018

For professional services rendered for the month of September 2018

Task Order	Sub task	Task Description	Billing Classification	Hours	Rate	Amount
HG-001	1	GSA Board of Directors and Advisory Committee Meetings	Executive Director	16.25	\$ 250.00	\$ 4,062.50
			Project Coordinator/Admin	43.75	\$ 100.00	\$ 4,375.00
<b>Total Task 1 Labor</b>						<b>\$ 8,437.50</b>
HG-001	2	Consultant Management and GSP Development	Executive Director	3.50	\$ 250.00	\$ 875.00
			Project Coordinator/Admin	21.00	\$ 100.00	\$ 2,100.00
<b>Total Task 2 Labor</b>						<b>\$ 2,975.00</b>
HG-001	3	Financial Information Coordination	Executive Director	1.00	\$ 250.00	\$ 250.00
			Project Controls	0.00	\$ 200.00	\$ -
			Project Coordinator/Admin	6.50	\$ 100.00	\$ 650.00
<b>Total Task 3 Labor</b>						<b>\$ 900.00</b>
HG-001	4	CBGSA Outreach	Executive Director	5.75	\$ 250.00	\$ 1,437.50
			Project Coordinator/Admin	0.00	\$ 100.00	\$ -
<b>Total Task 4 Labor</b>						<b>\$ 1,437.50</b>
<b>Total Labor</b>						<b>\$ 13,750.00</b>
Travel			09/05/18, 09/27/18			\$ 135.16
Other Direct Costs:			Conference Calls			\$ 146.10
			Printing - Board Meeting			\$ 54.70
			Printing - SAC Committee			\$ 36.30
<b>SubTotal Travel and Other Direct Costs</b>						<b>\$ 372.26</b>
ODC Mark Up					5%	\$ 11.86
<b>Total Travel and Other Direct Costs</b>						<b>\$ 384.12</b>
<b>TOTAL AMOUNT DUE FOR THIS INVOICE</b>						<b>\$ 14,134.12</b>

HG-001	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
Task 1	\$ 63,000.00	\$ -	\$ 63,000.00	\$ 94,627.79	\$ 8,437.50	\$ (40,065.29)
Task 2	\$ 54,750.00	\$ -	\$ 54,750.00	\$ 28,606.06	\$ 2,975.00	\$ 23,168.94
Task 3	\$ 12,750.00	\$ -	\$ 12,750.00	\$ 9,562.50	\$ 900.00	\$ 2,287.50
Task 4	\$ 31,500.00	\$ -	\$ 31,500.00	\$ 4,241.86	\$ 1,437.50	\$ 25,820.64
Travel & ODCs	\$ 3,750.00	\$ -	\$ 3,750.00	\$ 4,148.83	\$ 384.12	\$ (782.94)
Insurance	\$ -	\$ 2,451.00	\$ 2,451.00	\$ 2,451.00	\$ -	\$ -
<b>Total</b>	<b>\$ 165,750.00</b>	<b>\$ 2,451.00</b>	<b>\$ 168,201.00</b>	<b>\$ 143,638.05</b>	<b>\$ 14,134.12</b>	<b>\$ 10,428.84</b>



# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

## PROGRESS REPORT FOR TASK ORDER CB-HG-001

<b>Client Name:</b>	Cuyama Basin Groundwater Sustainability Agency	<b>Agreement Number:</b>	201709-CB-001
<b>Company Name:</b>	HGCPM, Inc. DBA The Hallmark Group	<b>Address:</b>	1901 Royal Oaks Drive, Suite 200 Sacramento, CA 95815
<b>Task Order Number:</b>	CB-HG-001	<b>Report Period:</b>	September 1-30, 2018
<b>Progress Report Number:</b>	1	<b>Project Manager:</b>	Jim Beck
<b>Invoice Number:</b>	2018-CBWD-TO1-09A	<b>Invoice Date:</b>	October 10, 2018

### SUMMARY OF WORK PERFORMED

#### Task 1: GSA Board of Directors and Advisory Committee Meetings

- Prepared for and attended monthly Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee (SAC) and Board meetings.
- Drafted and prepared documents for the CBGSA SAC and Board of Directors meeting packets.
- Drafted CBGSA SAC and Board minutes.
- Drafted and reviewed SAC and Board agendas.
- Distributed Monitoring Networks.
- Distributed revised draft of Hydrogeologic Conceptual Model.
- Drafted GSP responsibilities memo.

#### Task 2: Consultant Management and GSP Development

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) on a weekly basis to discuss Groundwater Sustainability Plan (GSP) section progress and outreach.
- Coordinated, prepared for, facilitated, and attended Data Management System (DMS) policy meeting
- Reviewed the ad hoc committee's email regarding DMS policy issues.
- Assisted in DMS rollout.
- Reviewed legal counsel's email regarding Public Records Act findings.
- Combined Groundwater Conditions edits and sent to Woodard & Curran.
- Developed GSP schedule graphic.

#### Task 3: Financial Information Coordination

- Billing and administration.

- Reviewed Task Order status.
- Discussed and reviewed operational budget, financials, and billing with Hallmark's J. Harris.
- Discussed grant admin revisions with California Department of Water Resource's A. Regmi.
- Revised Santa Barbara County Water Agency's grant backup.

#### Task 4: CBGSA Outreach

- Prepared for and attended CBGSA public workshop on September 5, 2018.

#### DELIVERABLES AND COMPLETED TASKS

- Developed CBGSA Joint Board and SAC agenda for September 5 and 27, 2018 meetings.
- Attended CBGSA Joint Board and SAC meeting on September 5 and 27, 2018.
- Drafted meeting minutes for Joint Board and SAC meeting on September 5 and 27, 2018.
- Prepared summary of the monthly revenues, expenses, and annual budget status for monthly CBGSA Board meeting.
- Prepared for, meet with, and facilitate CBGSA Program PMT on a weekly basis.
- Developed GSP schedule graphic.
- Drafted GSP responsibilities memo.

#### PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD

- Prepare for and attend CBGSA Board meeting on October 3, 2018.
- Coordinate stakeholder comments for GSP sections.
- Coordinate DWR Technical Support Services application process.

#### SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS

- There are no outstanding issues or challenges at this time.



