CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

BOARD OF DIRECTORS MEETING

Board of Directors

Derek Yurosek Chair, Cuyama Basin Water District
Paul Chounet Vice Chair, Cuyama Community Services District
Cory Bantilan Secretary, Santa Barbara County Water Agency
Matt Vickery Treasurer, Cuyama Basin Water District
Byron Albano Cuyama Basin Water District
Lynn Compton County of San Luis Obispo
Zack Scrivner County of Kern
Glenn Shephard County of Ventura
Lorena Stoller Cuyama Basin Water District
Das Williams Santa Barbara County Water Agency
Jane Wooster Cuyama Basin Water District

AGENDA

MAY 4, 2022

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, May 4, 2022, at 4:00 PM at the **Cuyama Recreation District, 4885 Primero St, New Cuyama, CA 93254**. Participate via computer at: https://global.gotomeeting.com/join/203153453, or telephonically at (646) 749-3122, code: 203-153-453#.

Teleconference Locations:

4885 Primero St, New Cuyama, CA 93254	5241 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. 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. Standing Advisory Committee Meeting Report

CONSENT AGENDA

5. Approval of Minutes – March 2, 2022
6. Approval of Payment of Bills for February and March 2022
7. Approval of Financial Report for February and March 2022

ACTION ITEMS

8. Direction on Reconciling Differences in Groundwater Sustainability Plan Versions

9. Direction on Amended Groundwater Sustainability Plan
10. Direction on Governor's Executive Order N-7-22 Regarding Well Permits
11. Direction on Central Management Area Policies
12. Direction on Basin-Wide Water Management Policies
13. Direction on Adaptive Management Actions
14. Direction on Effort to Identify Potential Non-Reporting Pumpers
15. Direction on Meter Requirement Compliance
16. Approval of Fiscal Year 2022-2023 Budget and Review of Cash Flow
17. Approval of Fiscal Year 2022-2023 Consultant Task Orders
18. Direction on Data Management System (DMS) Enhancements
19. Direction on Public Workshop Format

REPORT ITEMS

20. Administrative Updates
    a) Report of the Executive Director
    b) Report of the General Counsel
    c) Update on Development of FY 22-23 Groundwater Extraction Fee
21. Technical Updates
    a) Update on Groundwater Sustainability Plan Activities
    b) Update on Model Refinement
    c) Update on Monitoring Network Implementation
    d) Update on Quarterly Groundwater Conditions Report for April 2022
22. Report of the Ad Hoc Committee
23. Directors' Forum
24. Public comment for Items Not on the Agenda
25. Correspondence

PUBLIC HEARING

26. **PUBLIC HEARING** – Groundwater Extraction Fee (6 p.m.)
27. Consider for Approval Resolution No. 2022-051 Setting a Groundwater Extraction Fee for Fiscal Year 2022-23 and Authorize Invoicing of Landowners
28. Adjourn

2022

Board Ad hoc List

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Adaptive Management	Bantilan Shephard Vickery Yurosek
Aquifer Test	Bantilan Shephard Vickery Wooster
DWR / CBGSA Coordination	Bantilan Chounet Shephard Wooster Yurosek
Fiscal Year 2022-2023 Budget	Bantilan Chounet Vickery Williams Wooster
Grant Review Committee	Bantilan Compton Williams Wooster Yurosek
Management Area Policy	Bantilan Chounet Shephard Vickery Wooster
Meter Implementation	Shephard Vickery Wooster Yurosek
Model Refinement	Bantilan Shephard Vickery Yurosek
New Well Permits Policy	Compton Shephard Stoller Williams Yurosek
Unknown Extractors	Shepard Vickery

Cuyama Basin Groundwater Sustainability Agency
Board of Directors Meeting

March 2, 2022

Draft Meeting Minutes

PRESENT:
Yurosek, Derek – Chair
Chounet, Paul – Vice Chair
Bantilan, Cory – Secretary
Vickery, Matt – Treasurer
Albano, Byron
Scrivner, Zack
Shephard, Glenn
Stoller, Lorena
Williams, Das
Wooster, Jane
Beck, Jim – Executive Director
Hughes, Joe – Legal Counsel

ABSENT:
Compton, Lynn

1. **Call to Order**
   Cuyama Basin Groundwater Sustainability Agency (CBGSA) Chair Derek Yurosek called the meeting to order at 4:00 p.m.

   Hallmark Group Project Manager Taylor Blakslee provided direction on the meeting protocols in facilitating a remote-only meeting.

2. **Roll Call**
   Mr. 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. **Adopt Resolution No. 21-112 Authorizing Use of Teleconferencing for Public Meetings Under AB 361**
   CBGSA Legal Counsel Joe Hughes presented Resolution No. 21-112 that allows for public meetings to meet remotely due to COVID issues.

   MOTION
   Director Chounet made a motion to adopt resolution No. 21-112 authorizing the use of teleconferencing for public meetings under AB 361. The motion was seconded by

Director Shepard, a roll call vote was made and passed with 89%.

AYES:	Albano, Bantilan, Chounet, Scrivner, Shephard, Stoller, Vickery, Williams, Wooster, Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Compton

5. Standing Advisory Committee Meeting Report

SAC Chair Brenton Kelly provided a report on the February 24, 2022, SAC meeting and is included below.

Standing Advisory Committee Report
Meeting Date: February 24th, 2022
Submitted to the CBGSA Board on March 2nd, 2022
By Brenton Kelly, SAC Chair

The Standing Advisory Committee met in a completely virtual format. Committee members Louise Draucker and Robbie Jaffe were absent, but a quorum was present for the four-hour meeting. Jim Beck and Taylor Blakesley were joined by Alex Dominguez and Brian Van Lienden on the call, with 7-10 members of the public.

Beyond the adoption of the previous meeting's minutes there were no further motions made or recommendations offered. Much of the meeting was an informational update and discussion, with many questions raised by the Committee and the public and a range of feedback offered to staff.

7.c. Direction on Historic Pumping Analysis in the Central Management Area
It was suggested by Committee member Debranch that the chart of results from the Historic Pumping Analysis would be more helpful if it also included the acreage amount and the % of total acres by entity.

7.d. Direction on Central Management Area Policies
This item was divided into seven areas of policy development

1. Pumping Reduction Baseline/Starting Point:

Committee Member DeBranch asked if the historic analysis could be used to set the baseline and Mr. Beck said it could be. Others raised issue with this approach. Committee Member Furstenfeld said many of the local landowners are conserving water and doing the right things but the corporate water users have not and will not do the right thing until forced to do so. Chair Kelly expressed shock at the disparity between pumping volumes. By first appearances, something like 80% of the pumping is done by less than 4% of the operators. This would be further informed by the inclusion of the acreage involved and the aggregation of all the Grimmway assets into one entity. If it is the GSA Board's intent to reach an equitable solution, this would suggest a need for a more nuanced solution than a single across-the-board cutback amount based on historic use.

3. Increased Water Use Outside the Central Management Area

Committee Member DeBranch said pumping restrictions limited to the Central Management Area will cause the effect to force additional water use outside the Central Management Area and sustainability needs to be addressed at the basin level. Developing policies to address potential changes in where the water is being extracted from (well head) will be critical to achieving sustainability basin wide. Committee Member DeBranch asked about the GSA authority to limit pumping outside the Central Management Area. Mr. Dominguez said the GSA can limit pumping, but it is important to link management actions to what is listed in the GSP.

4. Central Management Area Boundary (Hydrologic vs Operational)

The discussion revealed the many difficulties of using a Management Area defined by a boundary generated solely from our analytic model outputs. Property boundaries are split; irrigated acreage is not informed by the location of the well, and the changing model output will redraw the lines slightly. Chair Kelly asked if the GSA could create an Operational Boundary that is informed by the analytic model and could accommodate any roads, property lines, well location and well depth. We were then informed that this would be within the Board's discretion.
The discussion continued without specific reference to the last 3 policy development items.
Committee Member Furstenfeld expressed that the GSA should have a moral concern for many of the smaller farmers who have managed to keep their pumping low and that a single across-the- board pumping reduction formula would not be equitable.
Committee Member Gaillard said it would be valuable to know how other GSAs in California have dealt with these issues of equity.
Stakeholder Ms. Carlisle asked why this historical use report was asked for in the first place. She is concerned that the GSA is simply developing an approach that aligns with adjudication methodologies and asked that the reason and motivation for potentially using this methodology be noted and recorded in the Board meeting minutes at the March 2, 2022, Board meeting.

7.e. Approval of Water Year 2021 Annual Report

Chair Kelly asked why the updated Groundwater Conditions Report on Minimum Thresholds was not included and he recommends adding the updated quarterly report.

No recommendation was made by the SAC to approve this report.

The remainder of the agenda included the same updates and reports as those being presented to you now with little substantive discussion.

Lynn Carlisle made two Public Comments for Items Not on the Agenda:
1. Regarding adjudication:
The community is extremely concerned about the impact that the adjudication process will have on the work we have done here with the GSA and on groundwater usage and rights

going forward. We (the CVFRC) are getting flooded with questions and concerns about that impact. I would like to request that at your next meeting of the GSA, we discuss the possibility of hosting a community town hall so that the community can get their questions answered about this issue. We would like to ask that the GSA host such an informational session, as you are the agency that has statutory authority over water. We have been in touch with the DWR on this matter as well as our elected officials. Please place this issue on the next GSA agenda.

2. Regarding GSA board members and leadership:

Please ask (GSA Counsel) Joe Hughes to update the community about the conflict-of-interest issues involved in having two members of the GSA (including its chair) who are also board members for the Cuyama Basin Water District. These same two GSA board members and CBWD board members represent two entities that are suing the GSA and all other landowners in the Cuyama Basin. I would request that Joe Hughes provide the GSA and the community an update offering clarity regarding the Conflict-of-Interest policies of the GSA, specifically addressing the potential conflict describe.

This concludes the SAC report.
Respectfully submitted,
SAC Chair Brenton Kelly

CONSENT AGENDA

7-8. Consent Agenda

Chair Yurosek asked if any Directors wanted to move any of the consent items out to discuss in more detail. Director Vickery asked to move the minutes out for further discussion. Chair Yurosek asked is there was a motion for consent agenda item nos. 7 and 8.

MOTION

Director Wooster made a motion to approve the consent agenda consisting of agenda items: 7. Payment of bills for December 2021 and January 2022, and 8. Financial Reports for December 2021 and January 2022. The motion was seconded by Director Vickery, a roll call vote was made and passed with 89%.

AYES:	Albano, Bantilan, Chounet, Scrivner, Shephard, Stoller, Vickery, Williams, Wooster, Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Compton

6. Approval of Minutes – January 5, 2022

Director Vickery provided the following corrections to the January 5, 2022, Board meeting minutes:

Pg. 5, Section 10 Heading

10. Direction on Management Area Policies in the Central Basin Management Area

Pgs. 6-7, Section 10.1.b.
Director Vickery said he agrees with the 2023 and 2024 5% ~~percent~~ reduction in the Central Management Area, which is consistent with the GSP, and with basing future reductions in the basin on the best data available at the 2025 review.~~revise the data in 2025.~~ However, he disagrees with the ~~methodology~~ approach staff is considering ~~for~~to determin~~eing the methodology for the~~ a separate sustainable yield in the Central Management Area and commented there is only one basin and any sustainable yield should be set basin-wide.~~based on the basin sustainable yield.~~

Pgs. 7-8, Section 10.1.c.
Director Vickery asked if the allocation strategy is just to be applied to the Central Management Area for 2023 and 2024, and not precedent setting for future allocation decisions, and Mr. Beck confirmed this. Director Vickery said he thinks it is important to allocate on irrigated acres or historic pumping and not gross acres~~pumping~~. Director Vickery asked if the analysis could include options for gross acres, irrigated acres and historic pumping.

MOTION
Director Wooster made a motion to approve the amended January 5, 2022, Board meeting minutes. The motion was seconded by Director Bantilan, a roll call vote was made and passed with 89%.

AYES:	Albano, Bantilan, Chounet, Scrivner, Shephard, Stoller, Vickery, Williams, Wooster, Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Compton

ACTION ITEMS

Chair Yurosek moved items 10 and 13 to the beginning of the agenda due to Director availability.

9. Review of Official DWR GSP Determination and Direction for Addressing DWR-Identified Issues by July 20, 2022
Mr. Beck explained the there are several components to the GSP amendment update and Mr. Blakslee will walk through the progression of discussion that occurred on the status of DWR's review of the GSP. He said then Mr. Brian Van Lienden will walk through specific technical components of the review with DWR. He noted that the key today is for the board to provide direction on how to proceed with revising the amended GSP and staff will end discussions by reviewing potential changes or modifications to the GSP, then legal counsel will review the requirements to incorporate those into the GSP.

CBGSA Assistant Executive Director Taylor Blakslee provided an update on key dates that occurred regarding the development of the amended GSP and are provided in the Board packet. He reported that a consultation meeting with DWR was held on February 10, 2022, to review the technical memo developed by the Board to address the four GSP deficiencies identified by DWR.

Chair Yurosek commented the meeting was not intended to be a detailed prescriptive feedback session from DWR and they provided general guidance on what they felt we needed to improve on with our GSP and issues they would like additional information on. He commented that he believes DWR staff has the same goal as the GSA to develop a plan that helps the Cuyama Basin achieve sustainability.

Brian Van Lienden provided updates on the following DWR-identified deficiencies and are included in the Board packet:
Deficiency 1 – The GSP lacks justification for, and effect associated with, the sustainable management criteria for groundwater levels
No specific Director or public comments were made.

Deficiency 2 – the GSP does not fully describe the use of groundwater levels as a proxy for depletion of interconnected surface water
No specific Director or public comments were made.

Deficiency 3 – The GSP does not fully address degraded water quality
Director Vickery asked if DWR was sensitive to existing water quality requirements. Mr. Beck said he believes DWR wants to better understand the ongoing efforts, but believes DWR wants the CBGSA to review all available data and analyze that data as an agency. He added we will have to determine if it is the GSA's responsibility if there are actions that we can actually implement that are appropriate to address any conditions that are yet to be identified. There are a lot of "ifs" down the road for this GSA when it comes to these water quality constituents. He noted that he believes DWR is aware of how early the CBGSA is in the process. Mr. Vickery added that water quality is important but wants to ensure efforts on this are not duplicative to other regulatory agencies. Chair Yurosek asked if existing water quality monitoring programs can be used as a proxy. Mr. Van Lienden replied that he believes DWR is more concerned with what the GSA can, and will, do after analyzing water quality data.

Deficiency 4 – The GSP does not provide explanation for how overdraft will be mitigated in the basin
Director Wooster said DWR asked if we looked at residential wells that could go dry and to quantify those impacts.

Mr. Hughes identified the GSP amendment hearing is scheduled for the July 6, 2022, Board meeting and staff will send out notice to the four counties for this hearing.

SAC Member Robbie Jaffe encouraged the Board to put in the due diligence to develop an GSP that can be approved this will effectively bring the Cuyama Basin into sustainability and noted there is a lot of concern in the community with the GSP and adjudication and hopes the GSA's goal is to amend the GSP to bring the basin into sustainability.

Chair Yurosek replied that it is the goal of the Chair (himself) to work with the Board and staff to submit a GSP that meets and passes the requirements of SGMA.

SAC Chair Kelly reported that local stakeholder Lynn Carlisle met with DWR and they

commented that the adaptive management approach was a plan to make a plan. He said they were concerned of the need to develop a more thorough plan before 2025.

10. Set Date for Public Hearing on GSP Amendment

Mr. Hughes stated in response to the comments from DWR the board anticipates an amendment to the GSP and SGMA requires a public hearing on the adoption of the GSP or any amendment of the GSP. He said it also requires the GSA to inform the affected counties at least 90 days before the hearing on the amendment to the GSP. Although the work on the amendment is not complete, he reported that staff is asking the Board to set the GSP amendment hearing to July 6, 2022, and the notice will be sent out to the counties.

MOTION

Director Bantilan made a motion to set the public GSP hearing for July 6, 2022, at 4 p.m. The motion was seconded by Director Shepard, a roll call vote was made and passed with 89%.

AYES:	Albano, Bantilan, Chounet, Scrivner, Shephard, Stoller, Vickery, Williams, Wooster, Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Compton

11. Direction on Historic Pumping Analysis in the Central Management Area

Mr. Beck reported that at the Board's direction on January 5, 2022, staff analyzed historic pumping by parcel for 1998-2014 in the Central Management Area and reviewed the results with an ad hoc which are provided in the Board packet.

Mr. Beck reported that this information was developed to determine if allocating based on historic use was appropriate. SAC Chair Kelly said Committee DeBranch asked if acreage could be added to the analysis.

Director Albano said this information is good to have, but recent land use changes have resulted in some newer land use, and it is important to consider history and context when using this data.

Director Stoller commented that she believes the numbers are little bit off and asked how the meter reporting will be integrated into this effort. Mr. Beck replied the board has available options, and it has always been the expectation that the actual reporting would be used down the road. Director Williams commented that metering is really the only option to rely on for managing pumping reductions.

Director Vickery commented on the Central Management Area boundary, and how it might change. He commented that it may make more sense to manage at the wellhead, or the point of extraction as opposed to allocations on an acreage basis. Director Yurosek agreed that it makes more sense to manage an allocation based on extractions and metering is the most accurate method. Stakeholder Dan Clifford asked how historical use is used in establishing an allocation.

Mr. Beck replied that historic use may be used to establish a percent of the sustainable yield to individual landowners.

Das Williams left the meeting at 5:20 p.m. and his alternate Darcel Elliott continued the meeting

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Stakeholder Lynn Carlisle asked how historic use is appropriate if that historic use is how the basin was designated as a critically overdraft basin.

12. Direction on Central Management Area Policies

Mr. Beck provided background on the development of policies in the Central Management Area. He reported that at the January 5, 2022, Board meeting, the Board directed staff to develop specific allocation methodologies for pumping reductions in the Central Management Area for 2023 and 2024. Mr. Beck outlined the following seven (7) key policy points that were raised by Directors at previous Board meetings or by Management Area Policy Ad hoc members and are included in the packet. Director and public comments are included below.

1. *Pumping Reduction Baseline/Starting Point*

   Mr. Beck stated the first question for the policy issue is what the baseline is or starting point for pumping reduction. The plan stated we would reduce pumping by five percent a year, which leads us to asking where we are reducing from, what are we reducing to, and how do we get there. Another question is the allocation methodology for pumping reductions and who gets access to the sustainable yield that have been calculated for that area. An approach to the question if we are going to reduce to the starting point, how do you determine which entities should be reduced. The approach is to have a general strategy, but also reserve the opportunity to review special circumstances.

   SAC Chair Kelly provided SAC comments which are included in item number 5.

   Director Albano said it is important to review the history of water use but understand the legal right of a well to pump.

   Director Vickery said he objects to statements that Grimmway has acted poorly regarding water management and asked that those individuals call him and talk through this. He also noted that SGMA is not allowed to alter water rights and he is open to having discussions on this as long as its not altering those rights. He recommended not using a single year but using an average from some period and supports working out a solution with an ad hoc.

   Director Wooster agreed that the baseline should be based on an average and suggests using a 5-year period. She also supported staff's potential option to consider special circumstances.

   Director Albano asked how the Board can make progress on these issues given the complexity of the issues. Jim said the Board essentially has two options, water use or acreage and the Board needs to decide how to use those components or some

combination of those two components.

SAC Member Jaffe asked if the sustainable yield will be established just for the Central Management Area or the whole basin and Mr. Beck replied there can be one for the entire basin and you can do subsets. He noted at this point the model can do both, and it will be up to the Board to determine if there is an overall approach on how they would like to proceed.

Mr. Beck reminded the Board that the purpose of discussing these items is to get a general perspective of the Board members, so that staff can work with an ad hoc to develop more, refined options and alternatives for the board to discuss in detail in subsequent meetings.

Stakeholder Sue Blackshear said she hopes people will try to do the right thing for the basin and look at justice rather than just the law.

2. *Increased Water Use Inside the Central Management Area*
   Director Wooster said she objects the potential option, and it should reference non-irrigated ground instead of fallowed land.

   The Board did not discuss this item in detail but will be addressed in more detail with an ad hoc for review at the May 4, 2022, Board meeting.

3. *Increased Water Use Outside the Central Management Area*
   SAC Chair Kelly provided comment that is provide in agenda item no. 5 above.

   SAC Member Jaffe asked if increased water use occurs outside the Central Management Area would the CBGSA address that increased water use and comment on new well permits. Mr. Beck replied the CBGSA would address any water use that is inconsistent with the GSP. Ms. Jaffe requested the Board consider commenting on new water use.

   Stakeholder Lynn Carlisle asked is the thresholds are intended to guard against over-pumping in the Central Management Area and staff confirmed this.

4. *Central Management Area Boundary (Hydrologic vs Operational)*
   Director Wooster said the idea has been discussed of managing cutbacks tied to the well and this may be the defining factor for this item.

   SAC Chair Kelly provided SAC comments which are included in item no. 5 above.

5. *Management Area Criteria Evaluation*
   No Comments

6. *Administration of Pumping Reduction*
   No Comments.

7. *Non-Compliance/Over-Pumping Enforcement*

No Comments.

13. Approval of Water Year 2021 Annual Report

Mr. Van Lienden provided an overview of the Water Year 2021 Annual Report which is provided in the Board packet. SAC Chair Kelly commented that the SAC discussed this report and noted it would be a helpful admission to include information regarding minimum thresholds in the annual report. Chair Yurosek asked if the report complies with the regulatory requirements of SGMA and Mr. Beck confirmed it does.

MOTION

Director Bantilan made a motion to approve the annual report for Water Year 2021. The motion was seconded by Director Chounet, a roll call vote was made and passed with 89%.

AYES:	Albano, Bantilan, Chounet, Scrivner, Shephard, Stoller, Vickery, Williams, Wooster, Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Compton

14. Direction on Adaptive Management Actions

Mr. Van Lienden provide an overview of adaptive management policies and commented that Provost & Pritchard will be directed to perform field verification for potential dry wells and try to contact well owners that have yet to be contacted.

SAC Chair Kelly commented that it is critical to develop a plan to manage the sustainable criteria's whose wells are outside of the management area.

Mr. Van Lienden also reported that undesirable results for the chronic lowering of groundwater levels (30 percent of representative wells below their minimum thresholds for two (2) consecutive years) may be observed in April 2023 and staff recommends working with an ad hoc to develop potential options for Board consideration on May 4, 2022 and the Board directed staff to work with the ad hoc.

15. Direction on Multipurpose Land Repurposing Program Grant Opportunity

Mr. Beck provided an overview of the Multipurpose Land Repurposing Program Grant Opportunity which is included in the Board packet. He commented on how competitive this grant is and noted the short application timeline.

Director Wooster said she believes the grant is premature for the Cuyama Basin and we may not be in the right place for this type of grant and Director Shephard and Yurosek agreed with Director Wooster.

The Board directed staff not to pursue this grant at this time.

16. Update on Long-Term Groundwater Extraction Fee Equity

Mr. Beck commented that the Board needs to consider whether or not there should be

differential extraction fees within the basin to fund the administrative cost of the GSA. He noted that staff is continuing to collect data to better understand the hydrology of the basin including the current model update. The Board directed staff to consider this topic annually.

REPORT ITEMS

17. Administrative Updates

a. Report of the Executive Director

Mr. Blakslee provided an update on the term schedule. He also reported that staff is following Santa Barbara COVID-19 safety protocols to determine when it is appropriate to meet in-person and expects we will be able to meet in-person soon.

Mr. Blakslee provided an overview of the progress and next steps and the budget to actuals for consultants which are included in the Board packet.

b. Report of the General Counsel

Mr. Hughes provided a brief update on the adjudication and noted that the case was assigned to a court in Los Angeles and a status conference is scheduled for next week. Alternate Director Darcel Elliott asked if an overview of the adjudication process can be provided to the Board. Mr. Hughes said it is up to the Board but cautions since the CBGSA was not named but would update the Board as progress is made.

Robbie asked the CBGSA to step up take responsibility and stop kicking the can down the road. Stakeholder Lynn Carlisle commented that they are not looking for legal advice, but just basic information on the adjudication and what it means. Stakeholder Kathleen March said that Directors that are conflicted should be removed from the Board.

Director Albano asked when it may be the appropriate time to become a party of the adjudication. Mr. Hughes said he is monitoring what is happening with the case and will be advising the CBGSA on when to intervene, if necessary.

c. Report on Fiscal Year 2022-2023 Budget Components

Mr. Beck provided an update on the Fiscal Year 2022-2023 budget component list which is included in the Board packet. He noted that staff will need to analyze the cash flow since several grant funded items will increase the initial budget amount.

d. Update on Meter Requirement Compliance

Mr. Blakslee provided an update on the meter compliance and noted that he has been in communication with the known pumpers and expects 80 percent of those large pumpers will comply with the requirement. He also noted a notice was send to all parcel owners to identify potential non-reporting pumpers.

Chair Yurosek commented that he is concerned with unknown pumpers and asked if there was a plan to identify these unknown pumpers. Mr. Blakslee suggested staff

can review efforts to identify these unknown pumpers with an ad hoc and Chair Yurosek directed staff to do this.

18. Technical Updates

a. Update on Groundwater Sustainability Plan Activities
Mr. Van Lienden provided an update on the Groundwater Sustainability Plan (GSP) activities and the overall project schedule which are included in the Board packet.

b. Update on Model Progress
Mr. Van Lienden provided an update on the model refinement which is included in the Board packet.

c. Update on Monitoring Network Implementation
Mr. Van Lienden provided an update on monitoring network implementation activities which are included in the Board packet.

d. Update on Quarterly Groundwater Conditions Report for January 2022
Mr. Van Lienden provided an update on the groundwater levels for January 2022, which is included in the Board packet.

19. Report of the Ad Hoc Committee
Nothing to report.

20. Directors' Forum
Nothing to report.

21. Public Comment for Items Not on the Agenda
Stakeholder Lynn Carlisle requested an update from Joe Hughes regarding the conflict of interest since some Directors are party to the adjudication. Mr. Hughes commented that there are no new items to report on what has happened in the adjudication or what is happening on the GSA level.

22. Correspondence
Nothing to report.

23. Adjourn
Chair Yurosek adjourned the meeting at 7:56 p.m.

Minutes approved by the Board of Directors of the Cuyama Basin Groundwater Sustainability Agency the 4th day of May 2022.

BOARD OF DIRECTORS OF THE
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair: _____

ATTEST:

Secretary: _____

TO: Board of Directors
Agenda Item No. 6

FROM: Taylor Blakslee, Hallmark Group

DATE: May 4, 2022

SUBJECT: Approval of Payment of Bills for February and March 2022

Issue
Consider approving the payment of bills for February and March 2022.

Recommended Motion
Approve payment of the bills for February and March 2022 in the amount of $177,431.64.

Discussion
Consultant invoices for the months of February and March 2022 are provided as Attachment 1 and summarized below.

Expense	Feb 2022	Mar 2022	Totals
W&C – *Technical*	$55,911.38	$68,365.78	$124,277.16
Hallmark – *Administration*	$20,841.46	$21,003.02	$41,844.48
Klein – *Legal*	$2,314.00	$7,352.00	$9,666.00
P&P – *Quarterly Groundwater level measurements*	$1,644.00	$0.00	$1,644.00
TOTAL			**$177,431.64**

Woodard & Curran

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

T 800.426.4262
T 406.586.8364
F 406.522.8460

TD BANK
Electronic Transfer
⑆211274450⑆ 2427662596⑈

INVOICE

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

April 14, 2022
Project No: 0011078.01
Invoice No: 202895

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending March 25, 2022

Phase 038 FY 21/22 STAKEHOLDER/BOARD ENGAGEMENT

Professional Personnel

		Hours	Rate	Amount	
Project Manager 2					
Van Lienden, Brian		23.00	295.00	6,785.00	
Totals		23.00		6,785.00	
Labor Total					**6,785.00**
				Total this Phase	**$6,785.00**

Phase 039 FY 21/22 OUTREACH

Consultant

Sub - Engineering					
3/25/2022	THE CATALYST GROUP	The Catalyst Group Inv# 645		1,510.00	
Consultant Total			**1.1 times**	**1,510.00**	**1,661.00**
				Total this Phase	**$1,661.00**

Phase 040 FY 21/ 22 SUPPORT FOR DWR TECHNICAL SUPP

Please include our invoice number in your remittance. Thank you.