## CUYAMA PRINTING COSTS

### Board - 9/5/2018

Document	B&W, or Cc Pages	Rate	Cost
Agenda (Board Members)	B&W	30 \$ 0.10	\$ 3.00
Agenda (Public)	B&W	40 \$ 0.10	\$ 4.00
Spanish Presentations	B&W	130 \$ 0.10	\$ 13.00
Sign-in Sheet	B&W	1 \$ 0.10	\$ 0.10
Board Packets	B&W	346 \$ 0.10	\$ 34.60
Total Cost			\$ 54.70

### SAC - 9/27/2018

Document	B&W, or Cc Pages	Rate	Cost
Agenda (SAC Committee)	B&W	30 \$ 0.10	\$ 3.00
Agenda (Public)	B&W	40 \$ 0.10	\$ 4.00
Spanish Presentations	B&W	160 \$ 0.10	\$ 16.00
Sign-in Sheet	Color	1 \$ 0.50	\$ 0.50
SAC Packets	B&W	128 \$ 0.10	\$ 12.80
Total Cost			\$ 36.30

Total Cost	\$ 91.00
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# Project and Person Summary with Expense Detail

Date Range: 9/1/2018 - 9/30/2018

<i>Client</i>	<i>Project</i>	<i>Person</i>	<i>Expense Type</i>	<i>Date</i>	<i>Description</i>	<i>Mileage</i>	<i>Amount</i>
<b>Cuyama Basin Water District</b>							
	<b>1708-CBWD</b>	<b>Cuyama Basin</b>					<b>\$372.26</b>
		<b>Taylor Blakslee</b>					
			<i>Mileage</i>			248.00	\$135.16
				9/5/2018	Mileage to Cuyama from Bakersfield (RT)	124.00	\$67.58
				9/27/2018	Mileage to Cuyama from Bakersfield (RT)	124.00	\$67.58
			<i>Miscellaneous</i>				\$91.00
				9/30/2018	Printing costs for SAC and Board packets.		\$91.00
			<i>Telephone</i>				\$146.10
				9/30/2018	Conference line charges.		\$146.10
					<b>Cuyama Basin Subtotal</b>		<b>\$372.26</b>
					<b>Cuyama Basin Water District Subtotal</b>		<b>\$372.26</b>
					<b>Grand Total</b>		<b>\$372.26</b>





Invoice Date: 10/1/2018

Total: \$487.37

Statement# 36770 Customer# 3122729

HGCPM, Inc. - Formerly Advance Education  
1901 Royal oaks DR  
Sacramento, CA 95815 -0000

Remit to:  
Great America Networks Conferencing  
15700 W. 103rd St  
Suite 110  
Lemont, IL 60439 6608

CALL US  
1-877-438-4261

## Summary

Balance Information	
Previous Balance	464.52
Payments Received - Thank you!	(464.52)
Balance Forward	
New Charges	
New Usage Charges	405.80
Recurring Charges	0.00
Taxes and Surcharges	81.57
Total New Charges	487.37
Total Amount Due	487.37

## Payments

Description	Date	Amount
Payment Received, Thank you!	9/21/18	(464.52)
<b>Subtotal</b>		<b>(\$464.52)</b>

## Taxes and Surcharges

Federal Universal Service Fund	81.57
<b>Subtotal</b>	<b>\$81.57</b>

## Management Reports

### Usage by Category

Description	Calls	Minutes	Charge
Usage - Conference Calling	196	8,116.00	405.80
	196.00	8,116.00	405.80

### Long Distance By Line

TN	Calls	Mins	Charge
	196	8,116.00	405.80
	196	8,116.00	405.80

A	Cuyama Charges:	
	5-Sep	\$18.25
	7-Sep	\$7.65
	14-Sep	\$16.40
	20-Sep	\$9.35
	21-Sep	\$19.70
	21-Sep	\$0.40
	24-Sep	\$2.70
	27-Sep	\$31.60
	28-Sep	\$15.60
<b>B</b>	<b>Cuyama Subtotal</b>	<b>\$121.65</b>
<b>C</b>	<b>Total Conf Line Charge</b>	<b>\$405.80</b>
<b>D</b>	<b>Cuyama % of Bill (B/C)</b>	<b>29.98%</b>
<b>E</b>	<b>Fees</b>	<b>\$81.57</b>
<b>F</b>	<b>Fees Incurred by Cuyama (D*E)</b>	<b>\$24.45</b>
<b>G</b>	<b>Total Cuyama Charge (B+F)</b>	<b>\$146.10</b>

Cuyama BDSAC Conference ID: 4540495

#	Date	Time	Other	Location	Mins	Amt
1	9/05/18	05:40P	8057814109	Participant	153.00	7.65
2	9/05/18	05:58P	9163199159	Host	33.00	1.65
3	9/05/18	05:59P	6617662369	Host	134.00	6.70
4	9/05/18	06:01P	8052174834	Host	45.00	2.25
<b>Subtotal</b>					<b>365.00</b>	<b>18.25</b>

Cuyama BDSAC Conference ID: 4559059

#	Date	Time	Other	Location	Mins	Amt
1	9/20/18	03:57P	6613337091	Host	18.00	.90
2	9/20/18	03:58P	6614773385	Host	39.00	1.95
3	9/20/18	04:00P	6619020795	Host	37.00	1.85
4	9/20/18	04:00P	8318182451	Host	37.00	1.85
5	9/20/18	04:05P	8058867239	Host	33.00	1.65
6	9/20/18	04:15P	6613337091	Host	23.00	1.15
Subtotal						187.00 9.35

Cuyama BDSAC Conference ID: 4567808

#	Date	Time	Other	Location	Mins	Amt
1	9/27/18	05:58P	6617662369	Host	189.00	9.45
2	9/27/18	05:58P	8188826514	Participant	46.00	2.30
3	9/27/18	05:59P	6613951000	Participant	77.00	3.85
4	9/27/18	06:08P	4155242290	Participant	178.00	8.90
5	9/27/18	06:44P	8188826514	Participant	142.00	7.10
Subtotal						632.00 31.60

Cuyama GSA Conference ID: 4543064

#	Date	Time	Other	Location	Mins	Amt
1	9/07/18	11:59A	6614773385	Host	44.00	2.20
2	9/07/18	12:02P	9169998777	Host	41.00	2.05
3	9/07/18	12:05P	9258581340	Host	37.00	1.85
4	9/07/18	12:12P	6613337091	Host	31.00	1.55
Subtotal						153.00 7.65

Cuyama GSA Conference ID: 4551613

#	Date	Time	Other	Location	Mins	Amt
1	9/14/18	12:00P	4155242290	Host	67.00	3.35
2	9/14/18	12:00P	6613337091	Host	66.00	3.30
3	9/14/18	12:00P	9169998777	Host	67.00	3.35
4	9/14/18	12:02P	9258581340	Host	64.00	3.20
5	9/14/18	12:03P	6613321043	Host	64.00	3.20
Subtotal						328.00 16.40

Cuyama GSA Conference ID: 4560155

#	Date	Time	Other	Location	Mins	Amt
1	9/21/18	11:57A	6613337091	Host	58.00	2.90
2	9/21/18	11:57A	9258581340	Host	58.00	2.90
3	9/21/18	11:58A	4157938420	Host	57.00	2.85
4	9/21/18	11:59A	4155242290	Host	56.00	2.80
5	9/21/18	12:00P	5306689282	Host	55.00	2.75
6	9/21/18	12:00P	6613951000	Host	55.00	2.75
7	9/21/18	12:00P	6614773385	Host	55.00	2.75
Subtotal						394.00 19.70

Cuyama GSA Conference ID: 4560360

#	Date	Time	Other	Location	Mins	Amt
1	9/21/18	01:00P	9256274112	Host	8.00	.40
Subtotal						8.00 .40

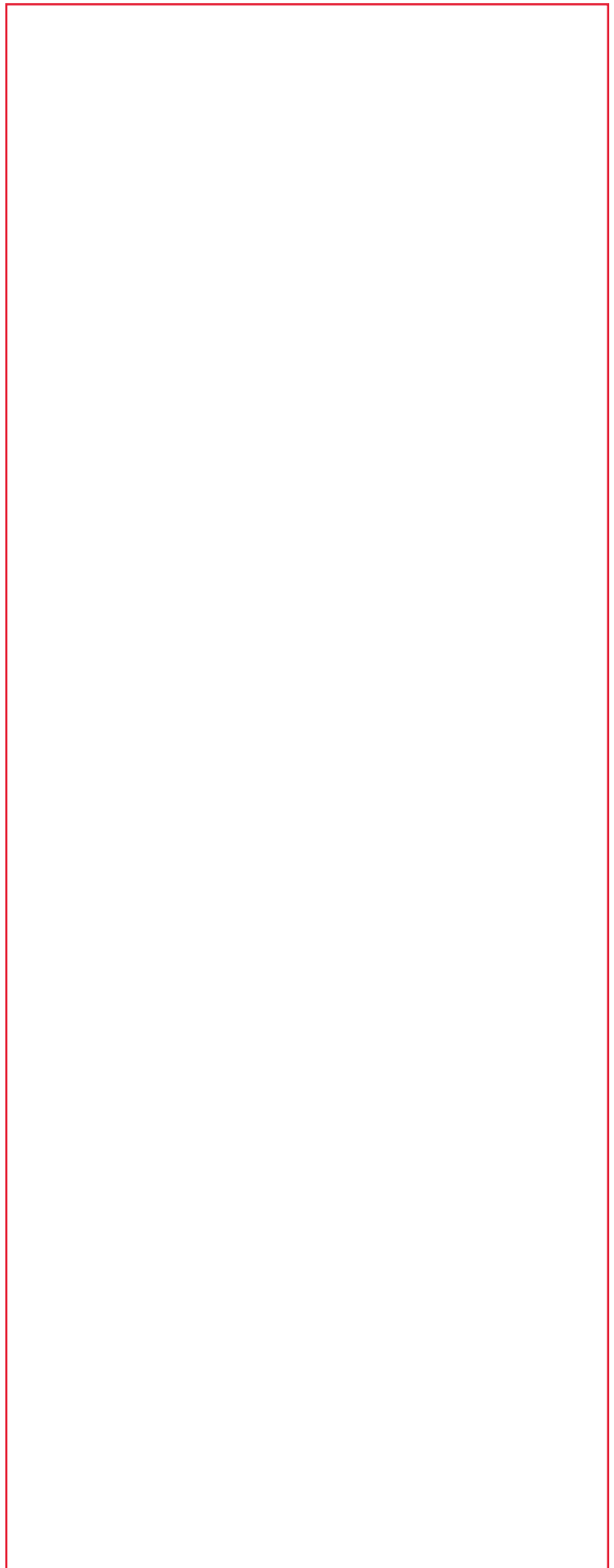
Cuyama GSA Conference ID: 4562183

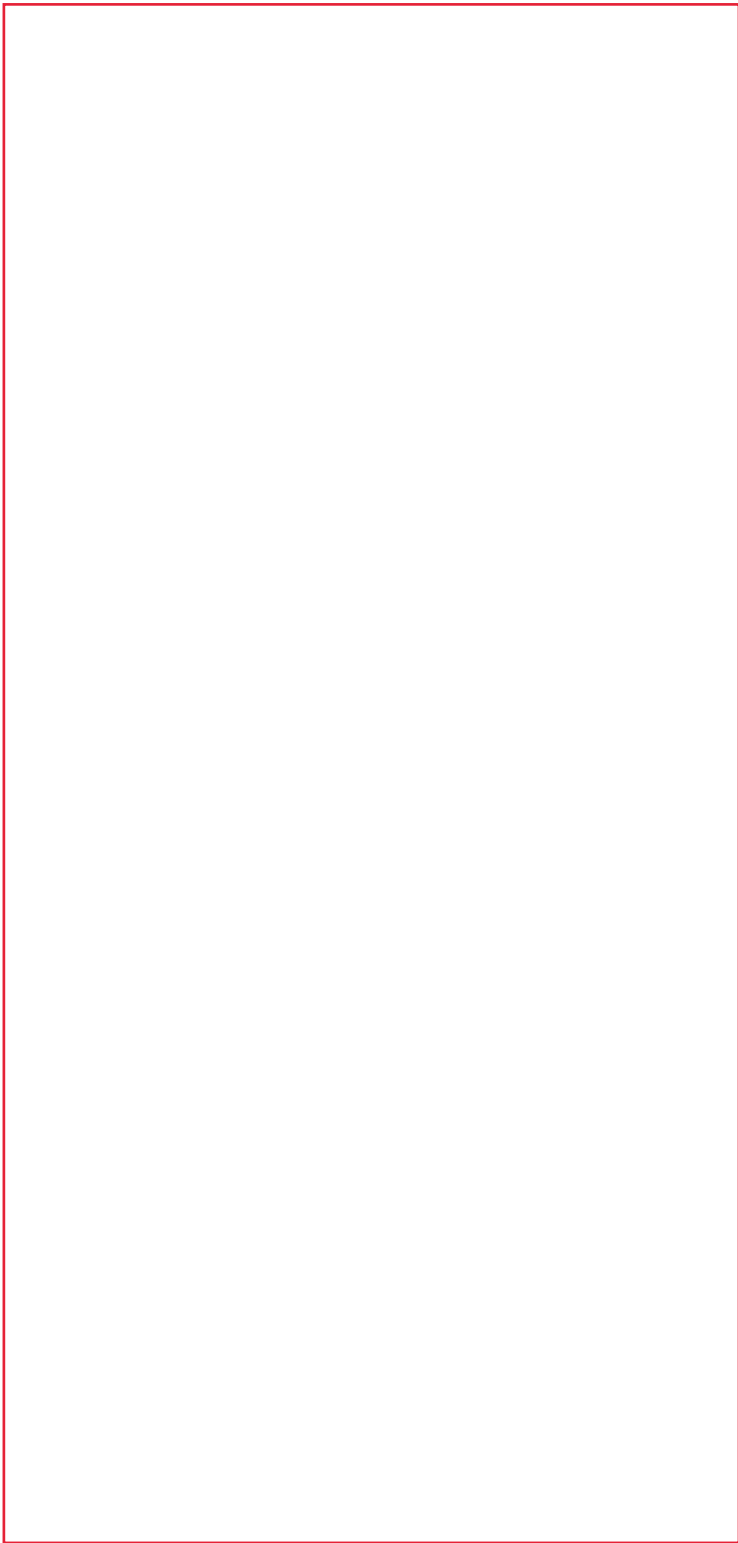
#	Date	Time	Other	Location	Mins	Amt
1	9/24/18	02:27P	6613337091	Host	20.00	1.00
2	9/24/18	02:28P	6614773385	Host	18.00	.90
3	9/24/18	02:30P	6613302610	Host	16.00	.80
Subtotal						54.00 2.70

Cuyama GSA Conference ID: 4568948

#	Date	Time	Other	Location	Mins	Amt
1	9/28/18	11:55A	4157938420	Host	48.00	2.40
2	9/28/18	11:57A	9258581340	Host	47.00	2.35
3	9/28/18	11:58A	6614773385	Host	46.00	2.30
4	9/28/18	11:59A	5306689282	Host	5.00	.25
5	9/28/18	12:00P	4155242290	Host	43.00	2.15
6	9/28/18	12:01P	6613951000	Host	43.00	2.15
7	9/28/18	12:02P	6613337091	Host	41.00	2.05
8	9/28/18	12:05P	5306689282	Host	39.00	1.95
Subtotal						312.00 15.60











## INVOICE

1901 Royal Oaks Drive  
Suite 200  
Sacramento, CA 95815

916 923.1500  
hgcpm.com

**To:** Cuyama Basin GSA  
c/o Jim Beck  
4900 California Avenue, Ste B  
Bakersfield, CA 93309

**Please Remit To:** **Hallmark Group**  
1901 Royal Oaks Drive, Suite 200  
Sacramento, CA 95815  
P: (916) 923-1500

**Invoice No.:** 2018-CBWD-TO2-09A  
**Task Order:** CB-HG-002  
**Date:** October 10, 2018

For professional services rendered for the month of September 2018