Project 0011078.01 CUYAMA GSP Invoice 202895

Professional Personnel

	Hours	Rate	Amount	
Project Manager 2				
Van Lienden, Brian	3.00	295.00	885.00	
Totals	3.00		885.00	
Labor Total				**885.00**
			Total this Phase	**$885.00**

Phase 041 FY 21/22 GSP IMPLEMENTATION SUPPORT

Professional Personnel

	Hours	Rate	Amount	
Planner 1				
Meyer, Nolan	10.75	180.00	1,935.00	
Planner 2				
Meyer, Nolan	.50	205.00	102.50	
Planner 3				
Eggleton, Charles	15.75	235.00	3,701.25	
Project Planner 1				
Eggleton, Charles	14.25	245.00	3,491.25	
Senior Project Assistant				
Hughart, Desiree	.50	140.00	70.00	
Totals	41.75		9,300.00	
Labor Total				**9,300.00**
			Total this Phase	**$9,300.00**

Phase 042 FY 21/22 CUYAMA BASIN MODEL REFINEMENT

Professional Personnel

	Hours	Rate	Amount
Engineer 2			
Baer, John	8.50	205.00	1,742.50
Engineer 3			
Poore, Sebastien	.75	235.00	176.25
Roy, Zachary	9.50	235.00	2,232.50
Project Engineer 1			
Ceyhan, Mahmut	10.00	245.00	2,450.00

Project	0011078.01	CUYAMA GSP			Invoice	202895
Project Manager 2						
	Van Lienden, Brian	9.50	295.00	2,802.50		
Senior Technical Practice Leader						
	Taghavi, Ali	5.00	330.00	1,650.00		
	Totals	43.25		11,053.75		
	Labor Total					**11,053.75**
				Total this Phase		**$11,053.75**

Phase 043 FY 21/22 PERFORM AQUIFER TESTING

Professional Personnel

		Hours	**Rate**	**Amount**	
Project Geologist 2					
	Aigler, Brent	13.75	260.00	3,575.00	
Project Manager 2					
	Van Lienden, Brian	4.50	295.00	1,327.50	
Scientist 1					
	Vose, Kirsten	71.50	115.00	8,222.50	
Senior Technical Manager					
	Sturn, Richard	50.50	315.00	15,907.50	
	Totals	140.25		29,032.50	
	Labor Total				**29,032.50**

Reimbursable

Vehicle Expenses				
3/22/2022	Vose, Kirsten	WEGIS Aquifer Testing	128.00	
3/25/2022	Vose, Kirsten	WEGIS Aquifer Testing	103.50	
Travel & Lodging				
3/20/2022	Vose, Kirsten	WEGIS Aquifer Testing	8.38	
3/20/2022	Vose, Kirsten	WEGIS Aquifer Testing	134.10	
3/21/2022	Vose, Kirsten	WEGIS Aquifer Testing	8.38	
3/21/2022	Vose, Kirsten	WEGIS Aquifer Testing	134.10	
3/22/2022	Vose, Kirsten	WEGIS Aquifer Testing	134.10	
3/22/2022	Vose, Kirsten	WEGIS Aquifer Testing	8.38	
3/23/2022	Vose, Kirsten	WEGIS Aquifer Testing	8.38	
3/23/2022	Vose, Kirsten	WEGIS Aquifer Testing	134.10	
3/24/2022	Vose, Kirsten	WEGIS Aquifer Testing	140.40	
3/24/2022	Vose, Kirsten	WEGIS Aquifer Testing	8.78	

Project 0011078.01 CUYAMA GSP Invoice 202895

Meals			
3/20/2022	Vose, Kirsten	WEGIS Aquifer Testing	24.74
3/20/2022	Vose, Kirsten	WEGIS Aquifer Testing	22.27
3/20/2022	Vose, Kirsten	WEGIS Aquifer Testing	24.00
3/21/2022	Vose, Kirsten	WEGIS Aquifer Testing	14.36
3/21/2022	Vose, Kirsten	WEGIS Aquifer Testing	23.00
3/21/2022	Vose, Kirsten	WEGIS Aquifer Testing	16.90
3/22/2022	Vose, Kirsten	WEGIS Aquifer Testing	22.49
3/22/2022	Vose, Kirsten	WEGIS Aquifer Testing	19.50
3/23/2022	Vose, Kirsten	WEGIS Aquifer Testing	22.36
3/23/2022	Vose, Kirsten	WEGIS Aquifer Testing	14.59
3/23/2022	Vose, Kirsten	WEGIS Aquifer Testing	15.00
3/24/2022	Vose, Kirsten	WEGIS Aquifer Testing	16.49
3/24/2022	Vose, Kirsten	WEGIS Aquifer Testing	14.16
3/24/2022	Vose, Kirsten	WEGIS Aquifer Testing	9.76
3/25/2022	Vose, Kirsten	WEGIS Aquifer Testing	22.00
3/25/2022	Vose, Kirsten	WEGIS Aquifer Testing	21.48
Airfare			
3/19/2022	Vose, Kirsten	WEGIS Aquifer Testing	30.00
Field Equipment			
3/11/2022	EQUIPCO	Damage Waiver for Shipping	10.00
3/11/2022	EQUIPCO	Damage Waiver for Shipping	10.00
3/11/2022	EQUIPCO	Solinst Water Level Meter, 1000' P6	120.00
3/11/2022	EQUIPCO	UPS Next Day Saver	179.97
3/11/2022	EQUIPCO	UPS Next Day Saver	179.97
3/25/2022	IN-SITU INC	Level TROLL 700, 30 psig	193.95
3/25/2022	IN-SITU INC	Level TROLL 700, 5 psig	193.95
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	155.16
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	155.16
3/25/2022	IN-SITU INC	Large Desiccant	25.86
3/25/2022	IN-SITU INC	Level TROLL 700, 5 psig	258.60
3/25/2022	IN-SITU INC	Large Desiccant	25.86
3/25/2022	IN-SITU INC	Large Desiccant	25.86
3/25/2022	IN-SITU INC	Large Desiccant	25.86
3/25/2022	IN-SITU INC	Baro TROLL	206.88
3/25/2022	IN-SITU INC	Water Level Meter 200, 200 ft	103.44

Project 0011078.01 CUYAMA GSP Invoice 202895

3/25/2022	IN-SITU INC	Large Desiccant	25.86	
3/25/2022	IN-SITU INC	Android Mobile Device (Tablet)	77.58	
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	206.88	
3/25/2022	IN-SITU INC	Large Desiccant	25.86	
3/25/2022	IN-SITU INC	Level TROLL 700 , 15 psig	193.95	
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	206.88	
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	206.88	
3/25/2022	IN-SITU INC	Wireless TROLL Com	25.86	
3/25/2022	IN-SITU INC	Level TROLL 700, 5 psig	258.60	
3/25/2022	IN-SITU INC	Rugged Poly Cable, 6 ft	155.16	
3/25/2022	IN-SITU INC	Level TROLL 700, 5 psig	258.60	
3/25/2022	IN-SITU INC	Rugged Poly Cable, 200 ft	206.88	
	Reimbursable Total	**1.1 times**	**5,003.21**	**5,503.53**

Total this Phase **$34,536.03**

Phase 044 FY 21/22 PREPARATION OF GRANT APPLICATIONS

Professional Personnel

	Hours	**Rate**	**Amount**	
Planner 1				
Meyer, Nolan	2.00	180.00	360.00	
Project Manager 2				
Van Lienden, Brian	12.00	295.00	3,540.00	
Project Planner 1				
Eggleton, Charles	1.00	245.00	245.00	
Totals	15.00		4,145.00	
Labor Total				**4,145.00**

Total this Phase **$4,145.00**

Total this Invoice **$68,365.78**

Outstanding Invoices

Number	**Date**	**Balance**
202356	4/1/2022	55,911.38
Total		**55,911.38**

	Current Fee	**Previous Fee**	**Total**
Project Summary	**68,365.78**	**3,341,134.10**	**3,409,499.88**

Approved by: 

Brian Van Lienden
Project Manager
Woodard & Curran

Progress Report

Cuyama Basin Groundwater Sustainability Plan Development

Subject:	**March 2022 Progress Report**
Prepared for:	Jim Beck, Executive Director, Cuyama Basin Groundwater Sustainability Agency (CBGSA)
Prepared by:	Brian Van Lienden, Woodard & Curran
Date:	April 14, 2022
Project No.:	0011078.01

This progress report summarizes the work performed and project status for the period of February 26, 2022 through March 25, 2022 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 Order 9, issued by the CBGSA on May 5, 2021. Work previously authorized on Task Orders 1 through 8 are complete.

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 Table 1. Table 1 shows work under Task Order 9.

Table 1: Summary of Task/Deliverables Status for Task Order 9

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 38: FY22 Stakeholder & Board Engagement	• Prepare for and participate in ad-hoc calls • Preparation for SAC and Board meetings • Participation in Board meeting on March 2	75%	• Participation in future ad-hoc calls • Preparation for and participation in future CBGSA Board and SAC meetings
Task 39: FY22 Outreach Support	• Ongoing stakeholder outreach activities related to GSP implementation	75%	• Ongoing stakeholder outreach activities related to GSP implementation
Task 40: FY22 Support for DWR Technical Support Services	• Work with DWR on information needed to install transducers in TSS wells • Coordination related to AEM data	75%	• Continued support for TSS program • Continued support for AEM survey
Task 41: FY22 Cuyama Basin GSP Implementation Support	• Monitoring implementation support • DMS updates and data integration • Continued support of adaptive management activities • Support for management area implementation • Revised DWR response tech memo in response to DWR determination • Developed final Annual Report document and submitted to DWR	90%	• Continued monitoring implementation, DMS, DWR comment response and metering support • Continued adaptive management and management area implementation support • Continue revisions to DWR response tech memo in response to DWR determination
Task 42: FY22 Cuyama Basin Model Refinement	• Model input data preparation for model refinement • Participation in Tech Forum call on March 1	20%	• Prepare datasets for model re-calibration

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 43: FY22 Perform Aquifer Testing	• Prepared report of aquifer testing data performed by North Fork vineyard • Performed aquifer testing on Wegis property in Southeast region	45%	• Prepare reporting of aquifer testing data • Work with landowners to identify potential site for 2nd aquifer test
Task 44: FY22 Preparation of Grant Applications	• Work with DWR to review and revise draft agreement	40%	• Continue work with DWR to refine grant agreement

2 Budget Status

Table 2 shows the percent spent for each task under Task Order 9 as of March 25, 2022. 53% of the available Task Order 9 budget has been expended ($356,902.03 out of $674,308.00).

Table 2: Budget Status for Task Order 9

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
38	$108,084.00	$64,995.48	$6,785.00	$71,780.48	$36,303.52	66%
39	$15,089.00	$7,651.64	$1,661.00	$9,312.64	$5,776.36	62%
40	$16,520.00	$5,013.50	$885.00	$5,898.50	$10,621.50	36%
41	$173,683.00	$149,320.38	$9,300.00	$158,620.38	$15,062.62	91%
42	$179,120.00	$25,088.25	$11,053.75	$36,142.00	$142,978.00	20%
43	$101,556.00	$10,698.75	$34,536.03	$45,234.78	$56,321.22	45%
44	$80,256.00	$25,768.25	$4,145.00	$29,913.25	$50,342.75	37%
Total	**$674,308.00**	**$288,536.25**	**$68,365.78**	**$356,902.03**	**$317,405.97**	**53%**

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1 through 8 is complete.

4 Outstanding Issues to be Coordinated

None

HALLMARK GROUP Capital Program Management

INVOICE

To:	**Cuyama Basin GSA** Attn: Jim Beck 4900 California Avenue, Ste B Bakersfield, CA 93309	**Please Remit To:**	**Hallmark Group** 500 Capitol Mall, Ste 2350 Sacramento, CA 95814 P: (916) 923-1500	**Invoice No.:** **Task Order No.:** **Agreement No.:** **Date:**	2022-CBGSA-03 CB-HG-007 201709-CB-001 March 31, 2022

For professional services rendered for the month of March 2022:

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-007	1	Board of Directors and Advisory Committee Meetings	Executive Director - J. Beck	11.00	$ 350.00	$ 3,850.00
			Project Coordinator - T. Blakslee	14.00	$ 175.00	$ 2,450.00
					Total Sub Task 1 Labor	**$ 6,300.00**
CB-HG-007	2	Consultant Management and GSP Implementation	Executive Director - J. Beck	7.50	$ 350.00	$ 2,625.00
			Project Coordinator - T. Blakslee	30.50	$ 175.00	$ 5,337.50
			Project Coordinator - J. Montoya	1.50	$ 125.00	$ 187.50
					Total Sub Task 2 Labor	**$ 8,150.00**
CB-HG-007	3	Financial Information Coordination	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Controls - J. Harris	10.50	$ 200.00	$ 2,100.00
			Project Coordinator - T. Blakslee	19.75	$ 175.00	$ 3,456.25
					Total Sub Task 3 Labor	**$ 5,556.25**
CB-HG-007	4	CBGSA Outreach	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	2.25	$ 175.00	$ 393.75
					Total Sub Task 4 Labor	**$ 393.75**
CB-HG-007	5	Groundwater Extraction Fee - Funding	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Controls - J. Harris	0.00	$ 200.00	$ -
			Project Coordinator - T. Blakslee	1.50	$ 175.00	$ 262.50
					Total Sub Task 5 Labor	**$ 262.50**
CB-HG-007	6	Support for CBGSA Response to DWR and Public Comments	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	1.50	$ 175.00	$ 262.50
					Total Sub Task 6 Labor	**$ 262.50**
CB-HG-007	7	Management Area Policy	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	0.00	$ 175.00	$ -
					Total Sub Task 7 Labor	**$ -**
CB-HG-007	8	Adjudication Support	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	0.25	$ 175.00	$ 43.75
					Total Sub Task 8 Labor	**$ 43.75**
					Total Labor	**$ 20,968.75**
		GoToMeeting Conference Calls		Minutes: 408	$ 0.08	$ 32.64
						$ -
					SubTotal Travel and Other Direct Costs	**$ 32.64**
		ODC Mark Up - Other			5%	$ 1.63
					Total Travel and Other Direct Costs	**$ 34.27**
					TOTAL AMOUNT DUE THIS INVOICE	**$ 21,003.02**

MAXIMUM CONTRACT VALUE AND PROGRESS BILLING

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-007	$ 207,440.00	$ 28,000.00	$ 235,440.00	$ 154,312.50	$ 20,968.75	$ 60,158.75
Provost & Pritchard	$ 131,600.00	$ -	$ 131,600.00	$ 34,780.47	$ -	$ 96,819.53
Travel and ODC	$ 2,985.00	$ 768.00	$ 3,753.00	$ 2,770.69	$ 34.27	$ 948.04
Total	$ 342,025.00	$ 28,768.00	$ 370,793.00	$ 191,863.66	$ 21,003.02	$ 157,926.32

HALLMARK GROUP Capital Program Management

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

PROGRESS REPORT FOR TASK ORDER CB-HG-007

Client Name:	Cuyama Basin Groundwater Sustainability Agency	**Agreement Number:**	201709-CB-001
Company Name:	HGCPM, Inc. DBA The Hallmark Group	**Address:**	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
Task Order Number:	CB-HG-007	**Report Period:**	March 1-31, 2022
Progress Report Number:	37	**Project Manager:**	Jim Beck
Invoice Number:	2022-CBGSA-03	**Invoice Date:**	March 31, 2022

SUMMARY OF WORK PERFORMED

Task 1: Board of Directors and Advisory Committee Meetings

- Prepared for and facilitated Board meeting on March 2, 2022.
- Facilitated pre-Board meeting discussion group with legal and Chair Yurosek.
- Prepared for and attended meeting with D. Yurosek regarding Board and SAC agendas.
- Distributed SAC report to the Board.
- Polled the Board regarding attendance.
- Pre-Board check-in with DWR's A. Regmi.
- Prepared and reviewed meeting presentation with Woodard & Curran.
- Attended Board meeting debrief with D. Yurosek and J. Hughes.
- Drafted and tracked Form 700s.
- Touched base with legal regarding Form 700 filing instructions.
- Reviewed Cuyama workplan with D. Yurosek.
- Touched base with Directors regarding Board actions.

Task 2: Consultant Management and GSP Implementation

- Developed water allocation options spreadsheet.
- Prepared for and met with Woodard & Curran and M. Egerton regarding GSP water quality section.
- Prepared and distributed letters to counties regarding intent to amend the GSP.
- Prepared for and attended tech forum meeting regarding the model refinement update.
- Drafted third quarter planning activities with Woodard & Curran.
- Prepared for and attended PMT meeting, reviewed agenda and revised third quarter planning activities.
- Discussed modeled water pumping with Woodard & Curran.
- Coordinated with M. Vickery and Woodard & Curran on GSP versions.
- Drafted and discussed GSP amendment schedule with Woodard & Curran.
- Corresponded with DWR regarding Adaptive Management undesirable results.
- Corresponded with A. Dominguez regarding Governor's Executive Order.

- Correspondence with landowners regarding meter requirement.

Task 3: Financial Information Coordination

- Billing, accounting, and administration.
- Prepared financial reports and presentation materials for March 2, 2022 Board meeting.
- Prepared February progress report.
- Processed landowner flow meter reports.
- Corresponded with Provost & Pritchard regarding invoice review and protocol.
- Assisted in preparing draft budget for FY 2022/2023.
- Corresponded with Woodard & Curran regarding grant retention.
- Coordinated with DWR's C. Martinez on grant agreement questions.
- Reviewed and approved invoices.
- Discussed grant retention with DWR's A. Regmi.
- Corresponded with Insurica regarding status of insurance policies.
- Reviewed grant retention invoice.
- Researched and provided information required for grant agreement by DWR's C. Martinez.
- Coordinated with DWR's A. Regmi regarding grant closeout letter.
- Reviewed grant agreement with Woodard & Curran.
- Touched base with Provost & Pritchard regarding budget estimate.
- Developed FY 2022/2023 budget and cash flow model.
- Distributed budget information to ad hoc committee.
- Drafted 2021 water use forms.
- Discussed budget estimates for stream gauge operation and maintenance costs with USGS's B. Glass.

Task 4: Cuyama Basin GSA Outreach

- Attended newsletter and outreach planning session with Catalyst.
- Correspondence with appraiser regarding GSA update.
- Distributed information on Governor's Executive Order to Board and SAC.
- Researched in-person meeting facility.
- Touched base with Santa Barbara County staff regarding adjudication workshop.

Task 5: Groundwater Extraction Fee Funding Process and Administration

- Researched landowners addresses and distributed fee information.

Task 6: Support for CBGSA Response to DWR and Public Comments

- Researched addresses for notices to cities and counties regarding amended GSP.
- Touched base with DWR's A. Regmi on DWR consultation meeting request.
- Coordinated with DWR and ad hoc on second consultation meeting.

Task 7: Management Area Policy

- *No efforts conducted under this task in March.*

Task 8: Adjudication Support

- Corresponded with DWR's A. Regmi regarding adjudication process.

DELIVERABLES AND COMPLETED TASKS

- Facilitated Board meeting on March 2, 2022.
- Assist in finalization and submittal of the Annual Report

PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD

- Facilitate Adaptive Management discussions
- Facilitate Management Area Policy discussions
- Facilitate FY 2022-2023 Budget discussions

SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS

- N/A

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

10000 STOCKDALE HWY, SUITE 200
BAKERSFIELD, CA 93311

(661) 395-1000
FAX (661) 326-0418
E-MAIL accounting@kleinlaw.com

March 31, 2022

CUYAMA BASIN GROUNDWATER SUSTAINABILITY
C/O HALLMARK GROUP
******EMAIL INVOICES******

Invoice No.	1191745
Client No.	22930
Matter No.	001
Billing Attorney:	JDH

INVOICE SUMMARY

For Professional Services Rendered for the Period Ending: March 18, 2022.

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

Professional Services	$ 7,352.00
Costs Advanced	$ .00
TOTAL THIS INVOICE	**$ 7,352.00**
Prior Balance	$ 9,849.00
TOTAL BALANCE DUE	**$ 17,201.00**

Invoice No. 1191745 March 31, 2022

PROFESSIONAL SERVICES

Date	Init	Description	Hours	Amount
2/18/22	AND	REVIEWED MATERIALS FOR MANAGEMENT AREA AD HOC MEETING; ATTENDED MANAGEMENT AREA AD HOC MEETING; ATTENDED PRE-BOARD MEETING DISCUSSION.	2.00	460.00
2/23/22	AND	RESEARCHED WATER CODE REGARDING PROCESS TO AMEND GSP; E-MAILED T. BLAKSLEE REGARDING SAME.	.50	115.00
2/23/22	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING TIMELINE ASSOCIATED WITH ADOPTION OF AMENDMENT TO GSP AND ASSOCIATED NOTICE REQUIREMENTS.	.20	46.00
2/24/22	AND	ATTENDED SAC MEETING.	3.30	759.00
2/24/22	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING STAKEHOLDERS ADVISORY COMMITTEE MEETING; RESEARCHED ALLOCATION DEVELOPMENT METHODOLOGIES; OFFICE CONFERENCE WITH J. HUGHES REGARDING SAME; RESEARCHED DWR REVIEW PROCESSES ASSOCIATED WITH SUBMISSION OF AMENDMENTS.	2.00	460.00
2/25/22	JDH	TELEPHONE CONFERENCE WITH R. KUHS REGARDING STATUS OF ADJUDICATION.	.30	96.00
3/01/22	AND	VIDEO CONFERENCE WITH J. HUGHES, D. YUROSEK, AND J. BECK REGARDING PREPARATION FOR BOARD MEETING.	1.20	276.00
3/01/22	JDH	CONFERENCE WITH D. YUROSEK AND STAFF REGARDING BOARD MEETING PREPARATION.	1.00	320.00
3/02/22	AND	ATTENDED BOARD MEETING.	4.00	920.00
3/02/22	JDH	PREPARED FOR BOARD MEETING.	1.50	480.00
3/02/22	JDH	ATTENDED BOARD MEETING.	4.50	1,440.00
3/03/22	AND	DRAFTED NOTICE TO CITIES AND COUNTIES REGARDING AMENDMENT TO GROUNDWATER SUSTAINABILITY PLAN.	.50	115.00
3/03/22	JDH	TELEPHONE CONFERENCE WITH R. KUHS REGARDING ADJUDICATION ISSUES.	.40	128.00
3/04/22	AND	VIDEO CONFERENCE WITH J. HUGHES, D. YUROSEK, AND J. BECK REGARDING BOARD MEETING.	.80	184.00
3/04/22	JDH	CONFERENCE WITH D. YUROSEK, J. BECK, AND A. DOMINGUEZ.	.70	224.00
3/08/22	RJW	ATTENDED STATUS CONFERENCE; EMAILED TEAM REGARDING SAME AND CALENDARING OF FURTHER CASE MANAGEMENT DEADLINES.	1.80	576.00
3/08/22	RJW	REVIEWED BOLTHOUSE'S MOTION FOR APPROVAL OF NOTICE OF COMMENCEMENT AND FORM ANSWER.	.40	128.00
3/09/22	RJW	REVIEWED NOTICE OF COMMENCEMENT AND FORM ANSWER LODGED BY BOLTHOUSE.	.30	96.00
3/11/22	AND	RESEARCHED FORM 700 FILING REQUIREMENTS; E-MAILED T. BLAKSLEE REGARDING SAME.	.50	115.00
3/11/22	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING MANAGEMENT AREA AD HOC COMMITTEE.	.30	69.00
3/16/22	AND	TELEPHONE CALL WITH T. BLAKSLEE AND J. MONTOYA REGARDING RESPONSE TO NONCOMPLIANCE LETTER.	.20	46.00

Invoice No. 1191745 March 31, 2022

Date	Init	Description	Hours	Amount
3/16/22	AND	REVIEWED JANUARY METER COMPLIANCE LETTER; TELEPHONE CALL WITH J. MONTOYA REGARDING SAME; TELEPHONE CALL WITH LANDOWNER REGARDING SAME; RESEARCHED PUBLIC RECORDS ACT REGARDING DISCLOSURE OF DELINQUENT BILLINGS; TELEPHONE CALL WITH T. BLAKSLEE REGARDING SAME.	1.30	299.00

TOTAL PROFESSIONAL SERVICES **$ 7,352.00**

SUMMARY OF PROFESSIONAL SERVICES

Name	Init	Rate	Hours	Total
DOMINGUEZ, ALEX	AND	230.00	16.80	3,864.00
HUGHES, JOSEPH	JDH	320.00	8.40	2,688.00
WARREN, R. JEFFREY	RJW	320.00	2.50	800.00
Total			**27.70**	**$ 7,352.00**

TOTAL THIS INVOICE **$ 7,352.00**

Invoice No. 1191745 March 31, 2022

OUTSTANDING INVOICES

Invoice No.	Date	Invoice Total	Payments Received	Ending Balance
1187314	12/30/21	1,473.50	.00	1,473.50
1188309	1/31/22	6,061.50	.00	6,061.50
1190385	2/28/22	2,314.00	.00	2,314.00

PRIOR BALANCE	$ 9,849.00
Balance Due This Invoice	$ 7,352.00
TOTAL BALANCE DUE	**$ 17,201.00**

AGED ACCOUNTS RECEIVABLE

Current - 30	31 - 60	61 - 90	91 - 120	Over 120	Total
$ 2,314.00	$ 6,061.50	$ 1,473.50	$ .00	$ .00	$ 9,849.00

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

10000 STOCKDALE HWY, SUITE 200
BAKERSFIELD, CA 93311

(661) 395-1000
FAX (661) 326-0418
E-MAIL accounting@kleinlaw.com

March 31, 2022

CUYAMA BASIN GROUNDWATER SUSTAINABILITY
C/O HALLMARK GROUP
******EMAIL INVOICES******

Invoice No.	1191745
Client No.	22930
Matter No.	001
Billing Attorney:	JDH

REMITTANCE

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

BALANCE DUE THIS INVOICE	**$ 7,352.00**
Prior Balance	$ 9,849.00
TOTAL BALANCE DUE	**$ 17,201.00**

All checks should be made payable to:
(Please return this advice with payment.)

Klein DeNatale Goldner
10000 Stockdale Hwy, Suite 200
Bakersfield, CA 93311

For payment by wire in USD:
(Please reference:
Client-Matter No. 22930-001,
Invoice No. 1191745)

Bank of America
5021 California Avenue
Bakersfield, CA 93309
Account No. 001499407875
ABA No. 121000358

We accept all major credit cards. If you wish to pay by credit card call Accounting at (661) 395-1000.

DUE UPON RECEIPT

FEDERAL I.D. No. 95-2298220

Thank you! Your business is greatly appreciated.

Woodard & Curran

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

T 800.426.4262
T 406.586.8364
F 406.522.8460

TD BANK
Electronic Transfer
⑆211274450 ⑆ 2427662596⑈

INVOICE

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

April 1, 2022
Project No: 0011078.01
Invoice No: 202356

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending February 25, 2022

Phase 038 FY 21/22 STAKEHOLDER/BOARD ENGAGEMENT

Professional Personnel

	Hours	Rate	Amount	
Project Manager 2				
Van Lienden, Brian	26.00	295.00	7,670.00	
Totals	26.00		7,670.00	
Labor Total				**7,670.00**
			Total this Phase	**$7,670.00**

Phase 039 FY 21/22 OUTREACH

Consultant

Sub - Consultant Miscellaneous					
2/25/2022	THE CATALYST GROUP	Catalyst Inv# 635		651.25	
Consultant Total			**1.1 times**	**651.25**	**716.38**
				Total this Phase	**$716.38**

Phase 040 FY 21/ 22 SUPPORT FOR DWR TECHNICAL SUPP

Please include our invoice number in your remittance. Thank you.

Project 0011078.01 CUYAMA GSP Invoice 202356

Professional Personnel

	Hours	Rate	Amount	
Project Manager 2				
Van Lienden, Brian	2.50	295.00	737.50	
Totals	2.50		737.50	
Labor Total				**737.50**
			Total this Phase	**$737.50**

Phase 041 FY 21/22 GSP IMPLEMENTATION SUPPORT

Professional Personnel

	Hours	Rate	Amount	
Planner 1				
Meyer, Nolan	3.00	180.00	540.00	
Planner 3				
Eggleton, Charles	61.50	235.00	14,452.50	
Project Manager 2				
Van Lienden, Brian	13.00	295.00	3,835.00	
Senior Project Assistant				
Hughart, Desiree	1.75	140.00	245.00	
Senior Technical Practice Leader				
Taghavi, Ali	3.00	330.00	990.00	
Totals	82.25		20,062.50	
Labor Total				**20,062.50**
			Total this Phase	**$20,062.50**

Phase 042 FY 21/22 CUYAMA BASIN MODEL REFINEMENT

Professional Personnel

	Hours	Rate	Amount
Engineer 1			
Baer, John	7.25	180.00	1,305.00
Engineer 3			
Roy, Zachary	1.00	235.00	235.00
Project Engineer 1			
Ceyhan, Mahmut	19.00	245.00	4,655.00

Project	0011078.01	CUYAMA GSP			Invoice	202356
Project Manager 2						
Van Lienden, Brian		6.00	295.00	1,770.00		
Senior Technical Manager						
Sturn, Richard		4.25	315.00	1,338.75		
	Totals	37.50		9,303.75		
	Labor Total					**9,303.75**
				Total this Phase		**$9,303.75**

Phase 043 FY 21/22 PERFORM AQUIFER TESTING

Professional Personnel

		Hours	**Rate**	**Amount**	
Project Geologist 2					
Aigler, Brent		4.50	260.00	1,170.00	
Senior Technical Manager					
Sturn, Richard		30.25	315.00	9,528.75	
	Totals	34.75		10,698.75	
	Labor Total				**10,698.75**
				Total this Phase	**$10,698.75**

Phase 044 FY 21/22 PREPARATION OF GRANT APPLICATIONS

Professional Personnel

		Hours	**Rate**	**Amount**	
Planner 1					
Meyer, Nolan		3.75	180.00	675.00	
Project Manager 2					
Van Lienden, Brian		20.50	295.00	6,047.50	
	Totals	24.25		6,722.50	
	Labor Total				**6,722.50**
				Total this Phase	**$6,722.50**
				Total this Invoice	**$55,911.38**

	Current Fee	**Previous Fee**	**Total**
Project Summary	**55,911.38**	**3,285,222.72**	**3,341,134.10**

Approved by: _____

Brian Van Lienden
Project Manager
Woodard & Curran

Progress Report

Cuyama Basin Groundwater Sustainability Plan Development

Subject:	**February 2022 Progress Report**
Prepared for:	Jim Beck, Executive Director, Cuyama Basin Groundwater Sustainability Agency (CBGSA)
Prepared by:	Brian Van Lienden, Woodard & Curran
Date:	April 1, 2022
Project No.:	0011078.01

This progress report summarizes the work performed and project status for the period of January 29, 2022 through February 25, 2022 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 Order 9, issued by the CBGSA on May 5, 2021. Work previously authorized on Task Orders 1 through 8 are complete.

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 Table 1. Table 1 shows work under Task Order 9.

Table 1: Summary of Task/Deliverables Status for Task Order 9

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 38: FY22 Stakeholder & Board Engagement	• Prepare for and participate in ad-hoc calls • Preparation for SAC and Board meetings • Participation in SAC meeting on February 24	60%	• Participation in future ad-hoc calls • Preparation for and participation in future CBGSA Board and SAC meetings
Task 39: FY22 Outreach Support	• Ongoing stakeholder outreach activities related to GSP implementation	60%	• Ongoing stakeholder outreach activities related to GSP implementation
Task 40: FY22 Support for DWR Technical Support Services	• Work with DWR on information needed to install transducers in TSS wells • Coordination related to AEM data	60%	• Continued support for TSS program • Continued support for AEM survey
Task 41: FY22 Cuyama Basin GSP Implementation Support	• Monitoring implementation support • DMS updates and data integration • Continued support of adaptive management activities • Support for management area implementation • Revise DWR response tech memo in response to DWR determination • Developed draft Annual Report document	80%	• Continued monitoring implementation, DMS, DWR comment response and metering support • Continued adaptive management and management area implementation support • Finalize Annual Report and submit to Board for review • Continue revisions to DWR response tech memo in response to DWR determination
Task 42: FY22 Cuyama Basin Model Refinement	• Model input data preparation for model refinement • Prepare materials for Tech Forum call	15%	• Participate in Tech Forum call • Prepare datasets for model re-calibration
Task 43: FY22 Perform Aquifer Testing	• Processing of aquifer testing data performed by North Fork vineyard and CCSD • Continued work to identify locations for aquifer testing	10%	• Perform aquifer testing at first location • Reporting of aquifer testing data

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 44: FY22 Preparation of Grant Applications	• Work with DWR to review and revise draft agreement	35%	• Continue work with DWR to refine grant agreement

2 Budget Status

Table 2 shows the percent spent for each task under Task Order 9 as of February 25, 2022. 43% of the available Task Order 9 budget has been expended ($288,536.25 out of $674,308.00).

Table 2: Budget Status for Task Order 9

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
38	$108,084.00	$57,325.48	$7,670.00	$64,995.48	$43,088.52	60%
39	$15,089.00	$6,935.26	$716.38	$7,651.64	$7,437.36	51%
40	$16,520.00	$4,276.00	$737.50	$5,013.50	$11,506.50	30%
41	$173,683.00	$129,257.88	$20,062.50	$149,320.38	$24,362.62	86%
42	$179,120.00	$15,784.50	$9,303.75	$25,088.25	$154,031.75	14%
43	$101,556.00	$0.00	$10,698.75	$10,698.75	$90,857.25	11%
44	$80,256.00	$19,045.75	$6,722.50	$25,768.25	$54,487.75	32%
Total	**$674,308.00**	**$232,624.87**	**$55,911.38**	**$288,536.25**	**$385,771.75**	**43%**

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1 through 8 is complete.

4 Outstanding Issues to be Coordinated

None

HALLMARK GROUP Capital Program Management

INVOICE

To:	**Cuyama Basin GSA** Attn: Jim Beck 4900 California Avenue, Ste B Bakersfield, CA 93309	**Please Remit To:**	**Hallmark Group** 500 Capitol Mall, Ste 2350 Sacramento, CA 95814 P: (916) 923-1500	**Invoice No.:** **Task Order No.:** **Agreement No.:** **Date:**	2022-CBGSA-02 CB-HG-007 201709-CB-001 February 28, 2022

For professional services rendered for the month of February 2022:

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-007	1	Board of Directors and Advisory Committee Meetings	Executive Director - J. Beck	7.50	$ 350.00	$ 2,625.00
			Project Coordinator - T. Blakslee	25.00	$ 175.00	$ 4,375.00
					Total Sub Task 1 Labor	**$ 7,000.00**
CB-HG-007	2	Consultant Management and GSP Implementation	Executive Director - J. Beck	6.00	$ 350.00	$ 2,100.00
			Project Coordinator - T. Blakslee	13.50	$ 175.00	$ 2,362.50
					Total Sub Task 2 Labor	**$ 4,462.50**
CB-HG-007	3	Financial Information Coordination	Executive Director - J. Beck	2.00	$ 350.00	$ 700.00
			Project Controls - J. Harris	15.50	$ 200.00	$ 3,100.00
			Project Coordinator - T. Blakslee	11.75	$ 175.00	$ 2,056.25
					Total Sub Task 3 Labor	**$ 5,856.25**
CB-HG-007	4	CBGSA Outreach	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	3.00	$ 175.00	$ 525.00
					Total Sub Task 4 Labor	**$ 525.00**
CB-HG-007	5	Groundwater Extraction Fee - Funding	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Controls - J. Harris	0.00	$ 200.00	$ -
			Project Coordinator - T. Blakslee	0.00	$ 175.00	$ -
					Total Sub Task 5 Labor	**$ -**
CB-HG-007	6	Support for CBGSA Response to DWR and Public Comments	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	7.75	$ 175.00	$ 1,356.25
					Total Sub Task 6 Labor	**$ 1,356.25**
CB-HG-007	7	Management Area Policy	Executive Director - J. Beck	0.00	$ 350.00	$ -
			Project Coordinator - T. Blakslee	9.00	$ 175.00	$ 1,575.00
					Total Sub Task 7 Labor	**$ 1,575.00**
					Total Labor	**$ 20,775.00**
		Provost & Pritchard - Groundwater Level Monitoring - Feb 2022				$ 1,644.00
		GoToMeeting Conference Calls	Minutes:	204	$ 0.08	$ 16.32
						$ -
					SubTotal Travel and Other Direct Costs	**$ 1,660.32**
		ODC Mark Up - Provost & Pritchard			3%	$ 49.32
		ODC Mark Up - Other			5%	$ 0.82
					Total Travel and Other Direct Costs	**$ 1,710.46**
					TOTAL AMOUNT DUE THIS INVOICE	**$ 22,485.46**

MAXIMUM CONTRACT VALUE AND PROGRESS BILLING

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-007	$ 207,440.00	$ 28,000.00	$ 235,440.00	$ 133,537.50	$ 20,775.00	$ 81,127.50
Provost & Pritchard	$ 131,600.00	$ -	$ 131,600.00	$ 33,136.47	$ 1,644.00	$ 96,819.53
Travel and ODC	$ 2,985.00	$ 768.00	$ 3,753.00	$ 2,704.23	$ 66.46	$ 982.31
Total	$ 342,025.00	$ 28,768.00	$ 370,793.00	$ 169,378.20	$ 22,485.46	$ 178,929.34

455 W. Fir Avenue
Clovis, CA 93611
(559) 449-2700
Fax (559) 449-2715

Per Contract:

Bill to: Hallmark Group
Project: CBGSA

Cuyama GSA
4900 California Ave., Tower B, 2nd Floor
Bakersfield, CA 93309

March 18, 2022
Project: No: 03930-21-002
Invoice No: 90973

Project Name: **CBGSA - Groundwater Level Monitoring (WY 2022)**

Client Project #:

Phase LVL: Correspondence with Client. Data management. Update files. Review, quality control, and submit data from January readings.

Professional Services from February 1, 2022 to February 28, 2022

Phase: LVL Groundwater Level Monitoring

Labor

	Hours	Rate	Amount	
Senior Engineer	6.90	153.00	1,055.70	
Assistant Engineer	5.30	111.00	588.30	
Totals	12.20		1,644.00	
Total Labor				**1,644.00**
		Total this Phase:		**$1,644.00**
		Total this Invoice		**$1,644.00**

*** Please make checks payable to Provost & Pritchard Consulting Group ***
For billing inquiries, please email BillingInquiries@ppeng.com.

HALLMARK GROUP Capital Program Management

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

PROGRESS REPORT FOR TASK ORDER CB-HG-007

Client Name:	Cuyama Basin Groundwater Sustainability Agency	**Agreement Number:**	201709-CB-001
Company Name:	HGCPM, Inc. DBA The Hallmark Group	**Address:**	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
Task Order Number:	CB-HG-007	**Report Period:**	February 1-28, 2022
Progress Report Number:	36	**Project Manager:**	Jim Beck
Invoice Number:	2022-CBGSA-02	**Invoice Date:**	February 28, 2022

SUMMARY OF WORK PERFORMED

Task 1: Board of Directors and Advisory Committee Meetings

- Prepared for and facilitated Board meeting agenda review with D. Yurosek.
- Prepared for and facilitated SAC meeting on February 24, 2022.
- Finalized and distributed Board meeting agenda.
- Discussed long-term fee equity issue.
- Prepared for and attended pre-Board meeting with D. Yurosek.
- Coordinated SAC packet on website.
- Confirmed GSP noticing with legal.
- Coordinated with Directors regarding ad hoc meetings.
- Prepared for and attended SAC agenda review with B. Kelly.
- Drafted January 5, 2022 Board meeting minutes.
- Reviewed EKI CBWD slides.
- Touched base with M. Klinchuch regarding Cuyama Basin Water Board update.

Task 2: Consultant Management and GSP Implementation

- Prepared for and attended meeting with DWR consultation meeting on February 10, 2022.
- Reviewed adaptive management action items.
- Prepared for and met with Management Area Policy ad hoc.
- Reviewed well owner contact information from adaptive management effort with B. Kelly.
- Met with B. Kelly regrading tech forum and aquifer test.
- Correspondence with ParcelQuest regarding parcel data.
- Coordinated tech forum for model refinement update.
- Distributed updated task outlines.
- Correspondence with B. Kelly regarding adaptive management.
- Developed materials for Adaptive Management ad hoc.
- Discussed CGBSA grants with DWR's C. Martinez.

- Coordinate January groundwater levels with Provost & Pritchard.
- Reviewed and edited annual report.
- Prepared grant documentation.
- Coordinated Director Vickery's question regarding GSP document differences.
- Prepared for and facilitated weekly Program Management Team (PMT) meetings regarding GSP implementation efforts.
- Touched base with Woodard & Curran on GSP implementation tasks.
- Distributed meter notice to pumpers.
- Correspondence with landowners on meter reporting form.
- Drafted meter reporting form with Woodard & Curran and posted on website.
- Correspondence with Minuteman regarding meter requirement notice.
- Correspondence with known pumpers regarding meter requirement.

Task 3: Financial Information Coordination

- Billing, accounting, and administration.
- Prepared financial reports and presentation materials for March 2, 2022, Board meeting.
- Prepared January 2022 progress report.
- Correspondence with Ventura County and A. Dominguez regarding tax assessment payment received.
- Reviewed budget components with Woodard & Curran's B. Van Lienden.
- Prepared for and attended Fiscal Year 2022-2023 budget ad hoc committee meeting.
- Performed invoice document control.
- Correspondence with DWR's C. Martinez regarding grant application status.
- Distributed grant materials to ad hoc committee.
- Reviewed grant retention release invoice and coordinated with D. Yurosek to sign final grant invoice.
- Distributed grant resolution to Director Bantilan for signature.
- Developed budget components with B. Van Lienden.
- Discussed budget recommendations with legal.
- Coordinated budget ad hoc committee with D. Yurosek.
- Coordinated with DWR C. Martinez regarding grant eligibility.
- Follow up with Directors on grant review of components and spending plan.
- Finalized and distributed budget information to ad hoc committee members.
- Coordinated grant documents for application.
- Develop late fee calculations for pumper in the basin.
- Prepared for and attended budget ad hoc committee meeting.
- Reviewed grant agreement edits with B. Van Lienden and DWR.

Task 4: Cuyama Basin GSA Outreach

- Correspondence with landowner L. Harrington regarding meters and water management.
- Correspondence with CHC Farms regarding GSA update.
- Correspondence with B. Guiterrez regarding GSA activities.
- Correspondence with Santa Barbara County regarding drought workshop and debrief with M. Young.

Task 5: Groundwater Extraction Fee Funding Process and Administration

- *No efforts conducted under this task in February.*

Task 6: Support for CBGSA Response to DWR and Public Comments

- Touched base with D. Yurosek regarding DWR consultation meeting.
- Prepared for DWR consultation meeting and distributed meeting materials to ad hoc.
- Distributed agenda for consultation meeting to DWR's A. Regmi.
- Touched base with DWR's A. Regmi regarding meeting agenda.
- Updated DWR consultation meeting packet.
- Facilitated DWR consultation meeting on February 10, 2022 and distributed update to the Board
- Drafted DWR response slides.

Task 7: Management Area Policy

- Distributed Management Area ad hoc task summaries.
- Discussed historic pumping analysis with ad hoc members.
- Discussed historic pumping analysis with B. Van Lienden.
- Correspondence with Management Area ad hoc and meeting preparation.
- Distributed Management Area materials to ad hoc committee.
- Scheduled follow-up meeting for ad hoc committee.
- Drafted Management Area policy memo.
- Facilitated Management Area policy ad hoc.
- Touched base with B. Van Lienden on pumping baseline options from model numbers.

Task 8: Adjudication Support

- *No efforts conducted under this task in February.*

DELIVERABLES AND COMPLETED TASKS

- Facilitated SAC meeting on February 24, 2022.
- Facilitated Budget Ad hoc on February 24, 2022.
- Facilitated Management Area Policy Ad hoc on February 18, 2022

PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD

- Facilitate bi-weekly CBGSA program management team meetings.
- Facilitate Management Area Policy ad hoc discussions.
- Facilitate Adaptive Management ad hoc discussions.
- Facilitate Board Meeting on March 2, 2022
- Administer compliance options for meter installation requirement for larger pumpers.
- Administer Form 700s.
- Finalize grant application for submittal to DWR.

SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS

- N/A

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

10000 STOCKDALE HWY, SUITE 200
BAKERSFIELD, CA 93311

(661) 395-1000
FAX (661) 326-0418
E-MAIL accounting@kleinlaw.com

February 28, 2022

CUYAMA BASIN GROUNDWATER SUSTAINABILITY
C/O HALLMARK GROUP
******EMAIL INVOICES******

Invoice No.	1190385
Client No.	22930
Matter No.	001
Billing Attorney:	JDH

INVOICE SUMMARY

For Professional Services Rendered for the Period Ending: February 17, 2022.

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

Professional Services	$ 2,314.00
Costs Advanced	$ .00
TOTAL THIS INVOICE	**$ 2,314.00**
Prior Balance	$ 7,535.00
TOTAL BALANCE DUE	**$ 9,849.00**

Invoice No. 1190385 February 28, 2022

PROFESSIONAL SERVICES

Date	Init	Description	Hours	Amount
1/19/22	AND	REVIEWED E-MAIL FROM T. BLAKSLEE AND M. YOUNG; RESEARCHED PROP. 26; RESEARCHED FINANCIAL AUTHORITIES UNDER SGMA; E-MAILED T. BLAKSLEE REGARDING SAME.	.50	115.00
1/21/22	AND	RESEARCHED MUTUAL WATER COMPANY BYLAWS; DRAFTED BYLAWS. REVIEWED DEPARTMENT OF WATER RESOURCES DETERMINATION LETTER; TELEPHONE CALL WITH T. BLAKSLEE REGARDING SAME AND NEXT STEPS.	.30	69.00
1/21/22	AND	RESEARCHED BROWN ACT REGARDING PARTICIPATION OF BOARD MEMBERS DURING AD HOC MEETING; RESEARCHED COMPOSITION OF AD HOC COMMITTEE; TELEPHONE CALL WITH T. BLAKSLEE REGARDING SAME.	.50	115.00
1/26/22	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING MANAGEMENT AREA AD HOC MEETING AND METER COMPLIANCE NOTICE.	.20	46.00
1/27/22	AND	REVIEWED WATER DELIVERY DATA AND ASSOCIATED MAP FOR MANAGEMENT AREA AD HOC MEETING; TELEPHONE CALL WITH T. BLAKSLEE REGARDING WATER USE DATA SHEET; REVIEWED ADJUDICATION PLEADINGS.	.50	115.00
1/31/22	AND	REVIEWED MATERIALS IN PREPARATION FOR MANAGEMENT AREA AD HOC MEETING; ATTENDED MANAGEMENT AREA AD HOC COMMITTEE MEETING.	1.80	414.00
2/02/22	AND	REVIEWED E-MAIL FROM T. BLAKSLEE REGARDING LONG-TERM FEE AD HOC; E-MAILED J. HUGHES ANALYSIS REGARDING SAME.	.20	46.00
2/07/22	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING PROCESS TO AMEND GROUNDWATER SUSTAINABILITY PLAN; RESEARCHED SGMA REGARDING PROCESS TO AMEND GROUNDWATER SUSTAINABILITY PLAN; REVIEWED TECHNICAL MEMORANDUM PREPARED IN RESPONSE TO DWR DETERMINATION.	.50	115.00
2/08/22	AND	VIDEO CONFERENCE WITH J. BECK, T. BLAKSLEE AND B. VAN LIENDEN REGARDING AMENDMENTS TO GSP AS RESULT OF DWR CONSULTATION LETTER; CONTINUED RESEARCH OF AMENDMENT TIMELINE FOR GSP.	1.00	230.00
2/09/22	JDH	PREPARED FOR DWR MEETING.	.50	147.50
2/10/22	AND	ATTENDED CONSULTATION MEETING WITH DEPARTMENT OF WATER RESOURCES; VIDEO CONFERENCE WITH J. HUGHES, J. BECK, T. BLAKSLEE, AND B. VAN LINDEN REGARDING SAME.	2.50	N/C
2/10/22	JDH	CONFERENCE WITH DWR STAFF REGARDING GSP REVIEW AND TECHNICAL MEMORANDUM; CONFERENCE WITH CUYAMA TEAM REGARDING SAME.	2.50	737.50
2/10/22	JDH	TELEPHONE CONFERENCE WITH R. KUHS.	.40	118.00
2/14/22	AND	RESEARCHED SGMA REGARDING PUBLIC HEARING FOR ADOPTION OF AMENDMENT TO GSP; E-MAILED T. BLAKSLEE REGARDING SAME.	.20	46.00

TOTAL PROFESSIONAL SERVICES **$ 2,314.00**

Invoice No. 1190385 February 28, 2022

SUMMARY OF PROFESSIONAL SERVICES

Name	Init	Rate	Hours	Total
DOMINGUEZ, ALEX	AND	230.00	5.70	1,311.00
HUGHES, JOSEPH	JDH	295.00	3.40	1,003.00
Total			**9.10**	**$ 2,314.00**

TOTAL THIS INVOICE **$ 2,314.00**

Invoice No. 1190385 February 28, 2022

OUTSTANDING INVOICES

Invoice No.	Date	Invoice Total	Payments Received	Ending Balance
1187314	12/30/21	1,473.50	.00	1,473.50
1188309	1/31/22	6,061.50	.00	6,061.50

PRIOR BALANCE	$ 7,535.00
Balance Due This Invoice	$ 2,314.00
TOTAL BALANCE DUE	**$ 9,849.00**

AGED ACCOUNTS RECEIVABLE

Current - 30	31 - 60	61 - 90	91 - 120	Over 120	Total
$ 6,061.50	$ 1,473.50	$ .00	$ .00	$ .00	$ 7,535.00

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

10000 STOCKDALE HWY, SUITE 200
BAKERSFIELD, CA 93311

(661) 395-1000
FAX (661) 326-0418
E-MAIL accounting@kleinlaw.com

February 28, 2022

CUYAMA BASIN GROUNDWATER SUSTAINABILITY
C/O HALLMARK GROUP
******EMAIL INVOICES******

Invoice No.	1190385
Client No.	22930
Matter No.	001
Billing Attorney:	JDH

REMITTANCE

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

BALANCE DUE THIS INVOICE	**$ 2,314.00**
Prior Balance	$ 7,535.00
TOTAL BALANCE DUE	**$ 9,849.00**

All checks should be made payable to:
(Please return this advice with payment.)

Klein DeNatale Goldner
10000 Stockdale Hwy, Suite 200
Bakersfield, CA 93311

For payment by wire in USD:
(Please reference:
Client-Matter No. 22930-001,
Invoice No. 1190385)

Bank of America
5021 California Avenue
Bakersfield, CA 93309
Account No. 001499407875
ABA No. 121000358

We accept all major credit cards. If you wish to pay by credit card call Accounting at (661) 395-1000.

DUE UPON RECEIPT

FEDERAL I.D. No. 95-2298220

Thank you! Your business is greatly appreciated.

TO: Board of Directors
Agenda Item No. 7

FROM: Taylor Blakslee, Hallmark Group

DATE: May 4, 2022

SUBJECT: Approval of Financial Reports for February and March 2022

Issue
Approval of Financial Reports for February and March 2022.

Recommended Motion
Approve financial reports for February and March 2022.

Discussion
The Cuyama Basin Groundwater Sustainability Agency's financial reports for February and March 2022 are provided as Attachment 1.

The reports include:

- Statement of Financial Position
- Receipts and Disbursements
- A/R Aging Summary
- A/P Aging Summary
- Statement of Operations with Budget Variance
- 2021/2022 Operating Budget

Cuyama Basin GSA

Financial Statements

March 2022

CUYAMA BASIN GSA
Statement of Financial Position
As of March 31, 2022

	Mar 31, 22	Mar 31, 21	$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	1,161,725	646,491	515,234	80%
Total Checking/Savings	1,161,725	646,491	515,234	80%
Accounts Receivable				
Accounts Receivable	313,135	204,067	109,068	54%
Total Accounts Receivable	313,135	204,067	109,068	54%
Other Current Assets				
Grant Retention Receivable	0	254,192	-254,192	-100%
Total Other Current Assets	0	254,192	-254,192	-100%
Total Current Assets	1,474,861	1,104,750	370,111	34%
TOTAL ASSETS	**1,474,861**	**1,104,750**	**370,111**	**34%**
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	184,967	159,851	25,116	16%
Total Accounts Payable	184,967	159,851	25,116	16%
Total Current Liabilities	184,967	159,851	25,116	16%
Total Liabilities	184,967	159,851	25,116	16%
Equity				
Unrestricted Net Assets	763,431	636,105	127,326	20%
Net Income	526,463	308,794	217,669	71%
Total Equity	1,289,894	944,899	344,995	37%
TOTAL LIABILITIES & EQUITY	**1,474,861**	**1,104,750**	**370,111**	**34%**

CUYAMA BASIN GSA
Receipts and Disbursements
As of March 31, 2022

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Payment	07/01/2021	317673	Groundwater Extraction Fees:Bolthouse Farms	322,421.58	
Payment	07/01/2021	317673	Groundwater Extraction Fees:Bolthouse Farms - Perkins Ranch	10,296.00	
Payment	07/01/2021	0701|1B7031R020586	Groundwater Extraction Fees:Brodiaea, Inc	29,544.06	
Payment	07/14/2021	489415	Groundwater Extraction Fees:E & B Natural Resources Mgmt Corp	873.99	
Payment	07/14/2021	1273	Groundwater Extraction Fees:Cuyama Mutual Water Co.	191.10	
Payment	07/14/2021	44792	Groundwater Extraction Fees:Santa Barbara Highlands Vineyard	46,046.83	
Payment	07/14/2021	047977	Groundwater Extraction Fees:Feinstein Investments	5,566.47	
Payment	07/14/2021	50506	Groundwater Extraction Fees:Cuyama Dairy Farm	21,799.80	
Payment	07/14/2021	20334	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	12,427.35	
Payment	07/14/2021	2726	Groundwater Extraction Fees:Harrington Farms	2,565.00	
Payment	07/14/2021	2785	Groundwater Extraction Fees:Harrington Farms	2,700.00	
Check	07/16/2021	1081	Groundwater Extraction Fees:Cuyama Dairy Farm		294.81
Bill Pmt -Check	07/16/2021	1082	Minuteman Press		1,936.60
Bill Pmt -Check	08/25/2021	1083	HGCPM, Inc.		81,211.02
Bill Pmt -Check	08/25/2021	1084	Klein DeNatale Goldner		13,213.62
Bill Pmt -Check	08/25/2021	1085	Woodard & Curran Inc		87,602.63
Payment	08/30/2021	04-616441	Department of Water Resources	57,067.73	
Payment	09/24/2021	04-629078	Department of Water Resources	11,504.47	
Bill Pmt -Check	11/04/2021	1086	Daniells Phillips Vaughan & Bock		6,500.00
Bill Pmt -Check	11/04/2021	1087	HGCPM, Inc.		83,786.98
Bill Pmt -Check	11/04/2021	1088	Klein DeNatale Goldner		11,273.50
Bill Pmt -Check	11/04/2021	1089	Woodard & Curran Inc		126,979.37
Payment	12/30/2021	1514	Groundwater Extraction Fees:Brodiaea, Inc	2,954.41	
Payment	12/30/2021	1002072302	Groundwater Extraction Fees:Cuyama Orchards, Inc	22,872.00	
General Journal	12/30/2021	1006	Groundwater Extraction Fees:Cuyama Orchards, Inc		57.18
Bill Pmt -Check	01/06/2022	1091	Daniells Phillips Vaughan & Bock		1,400.00
Bill Pmt -Check	01/06/2022	1092	HGCPM, Inc.		36,063.55
Bill Pmt -Check	01/06/2022	1093	Klein DeNatale Goldner		5,079.00
Bill Pmt -Check	01/06/2022	1094	Woodard & Curran Inc		80,248.28
Payment	01/07/2022	04-720245	Department of Water Resources	84,083.52	
Bill Pmt -Check	03/03/2022	1095	CA Assoc of Mutual Water Companies		100.00
Bill Pmt -Check	03/03/2022	1096	HGCPM, Inc.		49,527.67
Bill Pmt -Check	03/03/2022	1097	Klein DeNatale Goldner	0.00	
Bill Pmt -Check	03/03/2022	1098	Woodard & Curran Inc		81,822.38
Bill Pmt -Check	03/08/2022	1099	Klein DeNatale Goldner	0.00	
Bill Pmt -Check	03/08/2022	1100	Minuteman Press		668.68
Bill Pmt -Check	03/08/2022	1101	Insurica		12,662.00
Total Chase - General Checking				632,914.31	680,427.27
TOTAL				**632,914.31**	**680,427.27**

CUYAMA BASIN GSA
A/R Aging Summary
As of March 31, 2022

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	246,491	0	0	0	0	246,491
Groundwater Extraction Fees						
Cuyama Orchards, Inc	1,458	0	1,458	729	62,998	66,644
Total Groundwater Extraction Fees	1,458	0	1,458	729	62,998	66,644
TOTAL	**247,949**	**0**	**1,458**	**729**	**62,998**	**313,135**

CUYAMA BASIN GSA
A/P Aging Summary
As of March 31, 2022

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
HGCPM, Inc.	21,003	22,485	0	0	0	43,488
Klein DeNatale Goldner	7,352	8,376	1,474	0	0	17,201
Woodard & Curran Inc	68,366	55,911	0	0	0	124,277
TOTAL	**96,721**	**86,772**	**1,474**	**0**	**0**	**184,967**

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
July 2021 through March 2022

	Jul '21 - Mar 22	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Direct Public Funds				
Groundwater Extraction Fees	1,119,893	1,000,000	119,893	112%
Grants	93,426	344,391	-250,965	27%
GWE Late Fees	12,600	0	12,600	100%
Total Direct Public Funds	1,225,919	1,344,391	-118,472	91%
Total Income	1,225,919	1,344,391	-118,472	91%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Basin Model Refinement	37,762	146,183	-108,421	26%
GSP Implementation - W&C	165,047	130,261	34,786	127%
Monitoring Network - P&P/USGS	34,780	116,100	-81,320	30%
Aquifer Testing	45,235	76,167	-30,932	59%
Stakeholder Engagement	72,342	69,219	3,123	105%
Grant Proposals	29,913	60,192	-30,279	50%
Technical Support for DWR	7,091	12,389	-5,299	57%
Outreach	13,279	11,318	1,961	117%
Technical Support - CAT 1	36,439	9,232	27,207	395%
Grant Administration	6,219	6,000	219	104%
Ineligible Grant Reimb - PY	18,321	0	18,321	100%
Total Technical Consulting	466,429	637,061	-170,632	73%
Total Program Expenses	466,429	637,061	-170,632	73%
Total COGS	466,429	637,061	-170,632	73%
Gross Profit	759,490	707,330	52,160	107%
Expense				
General and Administrative				
MA Implementation - Prop 218	0	60,000	-60,000	0%
GSA Executive Director				
Adjudication Support	1,094	0	1,094	100%
Management Area Policy	6,388	0	6,388	100%
GSA BOD Meetings	66,763	60,712	6,051	110%
Consult Mgmt and GSP Devel	47,963	44,465	3,498	108%
Financial Information Coor	33,431	27,555	5,876	121%
Funding Process (GWE Fee)	3,281	11,428	-8,147	29%
CBGSA Outreach	6,213	7,219	-1,007	86%
Support for DWR/Public Comments	10,150	4,199	5,951	242%
Travel and Direct Costs	2,805	3,007	-202	93%
Total GSA Executive Director	178,086	158,585	19,501	112%
Other Administrative				
Legal	33,554	45,000	-11,447	75%
Auditing/Accounting Fees	7,900	9,000	-1,100	88%
General & Mgmt Liab Insurance	12,662	0	12,662	100%
Printing and Copying	669	0	669	100%
Other Admin Expense	157	200	-43	79%
Contingency	0	14,999	-14,999	0%
Total Other Administrative	54,941	69,199	-14,258	79%
Total General and Administrative	233,028	287,784	-54,756	81%
Total Expense	233,028	287,784	-54,756	81%
Net Ordinary Income	526,463	419,546	106,917	125%
Net Income	**526,463**	**419,546**	**106,917**	**125%**

CUYAMA BASIN GSA
2021/2022 Annual Operating Budget
July 2021 through June 2022

	Jul '21 - Jun 22
Ordinary Income/Expense	
Income	
Direct Public Funds	
Groundwater Extraction Fees	1,000,000
Grants	344,391
Total Direct Public Funds	1,344,391
Total Income	1,344,391
Cost of Goods Sold	
Program Expenses	
Technical Consulting	
Basin Model Refinement	194,912
GSP Implementation - W&C	173,683
Monitoring Network - P&P	131,600
Aquifer Testing	101,556
Stakeholder Engagement	92,292
Grant Proposals	80,256
Technical Support for DWR	16,520
Outreach	15,089
Technical Support - CAT 1	9,232
Grant Administration	6,000
Total Technical Consulting	821,140
Total Program Expenses	821,140
Total COGS	821,140
Gross Profit	523,251
Expense	
General and Administrative	
MA Implementation - Prop 218	60,000
GSA Executive Director	
GSA BOD Meetings	80,950
Consult Mgmt and GSP Devel	59,288
Financial Information Coor	36,738
Funding Process (GWE Fee)	15,238
CBGSA Outreach	9,625
Support for DWR/Public Comments	5,600
Travel and Direct Costs	3,754
Total GSA Executive Director	211,193
Other Administrative	
Legal	60,000
Directors & Officers Insurance	12,000
Auditing/Accounting Fees	9,000
Other Admin Expense	200
Contingency	20,000
Total Other Administrative	101,200
Total General and Administrative	372,393
Total Expense	372,393
Net Ordinary Income	150,858
Net Income	**150,858**

Cuyama Basin GSA

Financial Statements

February 2022

CUYAMA BASIN GSA
Statement of Financial Position
As of February 28, 2022

	Feb 28, 22	Feb 28, 21	$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	1,306,506	815,984	490,521	60%
Total Checking/Savings	1,306,506	815,984	490,521	60%
Accounts Receivable				
Accounts Receivable	65,915	213,522	-147,607	-69%
Total Accounts Receivable	65,915	213,522	-147,607	-69%
Other Current Assets				
Grant Retention Receivable	246,491	247,851	-1,359	-1%
Total Other Current Assets	246,491	247,851	-1,359	-1%
Total Current Assets	1,618,912	1,277,357	341,555	27%
TOTAL ASSETS	**1,618,912**	**1,277,357**	**341,555**	**27%**
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	219,696	331,409	-111,714	-34%
Total Accounts Payable	219,696	331,409	-111,714	-34%
Total Current Liabilities	219,696	331,409	-111,714	-34%
Total Liabilities	219,696	331,409	-111,714	-34%
Equity				
Unrestricted Net Assets	763,431	636,105	127,326	20%
Net Income	635,785	309,842	325,943	105%
Total Equity	1,399,216	945,947	453,269	48%
TOTAL LIABILITIES & EQUITY	**1,618,912**	**1,277,357**	**341,555**	**27%**

CUYAMA BASIN GSA
Receipts and Disbursements
As of February 28, 2022

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Payment	07/01/2021	317673	Groundwater Extraction Fees:Bolthouse Farms	322,421.58	
Payment	07/01/2021	317673	Groundwater Extraction Fees:Bolthouse Farms - Perkins Ranch	10,296.00	
Payment	07/01/2021	0701|1B7031R020586	Groundwater Extraction Fees:Brodiaea, Inc	29,544.06	
Payment	07/14/2021	489415	Groundwater Extraction Fees:E & B Natural Resources Mgmt Corp	873.99	
Payment	07/14/2021	1273	Groundwater Extraction Fees:Cuyama Mutual Water Co.	191.10	
Payment	07/14/2021	44792	Groundwater Extraction Fees:Santa Barbara Highlands Vineyard	46,046.83	
Payment	07/14/2021	047977	Groundwater Extraction Fees:Feinstein Investments	5,566.47	
Payment	07/14/2021	50506	Groundwater Extraction Fees:Cuyama Dairy Farm	21,799.80	
Payment	07/14/2021	20334	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	12,427.35	
Payment	07/14/2021	2726	Groundwater Extraction Fees:Harrington Farms	2,565.00	
Payment	07/14/2021	2785	Groundwater Extraction Fees:Harrington Farms	2,700.00	
Check	07/16/2021	1081	Groundwater Extraction Fees:Cuyama Dairy Farm		294.81
Bill Pmt -Check	07/16/2021	1082	Minuteman Press		1,936.60
Bill Pmt -Check	08/25/2021	1083	HGCPM, Inc.		81,211.02
Bill Pmt -Check	08/25/2021	1084	Klein DeNatale Goldner		13,213.62
Bill Pmt -Check	08/25/2021	1085	Woodard & Curran Inc		87,602.63
Payment	08/30/2021	04-616441	Department of Water Resources	57,067.73	
Payment	09/24/2021	04-629078	Department of Water Resources	11,504.47	
Bill Pmt -Check	11/04/2021	1086	Daniells Phillips Vaughan & Bock		6,500.00
Bill Pmt -Check	11/04/2021	1087	HGCPM, Inc.		83,786.98
Bill Pmt -Check	11/04/2021	1088	Klein DeNatale Goldner		11,273.50
Bill Pmt -Check	11/04/2021	1089	Woodard & Curran Inc		126,979.37
Payment	12/30/2021	1514	Groundwater Extraction Fees:Brodiaea, Inc	2,954.41	
Payment	12/30/2021	1002072302	Groundwater Extraction Fees:Cuyama Orchards, Inc	22,872.00	
General Journal	12/30/2021	1006	Groundwater Extraction Fees:Cuyama Orchards, Inc		57.18
Bill Pmt -Check	01/06/2022	1091	Daniells Phillips Vaughan & Bock		1,400.00
Bill Pmt -Check	01/06/2022	1092	HGCPM, Inc.		36,063.55
Bill Pmt -Check	01/06/2022	1093	Klein DeNatale Goldner		5,079.00
Bill Pmt -Check	01/06/2022	1094	Woodard & Curran Inc		80,248.28
Payment	01/07/2022	04-720245	Department of Water Resources	84,083.52	
Total Chase - General Checking				632,914.31	535,646.54
TOTAL				**632,914.31**	**535,646.54**