Task Order	Sub task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-002	1	Budget Development & Admin	Executive Director	0.00	\$ 250.00	\$ -
			Project Controls Manager	0.00	\$ 200.00	\$ -
			Project Admin	0.00	\$ 100.00	\$ -
			<b>Total Task 1 Labor</b>			
CB-HG-002	2	Financial Management	Executive Director	0.00	\$ 250.00	\$ -
			Project Controls Manager	4.25	\$ 200.00	\$ 850.00
			Project Admin	13.25	\$ 100.00	\$ 1,325.00
			<b>Total Task 2 Labor</b>			
CB-HG-002	3	Outreach Facilitation	Executive Director	0.00	\$ 250.00	\$ -
			Project Admin	16.25	\$ 100.00	\$ 1,625.00
			<b>Total Task 3 Labor</b>			
<b>Total Labor</b>						\$ 3,800.00
ODC - Travel						\$ -
<b>SubTotal Other Direct Costs</b>						\$ -
ODC Mark Up						5% \$ -
<b>Total Other Direct Costs</b>						\$ -
<b>TOTAL AMOUNT DUE FOR THIS INVOICE</b>						\$ 3,800.00

CB-HG-002	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
Task 1	\$ 13,400.00	\$ -	\$ 13,400.00	\$ 8,525.00	\$ -	\$ 4,875.00
Task 2	\$ 28,400.00	\$ -	\$ 28,400.00	\$ 18,662.50	\$ 2,175.00	\$ 7,562.50
Task 3	\$ 32,100.00	\$ (18,450.00)	\$ 13,650.00	\$ 9,362.50	\$ 1,625.00	\$ 2,662.50
Travel & ODCs	\$ 2,820.00	\$ -	\$ 2,820.00	\$ -	\$ -	\$ 2,820.00
<b>Total</b>	\$ 76,720.00	\$ (18,450.00)	\$ 58,270.00	\$ 36,550.00	\$ 3,800.00	\$ 17,920.00

# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

## PROGRESS REPORT FOR TASK ORDER CB-HG-002

<b>Client Name:</b>	Cuyama Basin Groundwater Sustainability Agency	<b>Agreement Number:</b>	201709-CB-001
<b>Company Name:</b>	HGCPM, Inc. DBA The Hallmark Group	<b>Address:</b>	1901 Royal Oaks Drive, Suite 200 Sacramento, Ca 95815
<b>Task Order Number:</b>	CB-HG-002	<b>Report Period:</b>	September 1-30, 2018
<b>Progress Report Number:</b>	1	<b>Project Manager:</b>	Jim Beck
<b>Invoice Number:</b>	2018-CBWD-TO2-09A	<b>Invoice Date:</b>	October 10, 2018

### SUMMARY OF WORK PERFORMED

#### Task 1: Budget Development & Administration

- Nothing to report.