CUYAMA BASIN GSA
A/R Aging Summary
As of February 28, 2022

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Groundwater Extraction Fees						
Cuyama Orchards, Inc	1,458	729	-22,143	729	85,141	65,915
Total Groundwater Extraction Fees	1,458	729	-22,143	729	85,141	65,915
TOTAL	**1,458**	**729**	**-22,143**	**729**	**85,141**	**65,915**

CUYAMA BASIN GSA
A/P Aging Summary
As of February 28, 2022

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
CA Assoc of Mutual Water Companies	0	100	0	0	0	100
HGCPM, Inc.	51,570	20,443	0	0	0	72,013
Klein DeNatale Goldner	8,376	1,474	0	0	0	9,849
Woodard & Curran Inc	97,827	39,907	0	0	0	137,734
TOTAL	**157,772**	**61,924**	**0**	**0**	**0**	**219,696**

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
July 2021 through February 2022

	Jul '21 - Feb 22	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Direct Public Funds				
Groundwater Extraction Fees	1,119,893	1,000,000	119,893	112%
Grants	93,426	97,900	-4,474	95%
GWE Late Fees	11,871	0	11,871	100%
Total Direct Public Funds	1,225,190	1,097,900	127,290	112%
Total Income	1,225,190	1,097,900	127,290	112%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Basin Model Refinement	26,708	129,940	-103,232	21%
GSP Implementation - W&C	155,747	115,787	39,960	135%
Monitoring Network - P&P/USGS	34,780	100,100	-65,320	35%
Aquifer Testing	10,699	67,704	-57,005	16%
Stakeholder Engagement	65,557	61,528	4,029	107%
Grant Proposals	25,768	53,504	-27,736	48%
Technical Support for DWR	6,206	11,012	-4,807	56%
Outreach	11,618	10,061	1,557	115%
Technical Support - CAT 1	36,439	9,232	27,207	395%
Grant Administration	6,219	6,000	219	104%
Ineligible Grant Reimb - PY	18,321	0	18,321	100%
Total Technical Consulting	398,063	564,868	-166,805	70%
Total Program Expenses	398,063	564,868	-166,805	70%
Total COGS	398,063	564,868	-166,805	70%
Gross Profit	827,127	533,032	294,095	155%
Expense				
General and Administrative				
MA Implementation - Prop 218	0	60,000	-60,000	0%
GSA Executive Director				
Adjudication Support	1,050	0	1,050	100%
Management Area Policy	6,388	0	6,388	100%
GSA BOD Meetings	60,463	53,966	6,497	112%
Consult Mgmt and GSP Devel	39,813	39,524	289	101%
Financial Information Coor	27,875	24,494	3,381	114%
Funding Process (GWE Fee)	3,019	10,158	-7,139	30%
CBGSA Outreach	5,819	6,417	-598	91%
Support for DWR/Public Comments	9,888	3,732	6,156	265%
Travel and Direct Costs	2,771	2,758	13	100%
Total GSA Executive Director	157,083	141,049	16,034	111%
Other Administrative				
Legal	26,202	40,000	-13,799	66%
Auditing/Accounting Fees	7,900	9,000	-1,100	88%
Other Admin Expense	157	200	-43	79%
Contingency	0	13,332	-13,332	0%
Total Other Administrative	34,259	62,532	-28,273	55%
Total General and Administrative	191,342	263,581	-72,239	73%
Total Expense	191,342	263,581	-72,239	73%
Net Ordinary Income	635,785	269,451	366,334	236%
Net Income	**635,785**	**269,451**	**366,334**	**236%**

CUYAMA BASIN GSA
2021/2022 Annual Operating Budget
July 2021 through June 2022

	Jul '21 - Jun 22
Ordinary Income/Expense	
Income	
Direct Public Funds	
Groundwater Extraction Fees	1,000,000
Grants	344,391
Total Direct Public Funds	1,344,391
Total Income	1,344,391
Cost of Goods Sold	
Program Expenses	
Technical Consulting	
Basin Model Refinement	194,912
GSP Implementation - W&C	173,683
Monitoring Network - P&P	131,600
Aquifer Testing	101,556
Stakeholder Engagement	92,292
Grant Proposals	80,256
Technical Support for DWR	16,520
Outreach	15,089
Technical Support - CAT 1	9,232
Grant Administration	6,000
Total Technical Consulting	821,140
Total Program Expenses	821,140
Total COGS	821,140
Gross Profit	523,251
Expense	
General and Administrative	
MA Implementation - Prop 218	60,000
GSA Executive Director	
GSA BOD Meetings	80,950
Consult Mgmt and GSP Devel	59,288
Financial Information Coor	36,738
Funding Process (GWE Fee)	15,238
CBGSA Outreach	9,625
Support for DWR/Public Comments	5,600
Travel and Direct Costs	3,754
Total GSA Executive Director	211,193
Other Administrative	
Legal	60,000
Directors & Officers Insurance	12,000
Auditing/Accounting Fees	9,000
Other Admin Expense	200
Contingency	20,000
Total Other Administrative	101,200
Total General and Administrative	372,393
Total Expense	372,393
Net Ordinary Income	150,858
Net Income	**150,858**

TO: Board of Directors
Agenda Item No. 8

FROM: Jim Beck / Brian Van Lienden

DATE: May 4, 2022

SUBJECT: Direction on Reconciling Differences in Groundwater Sustainability Plan Versions

Issue
Reconciling differences between Groundwater Sustainability Plan versions.

Recommended Motion
Recommend: (1) Submitting the correct version of Section 7 as part of the amended GSP in July, and (2) updating the GSP Executive Summary on the CBGSA website with the GSP version submitted to DWR.

Discussion
Staff was recently made aware that the Groundwater Sustainability Plan (GSP) submitted to the California Department of Water Resources (DWR) is slightly different from the GSP version approved by the Cuyama Basin Groundwater Sustainability Agency Board.

Staff performed a PDF comparison between the two versions (provided as Attachment 2) and determined the following:

- An incorrect draft of Section 7 was inadvertently included in the GSP package submitted to DWR in January 2020.
- Almost all of the differences between the final version posted on the CBGSA website and the version provided to DWR were editorial or formatting changes that did not substantively alter the GSP.
- The only substantive differences that were found include the following statements that should be added to the version submitted to DWR:
    - Page 7-1: “Management actions and projects within these management areas may be managed by another party pursuant to any agreement with the CBGSA”
    - Page 7-16: Water Supply Transfers/Exchanges section – “Because this action is intended only as a complement to a potential stormwater or floodwater capture project, all potential purchase transfer water would originate outside of the Cuyama River watershed, and this action would not include the transfer or sale of existing Cuyama Basin groundwater out of the watershed.”
- The final paragraph on page ES-13 in the Executive Summary submitted to DWR states the following: “Both Management Areas will be administered by the CBGSA. However, the CBGSA

- may elect to delegate administrative responsibility to another party." In this case, the version provided to DWR was correct and staff recommends updating the CBGSA website version with this text.
- All other sections and appendices contained only very minor, editorial changes that resulted in slight differences between the two versions.

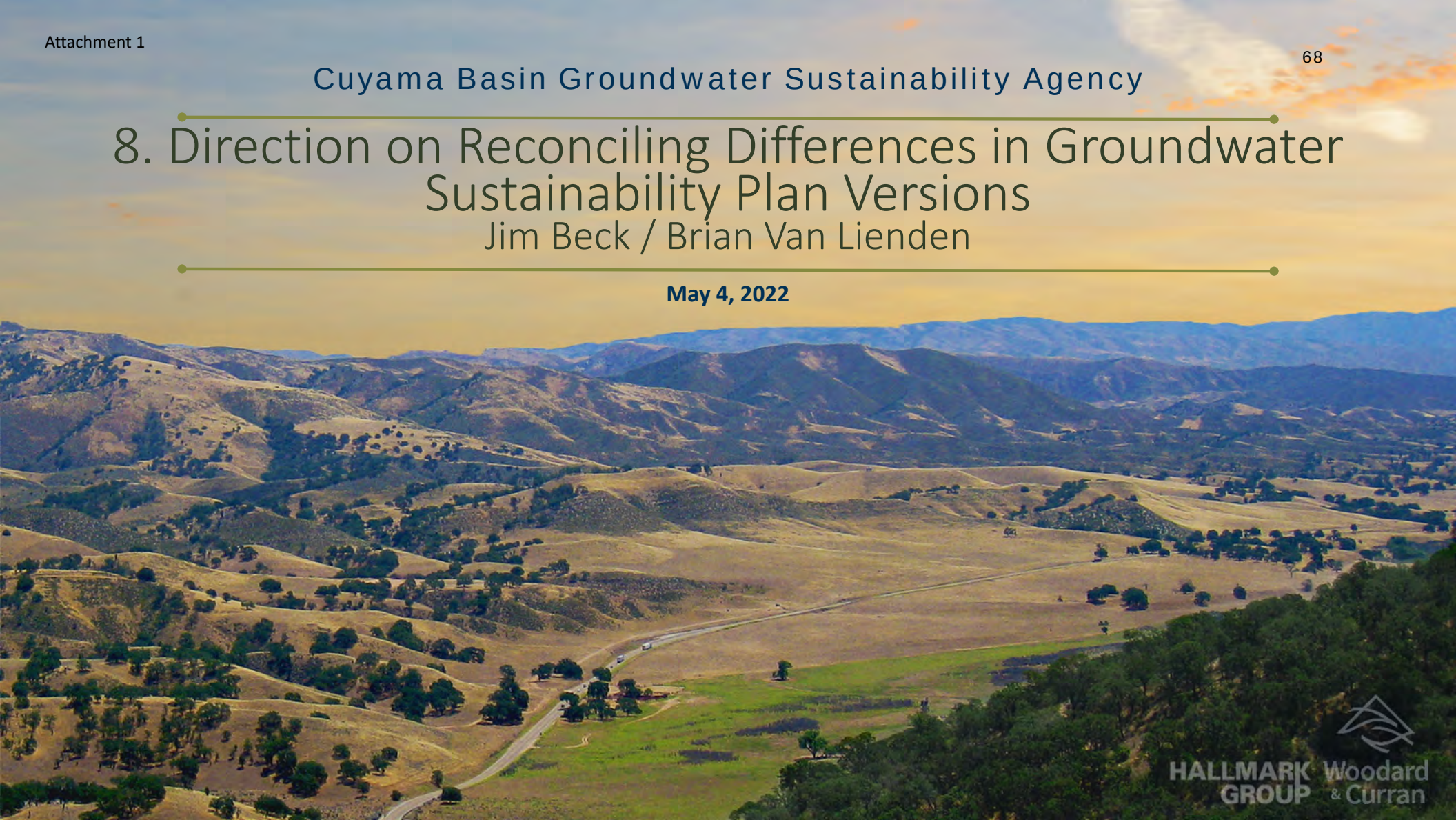
Attachment 1 provides background information and recommendations for reconciling these two versions.

Cuyama Basin Groundwater Sustainability Agency

8. Direction on Reconciling Differences in Groundwater Sustainability Plan Versions

Jim Beck / Brian Van Lienden

May 4, 2022



Reconciling Differences in GSP Versions

- GSP submitted to DWR is slightly different from GSP approved by CBGSA Board:
  - An incorrect draft of Chapter 7 was inadvertently included in the GSP package submitted to DWR
  - The Executive Summary was updated per Board direction prior to DWR submittal, but the CBGSA website was not updated
  - All other sections had only very minor, editorial differences

Reconciling Differences in GSP Versions

- The only substantive differences that were found include the following statements that should be added to the version submitted to DWR:
  - Page 7-1: “Management actions and projects within these management areas may be managed by another party pursuant to any agreement with the CBGSA”
  - Page 7-16: Water Supply Transfers/Exchanges section – “Because this action is intended only as a complement to a potential stormwater or floodwater capture project, all potential purchase transfer water would originate outside of the Cuyama River watershed, and this action would not include the transfer or sale of existing Cuyama Basin groundwater out of the watershed.”
- The final paragraph on page ES-13 in the Executive Summary submitted to DWR states the following: “Both Management Areas will be administered by the CBGSA. However, the CBGSA may elect to delegate administrative responsibility to another party.” In this case, the version provided to DWR was correct and staff recommends updating the CBGSA website version with this text

Reconciling Differences in GSP Versions

- DWR feedback
- **Recommendation:**
  - Submit the correct version of Section 7 as part of the amended GSP in July
  - Update the Executive Summary on the CBGSA website with the version submitted to DWR

TO: Board of Directors
Agenda Item No. 9

FROM: Jim Beck / Alex Dominguez / Brian Van Lienden

DATE: May 4, 2022

SUBJECT: Direction on Amended Groundwater Sustainability Plan

Issue
Review of Amended GSP.

Recommended Motion
Board direction requested.

Discussion
The Cuyama Basin Groundwater Sustainability Agency (CBGSA) submitted its Groundwater Sustainability Plan (GSP) to the California Department of Water Resources (DWR) on January 28, 2020. On June 3, 2021, DWR provided a consultation letter outlining four (4) deficiencies with the GSP. The CBGSA Board developed a technical memo responding to DWR's consultation letter and submitted it to DWR on August 5, 2021. On January 21, 2022, DWR made an "incomplete" determination of the GSP in its official review of the GSP; however, this determination did not consider the technical memo.

On February 10, 2022, the DWR/CBGSA Coordination ad hoc met with DWR for a consultation meeting to review the technical memo submitted to DWR in August 2021 and a summary of DWR's feedback was presented at the March 2, 2022, Board meeting.

Staff updated the technical memo based on DWR's feedback from the February 10, 2022, consultation meeting and is provided as Attachment 2 for review and comment. A second DWR consultation meeting is scheduled for April 28, 2022, and staff will update the Board on the feedback received from that meeting. Background information, the resubmittal process and the timeline are provided as Attachment 1.

The final, amended GSP will be presented for consideration of approval at a public hearing on July 6, 2022.

Cuyama Basin Groundwater Sustainability Agency

9. Direction on Amended Groundwater Sustainability Plan

Jim Beck / Joe Hughes / Brian Van Lienden

May 4, 2022

Official DWR GSP Determination

- **January 28, 2020:** Cuyama Basin GSP submitted to DWR
- **June 3, 2021:** DWR Consultation Letter
  - Four (4) deficiencies identified
- **November 5, 2021:** GSA tech memo submitted to DWR
- **January 21, 2022:** Official DWR GSP determination
  - "Incomplete"
  - Same information from June 3rd consultation letter
  - Did not account for tech memo in review of GSP
- **February 10, 2022:** Consultation with DWR to review tech memo
- **March 2, 2022:** CBGSA Board provides direction on updating tech memo
- **April 28, 2022**: Consultation with DWR on updated tech memo

April 28, 2022, Consultation Meeting

DWR	Cuyama Basin GSA
Tim Godwin, Supervising Engineering Geologist, Sustainable Groundwater Management Office	**Derek Yurosek**, Board Chair
Tim Ross, Supervising Engineering Geologist, Southern Region Office	**Cory Bantilan**, Director
Andrew Shaw, Supervising Engineer Geologist, Groundwater Sustainability Plan Review Section Chief	**Paul Chounet**, Director
Monica Reis, Supervising Engineer Geologist, Groundwater Sustainability Plan Review Section Chief	~~**Glenn Shephard**, Director~~
Jack Tung, Senior Engineering Geologist, Southern Region Office	**Jane Wooster**, Director
Hanspeter Walter, Legal Counsel	**Jim Beck**, Executive Director
	Joe Hughes, Legal Counsel
	Alex Dominguez, Legal Counsel
	Brian Van Lienden, Technical Project Manager
	Taylor Blakslee, Assistant Executive Director

DWR Comments on Tech Memo

Deficiency 1: *The GSP lacks justification for, and effects associated with, the sustainable management criteria for groundwater levels*

DWR Feedback

- DWR requesting more narrative on the adaptive management process; wants to ensure the GSA is not waiting until month 24 to take action for wells below their minimum thresholds
- DWR requesting quantifiable impacts to seven wells potentially impacted by groundwater levels falling to minimum thresholds (impacts to x number of domestic connections, x cost for loss of irrigated farming, etc.)

GSA Response

- Added supplemental text providing additional description of the Adaptive Management process if groundwater management may adversely affect beneficial users
- Estimated potential impacts of dry wells and included in documents:
  - 4-5 households may be served by 3 potentially affected domestic wells
  - 2 acres of irrigated vineyards may be served by 2 potentially affected ag production wells (estimated cost of about $10,000-15,000 per year)

DWR Comments on Tech Memo

Deficiency 2: *The GSP does not fully describe the use of groundwater levels as a proxy for depletion of interconnected surface water*

DWR Feedback

- Include additional narrative on plan to incorporate piezometers
- Clarify that ISW well network will use same undesirable results criteria (30% of wells below MT for 24 consecutive months)

GSA Response

- Added text discussing GSA efforts to fund and implement piezometers in the Basin
- Added text stating that the undesirable result for ISW will be 30% of ISW wells below MT for 24 consecutive months

DWR Comments on Tech Memo

Deficiency 3: *The GSP does not fully address degraded water quality*

DWR Feedback

- DWR requesting clarity for ongoing data collection of basin water quality, particularly focusing on the constituents of concern; arsenic, nitrate and total dissolved solids (TDS)
- DWR requesting clarity on what conditions the GSA would establish sustainable management criteria for arsenic and nitrates
- DWR seeking clarification on CBGSA intent to use information being collected to develop appropriate management actions to address identified undesirable water quality conditions

GSA Response

- The description of the monitoring approach for nitrates and arsenic has been enhanced and expanded upon
- Text clarifying that arsenics and nitrates will be re-evaluated with each 5-year GSP update has been added
- A description of anticipated actions if groundwater conditions related to nitrates and arsenic begin to negatively affect beneficial users has been added to the section

DWR Comments on Tech Memo

Deficiency 4: *The GSP does not provide explanation for how overdraft will be mitigated in the basin*

DWR Feedback

- No changes requested to tech memo

GSA Response

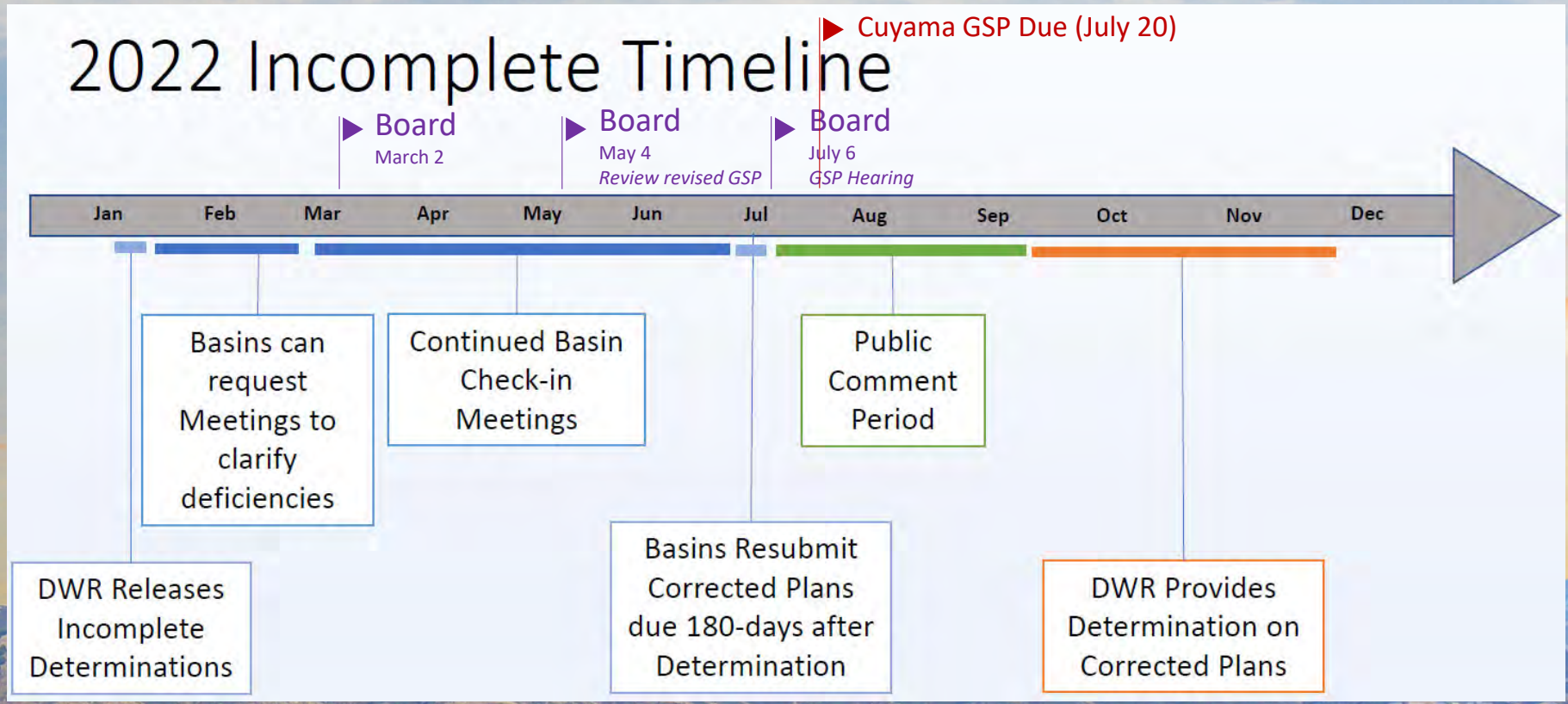
- No significant changes made

GSP Resubmittal Process

DWR Guidance/Direction	Cuyama Basin GSA Proposed Plan
• The GSA's legal counsel should consider if re-adoption of the GSP is necessary • If re-adoption is needed, GSAs should follow processes laid out in SGMA and the Regulations, such as a 90-day advance notice to Cities and Counties can be done well in advance of finalizing amendments	• Provide 90-day notice and set hearing date for July 6, 2022 • Develop draft revised GSP with an ad hoc • Review revised GSP with Board and stakeholders at May 4, 2022, Board meeting • Hold public hearing to adopt revised GSP on July 6, 2022
• Materials to be submitted: o Clean and redline-strikeout version of revised GSP(s) o Updated GSP elements guide to identify those sections modified o Edits must be clear part of GSP and planned implementation o If re-adopted, provide those materials	• Submit revised GSP that will include: o Revised GSP sections with inserts from revised technical memo directly in GSP document o Entire revised technical memo as Appendix
• Upload revised GSP to portal	

HALLMARK GROUP Woodard & Curran

Timeline


2022 Incomplete Timeline
Cuyama GSP Due (July 20)
Board
March 2
Board
May 4
Review revised GSP
Board
July 6
GSP Hearing
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Basins can request Meetings to clarify deficiencies
Continued Basin Check-in Meetings
Public Comment Period
DWR Releases Incomplete Determinations
Basins Resubmit Corrected Plans due 180-days after Determination
DWR Provides Determination on Corrected Plans

DRAFT TECHNICAL MEMORANDUM

TO: ~~Craig Altare, California Department of Water Resources~~Paul Gosselin, California Department of Water Resources Deputy Director

PREPARED BY: Woodard & Curran on Behalf of the Cuyama Valley Groundwater Basin Groundwater Sustainability Agency

DATE: ~~November 5, 2021~~May 4, 2022

~~RE: Cuyama Basin GSA Response to DWR's June 3, 2021, Consultation Letter~~

RE: Cuyama Basin GSA Response to DWR's January 21, 2022, Determination Letter

1. INTRODUCTION

The Cuyama Valley Groundwater Basin Groundwater Sustainability Agency (CBGSA) received a ~~Consultation Initiation~~GSP Determination Letter (Letter) on ~~June 3, 2021~~January 21, 2022 (Attachment 1), from the California Department of Water Resources (DWR). The Letter ~~was intended to provide~~ provided the CBGSA with ~~a preview of potential corrective actions that could be included in~~ the ~~official review letter~~ final determination of the Cuyama Basin Groundwater Sustainability Plan (GSP) ~~from DWR. Receiving this Letter also allows~~and the necessary corrective actions required for approval. Per SGMA regulations, the CBGSA ~~additional time to address potential corrective actions before the official review is released, which triggers~~was given a 180-day correction period to update and address any deficiencies in the GSP.

DWR previously provided an initial consultation letter on June 3, 2021, previewing the results specified in the Letter. During the August 18, 2021, Board Meeting, the CBGSA laid out a framework for responding to the ~~Letter~~initial consultation letter and provided that framework in a ~~letter~~response addressed to Mr. Craig Altare (Groundwater Sustainability Plan Review Section Chief), dated August 27, 2021 ~~(Attachment 2).~~.

This memorandum ~~includes~~is the culmination of the analysis and work outlined in the framework provided to Mr. Altare~~.~~ ~~This memorandum~~ as well as additional analysis based on direction provided by the CBGSA, and is intended to supplement the Cuyama Basin GSP that was submitted in January 2020 and fill potential gaps identified in the Letter provided by DWR. ~~Future updates to the GSP will include the information and analysis, or an updated version of the information and analysis, provided in this memorandum~~While this memorandum is attached to the GSP as Appendix X, sections of text from this memorandum are included in revised GSP sections where appropriate in blue font to indicate which text has been added. Those reading the GSP will be able to see what text and analysis has been added to ensure the GSP addresses the deficiencies identified by DWR while reviewing the original text. No additional changes have been made to the GSP submitted in January 2020.

~~This technical memorandum provides~~The following sections provide a thorough response to each ~~potential~~ corrective action ~~in the sections below~~.

2. POTENTIAL CORRECTIVE ACTION 1: PROVIDE JUSTIFICATION FOR, AND EFFECTS ASSOCIATED WITH, THE SUSTAINABLE MANAGEMENT CRITERIA

DWR requests additional information regarding the justification for the sustainable management criteria included in the GSP and the effects of those criteria on beneficial users in the Basin. DWR identified two issues ~~that should be addressed~~ as part of this corrective action:

1. ~~Providing~~Provide a more detailed description of the criterion used to identify undesirable results (URs~~)~~); and
2. ~~Providing~~Provide additional information regarding how the groundwater level minimum thresholds (MTs) are consistent with avoiding undesirable results, with a particular emphasis on the MTs in the Northwestern Region.

The following subsections address each of these issues by providing:

- A summary of this Potential Corrective Action in the Letter
- A brief review of information, justification, and data provided in the GSP
- A discussion with supplemental information, justification, and data as needed to support the GSP.

2.1 Defining the Criterion Used to Identify Undesirable Results

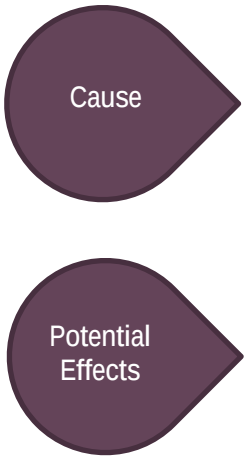
2.1.1 Initial Review and Opinion Provided by DWR

~~In the~~The Letter~~, DWR~~ states that UR statements do not, "~~identifying~~identify[] the specific significant and unreasonable effects that would constitute undesirable results… [and~~] does~~ do] not provide an explanation for the specific significant and unreasonable condition(s) that the GSA intends to avoid in the Basin through implementation of the GSP." Although the GSP includes subsections in Section 3: Undesirable Results, titled *Identification of Undesirable Results*, the Letter states there is no, "explanation for why the criterion is consistent with avoiding significant and unreasonable effects that constitute undesirable results."

2.1.2 Review of Information and Data Provided in Submitted GSP

The ~~Cuyama~~ GSP provides a description of URs and Identification of URs for each of the applicable sustainability indicators in Section 3. For example, UR subsections for groundwater levels are as follows:

> *"Description of Undesirable Results*
>
> *The Undesirable Result for the chronic lowering of groundwater levels is a result that causes significant and unreasonable reduction in the long-term viability of domestic, agricultural, municipal, or environmental uses over the planning and implementation horizon of this GSP.*
>
> *Identification of Undesirable Results*
>
> *This result is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e., 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years.*



Potential Causes of Undesirable Results

Potential causes of Undesirable Results for the chronic lowering of groundwater levels are groundwater pumping that exceeds the average sustainable yield in the Basin, and changes in precipitation in the Cuyama Watershed in the future.

Potential Effects of Undesirable Results

If groundwater levels were to reach Undesirable Results levels, the Undesirable Results could cause potential de-watering of existing groundwater infrastructure, starting with the shallowest wells, could potentially adversely affect groundwater dependent ecosystems, and could potentially cause changes in irrigation practices, crops grown, and adverse effects to property values. Additionally, reaching Undesirable Results for groundwater levels could adversely affect domestic and municipal uses, including uses in disadvantaged communities, which rely on groundwater in the Basin."

Each applicable sustainability indicator has been provided the same level of discussion in the GSP. The following are the *Identification of Undesirable Results* statements for each of the applicable sustainability indicators.

- Chronic Lower of Groundwater Levels - This result is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e., 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years.
- Reduction of Groundwater Storage - This result is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e., 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years.
- Degraded Water Quality - This result is considered to occur during GSP implementation when 30 percent of the representative monitoring points (i.e., 20 of 64 sites) exceed the minimum threshold for a constituent for two consecutive years.
- Land Subsidence - This result is detected to occur during GSP implementation when 30 percent of representative subsidence monitoring sites (i.e., 1 of 2 sites) exceed the minimum threshold for subsidence over two years.
- Depletions of Interconnected Surface Water - This result is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e., 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years.

It should be noted that as planned in the GSP Implementation, some monitoring networks have been modified for efficiency, access agreement obstructions, and to minimize burden on the GSA and its operating budget. These adjustments are ongoing and the CBGSA has continued to utilize the same percent criteria as above in its management of the Basin.

2.1.3 Supplemental GSP Information in Response to DWR Letter

~~A review of SGMA regulations,~~The following text has been added to the GSP:

Supplemental to Section ~~354.26 (3.3 – Evaluation of the Presence of~~ Undesirable Results~~) provides three descriptive characteristics about~~

SGMA requires the description of URs ~~(subsections (b) (1-3)).~~to include the following information:

1. The cause of the UR.
2. A quantifiable criterion used to describe when a UR occurs.
3. Potential effects on beneficial uses and users, on land uses and property interests, and other potential effects that may occur from URs.

(Cal. Code Regs., tit. 23, § 354.26, subd. (b)(1) – (3).)

The information currently provided in the Section 3 of the GSP satisfies ~~these regulations~~this regulation by providing the text, explanations, and quantitative descriptions and justifications for URs. Each of these three descriptive characteristics are labeled in the excerpt from Section 3 of the GSP provided above in Subsection 2.1.2 of the Technical Memorandum using the left-hand bubble callout labels. Furthermore, the GSP ~~provided~~provides a quantifiable criterion (ratio of wells) to describe the conditions it would expect to see the potential effects as described.

To address the concerns raised in the ~~DWR~~ Letter, the following additional information is provided regarding the rationale for the criteria used in the GSP (i.e. "30% of exceedances over 24 consecutive months") to define the point at which Basin conditions cause *significant and unreasonable* effects to occur.

The term "significant and unreasonable" is not defined by SGMA regulations. Instead, the conditions leading to this classification are determined by the GSA, beneficial users, and other interested parties in each basin. In the ~~Cuyama~~ Basin, the identification of ~~undesirable results~~URs were developed through an extensive stakeholder-driven process that included:

- Careful consideration of input from local stakeholders and landowners;
- A conceptualization of the hydrogeological conceptual model;
- An assessment of current and historical conditions and best available data; and
- Local knowledge and professional opinion.

The CBGSA recognizes the lack of reliable historical data and acknowledges the limitations and uncertainties it causes (see *Data Gaps* and *Plan to Fill Data Gap* subsections of *Section 4 – Monitoring Networks* and *Section 8 – Implementation Plan* for addressing those limitations). However, the re-assessment of thresholds and UR statements will be a likely component of future GSP updates. These future revisions will utilize the detailed and reliable data collected by the GSA during the first five years of GSP implementation.

The 30 percent of wells exceeding their MT for 24 consecutive months criteria included in the GSP allows the CBGSA the flexibility to identify the cause of MT exceedances and to develop a plan for response (per the Adaptive Management approach described in Section 7.6 of the GSP). Potential causes of MT exceedances could include:

- Prolonged drought;
- Pumping nearby the representative well; and
- Unreliable and non-representative data used to calculate the MT.

Mimimum threshold exceedances in multiple wells is considered more indicative of a basin-scale decline in groundwater levels and potential adverse imapcts on groundwater infrastructure, as apposed to a more localized groundwater level declines, which could be assocaited with nearby pumping. Furthermore, groundwater levels in areas of the ~~basin~~Basin change in response to climatic conditions and therfore, sustained exceedances of mimimum thresholds are considered to be more signicant than short-term exceedances. Setting the *Identification of*

Undesirable Results criteria at 30 percent or more of wells exceeding their MT is intended to reflect undesirable results at the basin-scale, and using 24 consecutive months allows the GSA time to address issues, perform investigations, and implement projects and management actions as needed.

With respect to the Depletions of Interconnected Surface Water (ISW) – in conjunction with a representative monitoring network specific to ISW - the UR for ISW has been modified to be considered to occur during GSP implementation when 30 percent of representative ISW monitoring wells (i.e. 3 of 9) fall below their minimum groundwater elevation thresholds for 2 consecutive years.

Supplemental to Section 7.6 Adaptive Management

Adaptive management strategies may also be triggered for other reasons, such as reports by stakeholders of Basin conditions that have impacted beneficial uses or users. Stakeholders may notify the CBGSA of their concerns by (i) submitting a publicly available well reporting form (available on the CBGSA website) to the GSA, (i) contacting the Basin manager as described in Section 1.1.1 – Contact Information, or (iii) bringing the concerns to public meetings.

If an investigation based on monitoring data and/or stakeholder reporting indicates that groundwater management in the Basin may be adversely affecting beneficial users, the CBGSA Board will determine if a response by the CBGSA is required. This will include the formation of an ad hoc committee to investigate the cause(s) of changing Basin conditions, conducting data analysis, and discussion of potential adaptive management response strategies. If appropriate, the CBGSA will implement response strategies to correct the issue; these strategies could include localized pumping management plans, installation of additional monitoring, installation of replacement wells, ~~suggested irrigation changes,~~ potential changes to sustainability criteria or pumping reduction schedule included in the GSP, or other solutions to address specific concerns and Basin conditions.

2.2 Additional Information on Groundwater Level Minimum Thresholds

2.2.1 Initial Review and Opinion Provided by DWR

The second part of this potential corrective action seeks additional information to explain how each threshold region's groundwater level MTs are consistent with avoiding ~~undesirable results~~URs, "particularly… in the Northwestern threshold region." For every threshold region, DWR requests that the ~~GSA~~CBGSA evaluate and provide the potential effects that MTs and URs would have on:

- Well infrastructure, including domestic, community, public, and agricultural wells; and
- Environmental uses and users of groundwater.

2.2.2 Review of Information and Data Provided in Submitted GSP

The CBGSA developed six specific Threshold Regions for the development of thresholds for chronic lowering of groundwater levels. The six threshold regions were defined to allow areas with similar conditions to be grouped together for calculating Measurable Objectives (MOs), MTs, and Interim Milestones (IMs). These threshold regions are shown in Figure 2-1, and a detailed description of each threshold region is provided in *GSP Section 5.2 – Chronic Lower of Groundwater Levels*. Table 2-1~~Table 2-1~~2-1 provides a summary of the approach used to establish the MT for chronic lowering of groundwater levels for each ~~threshold region~~Threshold Region.

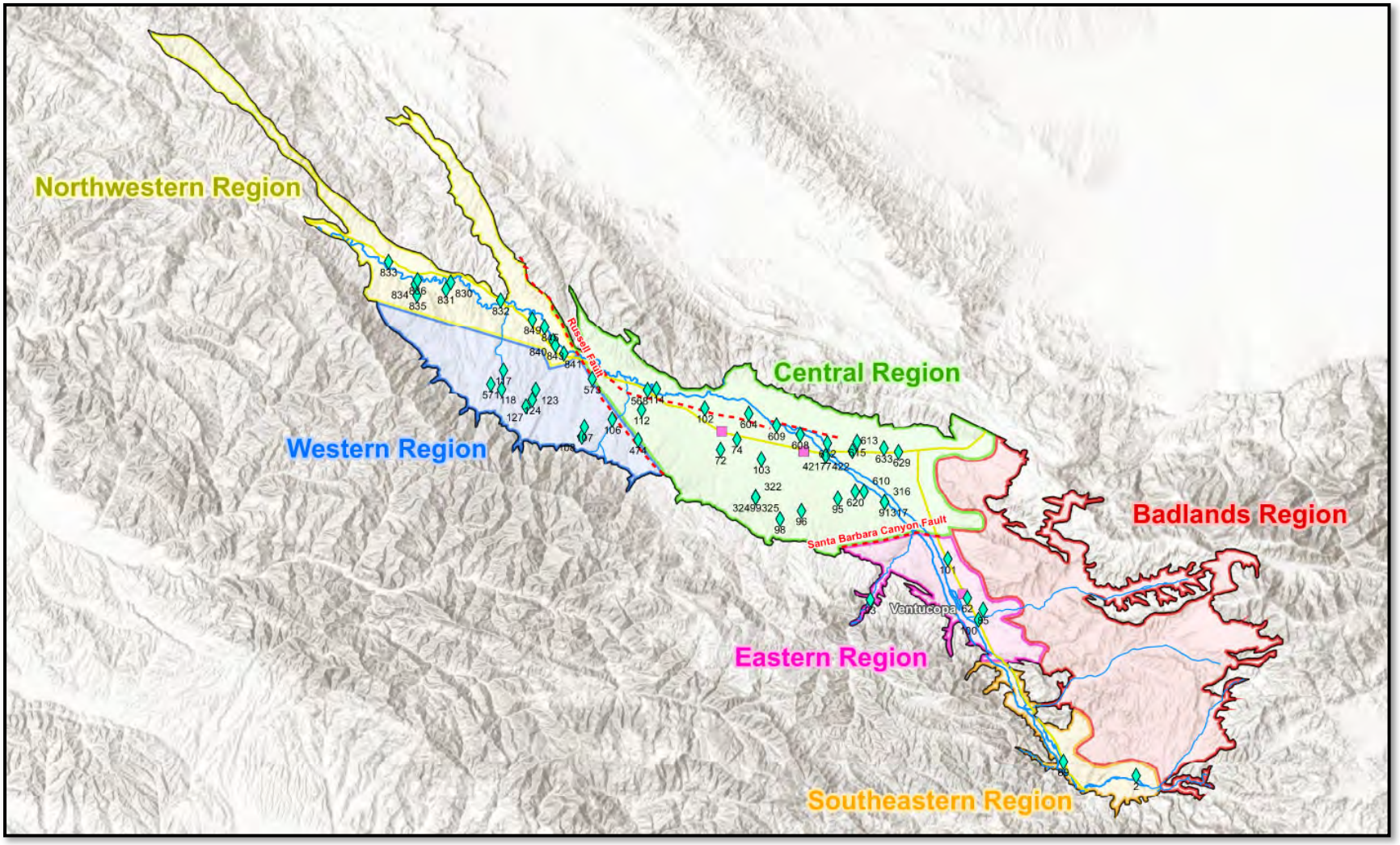


Figure 2-1. Cuyama Basin Threshold Regions

Table 2-1. Summary of MT Calculations for Chronic Lowering of Groundwater Levels for Each Threshold Region

Threshold Region	MT Calculation Approach	Justification
Northwestern	The MT for this region was found by determining the region's total average saturated thickness for the primary storage area and calculating 15 percent of that depth. This value was then set as the MT.	Monitoring in this threshold region indicates levels are stable, with some declines in the area where new agriculture is established. Due to these hydrologic conditions, the MT was set to protect the water levels from declining significantly, while allowing beneficial land surface uses (including domestic and agricultural uses) and using the storage capacity of this region.
Western	The MT was calculated by taking the difference between the total well depth and the value closest to mid-February, 2018, and calculating 15 percent of that depth. That value was then subtracted from the mid-February, 2018 measurement to calculate the MT.	Monitoring in this threshold region indicates groundwater levels are stable, and levels varied significantly depending on where representative wells were in the region. The most common use of groundwater in this region is for domestic use. Due to these hydrologic conditions, the MT was set to protect the water levels from declining significantly, while allowing beneficial land surface uses of the groundwater and protection of current well infrastructure. Values from mid-February, 2018, are used because data collected during this time represent a full ~~basin~~Basin condition. This calculation allows users in this region to use their groundwater supply without increasing the risk of running a well beyond acceptable limits, and this methodology is responsive to the variety of conditions and well depths in this region.
Central	MT was calculated by finding the maximum and minimum groundwater levels for each representative well and calculating 20 percent of the historical range. This 20 percent was then added to the depth to water measurement closest to, but not before, January 1, 2015, and no later than April 30, 2015.	Monitoring in this threshold region indicates a decline in groundwater levels, indicating an extraction rate that exceeds recharge rates. The MT for this region is set to allow current beneficial uses of groundwater while reducing extraction rates over the planning horizon to meet sustainable yield. The MO is intended to allow sufficient operational flexibility for future drought conditions.
Eastern	The MT was calculated by taking the total historical range of recorded groundwater levels and used 35 percent of the range. This 35 percent was then added below the value closest to January 1, 2015 (as described above).	Monitoring in this threshold region indicates a downward trend in groundwater levels. However, much of this downward trend is due to hydrologic variability and may be recovered in the future. Therefore, MTs have been set to allow for greater flexibility as compared to other regions. The MT for wells in this region intends to protect domestic, private, public and environmental uses of the groundwater by allowing for managed extraction in areas that have beneficial uses and protecting those with at risk infrastructure.

Threshold Region	MT Calculation Approach	Justification
Southeastern	MT was calculated by subtracting five years of groundwater storage from the MO. MO was calculated by finding the measurement taken closest to (but not before) January 1, 2015 and not after April 30, 2015.	Per SGMA Regulations, the CBGSA is not required to improve conditions prior to those seen when SGMA was enacted on January 1, 2015. Historical data also shows that groundwater levels are static except during drought conditions (experienced from 2013 to 2018) indicating this area of the Basin is generally at capacity. Because URs were not experienced during this last drought, setting MTs at five years of drought storage will provide the CBGSA a threshold that is protective of domestic, private, public, and environmental uses while providing operational flexibility during drought conditions.
Badlands	None	This threshold region has no groundwater use or active wells. As a result, no MO, MT, or IM was calculated.

2.2.3 Supplemental GSP Information in Response to DWR Letter

The following text has been added to the GSP:

Supplemental to Section 5.2 – [Minimum Thresholds, Measurable Objectives and Interim Milestones for the Chronic Lowering of Groundwater Levels]

The groundwater levels ~~minimum thresholds~~MTs included in the GSP were developed with the intention of avoiding the ~~undesirable results~~URs of excessive drawdowns in the ~~basin~~Basin while minimizing the number of domestic wells that go dry and the potential impacts on GDEs in the ~~basin~~Basin. Following receipt of DWR's letter, two technical analyses were performed to provide additional information related to the effects of the ~~GSPs~~GSP's groundwater levels ~~minimum thresholds~~MTs and ~~undesirable results~~URs definitions on well infrastructure (i.e., domestic, public, and other production wells) and on environmental uses of groundwater (i.e., GDEs).

The results of these analyses demonstrate that the ~~minimum thresholds~~MTs included in the GSP achieve the goals of avoiding ~~undesirable results~~URs in the ~~basin~~Basin. In particular, the following conclusions can be made:

- The sustainability criteria are protective of production wells (including domestic wells) in the Basin. Only ~~5~~five wells (~~2%~~two percent of all wells in the ~~basin~~Basin) are at risk of going dry if ~~minimum thresholds~~MTs are reached throughout the ~~basin~~Basin (i.e., at all representative wells). The CBGSA will strive to prevent domestic wells in the ~~basin~~Basin from going dry through the Adaptive Management approach included in the GSP (Section 7.6~~),~~) which ~~call~~calls for an investigation of the potential ~~issues if~~causes of groundwater ~~levels approach minimum thresholds.~~ level declines and the development of appropriate response strategies. Therefore, the potential for a small number of domestic wells to be at risk is not considered to be a significant and unreasonable result.

- A numerical modeling analysis of proposed ~~minimum thresholds~~MTs at Wells 841 and 845 show that these thresholds would have no negative impact on local domestic wells and only minimal impact at a single GDE location. Stream depletions could potentially increase by a small amount.

The results of these technical analyses demonstrate that the ~~minimum thresholds~~MTs included in the GSP are protective against significant and unreasonable results for production wells and GDEs in the ~~basin~~Basin. The approach and results of each technical analysis are described below.

Assessment of Minimum Thresholds as Compared to Domestic and Production Well Screen Intervals

An assessment was performed of the ~~minimum threshold~~MT levels included in the GSP as compared to the well screen intervals of production wells throughout the ~~basin~~Basin to try to determine how many production wells may be at risk of going dry if the groundwater levels were to fall to ~~minimum threshold~~MT levels at monitoring well locations throughout the ~~basin~~Basin. The assessment was performed using well location and construction information provided by the counties that overlie the ~~basin~~Basin, including Santa Barbara, San Luis Obispo, Ventura, and Kern. To accomplish this, the CBGSA collected all available well data from public sources and the four ~~Counties~~counties in tabular formats. In the ~~northwestern region~~Northwestern Region, well completion reports were also individually collected, processed, and included in the analysis.

Wells were processed in GIS by utilizing their screen interval~~, and where~~ (or well depth if screen interval ~~information~~data was unavailable~~, their well depths,)~~to compare those values with ~~minimum thresholds~~MTs at monitoring wells located throughout for the Basin. Some basic filtering criteria were applied to the analysis to remove wells from consideration, including those wells that are destroyed or non-compliant in the county datasets, wells that are far away from active

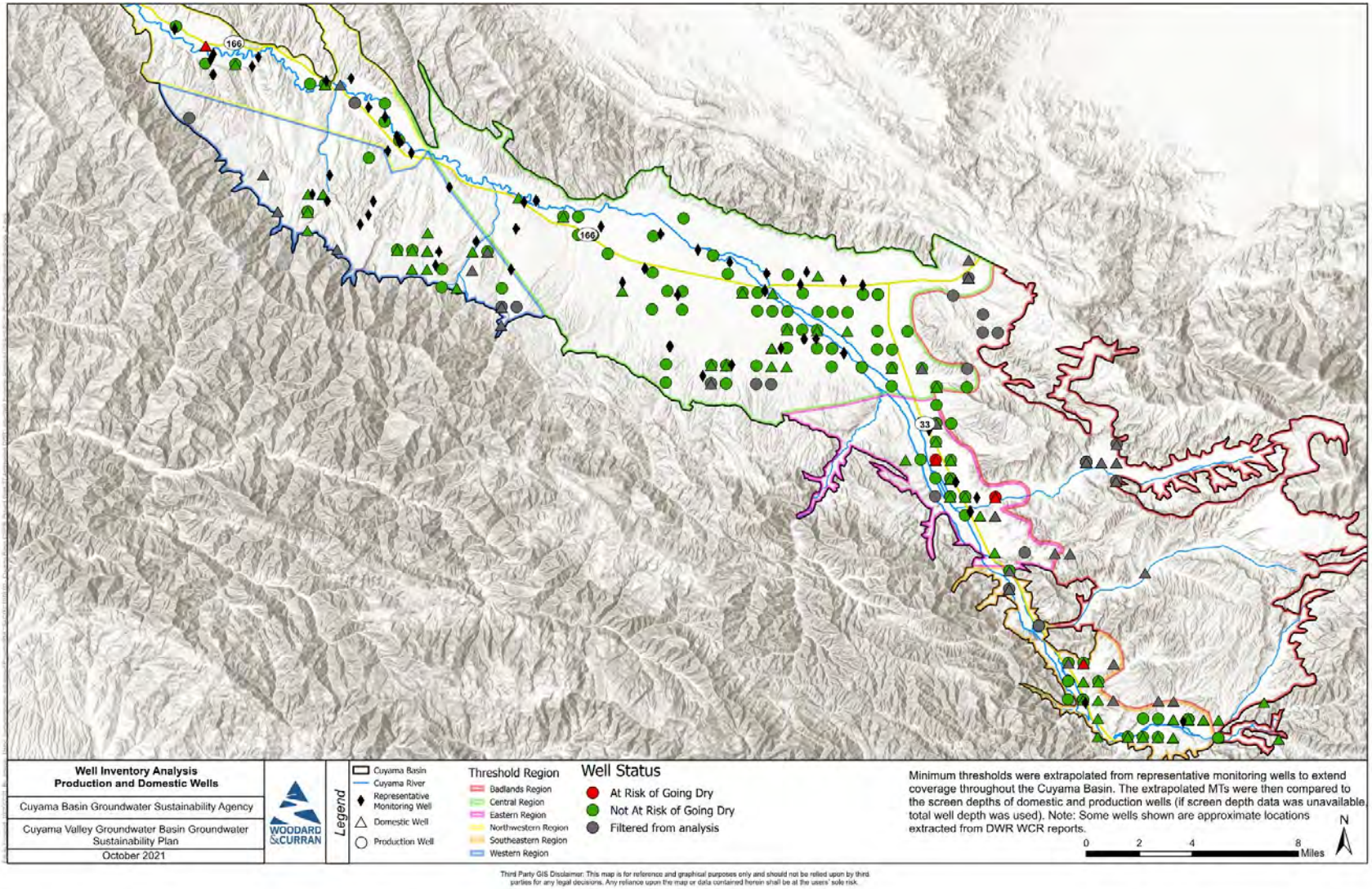
groundwater management and monitoring (e.g.., the Badlands region), and thosewells that were already dry as of January 1, 2015.

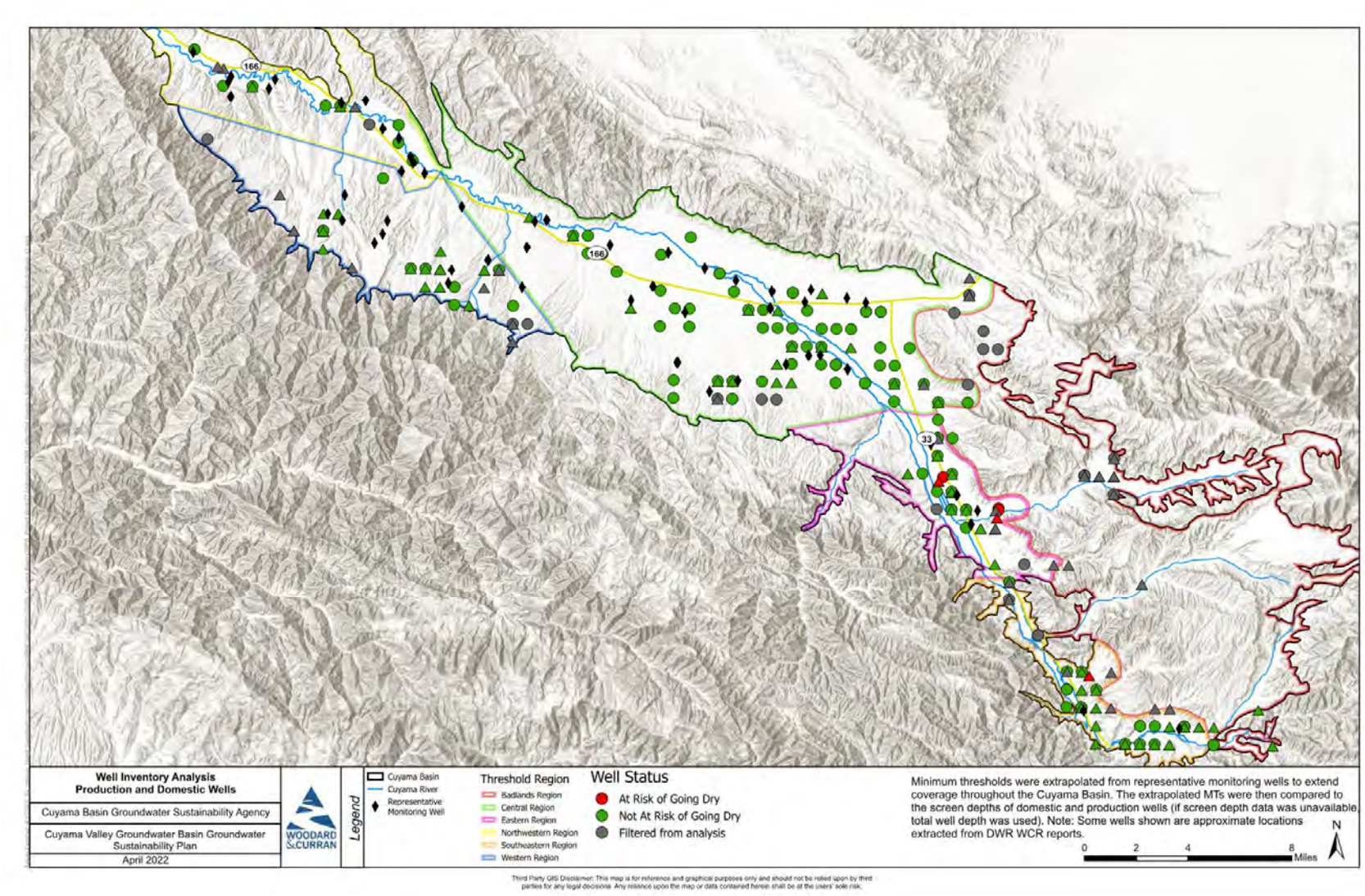
The results of the analysis are shown in Table 2-2 and Figure 2-2. Out of a total of 250 production wells that were evaluated, a total of seven (3%five (two percent of the total) are at risk of going dry if minimum thresholdsMTs are reached. FourThree of these sevenfive wells are domestic wells. As noted above, the CBGSA will strive to use adaptive management to prevent these domestic wells from going dry.

The CBGSA conducted an investigation to determine the potential impacts if these wells were to go dry. The three domestic wells appear to serve approximately four or five households between them. The two production wells serve vineyards with a total irrigated acreage of approximately two acres. Given that the entire basin encompasses about 18,000 irrigated acres, two acres represents about 0.01 percent and would appear to be a less than significant impact. Based on data developed for the direct economic impact analysis conducted for the Cuyama Basin, it is estimated that loss of production in these acres would represent a loss of about $10,000-15,000 per year.

Table 2-2. Domestic and Production Wells and MT Summary Statistics

Threshold Region	Total Number of Production Wells	Domestic Wells at Risk to Go Dry if GWLs reach MTs	Total Production Wells at Risk to Go Dry if GWLs reach MTs	Percentage of Wells at Risk of Going Dry
Northwestern	16	10	10	60%
Western	40	0	0	0%
Central	89	0	0	0%
Eastern	39	2	54	1310%
Southeastern	66	1	1	2%
Whole Basin	*250*	*43*	*75*	*32%*


166
166
33
Well Inventory Analysis
Production and Domestic Wells
Cuyama Basin Groundwater Sustainability Agency
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan
October 2021
WOODARD &CURRAN
Legend
Cuyama Basin
Cuyama River
Representative Monitoring Well
Domestic Well
Production Well
Threshold Region
Badlands Region
Central Region
Eastern Region
Northwestern Region
Southeastern Region
Western Region
Well Status
At Risk of Going Dry
Not At Risk of Going Dry
Filtered from analysis
Minimum thresholds were extrapolated from representative monitoring wells to extend coverage throughout the Cuyama Basin. The extrapolated MTs were then compared to the screen depths of domestic and production wells (if screen depth data was unavailable, total well depth was used). Note: Some wells shown are approximate locations extracted from DWR WCR reports.
0 2 4 8 Miles
N
Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk.



Supplemental Figure 2-2. Well Status Based on Minimum Threshold Analysis

Modeling Analysis of Northwestern Threshold Groundwater Levels Minimum Thresholds

Concern was presented in DWR's Letter about whether the thresholds established in the ~~northwestern threshold region~~Northwestern Threshold Region at Opti wells 841 and 845 are protective of nearby beneficial users of water. Specifically, ~~concern was raised that~~DWR questioned what impact(s) may occur to nearby domestic wells and GDEs if groundwater levels were to reach MTs in representative wells ~~what impact may occur to nearby domestic wells and GDEs~~. To address this, the Cuyama Basin Water Resources Model (CBWRM) was used to simulate groundwater level conditions by artificially dropping groundwater levels near Opti Wells 841 and 845 to the set MTs. This was done by assigning specified head boundary conditions at the MT levels for the model nodes near these well locations. The simulation was run for 10 years over the historical period between water years (WY) 2011 to 2020 during which the specified head boundary conditions at the MT levels were continuously active.

Figure 2-3 shows the modeled change in groundwater elevations resulting from setting groundwater levels at the ~~minimum thresholds~~MTs at wells 841 and 845. Areas shaded in red or tan color on the figure had reduced groundwater elevations as compared to the baseline condition. Areas shaded in lime green were unaffected by the change in groundwater elevations at the well 841 and 845 locations. As shown in the figure, there are no active domestic wells within the area affected by the lowered groundwater elevations at wells 841 and 845. The only GDE which may be affected is the GDE located at the confluence of Cottonwood Creek and the Cuyama River, which has an expected impact of less than 5 feet. However, even with this difference, the estimated depth to water at this GDE location would be shallower than 30 feet. Potential impacts on this GDE location will be monitored at nearby Opti well 832.

As noted above, the other potential beneficial use that may be affected comes from Cuyama River inflows into Lake Twitchell. The model simulation also showed an increase in stream depletion in the affected portion of the aquifer of about 1,200 acre-feet per year. This represents about 12 percent (out of 10,200 ~~afy~~AFY) of the modeled streamflow in the Cuyama River at this location during the WY 2011-2020 model simulation period. However, the actual change in inflows into Lake Twitchell would be less than 1,200 ~~afy~~AFY because of stream depletions that would occur between Cottonwood Creek and Lake Twitchell. For comparison, during the same period the USGS gage on the Cuyama River just upstream of Lake Twitchell (11136800) recorded an average annual flow of 7,900 ~~afy~~AFY, only a portion of which comes from the Cuyama Basin. Given the lack of data regarding the hydrology and stream seepage between Cottonwood Creek and Lake Twitchell, it is uncertain how much of an impact this would have on the flows that ultimately are stored in Lake Twitchell.

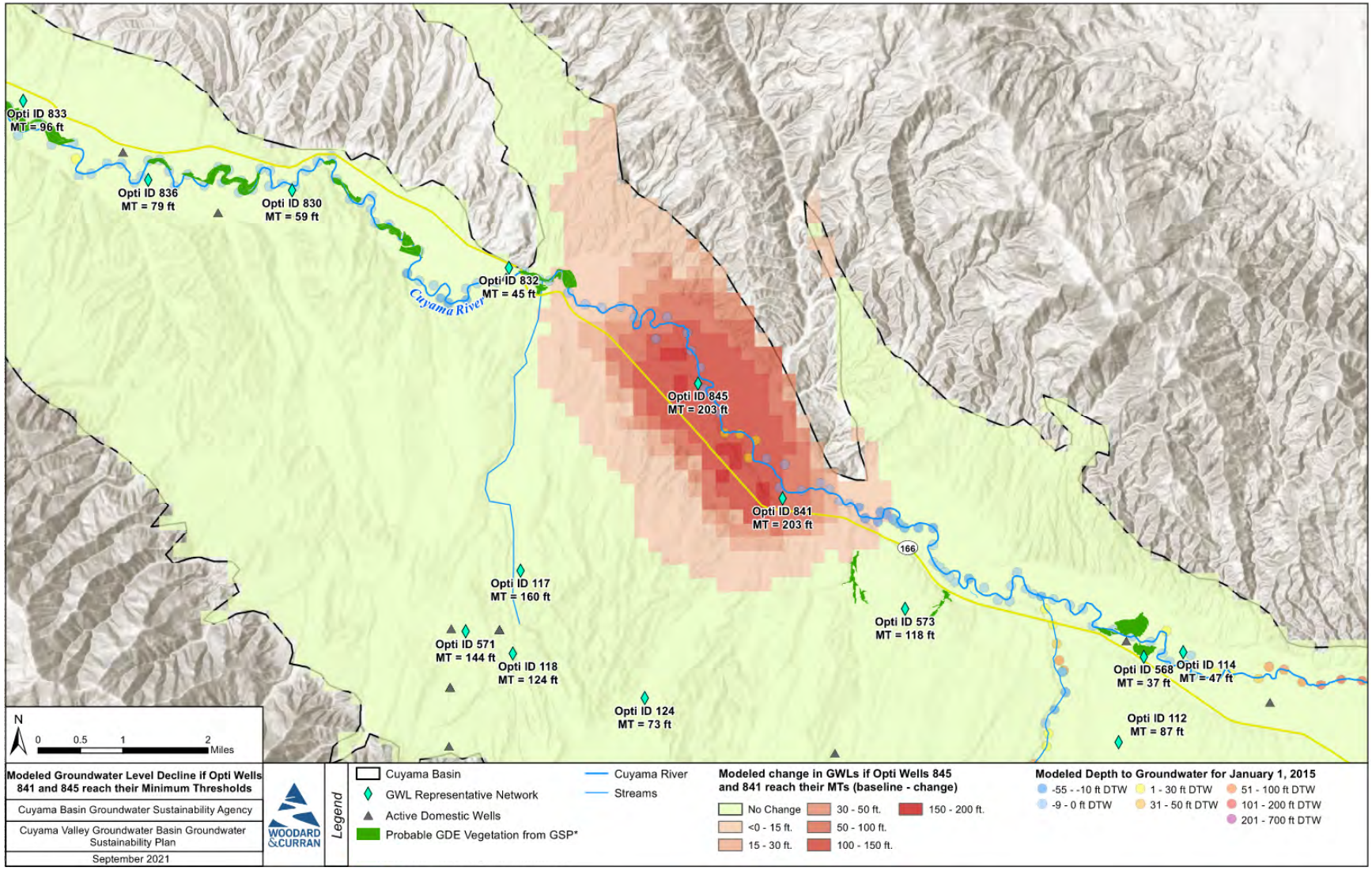


Figure 2-3. Change in Groundwater Levels in Northwestern Region from CBWRM Test Simulation

3. POTENTIAL CORRECTIVE ACTION 2: USE OF GROUNDWATER LEVELS AS A PROXY FOR DEPLETION OF INTERCONNECTED SURFACE WATER

3.1 Initial Review and Opinion Provided by DWR

As described in the Letter, DWR requests supporting evidence to justify the CBGSA's use of the basin-wide groundwater level ~~minimum thresholds~~MTs as a reasonable proxy for thresholds for depletions of ~~interconnected surface water (~~ISW~~).~~. It is the understanding of the CBGSA that the primary objection to the CBGSA's approach was the utilization of the entire groundwater level representative network as a one-for-one proxy for ~~interconnected surface waters.~~ISWs. This is because not all groundwater representative monitoring sites are necessarily appropriate for monitoring for depletion of ~~interconnected surface waters~~ISWs.