#### Task 2: Financial Management

- Revised Fiscal Year 2018-19 Budget financial statement presentation.
- Processed July 2018 financial statements and accounts payable/receivable.
- Drafted Santa Barbara County Water Agency's grant backup for June 1, 2018 to August 30, 2018.
- Drafted grant admin budget projections for financials and reviewed with California Department of Water Resource's A. Regmi.
- Drafted progress report for Hallmark services.

#### Task 3: Outreach Facilitation

- Coordinated the Cuyama Basin Groundwater Sustainably Agency (CBGSA) website update with minutes, agendas, GSP sections, and presentations.
- Updated CBGSA public stakeholder contact list.
- Discussed outreach with CBGSA Management Team.

### DELIVERABLES AND COMPLETED TASKS

- Drafted progress report for Hallmark services.
- Drafted Santa Barbara County Water Agency's grant backup for June 1, 2018 to August 30, 2018.
- Drafted grant admin budget projections for financials.
- Coordinated the CBGSA website update with minutes, agendas, GSP sections, and presentations.



**PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD**

- Work to finalize DWR grant agreement.

**SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS**

- There are no outstanding issues or challenges at this time.

**KLEIN, DENATALE, GOLDNER  
COOPER, ROSENLIEB & KIMBALL, LLP**

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4550 CALIFORNIA AVENUE  
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BAKERSFIELD, CA 93309

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E-MAIL accounting@kleinlaw.com

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
C/O HALLMARK GROUP  
1901 ROYAL OAKS DRIVE, SUITE 200  
SACRAMENTO, CA 95815

September 28, 2018  
**Bill No. 22930-001-136436**  
JDH

Statement for Period through September 19, 2018

Re: 22930 - CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
001 GENERAL BUSINESS

Date		Services	Hours	Amount
08/21/18	JDH	TELEPHONE CONFERENCE WITH E. CONANT REGARDING DRAFT CONFLICT OF INTEREST CODE.	0.20	54.00
08/31/18	RSP	LEGAL RESEARCH REGARDING APPLICATION OF PUBLIC RECORDS ACT TO DOCUMENTS PROVIDED BY THIRD PARTIES.	0.60	114.00
08/31/18	JDH	WEEKLY PROJECT MANAGEMENT TEAM CALL.	1.20	324.00
09/05/18	JDH	ATTENDED SEPTEMBER REGULAR BOARD MEETING.	4.50	1,215.00
			<b>Rate</b>	<b>Hours</b>
JDH	HUGHES, JOSEPH		270.00	5.90
RSP	PATEL, RAVI		190.00	0.60
<b>Total Fees</b>				<b>\$1,707.00</b>

**Costs and Expenses**

Date	Expenses	Amount
09/07/18	TRAVEL EXPENSES 9/5 ROUND TRIP TRAVEL FOR SEPTEMBER BOARD MEETING - JOSEPH D. HUGHES	70.85
<b>Total Costs and Expenses</b>		<b>\$70.85</b>

**Current Charges** \$1,777.85

Prior Statement Balance 5,782.85

Payments/Adjustments Since Last Bill -0.00

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**



**KLEIN, DENATALE, GOLDNER,  
COOPER, ROSENLIEB & KIMBALL, LLP**

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**Bill No. 22930-001-136436**  
Client Ref: 22930 - 001

**September 28, 2018      Page 2**

**Pay This Amount                      \$7,560.70**

Any Payments Received After September 28, 2018 Will Appear on Your Next Statement

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**



COMMITMENT & INTEGRITY  
DRIVE RESULTS

Remit to:  
PO Box 55008  
Boston, MA 02205-5008

T 800.426.4262  
T 207.774.2112  
F 207.774.6635

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INVOICE

TD BANK  
Electronic Transfer:  
⑆211274450 ⑆2427662596⑆

Jim Beck  
Executive Director  
Cuyama Basin Groundwater Sustainability Agency  
c/o Hallmark Group  
1901 Royal Oaks Drive, Suite 200  
Sacramento, CA 95815

October 23, 2018  
Project No: 0011078.01  
Invoice No: 155666

Project 0011078.01 CUYAMA GSP

**Professional Services for the period ending September 28, 2018**

Phase 002 Data Management System, Data Collection and Analysis, and Plan Review

**Professional Personnel**

	Hours	Rate	Amount	
Geologist 2				
Salberg, Lauren	1.25	182.00	227.50	
National Practice Lead				
Melton, Lyndel	1.00	315.00	315.00	
Project Manager 2				
Ayres, John	14.00	258.00	3,612.00	
Van Lienden, Brian	7.00	258.00	1,806.00	
Senior Project Manager				
Long, Jeanna	6.25	274.00	1,712.50	
Totals	29.50		7,673.00	
<b>Labor Total</b>				<b>7,673.00</b>
				<b>Total this Phase</b>
				<b>\$7,673.00</b>

Phase 004 Basin Model and Water Budget

**Professional Personnel**

	Hours	Rate	Amount
Engineer 1			
Zhou, Jingnan	3.50	157.00	549.50
Engineer 2			
Ceyhan, Mahmut	63.25	182.00	11,511.50
Wicks, Matthew	.50	182.00	91.00
National Practice Lead			
Melton, Lyndel	2.00	315.00	630.00
Planner 2			
Eggleton, Charles	3.00	182.00	546.00

Project	0011078.01	CUYAMA GSP	Invoice	155666
Project Manager 2				
	Cayar, Mesut	1.00	258.00	258.00
	Van Lienden, Brian	12.00	258.00	3,096.00
Senior Technical Manager				
	Taghavi, Ali	25.00	274.00	6,850.00
Senior Technical Practice Lead				
	Taghavi, Ali	12.00	301.00	3,612.00
	Totals	122.25		27,144.00
	<b>Labor Total</b>			<b>27,144.00</b>
<b>Consultant</b>				
Subcontractor Expense				
	9/28/2018	Davids Engineering, Inc.	Inv#1174.02-3187	3,492.50
		<b>Consultant Total</b>	<b>1.1 times</b>	<b>3,492.50</b>
				<b>3,841.75</b>
			<b>Total this Phase</b>	<b>\$30,985.75</b>

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Phase 005 Establish Basin Sustainability Criteria

**Professional Personnel**

	Hours	Rate	Amount	
National Practice Lead				
	Melton, Lyndel	4.00	315.00	1,260.00
Planner 2				
	Eggleton, Charles	16.50	182.00	3,003.00
Project Manager 2				
	Ayres, John	24.00	258.00	6,192.00
	Totals	44.50		10,455.00
	<b>Labor Total</b>			<b>10,455.00</b>
			<b>Total this Phase</b>	<b>\$10,455.00</b>

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Phase 006 Monitoring Networks

**Professional Personnel**

	Hours	Rate	Amount	
Planner 2				
	Eggleton, Charles	14.75	182.00	2,684.50
Project Manager 2				
	Van Lienden, Brian	6.00	258.00	1,548.00
	Totals	20.75		4,232.50
	<b>Labor Total</b>			<b>4,232.50</b>
			<b>Total this Phase</b>	<b>\$4,232.50</b>

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Phase 007 Projects and Actions for Sustainability Goals



Project	0011078.01	CUYAMA GSP	Invoice	155666
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**Professional Personnel**

	Hours	Rate	Amount	
Geologist 2				
Salberg, Lauren	.75	182.00	136.50	
National Practice Lead				
Melton, Lyndel	1.50	315.00	472.50	
Planner 2				
Eggleton, Charles	6.50	182.00	1,183.00	
Project Manager 2				
Ayes, John	19.00	258.00	4,902.00	
Van Lienden, Brian	24.00	258.00	6,192.00	
Totals	51.75		12,886.00	
<b>Labor Total</b>				<b>12,886.00</b>
			<b>Total this Phase</b>	<b>\$12,886.00</b>

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Phase	010	Outreach, Education and Communication
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**Professional Personnel**

	Hours	Rate	Amount	
Graphic Artist				
Fox, Adam	4.00	115.00	460.00	
Planner 1				
De Anda, Vanessa	13.75	157.00	2,158.75	
Planner 2				
Eggleton, Charles	28.50	182.00	5,187.00	
Totals	46.25		7,805.75	
<b>Labor Total</b>				<b>7,805.75</b>

**Reimbursable**

Vehicle Expenses				
9/5/2018	De Anda, Vanessa	Meetings		32.39
9/6/2018	De Anda, Vanessa	Meetings		43.14
Meals				
9/5/2018	De Anda, Vanessa	Meetings		12.95
<b>Reimbursable Total</b>			<b>1.1 times</b>	<b>88.48</b>
			<b>Total this Phase</b>	<b>\$7,903.08</b>

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Phase	011	Project Management
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**Professional Personnel**

	Hours	Rate	Amount	
Project Assistant				
Hughart, Desiree	1.25	108.00	135.00	
Project Manager 2				
Van Lienden, Brian	5.00	258.00	1,290.00	
Totals	6.25		1,425.00	
<b>Labor Total</b>				<b>1,425.00</b>
			<b>Total this Phase</b>	<b>\$1,425.00</b>

Project	0011078.01	CUYAMA GSP	Invoice	155666
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Phase 012 GW Monitoring Well Network Expansion (Cat 1 – Task 1)

### Professional Personnel

	Hours	Rate	Amount	
National Practice Lead				
Melton, Lyndel	3.00	315.00	945.00	
Planner 2				
Eggleton, Charles	45.50	182.00	8,281.00	
Software Engineer 1				
Rutaganira, Thierry	12.00	140.00	1,680.00	
Totals	60.50		10,906.00	
<b>Labor Total</b>				<b>10,906.00</b>

### Consultant

Subcontractor Expense				
9/28/2018	The Catalyst Group, Inc.	Inv#348	7,641.02	
<b>Consultant Total</b>		<b>1.1 times</b>	<b>7,641.02</b>	<b>8,405.12</b>

### Reimbursable

Vehicle Expenses				
8/30/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	88.35	
8/31/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	57.48	
9/1/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	91.88	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	49.77	
9/6/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	39.33	
9/7/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	153.99	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	41.44	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	40.64	
9/28/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	89.20	
Travel & Lodging				
8/30/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	12.39	
8/30/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	121.49	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	.58	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	.80	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	.78	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	156.59	
9/5/2018	Van Lienden, Brian	Cuyama GSP Public Workshop	159.29	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	90.89	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	9.09	
Meals				
8/30/2018	Van Lienden, Brian	Cuyama GSP SAC meeting	9.02	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	35.35	
9/27/2018	Van Lienden, Brian	Travel for Cuyama GSP SAC meeting	21.24	
<b>Reimbursable Total</b>		<b>1.1 times</b>	<b>1,385.68</b>	<b>1,524.25</b>
		<b>Total this Phase</b>		<b>\$20,835.37</b>

Project	0011078.01	CUYAMA GSP	Invoice	155666
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Phase	014	Surface Water Monitoring Program (Cat 1 – Task 3)
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**Professional Personnel**

	Hours	Rate	Amount	
National Practice Lead Melton, Lyndel	10.00	315.00	3,150.00	
Planner 2 Eggleton, Charles	5.50	182.00	1,001.00	
Senior Technical Practice Lead Lopezcalva, Enrique	1.50	301.00	451.50	
Totals	17.00		4,602.50	
<b>Labor Total</b>				<b>4,602.50</b>
			<b>Total this Phase</b>	<b>\$4,602.50</b>

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Phase	015	Project Management (Cat 1 – Task 4)
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**Professional Personnel**

	Hours	Rate	Amount	
Project Manager 2 Van Lienden, Brian	3.00	258.00	774.00	
Totals	3.00		774.00	
<b>Labor Total</b>				<b>774.00</b>
			<b>Total this Phase</b>	<b>\$774.00</b>
			<b>Total this Invoice</b>	<b>\$101,772.20</b>

**Outstanding Invoices**

Number	Date	Balance
152397	7/19/2018	180,525.65
153619	8/23/2018	135,300.00
154409	9/19/2018	195,124.42
<b>Total</b>		<b>510,950.07</b>

	Current Fee	Previous Fee	Total
<b>Project Summary</b>	<b>101,772.20</b>	<b>1,195,994.38</b>	<b>1,297,766.58</b>

Approved by:



Brian Van Lienden  
Project Manager  
Woodard & Curran





## Progress Report

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### Cuyama Basin Groundwater Sustainability Plan Development

**Subject:** September 2018 Progress Report

Jim Beck, Executive Director,

**Prepared for:** Cuyama Basin Groundwater Sustainability Agency (CBGSA)

**Prepared by:** Brian Van Lienden, Woodard & Curran

**Reviewed by:** Lyndel Melton, Woodard & Curran

**Date:** October 23, 2018

**Project No.:** 0011078.01

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This progress report summarizes the work performed and project status for the period of September 1, 2018 through September 28, 2018 on the Cuyama Basin Groundwater Sustainability Plan Development project. The work associated with this invoice was performed in accordance with our Consulting Services Agreement dated December 6, 2017, and with Task Orders 2 and 3, issued by CBGSA on March 7, 2018 and Task Orders 4 and 5, issued by the CBGSA on June 6, 2018. Note that Task Order 1, issued by CBGSA on December 6, 2017, was 100% spent as of the March 2018 invoice.