3.2 Review of Information and Data Provided in Submitted GSP

As stated in the SGMA regulations, as well as mentioned in the Letter, utilizing a sustainability indicator as a proxy for another is allowed if supported by adequate evidence. The submitted GSP provides justification for using groundwater levels thresholds as a proxy for ~~interconnected surface waters~~ISWs in Sections 3.2.6 and 5.7 with supporting descriptions of surface water and groundwater interactions in Sections 2.1.9 and 2.2.8.

As described in Sections. 2.1.9 of the GSP, the primary surface water body in the Basin is the Cuyama River. Flows in the Cuyama River are perennial, with most dry seasons seeing little to no flow. There are also four main contributing streams and other ~~more~~ minor contributing streams. The Cuyama River and all ~~of the~~ contributing streams are dry during most of the year, with flows occurring only during precipitation events during the winter months. Nearly all precipitation in the Basin and contributing watersheds percolate into the primary aquifer. The Cuyama River and four primary contributing streams were modeled, with the estimates of gaining and losing quantities provided in Table 2-2 of the GSP.

As noted in the plan, there is limited data available pertaining to the shallow aquifer system or to the quantity and timing of streamflows in the Basin. To help address this deficiency, the CBGSA recently installed new streamflow gages on the Cuyama River. In addition, in Section 2.2.9, the GSP recommended the installation of piezometers in the vicinity of the streambed to provide additional shallow aquifer groundwater level measurements.

3.3 Updates to GSP in Response to DWR Letter

~~The CBGSA agrees that additional evidence and/or description may be warranted for justifying the use of groundwater levels as a proxy for interconnected surface waters. Specifically, the CBGSA feels~~The following text has been added to the GSP:

Supplemental to Section 4.10 – Depletions of Interconnected Surface Water Monitoring Network

The CBGSA believes that identifying a subset of groundwater level representative monitoring wells for use in ISW monitoring, and providing a rationale for their selection, adequately addresses concerns provided in the Letter~~.~~ and provides adequate data collection and montioring for ISWs.

3.3.1 Summary of Potential Undesirable Results for Interconnected Surface Waters

Depletions of ISW are related to chronic lowering of groundwater levels via changes in the hydraulic gradient. Therefore, declines in groundwater elevations in portions of the river system that are hydrologically connected to the river system can lead to increased depletions of surface water. As shown in Figure 3-1, an analysis of the results of the historical simulation of the Cuyama Basin Water Resources Model (CBWRM) reveals that many portions of the

stream system in the ~~basin~~Basin were already disconnected as of 2015 and, therefore. ISW flows in these stream reaches would not be affected by changes in groundwater levels. The primary areas of concern for ISW are on stretches of the Cuyama River upstream of Ventucopa and downstream of the Russell Fault.

Because the Cuyama River does not flow during most days of the year and the river is not subject to environmental flow regulations, the primary beneficial uses of Cuyama River streamflows are GDEs and water users who utilize water that may flow into Lake Twitchell downstream of the ~~basin~~Basin boundary. Lowering groundwater levels could result in reduced streamflows for beneficial use by these users. Therefore, the intent of the ISW monitoring network and sustainability criteria is to ensure that long-term groundwater level declines do not occur in the vicinity of the connected stretches of the Cuyama River.

Figure 3-1. Potential Stream Interconnectivity using Historical Modeled Groundwater Levels in January 2015

3.3.2 Approach for ISW Monitoring and Sustainability Criteria

To develop an ISW monitoring network, a subset of wells from the groundwater levels representative monitoring network has been used to create a depletion of ~~interconnected surface water~~ISW representative monitoring network. Wells not included in the groundwater levels monitoring network were also considered; but no additional wells were identified that would be suitable for ISW monitoring. After consulting ~~DWRs~~DWR's BMPs for Monitoring Networks and Identification of Data Gaps, the following criteria were used to select wells to be included in the ~~interconnected surface water~~ISW representative network:

1. ~~They~~Wells that are within 1.5-miles of the Cuyama River and/or 1-mile of one of the four major contributing streams to the Cuyama River, including Aliso Creek, Santa Barbara Creek, Quantal Canyon Creek, and Cuyama Creek,
2. ~~They~~Wells that have screen intervals within 100 feet below ground surface (bgs). In some cases, wells without screen interval information but with well depths greater than 100 feet bgs were included, under the assumption that the screen interval was less than 100 feet bgs. In many of these wells, recent groundwater depth to water measurements were 40 feet bgs or less.

DWR BMP *Monitoring Networks and Identification of Data Gaps*, provides the following guidance for well selection: "Identify and quantify both timing and volume of groundwater pumping within approximately 3 miles of the stream or as appropriate for the flow regime." However, the CBGSA has chosen to use a 1.5-mile buffer around the Cuyama River and a 1-mile buffer around the major contributing streams because the Basin's unique and dynamic geological and topographical conditions require a narrower window so that the ISW monitoring network wells would cover just the portion of Valley in the vicinity of the River system (and not extend into the foothill areas with significant topographical changes).

In addition, depletions of ~~interconnected surface waters~~ISWs occur at the interaction of surface and groundwater, which is in the shallow portion of the aquifer. In general, wells with completions or depths within 100 ~~ft~~feet bgs are preferable to provide more useful information about this near surface interaction. Common practice is to also only include wells that are in areas of interconnectivity or areas where interconnectivity conditions are close to those that define interconnectivity (for example, areas with groundwater levels between 30 to 50-feet below ground surface). Due to the limited number of available wells in the Cuyama Basin with screen intervals (or where screen interval data is not available, well depth) of less than 100 ~~ft~~feet bgs, the proposed ISW network includes only five wells. Additional monitoring locations will need to be identified to fill data gaps in the ISW network as discussed below.

The resulting ISW monitoring network is shown in Table 3-1 and Figure 3-2 below. The monitoring network includes 12 wells, nine of which are representative wells for which minimum thresholds and measurable objective have been defined. ~~Minimum thresholds~~The MT, MO, and UR criteria (30 percent of representative wells below their MTs for two consecutive years) are the same as those calculated and provided in the groundwater level representative network for the groundwater level monitoring. MTs at the representative well locations are protective of GDE locations in the upper and lower portions of the river, with ~~minimum thresholds~~MTs less than 30 feet from the bottom of the river channel in the vicinity of four wells (89, 114, 830 and 832). Note that ~~well~~Well 906 is part of a new multi-completion well that was constructed in the summer of 2021 under DWR's Technical Support Services; while ~~will~~Well 906 is a representative well, sustainability criteria will not be developed for this well until a history of groundwater level measurements has been established. While the three non-representative wells in the central ~~basin~~portion of the Basin are too deep for direct monitoring of ISW flows, they are included to allow the GSA to monitor potential groundwater level increases that could result in reconnection between the river and aquifer in the central ~~basin~~Basin going forward.

Table 3-1. Interconnected Surface Water Monitoring Network

Opti ID	Threshold Region	Well Depth (feet bgs)	Screen Interval	Minimum Threshold (feet bgs)	Measurable Objective (feet bgs)
Representative Wells					
2	Southeastern	73	Unknown	72	55
89	Southeastern	125	Unknown	64	44
114	Central	58	Unknown	47	45
568	Central	188	Unknown	37	36
830	Northwestern	77	Unknown	59	56
832	Northwestern	132	Unknown	45	30
833	Northwestern	504	Unknown	96	24
836	Northwestern	325	Unknown	79	36
906	Northwestern	Unknown	50-70	TBD	TBD
Other Monitoring Network Wells					
101	Central	200	Unknown	n/a	n/a
102	Central	Unknown	Unknown	n/a	n/a
421	Central	620	Unknown	n/a	n/a

The proposed network includes the following data gaps which will need to be filled in the future:

- Due to the shortage of shallow monitoring wells available to include in the network, additional shallow aquifer measurement devices will be needed. As noted above, the CBGSA has called for the installation of piezometers in the vicinity of the streambed.

- A spatial data gap exists along the Cuyama River in between Well 89 and Ventucopa. Note that significant stretches of the Cuyama River (particularly in the ~~Central~~central area of the Basin) were already disconnected from the groundwater aquifer in 2015 (as discussed in Section 2.2.8 of the GSP).

The CBGSA has requested funding for the installation of six piezometers under the recently awarded DWR SGMA grant. The specific locations for these additional piezometers will be determined through technical analysis and stakeholder and landowner engagement with the goals of filling gaps in the ISW monitoring network and of providing better information regarding the condition of GDEs in the Basin.

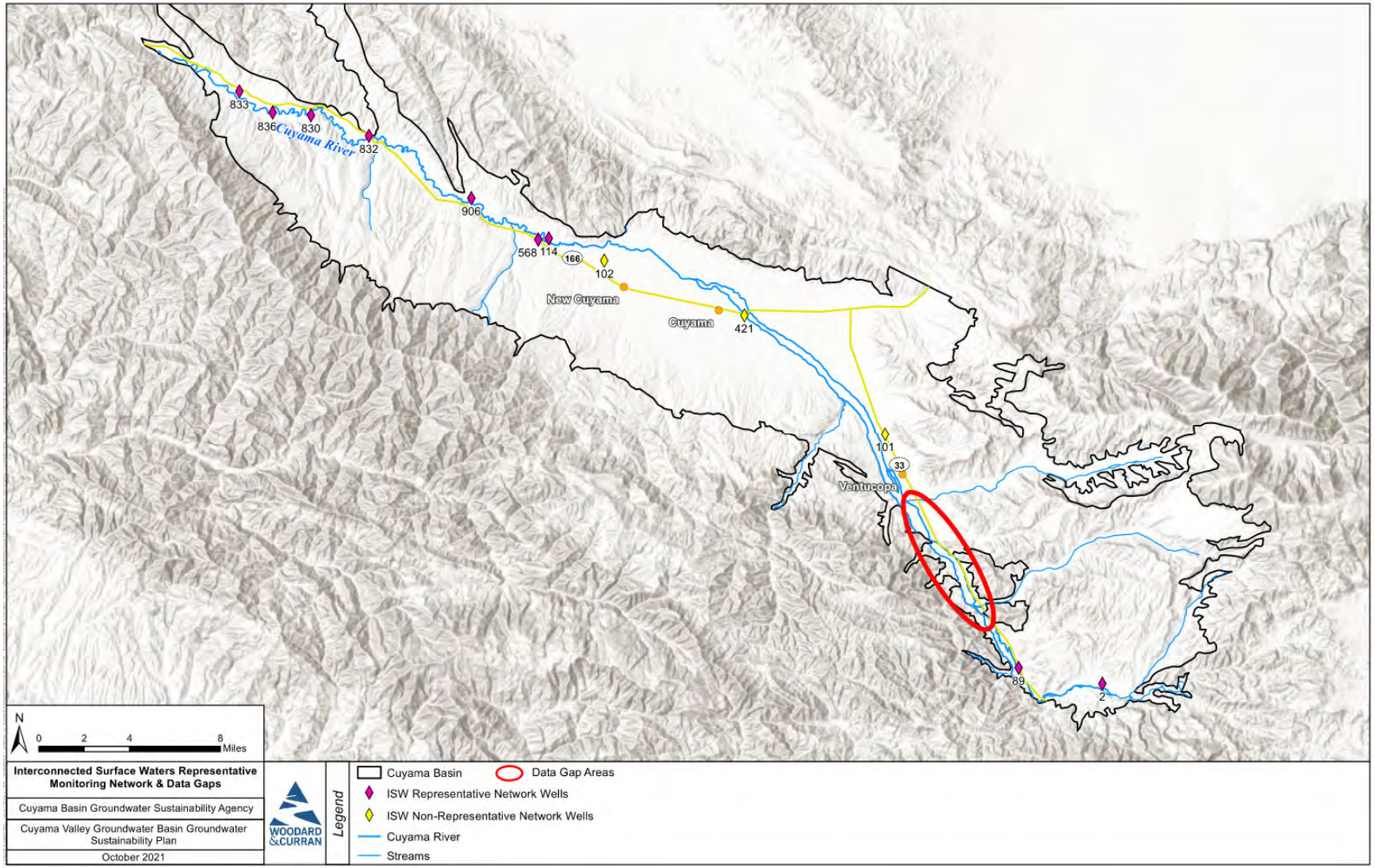


Figure 3-2. Interconnected Surface Water Monitoring Network

4. POTENTIAL CORRECTIVE ACTION 3: FURTHER ADDRESS DEGRADED WATER QUALITY

4.1 Initial Review and Opinion Provided by DWR

DWR's Letter expressed two main concerns about the water quality analysis and constituent thresholds used in the GSP. First, the GSP acknowledges that nitrate and arsenic have been historical constituents of concern, but due to regulatory limitations, did not set thresholds for these two constituents. Second, based on feedback provided in a public comment, there was concern that some public data was not included in the water quality analysis conducted for the Basin. DWR believes that the GSA may have approached the management strategies differently (through setting thresholds for these constituents) if this data had been utilized. DWR recommended the following to address the concerns raised in the letter:

- Groundwater conditions information related to water quality should be updated to include all available data, in particular as recommended by the Regional Water Quality Control Board, so as to reflect the best available information regarding water quality.
- The GSA should either develop sustainable management criteria for arsenic and nitrate or provide a thorough, evidence-based description for why groundwater management is unlikely to cause significant and unreasonable degradation of groundwater.
- The GSA should appropriately revise its monitoring network based on the above updates. At a minimum, the GSA should include monitoring for arsenic and nitrates as they have been identified as constituents of concern in the ~~basin~~Basin.

4.2 Review of Information and Data Provided in Submitted GSP

As discussed in Section 4.3.3 of the GSP, water quality data for the Basin was collected from the Irrigated Lands Program (ILP), Groundwater Ambient Monitoring and Assessment (GAMA) Program, United States Geological Survey (USGS), Cuyama Community Services District (CCSD), Ventura County Water Protection District, and private landowners. Staff performed detailed analysis to ensure that wells included in multiple datasets were paired correctly at to the best of their ability, remove duplicate measurements and data.

The GSP includes a monitoring network (Section 4.8) and sustainability criteria (Section 5.5) for management of TDS in the ~~basin~~Basin.

The GSP discussion noted that the CBGSA does not have the ability or authority to perform actions to address nitrate or arsenic levels in the Basin. Nitrate concentrations are directly related to fertilizer application on agricultural crops, and SGMA regulations do not provide GSAs the regulatory authority to manage fertilizer application. This regulatory authority is, however, held by the SWRCB through the ILP. Additionally, arsenic is naturally occurring, and has only been measured in limited regions of the ~~basins~~Basin.

4.3 Updates to GSP in Response to DWR Letter

The following sections provided updated information in response to the three actions recommended by DWR.

4.3.1 Updates to Groundwater Conditions Descriptions

The following text has been added to the GSP:

Supplemental to Section 2.2.7 [Basin Settings: Groundwater Conditions for] Groundwater Quality

Additional data collection efforts were performed for nitrate and arsenic measurements, including collecting updated data from publicly available data portals such as GAMA, CEDEN, GeoTracker, and the National Water Quality Monitoring Council that were previously accessed during GSP development. In addition to accessing the public portals for each program, staff coordinated with RWQCB staff to ensure that all publicly available data was collected. It was confirmed by RWQCB staff that all available data for the ILP program were included in the online GAMA data portal download. Some of these public portals have overlapping data that, where possible, were removed, to develop a comprehensive data set for the Basin.

Summary statistics for nitrate (as N) and arsenic measurements taken from 2010-2020 are shown in Table 4-1. For nitrates, 41 of the 102 wells with measurements during this period recorded a measurement exceeding the MCL of 10 mg/L. For arsenic, ~~5~~five of the 23 wells with measurement recorded a measurement exceeding the MCL of 10 µg/L. Figures 4.1 and 4.2 show the locations of wells with monitoring measurements for nitrates and arsenic during the 2010-2020 period and the average concentrations measured in each well. In each case, the wells with average values exceeding the MCLs correspond with the wells tabulated in Table 4-1. A review of the data for wells with measurements both before and after 2015 showed little change with no wells showing degradation of nitrate or arsenic such that a well that was below the MCL before 2015 was above the MCL afterwards.

Table 4-1. Summary Statistics for Nitrate (as N) and Arsenic

	Nitrate (as N)	Arsenic
Number of monitoring wells	102	23
Number of wells with recorded MCL exceedances from 2010-2020	41	5

As shown in Figures 4-1 and 4-2, most wells with nitrate and arsenic concentrations exceeding MCLs are located in the central threshold region. The locations of high arsenic concentrations are focused to the south of the town of New Cuyama near the existing Cuyama Community Services District (CCSD) well. This is a known issue for the CCSD that will be mitigated by the construction of a replacement well for the district, which was included as a project in the GSP (see section 7.4.4).

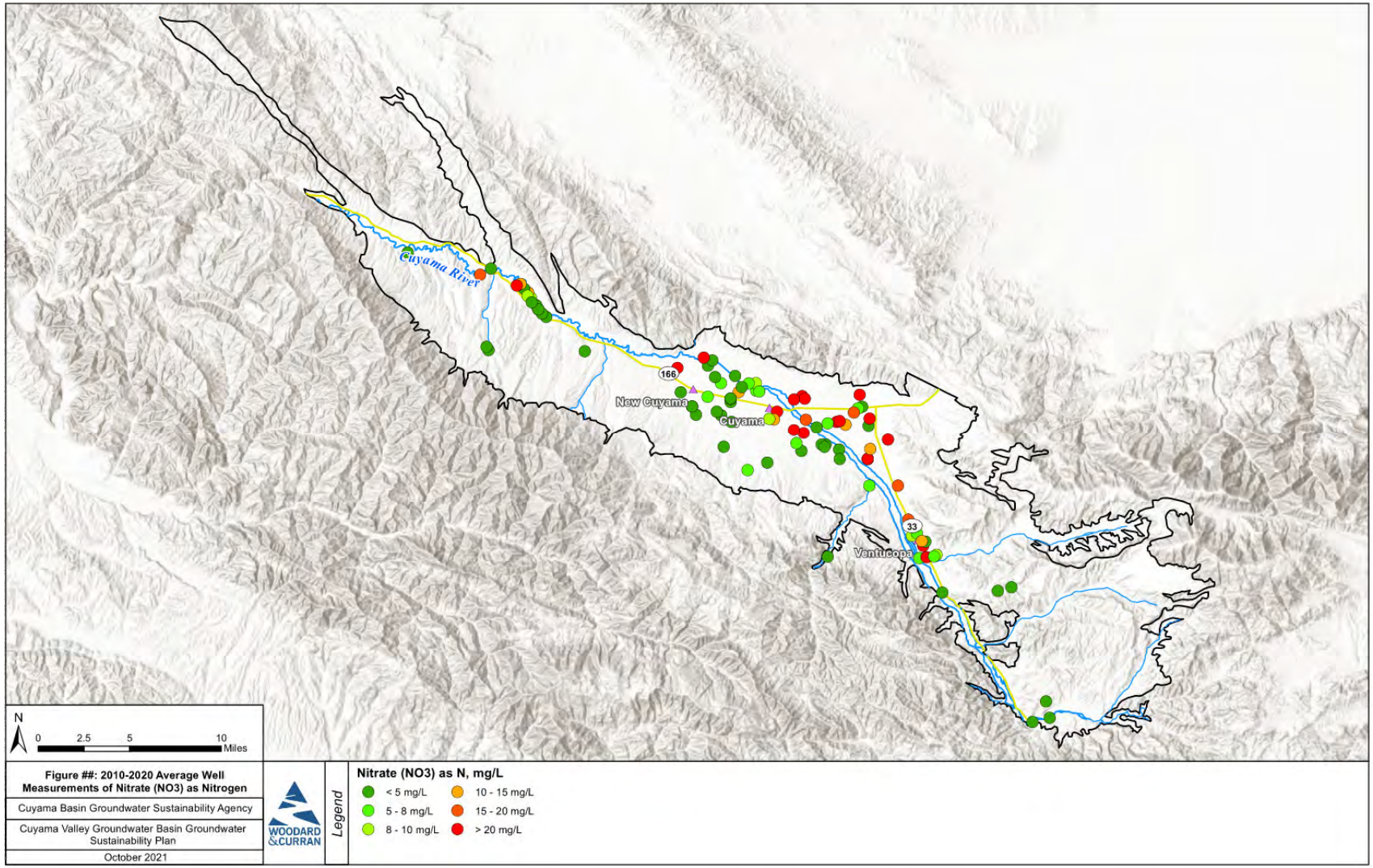


Figure 4-1. Average Well Measurements of Nitrate (as N) from 2010 through 2020

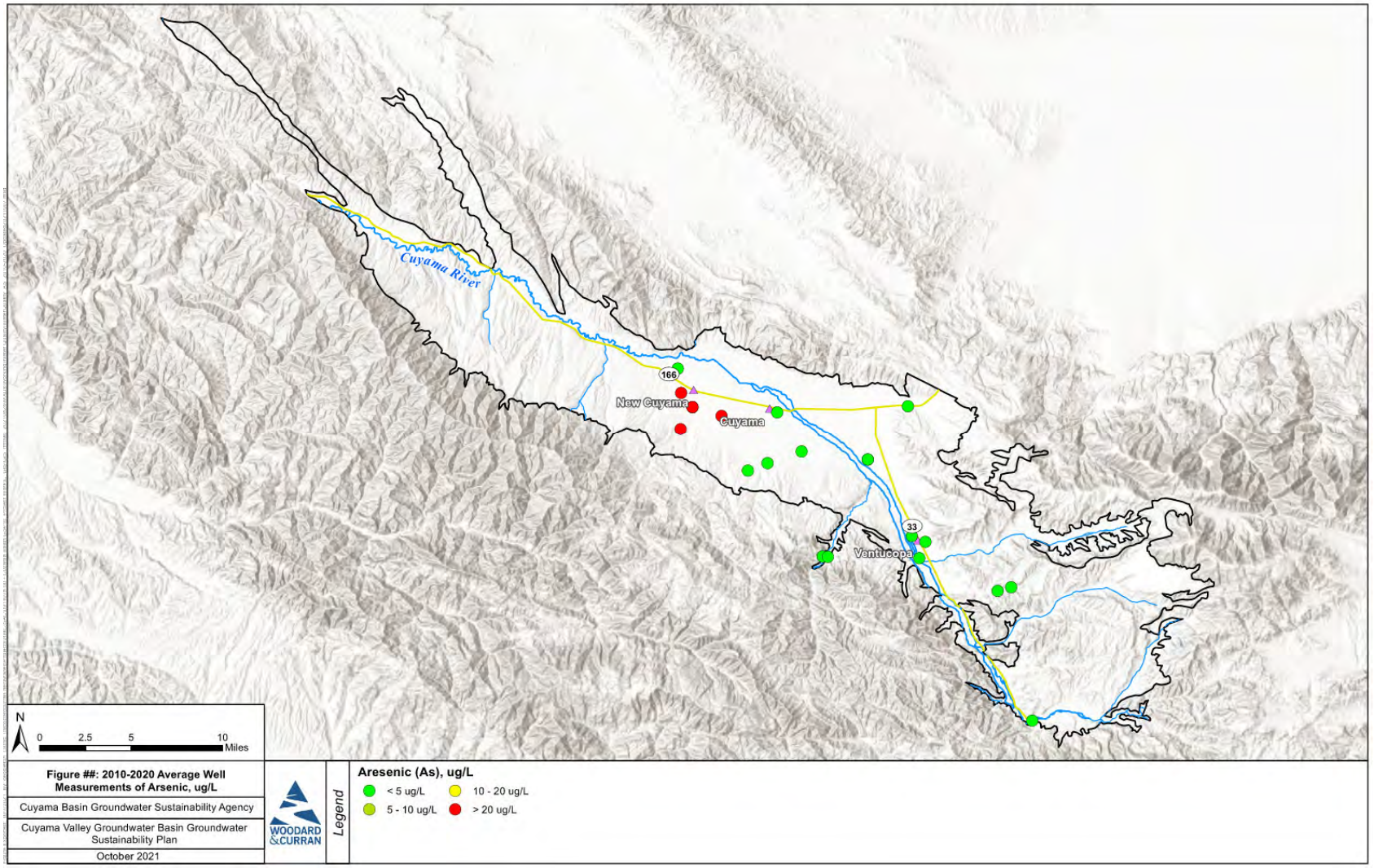


Figure 4-2. Average Well Measurements of Arsenic from 2010 through 2020

The following text has been added to the GSP:

Supplemental to Section 5.5 [Minimum Thresholds, Measurable Objectives, and Interim Milestones for] Degraded Water Quality

4.3.2 Why Groundwater Management is Unlikely to Affect Nitrate and Arsenic Concentrations

As discussed in the submitted GSP, nitrates are the result of fertilizer application on agricultural land. The CBGSA does not have the regulatory authority granted through SGMA to regulate the application of fertilizer. This regulatory authority is held by the SWRCB through the Irrigated Lands ~~Regulatory~~ Program (~~ILP~~ILR~~P~~P). The CBGSA can encourage agricultural users in the Basin to use best management practices when using fertilizers but cannot limit their use. Because the CBGSA has no mechanism to directly control nitrate concentrations, it is believed that setting thresholds for nitrates is not appropriate. However, it should be noted that GSP implementation will likely have an indirect effect on nitrates in the central ~~basin~~Basin due to the pumping allocations that were included in the GSP. This will likely reduce the application of fertilizers in the central part of the ~~basin~~Basin as agricultural production in the Basin is reduced over time.

Similarly, because arsenic is naturally occurring, the CBGSA does not believe the establishment of thresholds for arsenic is appropriate. As shown in Figure 4-2, wells with high arsenic concentrations are located in a relatively small area of the ~~basin~~Basin south of New Cuyama. A review of production well data provided by the counties (discussed in Section 2) indicates that there are no active private domestic wells located in this part of the ~~basin~~Basin. The only operational public well that that is located in this part of the ~~basin~~Basin serves the Cuyama Community Services District (CCSD). As noted above, the CCSD is currently pursuing the drilling of a new production well, which was included as a project in the GSP. Once this well is completed, it is not believed that any domestic water users will be using a well that accesses groundwater with known high arsenic concentrations.

4.3.3 Monitoring Approach for Nitrates and Arsenic

The CBGSA intends to leverage and make use of existing monitoring programs for nitrates and arsenic, in particular ILP for nitrates and USGS for arsenic. ~~The wells~~Wells in the ~~basin~~Basin where recent monitoring data is available for these constituents are shown in Figures 4-1 and 4-2. ~~To supplement the understanding of nitrate and arsenic concentrations in the basin, the GSP intends to perform an additional measurement of~~The CBGSA intends to collect data from the ILP and USGS ~~these sources and programs~~ and perform analysis at each 5-year GSP update to monitor constituent level changes and reassess their impacts on the Basin and its beneficial uses and users. In addition to the planned data collection and analysis efforts, the CBGSA plans to collect water quality data for nitrate and arsenic at each water quality well identified in the GSP (GSP Figure 4-20) during calendar year 2022. This will provide a baseline constituent level in all groundwater quality representative monitoring network locations that can be utilized for future ~~basin~~Basin planning. Additional measurements may be considered by the GSA in the future in anticipation of future five-year updates.

The CBGSA will continue to monitor TDS and utilize the undesirable results statement and UR triggers identified in Section 3.2.4 to determine the appropriate actions and timing of applicable actions to address water quality concerns. As discussed in Section 7.6 Adaptive Management, the CBGSA has also set adaptive management triggers. Adaptive management triggers are thresholds that, if reached, initiate the process for considering implementation of adaptive management actions or projects. During GSP implementation, regular monitoring reports will be prepared for the CBGSA that summarize and provide updates on groundwater conditions, including groundwater quality.

Although nitrate and arsenic levels do not currently fall within the regulatory authority of the CBGSA, as stated above, nitrates are regulated by ILP. In addition, the CBGSA will reevaluate~~ion of the of~~ nitrate and arsenic concentrations at

~~will be conducted at~~ each 5-year GSP update. The CBGSA will continue to coordinate and work with the Regional Water Quality Control Board and other responsible regulatory programs on a regular basis for the successful and sustainable management of water resources that protect against undesirable conditions related to nitrates and arsenic.

In the event groundwater conditions related to nitrate and arsenic begin to impact the beneficial uses and users of groundwater in the Basin, the CBGSA will notify the appropriate regulatory program and/or agency and initiate more frequent coordination to address those conditions and support their regulatory actions to address those conditions. If undesirable groundwater conditions for nitrate and arsenic are found to be the result of Basin management by the CBGSA, a process may be developed to help mitigate or assist those uses and users by utilizing adaptive management strategies or even pumping management or well rehab or replacement. At this time however, the CBGSA will rely on the current processes and programs set forth to manage nitrate and arsenic in a sustainable manner.

5. POTENTIAL CORRECTIVE ACTION 4: PROVIDE EXPLANATION FOR HOW OVERDRAFT WILL BE MITIGATED IN THE BASIN

5.1 Initial Review and Opinion Provided by DWR

This potential corrective action is related to the lack discussion of how overdraft will be mitigated in the entire ~~basin~~Basin. In particular, DWR requests additional information for why the GSP does not include pumping reductions in the Ventucopa management area (where the Cuyama Basin Water Resources Model (CBWRM) predicts long-term groundwater level declines) and why projects and management actions are not included to prevent groundwater level declines in the northwest region.

5.2 Review of Information and Data Provided in Submitted GSP

The Water budget section of the GSP (~~section~~Section 2.3) includes a sustainability analysis that estimates that basin-wide groundwater pumping (currently estimated at about 60-64 ~~taf~~TAF per year) would need to be reduced by somewhere between 55% and 67% (depending on whether climate change and/or water supply projects are included).

The GSP defined management areas in central ~~basin~~Basin and in the Ventucopa region because those were the two regions in which the model predicted long-term overdraft (Section 7.1). The modeling results did not predict overdraft or groundwater declines in any other portion of the ~~basin~~Basin, including the northwest region. The Projects and Management Actions section includes an action to implement pumping allocations in the Central Basin management area to address projected overdraft in that portion of the ~~basin~~Basin. However, as described in the Executive Summary, pumping reductions were not recommended in the Ventucopa management area because of the need to "perform additional monitoring, incorporate new monitoring wells, and further evaluate groundwater conditions" before the need for pumping reductions can be determined.

The CBWRM model documentation (Appendix 2-C) estimated the range of uncertainty of ~~basinwide~~basin wide model results and included recommendations for future model updates, including additional hydrogeological characterization, improved streamflow data collection, an assessment of groundwater pumping levels and incorporating future collected data into model calibration – each of which is relevant to the model's representation of the Ventucopa region.

5.3 Updates to GSP in Response to DWR Letter

The following text has been added to the GSP:

Supplemental to Section 7 Projects and Management Actions

The following sections provide additional information regarding the Ventucopa management area and the northwestern region of the Basin.

5.3.1 Ventucopa Management Area

As noted in the Executive Summary of the GSP, the ~~GSA~~CBGSA intends to re-evaluate the need for pumping reductions in the Ventucopa region of the Basin after further evaluating groundwater conditions over a two-to-five-year period following submission of the GSP. At the time that the GSP was submitted, the CBGSA felt that it was premature to prescribe pumping reductions in the Ventucopa region on the basis of CBWRM model results because the development of the model in that portion of the ~~basin~~Basin posed significant challenges:

- Limited groundwater level data was available for model calibration. Only three calibration wells were available in that area of the ~~basin~~Basin (wells 62, 85, and 617). Since submission of the GSP, a new multi-completion

monitoring well has been installed in the area, which will provide additional information for model calibration going forward.

- Characterization of streamflows and their effect on the groundwater aquifer was challenging because there were no streamflow gages on the Cuyama River with measurements taken during the calibration period and limited information was available regarding stream geometry in the region. Since submission of the GSP, a new streamflow gage has been installed on the Cuyama River upstream of the Ventucopa region.

- Groundwater pumping levels in the region were based on estimates from available land use information. However, unlike the central ~~basin~~area of the Basin, cropping patterns in this portion of the ~~basin was~~Basin were not provided by local landowners but ~~was~~were instead estimated using satellite imagery. Furthermore, specific well locations were not available in this portion of the ~~basin~~Basin. The CBGSA has addressed these shortcomings through the requirement of landowners to install meters on production wells and to report well information starting in calendar year 2022.

- The magnitude of water budget estimates in the region were relatively small as compared to the ~~basin~~Basin as a whole, which meant that a small change in the estimate for a single water budget component could have a large effect on the estimated change in storage (and corresponding estimates of long-term groundwater elevation change). In particular, some ~~basin~~Basin stakeholders have raised a concern that the model may be underestimating stream seepage into the aquifer in this stretch of the Cuyama River.

- Due to time and budget constraints during GSP development, model development and calibration prioritized development of an accurate representation of the central ~~basin~~Basin portion of the aquifer (where long-term overdraft was known to occur) with lesser emphasis on other parts of the model. The primary model calibration objective during CBWRM development of the Ventucopa region was on ensuring that groundwater levels matched historical trends at the boundary of the central ~~basin~~Basin and Ventucopa region.

Table 5-1 shows the average annual groundwater budget in the Eastern threshold region for the 50-year current and projected simulation (without climate change) included in the GSP. While the historical simulation showed a small surplus in the region, the future projected simulation showed a deficit of about 700 acre-feet per year (AFY), which corresponded to the groundwater level declines shown in Figure 7-1 of the GSP. This quantity is small compared to an overall ~~basin~~Basin groundwater storage deficit of 25,000 AFY, and it is approximately 10% of the total groundwater inflow in this region. This can be well within the range of uncertainties in any of the water budget compontents, and the range of overdraft can be +/- 10%. In light of the uncertainties, and lack of sufficient data on the water budget compontents to verify the model projected water budget, the CBGSA determined that implementing a management action in the region at this early stage may be too premature. Instead, the CBGSA is determined to compile and analyze additional data and informaiton on groundwater levels, surface water flows, groundwater pumping, as well as information on channel geometry and subsurface conditions. This informaiton will be used to further enhance the capabilities of the model for analysis of projected water budgets and groundwater conditions in the region, and determination of possible management actions to address any possible projected overdraft conditions.

Table 5-1. Eastern Region Groundwater Budget Summary (Acre-feet per year)

	Current and Projected Simulation (2018-2067)
Inflows	
Deep percolation	4,100
Stream seepage	1,300
Subsurface inflow	700
Total Inflows	6,100
Outflows	
Groundwater pumping	6,800

Total Outflows	6,800
Change in Storage	-700

5.3.2 Northwestern Region

In regard to the northwestern region, management actions were not included in the GSP for this region because the available information did not indicate a projected overdraft in that region. The following information was considered during development of the GSP:

- The CBWRM model indicated a balance between groundwater inflows and outflows in the region in all of the water budget scenarios that were simulated.
- The Cleath-Harris Geologists (CHG) document *Sustainability Thresholds for Northwestern Region, Cuyama Valley*, dated December 7, 2018[1], developed under contract with the North Fork Vineyard. This document identified minimum thresholds for this area that would be protective of groundwater pumping capacity for production wells in this area. CHG estimated that the minimum thresholds proposed for the region would result in a fifteen percent reduction in the saturated thickness screened by the production wells, which would correspond in very general terms to a similar reduction in transmissivity and pumping capacity of the production wells.

The technical analyses described in Section 2 regarding ~~potential corrective action~~Potential Corrective Action 1 indicates that the potential drawdown due to the minimum thresholds set for wells 841 and 845 could have a small effect on GDEs and domestic wells in the area. However, the thresholds set in the monitoring wells located in the vicinity of these ~~basin~~Basin resources are set at protective levels that would be indicative of any issues that may arise, allowing the CBGSA to make an appropriate adaptive management response (per section 7.6 of the GSP). Therefore, the available evidence indicates that management actions are not required in this region at this time.

[1] Posted at the Cuyama Basin GSA website here: https://cuyamabasin.org/assets/pdf/Cleath-Harris-Sustainability-Thresholds-for-Northwestern-Region.pdf

TO: Board of Directors
Agenda Item No. 10

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Direction on Governor's Executive Order N-7-22 Regarding Well Permits

Issue
Direction Executive Order N-7-22 regarding well permits.

Recommended Motion
Board feedback on ad hoc recommendation.

Discussion
On March 28, 2022, the Governor issued Executive Order N-7-22 in response to ongoing drought conditions (Attachment 2).

Section 9 of the Executive Order provides requirements for new and/or modified wells as summarized below. However, these requirements do not apply to de minimis users (wells that provide less than 2 acre-feet per year of groundwater for non-commercial purposes) or wells that exclusively provide groundwater to public water supply systems.

- Section 9a – New well permits require written authorization **from a GSA** that groundwater extraction will not be inconsistent with any sustainable groundwater management program and not decrease likelihood of achieving sustainability.
- Section 9b – New well permits or alteration of existing well require a determination **by permitting agencies** that the well will (1) not likely interfere with production and functioning of existing nearby wells, or (2) not likely cause subsidence that would adversely impact or damage nearby infrastructure.

An ad hoc met on April 26, 2022, to discuss a potential CBGSA policy and their recommendations are provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

10. Direction on Governor's Executive Order N-7-22 Regarding Well Permits

Jim Beck / Joe Hughes

Background

- On March 28, 2022, the Governor issued Executive Order N-7-22 in response to ongoing drought conditions
- Section 9 provides requirements for new and/or modified wells
- Exclusion for:
  - De minimis users (wells that provide less than 2 acre-feet per year of groundwater for non-commercial purposes)
  - Wells that exclusively provide groundwater to public water supply systems
- Section 9a – New well permits require written authorization ***from a GSA*** that groundwater extraction will not be inconsistent with any sustainable groundwater management program and not decrease likelihood of achieving sustainability.
- Section 9b – New well permits or alteration of existing well require a determination ***by permitting agencies*** that the well will (1) not likely interfere with production and functioning of existing nearby wells, or (2) not likely cause subsidence that would adversely impact or damage nearby infrastructure.

Summary of County Policies

County	Section 9a	Section 9b
Kern	Simple acknowledgment letter; indemnify GSA	Still being contemplated by EHS
San Luis Obispo	<u>For Paso/San Luis Basins, County jurisdiction:</u> No new wells; however, replacement wells allowed (similar in construction) <u>For Cuyama Basin, County jurisdiction:</u> Hydrogeologic study required by applicant to demonstrate GSP compliance	Require hydrogeologic study by applicant to demonstrate no interference to nearby wells
Santa Barbara	County will approve permit if GSA allows	Still being contemplated by EHS
Ventura	Hydrogeologic study required by applicant to demonstrate GSP compliance	←Same

Legal Considerations

- Potential liability
- Compliance

Draft Policy Options

	Component	Policy Options
1	Alteration of Existing Wells	Allow similar well construction; details to be specified
2	Construction of New Wells	**Option 1:** Applicant required to develop hydrogeologic **study/analysis** and finance all GSA review costs

- **Study/Analysis to Consider:**
  - Impacts to MTs/MOs
  - Impacts to sustainable yield
  - Consistent with the GSP

Option 1a: ***i.*** Applicant to initiate study with technical firm, or ***ii.*** require applicant to use GSA tool

Option 1b: GSA accepts verified analysis and reviews all new wells during 5-yr model update

Option 2: GSA performs analysis to determine potential impacts to GSP

EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA

EXECUTIVE ORDER N-7-22

WHEREAS on April 12, 2021, May 10, 2021, July 8, 2021, and October 19, 2021, I proclaimed states of emergency that continue today and exist across all the counties of California, due to extreme and expanding drought conditions; and

WHEREAS climate change continues to intensify the impacts of droughts on our communities, environment, and economy, and California is in a third consecutive year of dry conditions, resulting in continuing drought in all parts of the State; and

WHEREAS the 21st century to date has been characterized by record warmth and predominantly dry conditions, and the 2021 meteorological summer in California and the rest of the western United States was the hottest on record; and

WHEREAS since my October 19, 2021 Proclamation, early rains in October and December 2021 gave way to the driest January and February in recorded history for the watersheds that provide much of California's water supply; and

WHEREAS the ongoing drought will have significant, immediate impacts on communities with vulnerable water supplies, farms that rely on irrigation to grow food and fiber, and fish and wildlife that rely on stream flows and cool water; and

WHEREAS the two largest reservoirs of the Central Valley Project, which supplies water to farms and communities in the Central Valley and the Santa Clara Valley and provides critical cold-water habitat for salmon and other anadromous fish, have water storage levels that are approximately 1.1 million acre-feet below last year's low levels on this date; and

WHEREAS the record-breaking dry period in January and February and the absence of significant rains in March have required the Department of Water Resources to reduce anticipated deliveries from the State Water Project to 5 percent of requested supplies; and

WHEREAS delivery of water by bottle or truck is necessary to protect human safety and public health in those places where water supplies are disrupted; and

WHEREAS groundwater use accounts for 41 percent of the State's total water supply on an average annual basis but as much as 58 percent in a critically dry year, and approximately 85 percent of public water systems rely on groundwater as their primary supply; and

WHEREAS coordination between local entities that approve permits for new groundwater wells and local groundwater sustainability agencies is important to achieving sustainable levels of groundwater in critically overdrafted basins; and

WHEREAS the duration of the drought, especially following a multiyear drought that abated only five years ago, underscores the need for California to redouble near-, medium-, and long-term efforts to adapt its water management and delivery systems to a changing climate, shifting precipitation patterns, and water scarcity; and

WHEREAS the most consequential, immediate action Californians can take to extend available supplies is to voluntarily reduce their water use by 15 percent from their 2020 levels by implementing the commonsense measures identified in operative paragraph 1 of Executive Order N-10-21 (July 8, 2021); and

WHEREAS to protect public health and safety, it is critical the State take certain immediate actions without undue delay to prepare for and mitigate the effects of the drought conditions, and under Government Code section 8571, I find that strict compliance with various statutes and regulations specified in this Proclamation would prevent, hinder, or delay the mitigation of the effects of the drought conditions.

NOW, THEREFORE, I, GAVIN NEWSOM, Governor of the State of California, in accordance with the authority vested in me by the State Constitution and statutes, including the California Emergency Services Act, and in particular, Government Code sections 8567, 8571, and 8627, do hereby issue the following Order to become effective immediately:

IT IS HEREBY ORDERED THAT:

1. The orders and provisions contained in my April 21, 2021, May 10, 2021, July 8, 2021, and October 19, 2021 Proclamations remain in full force and effect, except as modified by those Proclamations and herein. State agencies shall continue to implement all directions from those Proclamations and accelerate implementation where feasible.

2. To help the State achieve its conservation goals and ensure sufficient water for essential indoor and outdoor use, I call on all Californians to strive to limit summertime water use and to use water more efficiently indoors and out. The statewide Save Our Water conservation campaign at SaveOurWater.com provides simple ways for Californians to reduce water use in their everyday lives. Furthermore, I encourage Californians to understand and track the amount of water they use and measure their progress toward their conservation goals.

3. By May 25, 2022, the State Water Resources Control Board (Water Board) shall consider adopting emergency regulations that include all of the following:

    a. A requirement that each urban water supplier, as defined in section 10617 of the Water Code, shall submit to the Department of Water Resources a preliminary annual water supply and demand assessment consistent with section 10632.1 of the Water Code no later than June 1, 2022, and submit a final annual water

supply and demand assessment to the Department of Water Resources no later than the deadline set by section 10632.1 of the Water Code;

b. A requirement that each urban water supplier that has submitted a water shortage contingency plan to the Department of Water Resources implement, at a minimum, the shortage response actions adopted under section 10632 of the Water Code for a shortage level of up to twenty percent (Level 2), by a date to be set by the Water Board; and

c. A requirement that each urban water supplier that has not submitted a water shortage contingency plan to the Department of Water Resources implement, at a minimum, shortage response actions established by the Water Board, which shall take into consideration model actions that the Department of Water Resources shall develop for urban water supplier water shortage contingency planning for Level 2, by a date to be set by the Water Board.

To further conserve water and improve drought resiliency if the drought lasts beyond this year, I encourage urban water suppliers to conserve more than required by the emergency regulations described in this paragraph and to voluntarily activate more stringent local requirements based on a shortage level of up to thirty percent (Level 3).

4. To promote water conservation, the Department of Water Resources shall consult with leaders in the commercial, industrial, and institutional sectors to develop strategies for improving water conservation, including direct technical assistance, financial assistance, and other approaches. By May 25, 2022, the Water Board shall consider adopting emergency regulations defining "non-functional turf" (that is, a definition of turf that is ornamental and not otherwise used for human recreation purposes such as school fields, sports fields, and parks) and banning irrigation of non-functional turf in the commercial, industrial, and institutional sectors except as it may be required to ensure the health of trees and other perennial non-turf plantings.

5. In order to maximize the efficient use of water and to preserve water supplies critical to human health and safety and the environment, Public Resources Code, Division 13 (commencing with section 21000) and regulations adopted pursuant to that Division are hereby suspended, with respect to the directives in paragraphs 3 and 4 of this Order and any other projects and activities for the purpose of water conservation to the extent necessary to address the impacts of the drought, and any permits necessary to carry out such projects or activities. Entities that desire to conduct activities under this suspension, other than the directives in paragraphs 3 and 4 of this Order, shall first request that the Secretary of the Natural Resources Agency make a determination that the proposed activities are eligible to be conducted under this suspension. The Secretary shall use sound discretion in applying this Executive Order to ensure that the suspension serves the purpose of accelerating conservation projects that are necessary to address impacts of the drought, while at the same time

protecting public health and the environment. The entities implementing these directives or conducting activities under this suspension shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.

6. To support voluntary approaches to improve fish habitat that would require change petitions under Water Code section 1707 and either Water Code sections 1425 through 1432 or Water Code sections 1725 through 1732, and where the primary purpose is to improve conditions for fish, the Water Board shall expeditiously consider petitions that add a fish and wildlife beneficial use or point of diversion and place of storage to improve conditions for anadromous fish. California Code of Regulations, title 23, section 1064, subdivisions (a)(1)(A)(i)-(ii) are suspended with respect to any petition that is subject to this paragraph.

7. To facilitate the hauling of water for domestic use by local communities and domestic water users threatened with the loss of water supply or degraded water quality resulting from drought, any ordinance, regulation, prohibition, policy, or requirement of any kind adopted by a public agency that prohibits the hauling of water out of the water's basin of origin or a public agency's jurisdiction is hereby suspended. The suspension authorized pursuant to this paragraph shall be limited to the hauling of water by truck or bottle to be used for human consumption, cooking, or sanitation in communities or residences threatened with the loss of affordable safe drinking water. Nothing in this paragraph limits any public health or safety requirement to ensure the safety of hauled water.

8. The Water Board shall expand inspections to determine whether illegal diversions or wasteful or unreasonable use of water are occurring and bring enforcement actions against illegal diverters and those engaging in the wasteful and unreasonable use of water. When access is not granted by a property owner, the Water Board may obtain an inspection warrant pursuant to the procedures set forth in Title 13 (commencing with section 1822.50) of Part 3 of the Code of Civil Procedure for the purposes of conducting an inspection pursuant to this directive.

9. To protect health, safety, and the environment during this drought emergency, a county, city, or other public agency shall not:

    a. Approve a permit for a new groundwater well or for alteration of an existing well in a basin subject to the Sustainable Groundwater Management Act and classified as medium- or high-priority without first obtaining written verification from a Groundwater Sustainability Agency managing the basin or area of the basin where the well is proposed to be located that groundwater extraction by the proposed well would not be inconsistent with any sustainable groundwater management program established in any applicable Groundwater Sustainability Plan adopted by that Groundwater Sustainability

Agency and would not decrease the likelihood of achieving a sustainability goal for the basin covered by such a plan; or

b. Issue a permit for a new groundwater well or for alteration of an existing well without first determining that extraction of groundwater from the proposed well is (1) not likely to interfere with the production and functioning of existing nearby wells, and (2) not likely to cause subsidence that would adversely impact or damage nearby infrastructure.

This paragraph shall not apply to permits for wells that will provide less than two acre-feet per year of groundwater for individual domestic users, or that will exclusively provide groundwater to public water supply systems as defined in section 116275 of the Health and Safety Code.

10. To address household or small community drinking water shortages dependent upon groundwater wells that have failed due to drought conditions, the Department of Water Resources shall work with other state agencies to investigate expedited regulatory pathways to modify, repair, or reconstruct failed household or small community or public supply wells, while recognizing the need to ensure the sustainability of such wells as provided for in paragraph 9.

11. State agencies shall collaborate with tribes and federal, regional, and local agencies on actions related to promoting groundwater recharge and increasing storage.

12. To help advance groundwater recharge projects, and to demonstrate the feasibility of projects that can use available high water flows to recharge local groundwater while minimizing flood risks, the Water Board and Regional Water Quality Control Boards shall prioritize water right permits, water quality certifications, waste discharge requirements, and conditional waivers of waste discharge requirements to accelerate approvals for projects that enhance the ability of a local or state agency to capture high precipitation events for local storage or recharge, consistent with water right priorities and protections for fish and wildlife. For the purposes of carrying out this paragraph, Division 13 (commencing with section 21000) of the Public Resources Code and regulations adopted pursuant to that Division, and Chapter 3 (commencing with section 85225) of Part 3 of Division 35 of the Water Code and regulations adopted pursuant thereto are hereby suspended to the extent necessary to address the impacts of the drought. This suspension applies to (a) any actions taken by state agencies, (b) any actions taken by local agencies where the state agency with primary responsibility for the implementation of the directives concurs that local action is required, and (c) permits necessary to carry out actions under (a) or (b). The entities implementing these directives shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.

13. With respect to recharge projects under either Flood-Managed Aquifer Recharge or the Department of Water Resources Sustainable

Groundwater Management Grant Program occurring on open and working lands to replenish and store water in groundwater basins that will help mitigate groundwater conditions impacted by drought, for any (a) actions taken by state agencies, (b) actions taken by a local agency where the Department of Water Resources concurs that local action is required, and (c) permits necessary to carry out actions under (a) or (b), Public Resources Code, Division 13 (commencing with section 21000) and regulations adopted pursuant to that Division are hereby suspended to the extent necessary to address the impacts of the drought. The entities implementing these directives shall maintain on their websites a list of all activities or approvals for which these provisions are suspended.

14. To increase resilience of state water supplies during prolonged drought conditions, the Department of Water Resources shall prepare for the potential creation and implementation of a multi-year transfer program pilot project for the purpose of acquiring water from willing partners and storing and conveying water to areas of need.

15. By April 15, 2022, state agencies shall submit to the Department of Finance for my consideration proposals to mitigate the worsening effects of severe drought, including emergency assistance to communities and households and others facing water shortages as a result of the drought, facilitation of groundwater recharge and wastewater recycling, improvements in water use efficiency, protection of fish and wildlife, mitigation of drought-related economic or water-supply disruption, and other potential investments to support short- and long-term drought response.

IT IS FURTHER ORDERED that as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 28th day of March 2022.

GAVIN NEWSOM
Governor of California

ATTEST:

SHIRLEY N. WEBER, PH.D.
Secretary of State

TO: Board of Directors
Agenda Item No. 11

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Direction on Central Management Area Policies

Issue
Discussion on Central Management Area policies.

Recommended Motion
Board direction requested.

Discussion
On January 5, 2022, the Cuyama Basin Groundwater Sustainability Agency Board of Directors (CBGSA) voted to develop specific allocation methodologies for pumping reductions in the Central Management Area for 2023 and 2024. The Board also directed staff to analyze historic water use in the Central Management Area from 1998 to 2014 as the potential basis for allocating the pumping reduction in 2023 and 2024. Staff presented the results of this analysis at the March 2, 2022, CBGSA Board meeting, and the Board directed staff to refine this work with the ad hoc.

Additionally, several other technical and policy points were raised by Directors at previous Board meetings or by Management Area Policy Ad hoc members (Directors Bantilan, Chounet, Shephard, Wooster, Vickery) and are listed below for SAC discussion and feedback.

1. Pumping Reduction Baseline/Starting Point
2. Allocation Methodology
3. Changed Water Use Inside the Central Management Area
4. Central Management Area Boundary (Hydrologic vs Operational)
5. Management Area Criteria Evaluation
6. Management Area Update
7. Administration of Pumping Reduction
8. Non-Compliance/Over-Pumping Enforcement

Direction on Central Management Area Policies
Agenda Item No. 11
May 4, 2022

1. Pumping Reduction Baseline/Starting Point
Three key components are required to implement the pumping reductions for 2023 and 2024 in the Central Management Area which is 5 percent each year of the difference between the baseline/starting point and the sustainable yield.

No.	Component	Status
1	Sustainable Yield for Central MA	Refined by model update due July 2022
2	Baseline/Starting Point for Reduction	*Need to determine this*
3	Allocation Methodology for Pumping Reduction for 2023 and 2024	Discussed under Item No. 2

Ad hoc Recommendation

- Use the most recent calendar year, updated by the model (Attachment 1)

2. Allocation Methodology
Review of allocation methodology.

Ad hoc Recommendation

- Allocate groundwater based on the average water use from the 1998-2017 period (corresponds with the GSP specified period for the water budget) (Attachment 2)
- Develop a process for landowners to correct information and review corrected information/special circumstances with ad hoc and the Board

3. Changed Water Use Inside the Central Management Area
If water use changes occur inside the Central Management Area (i.e., fallow fields are planted, new production) how will that impact allocation?

Ad hoc Recommendation

- Develop water budgets for each landowner and they have to manage to that allocation.
- Review special circumstances with ad hoc and Board
- Develop a specific variance policy (i.e., permanent, or temporary reallocation, identification of additional water supply, etc.)

4. Central Management Area Boundary (Hydrologic vs Operational)
The Central Management Area boundary is a hydrologic boundary determined by a model output. The model is being updated and will be finalized in July 2022. At that time, staff expects a new model boundary will be produced. The Cuyama Basin Water District has requested that the boundary be adjusted to follow roads and parcel boundaries for ease of administration.

Ad hoc Recommendation

- Use an operational boundary for 2023 and 2024 (i.e., follow roads and parcel boundaries)
- Based on hydrologic boundary

5. Management Area Criteria Evaluation
The Management Area was set using the criteria of areas experiencing a drawdown greater than two (2) feet per year over a projected 50-year period using current demand assumptions. The Cuyama Basin

Water District requested the GSA consider other criteria and compare maps showing those different options once the model is updated in July 2022.

Ad hoc Recommendation

- Review additional Management Area criteria options based on current model update
- Consider implementing in 2025

6. Management Area Update

The Management Area is updated periodically using the model. Staff is looking for feedback on how often the Board would like to update the model to determine potential changes to existing Management Area boundaries and creation of potential new management areas.

Ad hoc Recommendation

- Update the Management Area at a minimum of 5 years

7. Administration of Pumping Reduction

How should the pumping reduction be administered by the GSA?

Ad hoc Recommendation

- GSA to develop water allocation for each landowner
- Allocation is managed at the wellhead
- Require annual landowner water use reports and meter readings
- Report pumping results at March Board meeting

8. Non-Compliance/Over Pumping Enforcement

If pumping reduction targets are not met how will the Board enforce compliance?

Ad hoc Recommendation

- Options
    - Pumping over the allocation would be reduced from the following year allocation
    - Unused water would be credited to the following year allocation
    - Over pumping carries a tiered financial penalty
        - Tier 1 – 5 percent over pumping = $250/af
        - Tier 2 – >5 percent pumping = $500/af
    - The GSA may pursue litigation for landowners that repeat over pumping (i.e., stop well from pumping for period of time, etc.)
- Develop a specific policy

DRAFT

ESTIMATE OF PUMPING REDUCTION IN THE CENTRAL MANAGEMENT AREA

Model Numbers
User-Reported Numbers

(1) Groundwater Pumping Estimates/Actuals	Acre-feet
Estimate - Model 2020 Pumping (basin-wide)	56,636
Estimate - Model 2020 Pumping (Central MA)	39,845
Estimate - Model 2021 Pumping (basin-wide)	59,273
Estimate - Model 2021 Pumping (Central MA)	42,164
Water User - Reported - 2020 Water Use (ET)	28,387
Water User - Reported - 2020 Water Use (gross; calculated as 1.52 * ET)	43,148
Average from 1998-2014 Pumping (Central MA)	34,499
Average from 1998-2017 Pumping (Central MA)	33,130
Other	60,000

(2) Calculations to Determine Base Amount to Reduce	Acre-feet
Estimate - Model 2021 Pumping (Central MA)	42,164
Central Management Area Sustainable Yield	9,600
Base amount to reduce from Central MA	**32,564**

Groundwater Assumption:	Estimate - Model 2021 Pumping (Central MA)	**42,164**

(3) Estimated Reduction in Pumping

Year	Glide path	Amount to Reduce (af)	Maximum Annual Pumping (af)	Remaining Overdraft (af)
2023	5.0%	1,628	40,536	30,936
2024	5.0%	1,628	38,908	29,308
2025	6.5%	2,117	36,791	27,191
2026	6.5%	2,117	34,674	25,074
2027	6.5%	2,117	32,558	22,958
2028	6.5%	2,117	30,441	20,841
2029	6.5%	2,117	28,324	18,724
2030	6.5%	2,117	26,208	16,608
2031	6.5%	2,117	24,091	14,491
2032	6.5%	2,117	21,974	12,374
2033	6.5%	2,117	19,858	10,258
2034	6.5%	2,117	17,741	8,141
2035	6.5%	2,117	15,624	6,024
2036	6.5%	2,117	13,508	3,908
2037	6.5%	2,117	11,391	1,791
2038	5.5%	1,791	9,600	(0)
2039	0.0%	-	9,600	(0)
2040	0.0%	-	9,600	(0)
	100%			

Annual Pumping by Property Owner (AF/year)

Parcels that cross the MA boundary counted in proportion to the percentage of the parcel located within the MA.