The progress report contains the following sections:

1. Work Performed
2. Budget Status
3. Schedule Status
4. Outstanding Issues to be Coordinated

## 1 Work Performed

A summary of work performed on the project during the current reporting period is provided in Tables 1 and 2 below. Table 1 shows work performed under Task Orders 2 and 4, which include tasks identified in the forthcoming Category 2 grant from the California Department of Water Resources (DWR). Table 2 shows work performed under Task Orders 3 and 5, which includes tasks identified in the forthcoming Category 1 grant from DWR.

**Table 1: Summary of Task/Deliverables Status for Category 2 Tasks (Task Orders 2 and 4)**

Task	Work Completed During the Reporting Period	Work Scheduled for Next Period
<b>Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development</b>	<ul style="list-style-type: none"> <li>Task 1 is completed; no work was undertaken on this task during this reporting period</li> </ul>	<ul style="list-style-type: none"> <li>Task 1 is completed; no further work is anticipated</li> </ul>
<b>Task 2: Data Management System, Data Collection and Analysis, and Plan Review</b>	<ul style="list-style-type: none"> <li>Continued development of data management system (DMS)</li> </ul>	<ul style="list-style-type: none"> <li>Finalize development of the DMS</li> <li>Develop quick start user guide for DMS</li> </ul>
<b>Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions</b>	<ul style="list-style-type: none"> <li>Submitted revised Hydrologic Conceptual Model (HCM) GSP section for Board approval</li> <li>Participated in discussion with Stakeholder Advisory Committee on HCM and Groundwater Conditions GSP sections</li> </ul>	<ul style="list-style-type: none"> <li>Update draft Groundwater Conditions GSP section in response to comments</li> </ul>
<b>Task 4: Basin Model and Water Budget</b>	<ul style="list-style-type: none"> <li>Presented draft historical calibration results at September 5 Public Workshop</li> <li>Continued calibration on Integrated Water Flow Model (IWFM)</li> </ul>	<ul style="list-style-type: none"> <li>Finalize IWFM historical calibration and develop historical water budget estimates</li> </ul>
<b>Task 5: Establish Basin Sustainability Criteria</b>	<ul style="list-style-type: none"> <li>Developed draft presentation materials on sustainability in the Cuyama Basin</li> </ul>	<ul style="list-style-type: none"> <li>Facilitate discussion on sustainability thresholds with Technical Forum, SAC and Board</li> </ul>
<b>Task 6. Monitoring Networks</b>	<ul style="list-style-type: none"> <li>Submitted draft Monitoring Networks GSP section to SAC and Board for review</li> </ul>	<ul style="list-style-type: none"> <li>Update draft Monitoring Networks GSP section in response to comments</li> </ul>
<b>Task 7: Projects and Actions for Sustainability Goals</b>	<ul style="list-style-type: none"> <li>Presented options for projects and actions at September 5 Public Workshop</li> </ul>	<ul style="list-style-type: none"> <li>Continued identification and refinement of potential projects and actions</li> </ul>

Task	Work Completed During the Reporting Period	Work Scheduled for Next Period
<b>Task 8. GSP Implementation</b>	<ul style="list-style-type: none"> <li>No work was completed on this task during this reporting period</li> </ul>	<ul style="list-style-type: none"> <li>No work is anticipated during the next reporting period</li> </ul>
<b>Task 9. GSP Development</b>	<ul style="list-style-type: none"> <li>No work was completed on this task during this reporting period</li> </ul>	<ul style="list-style-type: none"> <li>No work is anticipated during the next reporting period</li> </ul>
<b>Task 10: Education, Outreach and Communication</b>	<ul style="list-style-type: none"> <li>Participated in meetings with CBGSA Board and SAC</li> </ul>	<ul style="list-style-type: none"> <li>Continued participation in meetings with CBGSA Board, SAC and local stakeholders</li> </ul>
<b>Task 11: Project Management</b>	<ul style="list-style-type: none"> <li>Ongoing project management activities</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing project management activities</li> </ul>

**Table 2: Summary of Task/Deliverables Status for Category 1 Tasks (Task Orders 3 and 5)**

Task	Work Completed During the Reporting Period	Work Scheduled for Next Period
<b>Task 12: Groundwater Monitoring Well Network Expansion</b>	<ul style="list-style-type: none"> <li>Discuss with SAC and CBGSA Board existing monitoring well locations and areas where added monitoring may provide value</li> <li>Developed Monitoring Network data gaps description for GSP section</li> <li>Developed application and supporting materials and participated in Ad-hoc conference calls and other coordination for DWR technical support services</li> </ul>	<ul style="list-style-type: none"> <li>Refinement of proposed monitoring well locations</li> </ul>
<b>Task 13: Evapotranspiration Evaluation for Cuyama Basin Region</b>	<ul style="list-style-type: none"> <li>Refinement of land use and METRIC ET estimates in Cuyama Basin model</li> </ul>	<ul style="list-style-type: none"> <li>Continued refinement of land use and METRIC ET estimates in Cuyama Basin model</li> </ul>
<b>Task 14: Surface Water Monitoring Program</b>	<ul style="list-style-type: none"> <li>No work was completed on this task during this reporting period</li> </ul>	<ul style="list-style-type: none"> <li>Identification of surface water monitoring locations and gaps</li> </ul>
<b>Task 15: Category 1 Project Management</b>	<ul style="list-style-type: none"> <li>Ongoing project management activities</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing project management activities</li> </ul>



## 2 Budget Status

Table 3 shows the percent spent for each task under Task Order 1. 100% of the available Task Order 1 budget has been expended (\$321,135.00 out of \$321,135).

**Table 3: Budget Status for Task Order 1**

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
1	\$ 35,768.00	\$ 35,755.53	\$ -	\$ 35,755.53	\$ 12.47	100%
2	\$ 61,413.00	\$ 61,413.00	\$ -	\$ 61,413.00	\$ -	100%
3	\$ 45,766.00	\$ 45,766.00	\$ -	\$ 45,766.00	\$ -	100%
4	\$ 110,724.00	\$ 110,724.00	\$ -	\$ 110,724.00	\$ -	100%
5	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
6	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
7	\$ 12,120.00	\$ 12,120.00	\$ -	\$ 12,120.00	\$ -	100%
8	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
9	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
10	\$ 45,420.00	\$ 45,432.47	\$ -	\$ 45,432.47	\$ (12.47)	100%
11	\$ 9,924.00	\$ 9,924.00	\$ -	\$ 9,924.00	\$ -	100%
<b>Total</b>	<b>\$ 321,135.00</b>	<b>\$ 321,135.00</b>	<b>\$ -</b>	<b>\$ 321,135.00</b>	<b>\$ -</b>	<b>100%</b>

Table 4 shows the percent spent for each task under Task Order 2 as of September 28, 2018. 99% of the available Task Order 2 budget has been expended (\$395,242.50 out of \$399,469).

**Table 4: Budget Status for Task Order 2**

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
1	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
2	\$ 48,457.00	\$ 36,558.50	\$ 7,673.00	\$ 44,231.50	\$ 4,225.50	91%
3	\$ 24,182.00	\$ 24,182.00	\$ -	\$ 24,182.00	\$ -	100%
4	\$ 103,880.00	\$ 103,880.00	\$ -	\$ 103,880.00	\$ -	100%
5	\$ 60,676.00	\$ 60,676.00	\$ -	\$ 60,676.00	\$ -	100%
6	\$ 65,256.00	\$ 61,022.50	\$ 4,232.50	\$ 65,255.00	\$ 1.00	100%
7	\$ 36,402.00	\$ 36,402.00	\$ -	\$ 36,402.00	\$ -	100%
8	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
9	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
10	\$ 45,420.00	\$ 45,420.00	\$ -	\$ 45,420.00	\$ -	100%
11	\$ 15,196.00	\$ 15,196.00	\$ -	\$ 15,196.00	\$ -	100%
<b>Total</b>	<b>\$ 399,469.00</b>	<b>\$ 383,337.00</b>	<b>\$ 11,905.50</b>	<b>\$ 395,242.50</b>	<b>\$ 4,226.50</b>	<b>99%</b>

Table 5 shows the percent spent for each task under Task Order 3 as of September 28, 2018. 76% of the available Task Order 3 budget has been expended (\$143,927.50 out of \$188,238).

**Table 5: Budget Status for Task Order 3**

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	\$ 53,244.00	\$ 53,244.00	\$ -	\$ 53,244.00	\$ -	100%
13	\$ 69,706.00	\$ 69,706.00	\$ -	\$ 69,706.00	\$ -	100%
14	\$ 53,342.00	\$ 4,429.00	\$ 4,602.50	\$ 9,031.50	\$ 44,310.50	17%
15	\$ 11,946.00	\$ 11,946.00	\$ -	\$ 11,946.00	\$ -	100%
<b>Total</b>	<b>\$ 188,238.00</b>	<b>\$ 139,325.00</b>	<b>\$ 4,602.50</b>	<b>\$ 143,927.50</b>	<b>\$ 44,310.50</b>	<b>76%</b>

Table 6 shows the percent spent for each task under Task Order 4 as of September 28, 2018. 43% of the available Task Order 4 budget has been expended (\$326,720.91 out of \$764,396).

**Table 6: Budget Status for Task Order 4**

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
1	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
2	\$ 24,780.00	\$ -	\$ -	\$ -	\$ 24,780.00	n/a
3	\$ 26,912.00	\$ 26,894.00	\$ -	\$ 26,894.00	\$ 18.00	100%
4	\$ 280,196.00	\$ 139,109.41	\$ 30,985.75	\$ 170,095.16	\$ 110,100.84	61%
5	\$ 47,698.00	\$ 27,830.57	\$ 10,455.00	\$ 38,285.57	\$ 9,412.43	80%
6	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
7	\$ 117,010.00	\$ 10,642.50	\$ 12,886.00	\$ 23,528.50	\$ 93,481.50	20%
8	\$ 69,780.00	\$ -	\$ -	\$ -	\$ 69,780.00	n/a
9	\$ 91,132.00	\$ -	\$ -	\$ -	\$ 91,132.00	n/a
10	\$ 70,236.00	\$ 48,142.64	\$ 7,903.08	\$ 56,045.72	\$ 14,190.28	80%
11	\$ 36,652.00	\$ 10,446.96	\$ 1,425.00	\$ 11,871.96	\$ 24,780.04	32%
<b>Total</b>	<b>\$ 764,396.00</b>	<b>\$ 263,066.08</b>	<b>\$ 63,654.83</b>	<b>\$ 326,720.91</b>	<b>\$ 437,675.09</b>	<b>43%</b>

Table 7 shows the percent spent for each task under Task Order 5 as of September 28, 2018. 24% of the available Task Order 5 budget has been expended (\$110,740.68 out of \$459,886).

**Table 7: Budget Status for Task Order 5**

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	\$ 196,208.00	\$ 59,336.75	\$ 20,835.37	\$ 80,172.12	\$ 116,035.88	41%
13	\$ 24,950.00	\$ 20,623.51	\$ -	\$ 20,623.51	\$ 4,326.49	83%
14	\$ 204,906.00	\$ -	\$ -	\$ -	\$ 204,906.00	n/a
15	\$ 33,822.00	\$ 9,171.05	\$ 774.00	\$ 9,945.05	\$ 23,876.95	29%
<b>Total</b>	<b>\$ 459,886.00</b>	<b>\$ 89,131.31</b>	<b>\$ 21,609.37</b>	<b>\$ 110,740.68</b>	<b>\$ 349,145.32</b>	<b>24%</b>

### 3 Schedule Status

The project is on schedule. Work authorized under Task Order 1 is complete.

### 4 Outstanding Issues to be Coordinated

There are no outstanding issues at this time.