		Land		Pumping	
	Row Labels	Total Parcel Acres	Percent of CMA Acreage	WY 1998-2014 Average	Percent of Annual Average
1	501C3 BLUE SKY SUSTAINABLE LIVING CENTER	7.44	0.03%	1.21	0.00%
2	AGUILA G BOYS LLC	69.92	0.29%	57.52	0.17%
3	AGUILA G-BOYS LLC	843.29	3.47%	808.88	2.34%
4	AMETHYST PROPERTIES INC	3,096.26	12.75%	3,126.69	9.06%
5	ANN M BUCK	40.60	0.17%	110.04	0.32%
6	BELDEN FAM TR ET AL	3,076.81	12.67%	4,998.12	14.49%
7	BOLTHOUSE LAND COMPANY LLC	5,542.85	22.83%	10,362.36	30.04%
8	BOLTHOUSE PROPERTIES LLC	276.85	1.14%	538.87	1.56%
9	BRAY ROBERT B/JUDY A	0.41	0.00%	0.43	0.00%
10	BROOKOVER NELLIE F S	0.21	0.00%	0.22	0.00%
11	CALIENTE RANCH CUYAMA LLC	721.59	2.97%	745.47	2.16%
12	CALLAWAY ERIC	13.48	0.06%	19.35	0.06%
13	CARSON MARVIN J EST/OF	0.39	0.00%	0.35	0.00%
14	CONSTANCE G HAWKINS	148.20	0.61%	28.14	0.08%
15	COOPERS PETROLEUM DISTRIBUTOR INC	0.67	0.00%	0.45	0.00%
16	COUNTY OF SANTA BARBARA	2.13	0.01%	0.31	0.00%
17	CUEVAS DELFINO CORTEZ	2.06	0.01%	2.44	0.01%
18	CUEVAS GUSTAVO CORTES	0.34	0.00%	0.23	0.00%
19	CUYAMA COMMUNITY SERVICES DISTRICT	6.52	0.03%	3.71	0.01%
20	CUYAMA SOLAR LLC	205.85	0.85%	331.95	0.96%
21	CUYAMA UNION SCHOOL DISTRICT	20.01	0.08%	18.83	0.05%
22	DIAMOND FARMING CO A CA CORP	1,615.48	6.65%	2,544.44	7.38%
23	DIAMOND FARMING COMPANY	412.65	1.70%	485.87	1.41%
24	DIAZ JOSE CANUTO	40.92	0.17%	36.68	0.11%
25	EHLY VIOLET M	2.02	0.01%	2.41	0.01%
26	ENGRISER MARTIN	2.40	0.01%	1.61	0.00%
27	ERRO THERESA	0.01	0.00%	-	0.00%
28	FELICITAS I OCAMPO	5.03	0.02%	5.39	0.02%
29	GILL MICHAEL L 2016 TRUST 11/15/16	20.04	0.08%	16.82	0.05%
30	GRIMM RUSSELL LLC	3,364.94	13.86%	3,454.64	10.01%
31	GRIMMWAY ENTERPRISES INC	100.15	0.41%	211.62	0.61%
32	HARRINGTON JASON M & MARY JO REVOCABLE LIVING TRUST	16.97	0.07%	34.73	0.10%
33	HERMRECK PROPERTIES LLC	1.75	0.01%	0.47	0.00%
34	HOEKSTRA FAMILY TRUST 5/6/99	264.57	1.09%	319.69	0.93%
35	JASON D & THANY T VOSBURGH	44.54	0.18%	39.47	0.11%
36	JENNIFER W DOXEY	143.00	0.59%	45.47	0.13%
37	JOO CAPITAL PARTNERS LLC	277.89	1.14%	294.79	0.85%
38	JOYENO ELIAS	0.53	0.00%	0.33	0.00%
39	KERN RIDGE GROWERS LLC	204.03	0.84%	217.64	0.63%
40	LAPIS LAND CO LLC	418.09	1.72%	772.96	2.24%
41	LAPIS LAND COMPANY LLC	824.04	3.39%	1,919.05	5.56%
42	LEAR REAL ESTATE ENTERPRISES LLC	525.26	2.16%	778.41	2.26%
43	LEWIS DAVID G	18.82	0.08%	11.11	0.03%
44	MCCABE FRANCIS J TRUSTEE (for) MCCABE FRANCIS J REV TR 8-5-9	14.82	0.06%	0.66	0.00%
45	MCDONELL EARL CLETTUS	20.23	0.08%	31.00	0.09%
46	PACIFIC GAS AND ELECTRIC CO	0.97	0.00%	1.29	0.00%
47	RATZKE WILLIAM WALTER	0.25	0.00%	0.17	0.00%
48	ROSCAMP EARL JR/MARY	0.96	0.00%	1.10	0.00%
49	ROSCAMP RHODA	0.37	0.00%	0.34	0.00%
50	RUSSELL RICHARD TRUST	56.58	0.23%	21.90	0.06%
51	SADIQ ZAHID	11.50	0.00	11.67	0.03%
52	SANTA MARIA UN HS DIST	0.96	0.00	0.39	0.00%
53	SAWYER LINDSEY C HEIRS OF	22.95	0.00	15.06	0.04%
54	SOUTHERN CALIFORNIA GAS COMPANY	1.25	0.00	1.32	0.00%
55	STEVEN A PRITZ	12.71	0.00	25.87	0.07%
56	SUNRIDGE VINEYARDS LP	71.15	0.00	54.21	0.16%
57	SUNRISE RANCH PROPERTIES LLC	245.04	0.01	682.93	1.98%
58	SUNRISE RANCH PROPERTIES LLC (CA)	58.67	0.00	169.47	0.49%
59	TRUJILLO FAMILY TRUST 9/7/17	468.61	0.02	764.81	2.22%
60	UNITED STATES OF AMERICA	220.93	0.01	63.32	0.18%
61	UNKNOWN OWNER	0.26	0.00	0.16	0.00%
62	USA	214.37	0.01	96.32	0.28%
63	WOODWARD DONALD	2.88	0.00	0.41	0.00%
64	ZANNON 2014 LIVING TRUST	105.92	0.00	109.23	0.32%
65	(blank)	366.79	0.02	98.24	0.28%
	Grand Total	**24,277.21**	**100.00%**	**34,499.06**	**100.00%**

Annual Pumping by Property Owner (AF/year)

Parcels that cross the MA boundary counted in proportion to the pe

		Pumping		Est. Model 2021 Pumping (Central MA) 40,535.80 Acre-feet	
	Row Labels	WY 1998-2017 Average	Percent of Annual Average	1998-2014 Pumping	1998-2017 Pumping
1	501C3 BLUE SKY SUSTAINABLE LIVING CENTER	1.47	0.00%	1.42	1.79
2	AGUILA G BOYS LLC	57.77	0.17%	67.58	70.68
3	AGUILA G-BOYS LLC	800.24	2.42%	950.41	979.12
4	AMETHYST PROPERTIES INC	3,037.16	9.17%	3,673.81	3,716.09
5	ANN M BUCK	106.04	0.32%	129.29	129.74
6	BELDEN FAM TR ET AL	4,769.98	14.40%	5,872.71	5,836.26
7	BOLTHOUSE LAND COMPANY LLC	9,825.97	29.66%	12,175.60	12,022.48
8	BOLTHOUSE PROPERTIES LLC	505.56	1.53%	633.16	618.57
9	BRAY ROBERT B/JUDY A	0.41	0.00%	0.51	0.50
10	BROOKOVER NELLIE F S	0.20	0.00%	0.26	0.25
11	CALIENTE RANCH CUYAMA LLC	733.06	2.21%	875.91	896.93
12	CALLAWAY ERIC	18.17	0.05%	22.74	22.23
13	CARSON MARVIN J EST/OF	0.33	0.00%	0.41	0.40
14	CONSTANCE G HAWKINS	32.24	0.10%	33.07	39.45
15	COOPERS PETROLEUM DISTRIBUTOR INC	0.45	0.00%	0.53	0.55
16	COUNTY OF SANTA BARBARA	0.38	0.00%	0.37	0.47
17	CUEVAS DELFINO CORTEZ	2.42	0.01%	2.86	2.96
18	CUEVAS GUSTAVO CORTES	0.23	0.00%	0.27	0.28
19	CUYAMA COMMUNITY SERVICES DISTRICT	3.69	0.01%	4.36	4.51
20	CUYAMA SOLAR LLC	292.23	0.88%	390.04	357.55
21	CUYAMA UNION SCHOOL DISTRICT	18.31	0.06%	22.13	22.40
22	DIAMOND FARMING CO A CA CORP	2,455.37	7.41%	2,989.67	3,004.24
23	DIAMOND FARMING COMPANY	495.98	1.50%	570.89	606.85
24	DIAZ JOSE CANUTO	35.68	0.11%	43.10	43.65
25	EHLY VIOLET M	2.36	0.01%	2.83	2.88
26	ENGRISER MARTIN	1.60	0.00%	1.89	1.96
27	ERRO THERESA	0.00	0.00%	-	0.00
28	FELICITAS I OCAMPO	5.21	0.02%	6.33	6.38
29	GILL MICHAEL L 2016 TRUST 11/15/16	17.49	0.05%	19.76	21.40
30	GRIMM RUSSELL LLC	3,396.34	10.25%	4,059.14	4,155.56
31	GRIMMWAY ENTERPRISES INC	203.53	0.61%	248.65	249.03
32	HARRINGTON JASON M & MARY JO REVOCABLE LIVING TRUST	33.77	0.10%	40.81	41.32
33	HERMRECK PROPERTIES LLC	0.50	0.00%	0.55	0.62
34	HOEKSTRA FAMILY TRUST 5/6/99	331.31	1.00%	375.64	405.37
35	JASON D & THANY T VOSBURGH	38.68	0.12%	46.37	47.33
36	JENNIFER W DOXEY	48.55	0.15%	53.42	59.40
37	JOO CAPITAL PARTNERS LLC	297.21	0.90%	346.38	363.65
38	JOYENO ELIAS	0.33	0.00%	0.39	0.40
39	KERN RIDGE GROWERS LLC	215.39	0.65%	255.73	263.54
40	LAPIS LAND CO LLC	762.18	2.30%	908.22	932.56
41	LAPIS LAND COMPANY LLC	1,773.26	5.35%	2,254.85	2,169.66
42	LEAR REAL ESTATE ENTERPRISES LLC	752.99	2.27%	914.62	921.32
43	LEWIS DAVID G	11.44	0.03%	13.06	14.00
44	MCCABE FRANCIS J TRUSTEE (for) MCCABE FRANCIS J REV TR 8-5-9	1.57	0.00%	0.77	1.92
45	MCDONELL EARL CLETTUS	29.12	0.09%	36.43	35.63
46	PACIFIC GAS AND ELECTRIC CO	1.18	0.00%	1.52	1.45
47	RATZKE WILLIAM WALTER	0.17	0.00%	0.20	0.21
48	ROSCAMP EARL JR/MARY	1.00	0.00%	1.29	1.23
49	ROSCAMP RHODA	0.32	0.00%	0.40	0.39
50	RUSSELL RICHARD TRUST	22.35	0.07%	25.73	27.35
51	SADIQ ZAHID	10.91	0.03%	13.71	13.35
52	SANTA MARIA UN HS DIST	0.39	0.00%	0.46	0.48
53	SAWYER LINDSEY C HEIRS OF	15.64	0.05%	17.69	19.14
54	SOUTHERN CALIFORNIA GAS COMPANY	1.27	0.00%	1.55	1.55
55	STEVEN A PRITZ	24.38	0.07%	30.39	29.83
56	SUNRIDGE VINEYARDS LP	51.54	0.16%	63.70	63.06
57	SUNRISE RANCH PROPERTIES LLC	600.78	1.81%	802.43	735.08
58	SUNRISE RANCH PROPERTIES LLC (CA)	148.33	0.45%	199.12	181.49
59	TRUJILLO FAMILY TRUST 9/7/17	732.12	2.21%	898.64	895.78
60	UNITED STATES OF AMERICA	67.99	0.21%	74.39	83.18
61	UNKNOWN OWNER	0.16	0.00%	0.19	0.20
62	USA	100.73	0.30%	113.18	123.24
63	WOODWARD DONALD	0.51	0.00%	0.48	0.62
64	ZANNON 2014 LIVING TRUST	125.19	0.38%	128.35	153.17
65	(blank)	108.80	0.33%	115.43	133.12
	Grand Total	**33,129.92**	**100.00%**	**40,535.80**	**40,535.80**

TO: Board of Directors
Agenda Item No. 12

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Direction on Basin-Wide Water Management Policies

Issue
Review of Basin-wide water management policies topics.

Recommended Motion
Board feedback requested.

Discussion
During discussions of Central Management Area groundwater policies with the Cuyama Basin Groundwater Sustainability Agency (CBGSA) ad hoc and feedback received from Directors and Standing Advisory Committee (SAC) members at public meetings, staff has identified the below basin-wide water management topics for further direction and discussion at SAC and Board meetings.

Potential Basin-Wide Water Management Policy Topics:

1. Increased water use outside the Central Management Area
2. Water market/trading discussions

Direction requested:

1. Consider these items now with an ad hoc and at subsequent SAC/Board meetings?
2. Consider during the 2025 update?

TO: Board of Directors
Agenda Item No. 13

FROM: Jim Beck / Brian Van Lienden

DATE: May 4, 2022

SUBJECT: Direction on Adaptive Management Actions

Issue
Discussion on adaptive management actions for groundwater level wells in the Cuyama basin.

Recommended Motion
Board feedback requested.

Discussion
The Cuyama Basin Groundwater Sustainability Agency's Groundwater Sustainable Plan (GSP) established adaptive management actions for representative wells that are below their minimum threshold or within 10 percent of the minimum threshold (Section 7.6 of the GSP).

On January 5, 2022, the Board directed staff to perform additional data gathering and analysis to confirm condition of wells identified in the well status analysis including (1) desktop analysis and phone outreach to be performed by Woodard & Curran (W&C), and (2) field verification to be performed by Provost & Pritchard (P&P) if required.

On March 2, 2022, staff let the Board know P&P would attempt to field verify potential wells going dry. Staff also noted that a number of representative wells were below their minimum thresholds and undesirable results for the chronic lowering of groundwater levels could be potentially observed by April 2023. The Board directed staff to continue working with an ad hoc to present a recommendation for addressing this issue at the May 4, 2022, Board meeting.

Staff met with the Adaptive Management ad hoc on April 7, 2022, and the ad hoc meeting material and draft recommendation is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

13. Direction on Adaptive Management Actions

Jim Beck / Brian Van Lienden

March 2, 2022, Board Discussion

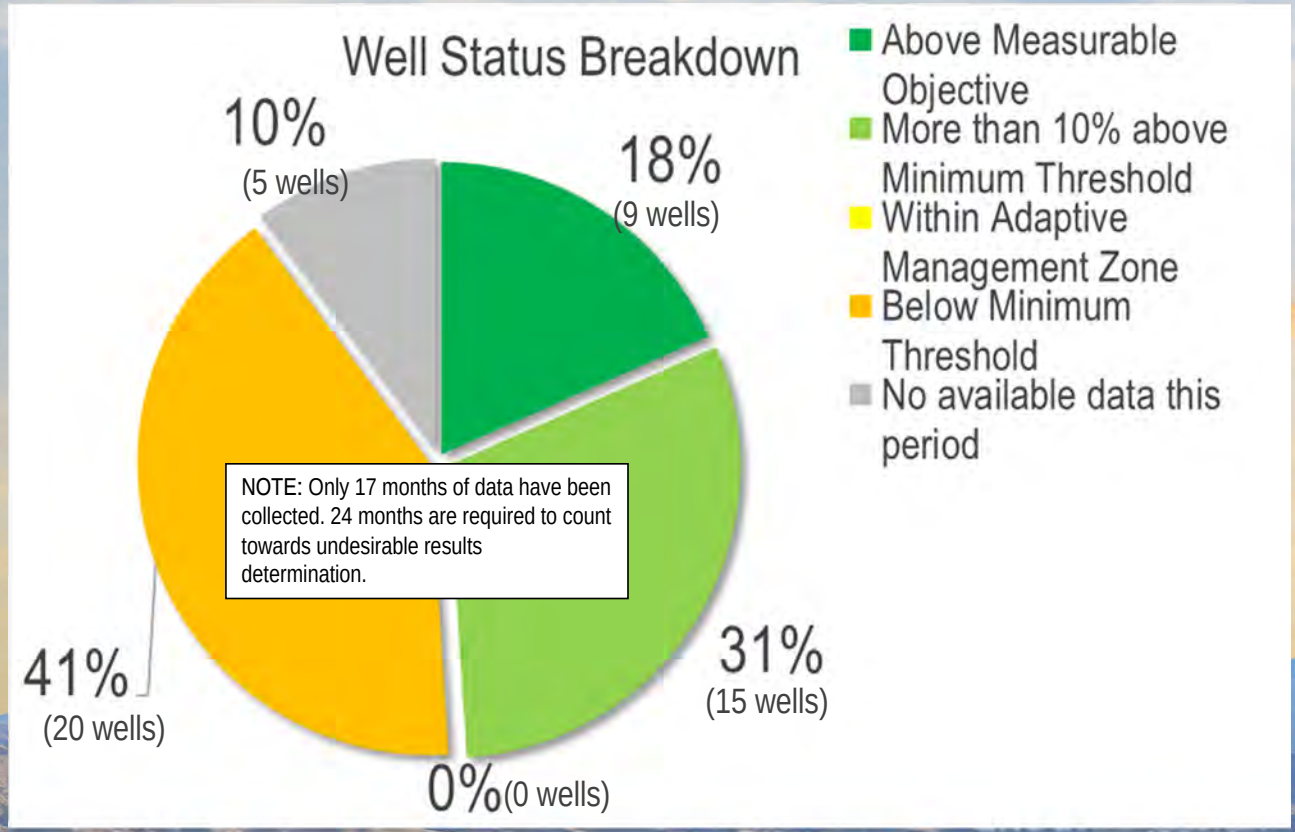
- Confirm condition of wells identified in the well status analysis
  - Landowners/operators for 10 of 18 wells identified were successfully contacted
    - 2 wells have experienced problems in recent years
    - 3 wells exist but are no longer in use
    - In 5 cases, no well could be identified in the location identified by the County database
- P&P performed field verification of the other 8 wells in April 2022

March 2, 2022, Board Discussion, Cont.

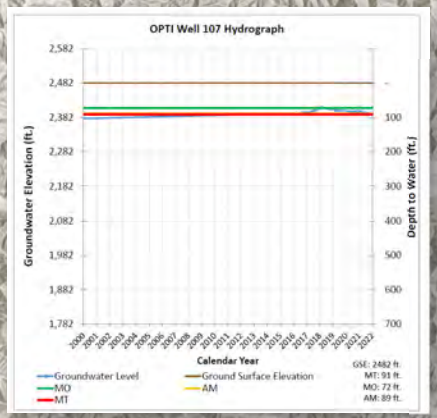
- Undesirable results expected to occur in April 2023
- Adaptive Management actions will be required well in advance to avoid undesirable results
- Options previously reviewed with ad hoc
  - Restrict pumping in individual wells
  - Adjust the 30% over 2 years criteria
  - Adjust thresholds
  - Accelerate glidepath
- Recommended next steps
  - Work with the Adaptive Management Ad hoc to select appropriate adaptive management actions to be implemented in 2022
  - The Adaptive Management Ad hoc met on April 7, 2022

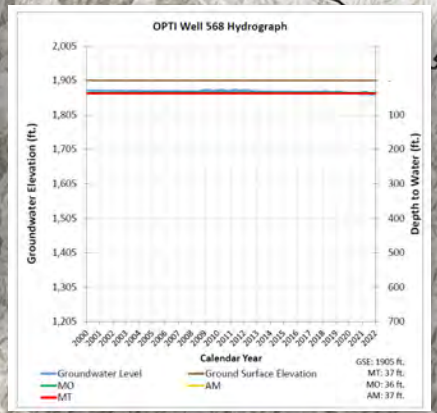
Summary of Groundwater Well Levels as Compared To Sustainability Criteria

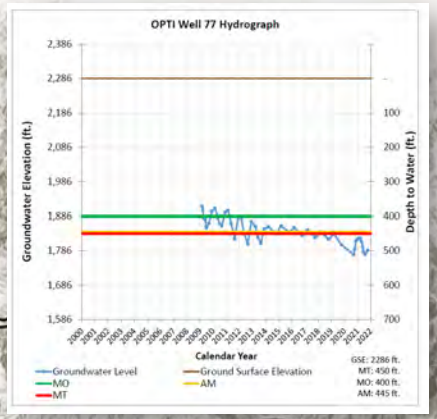
- 20 wells are currently below minimum threshold (MT)
  - 30% of wells (i.e. 15 wells) below MT for 10 months
  - 8 of these were already below MT at time of GSP adoption
- Adaptive management ad-hoc committee has been formed to discuss potential options

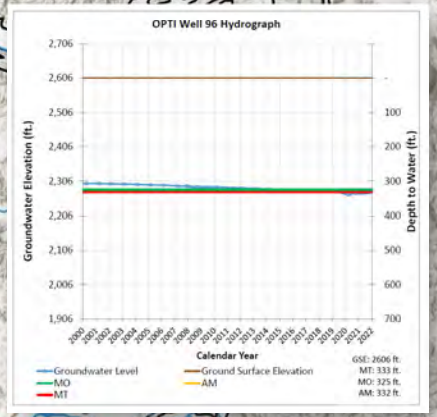


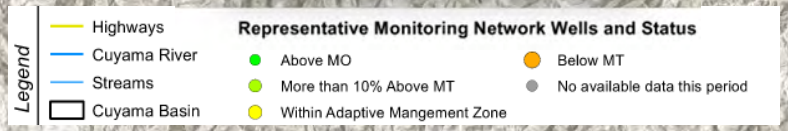
Current Status of Representative Monitoring Wells











Potential Strategies to Address Undesirable Results Discussed by Ad hoc

- Undesirable Results likely to be identified with April 2023 groundwater level monitoring

- Staff discussed process with DWR:
  - DWR recommended including additional background information in Annual Reports (i.e., drought impact, adaptive management work, etc.)
  - Basin not immediately turned over to Water Board (6–12-month process with hearings, etc.)
  - Have to follow our GSP (currently being amended)

Potential Strategies to Address Undesirable Results Discussed by Ad hoc

- Potential Options to address undesirable results:

No.	Options	Pros	Cons	Potential Next Steps
1	**Restrict Pumping in Individual Wells**	If effective, may stop water level declines in localized area and avoid undesirable results	May not bring levels up to the Minimum Thresholds. Will reduce water supply for extractors. Potential economic impact	Identify potential wells to reduce pumping and perform technical analysis to determine potential effect of pumping reductions
2	**Accelerate the Glidepath**	May stop water level declines, but currently limited to the Central MA	Will not bring levels up to the Minimum Thresholds and may not impact wells outside of the Central MA, potential increased economic impact	W&C to perform technical analysis to determine potential effect of glidepath acceleration
3	**Revise (Lower) Minimum Thresholds**	Will prevent a determination of undesirable results from occurring which may affect GSP compliance	Will allow water levels to decrease which may impact beneficial uses/users	Perform additional analysis and/or develop mitigation plan to protect beneficial uses and users (GDEs and domestic well owners) – write up in amended GSP
4	**Revise Undesirable Results Trigger (30% for 2-years)**	Will prevent a determination of undesirable results from occurring which may affect GSP compliance	Will allow water levels to decrease which may impact beneficial uses/users	Perform additional analysis and/or develop mitigation plan to protect beneficial uses and users (GDEs and domestic well owners) – write up in amended GSP

Potential Strategies to Address Undesirable Results
Ad hoc Recommendation

- Ad hoc Members: Directors Bantilan, Shephard, Vickery, Yurosek
- Pumping reductions may not be able to increase groundwater levels above the minimum thresholds by April 2023
- Ad hoc recommends implementing options 3 and/or 4
- Potential technical approaches to support options 3 and 4 include:
  - GIS-based analysis to assess potential impacts to beneficial uses and users
  - CBWRM analysis to estimate future groundwater levels as pumping reductions are implemented following the glidepath

TO: Board of Directors
Agenda Item No. 14

FROM: Jim Beck / Brian Van Lienden

DATE: May 4, 2022

SUBJECT: Direction on Effort to Identify Potential Non-Reporting Pumpers

Issue
Discuss effort to identify potential non-reporting pumpers.

Recommended Motion
Board feedback requested.

Discussion
On March 2, 2022, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board directed staff to strategize how to identify potential non-reporting pumpers.

An ad hoc was appointed and a meeting is being scheduled to develop potential options. Once information is developed it will be discussed at subsequent CBGSA Standing Advisory Committee and Board meetings.

TO: Board of Directors
Agenda Item No. 15

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Direction on Meter Requirement Compliance

Issue
Direction on meter requirement compliance.

Recommended Motion
Board feedback needed on potential penalty hearings with landowners.

Discussion
On March 3, 2021, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board of Directors voted to require each water user pumping more than 25 acre-feet of water per year from within the Basin to install a flow meter on their groundwater well by December 31, 2021. On January 5, 2022, the Board voted to extend this deadline to March 31, 2022 and adopt a non-compliance policy. Specifically, this policy provides that, if a water user is not in compliance with the meter installation requirement by April 1, 2022, the Board may hold a hearing to consider that water user's non-compliance and, after this hearing, may impose an initial penalty fee of $1,000.00 and an additional penalty fee of $100.00 for each month of non-compliance thereafter.

An update on meter compliance for known pumpers is provided as Attachment 1. Staff is seeking Board direction on whether to hold penalty fee hearings at the July 6, 2022, Board meeting.

Cuyama Basin Pumper Meter Compliance

Landowner	Estimated 2021 AF	Meter Compliance
1	9,401.10	✓
2	8,267.22	✓
3	1,924.74	✓
4	1,587.08	✓
5	1,180.69	✓
6	911.95	✓
7	878.47	✓
8	790.54	✓
9	553.26	✓
10	551.41	✓
11	391.50	✓
12	358.80	✓
13	358.11	✓
14	322.40	✓
15	287.04	✓
16	264.00	✓
17	196.94	✓
18	174.25	?
19	161.72	✓
20	110.63	✓
21	42.74	✓
22	23.01	
23	18.63	
24	4.90	
25	4.31	
26	3.00	
27	2.00	
28	0.34	
29	DM	
30	DM	
Total		**20**
Compliance Rate		**95%**

TO: Board of Directors
Agenda Item No. 16

FROM: Jim Beck / Taylor Blakslee

DATE: May 4, 2022

SUBJECT: Approval of FY 2022-2023 Budget and Cash Flow

Issue
Consider approving the Fiscal Year 2022-2023 Budget and cash flow.

Recommended Motion
Approve the Fiscal Year 2022-2023 Budget and cash flow.

Discussion
On March 2, 2022, staff reviewed the draft Fiscal Year 2022-2023 budget component list (developed with the budget ad hoc) with the Board of Directors.

On April 4, 2022, staff reviewed the draft Fiscal Year 2022-2023 budget and cash flow with the budget ad hoc (Directors Bantilan, Chounet, Vickery, Williams, and Wooster) and is provided as Attachment 1 and 2, respectively. The Fiscal Year 2022-2023 budget and cash flow are provided for consideration of approval.

PROJECTED FISCAL YEAR 2022-2023

Month	Beginning Cash	Hallmark Group	Legal	W&C & Technical	Other Technical Monitoring, etc.	Non Grant Reimb Exp Audit, Insurance, Contigency, Grant Proposal, TSS	Total Expenses	DWR SGM Grant	GW Extraction Fee	Total Revenues	Projected Ending Cash Balance	
		Expenses						Revenues				
Dec 17-Jun 30 Reir	907,128						30,000		1,064,000	1,064,000	1,971,128	
July-22	1,971,128	24,167	8,333	299,056	48,750	8,833	389,139			-	1,581,989	**Draft FY 22-23 Fee**
August-22	1,581,989	24,167	8,333	299,056		8,833	340,389			-	1,241,600	**$ 38**
September-22	1,241,600	24,167	8,333	299,056	55,000	8,833	395,389			-	846,211	
October-22	846,211	24,167	8,333	299,056	11,250	8,833	351,639	27,000		27,000	521,573	
November-22	521,573	24,167	8,333	299,056		8,833	340,389			-	181,184	
December-22	181,184	24,167	8,333	299,056		8,833	340,389			-	(159,205)	
January-23	(159,205)	24,167	8,333	299,056	11,250	8,833	351,639	988,575		988,575	477,731	
February-23	477,731	24,167	8,333	299,056		8,833	340,389			-	137,342	
March-23	137,342	24,167	8,333	299,056		8,833	340,389			-	(203,047)	
April-23	(203,047)	24,167	8,333	299,056	11,250	8,833	351,639	905,325		905,325	350,639	
May-23	350,639	24,167	8,333	299,056		8,833	340,389			-	10,250	
June-23	10,250	24,167	8,333	299,056		8,833	340,389			-	(330,139)	
Total		**290,000**	**100,000**	**3,588,667**	**137,500**	**106,000**	**4,222,167**	**1,920,900**	**1,064,000**	**2,984,900**		

PROJECTED FISCAL YEAR 2023-2024

July-23	(330,139)				8,833	189,260	905,325	140,000	1,045,325	525,927	**Draft FY 23-24 Fee**
August-23	525,927				8,833	189,260			-	336,667	**$ 5**
September-23	336,667				8,833	189,260			-	147,407	
October-23	147,407				8,833	189,260	905,325		905,325	863,473	
November-23	863,473				8,833	189,260			-	674,213	
December-23	674,213				8,833	189,260			-	484,953	
January-24	484,953				8,833	189,260	487,151		487,151	782,845	
February-24	782,845				8,833	189,260			-	593,585	
March-24	593,585				8,833	189,260			-	404,325	
April-24	404,325				8,833	189,260	487,151		487,151	702,217	
May-24	702,217				8,833	189,260			-	512,957	
June-24	512,957				8,833	189,260			-	323,697	
					106,000	2,271,117					

PROJECTED FISCAL YEAR 2024-2025								
July-24	323,697		10,600	145,672	487,151	140,000	627,151	805,177
August-24	805,177		10,600	145,672			-	659,505
September-24	659,505		10,600	145,672			-	513,834
October-24	513,834		10,600	145,672	487,151		487,151	855,313
November-24	855,313		10,600	145,672			-	709,641
December-24	709,641		10,600	145,672			-	563,970
January-25	563,970		10,600	145,672	364,694		364,694	782,992
February-25	782,992		10,600	145,672			-	637,320
March-25	637,320		10,600	145,672			-	491,648
April-25	491,648		10,600	145,672	364,694		364,694	710,670
May-25	710,670		8,833	95,833			-	614,837
June-25	614,837		8,833	95,833	1,246,258		1,246,258	1,765,261
			123,667	1,648,383				

Draft FY 24-25 Fee
$ 5

PROJECTED FISCAL YEAR 2025-2026								
July-25	1,765,261			95,833		140,000	140,000	1,809,428
August-25	1,809,428			95,833			-	1,713,595
September-25	1,713,595			95,833			-	1,617,761
October-25	1,617,761			95,833			-	1,521,928
November-25	1,521,928			95,833			-	1,426,095
December-25	1,426,095			95,833			-	1,330,261
January-26	1,330,261			95,833			-	1,234,428
February-26	1,234,428			95,833			-	1,138,595
March-26	1,138,595			95,833			-	1,042,761
April-26	1,042,761			95,833			-	946,928
May-26	946,928			95,833			-	851,095
June-26	851,095			95,833			-	755,261
				1,150,000				

Draft FY 25-26 Fee
$ 5

DRAFT CBGSA FY 2022-23 BUDGET

	A	B	C	D	E	F
	Category	**3-Yr Grant Funded**	**Grant Budget**	**2022-23 Budget**	**2023-24 Budget**	**2024-25 Budget**
A	**HALLMARK GROUP**					
1	CBGSA Board of Directors Meetings	Y	$ 870,000	$ 111,397	$ 111,397	$ 111,397
2	Consultant Management and GSP Implementation	Y		$ 73,351	$ 73,351	$ 73,351
3	Financial Information Coordination	Y		$ 51,357	$ 51,357	$ 51,357
4	Cuyama Basin GSA Outreach	Y		$ 10,721	$ 10,721	$ 10,721
5	Annual Groundwater Extraction Fee	Y		$ 5,562	$ 5,562	$ 5,562
6	Support for CBGSA Response to DWR and Public Comments	Y		$ 18,217	$ 18,217	$ 18,217
7	Central Management Area Support	Y		$ 11,768	$ 11,768	$ 11,768
8	Adjudication Discussions	Y		$ 1,935	$ 1,935	$ 1,935
9	Other Direct Charges (Mileage, conference lines, copies)	Y		$ 5,694	$ 5,694	$ 5,694
	Subtotal		**$ 870,000**	$ 290,000	$ 290,000	$ 290,000
B	**LEGAL**					
1	General Legal Counsel	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
	Subtotal		**$ 300,000**	$ 100,000	$ 100,000	$ 100,000
C	**ADMIN**					
1	Audit (FY 21-22)	N		$ 9,800	$ 9,800	$ 9,800
2	Insurance (D&O, General Liability)	N		$ 14,000	$ 14,000	$ 14,000
3	California Association of Mutual Water Co. Membership	N		$ 200	$ 200	$ 200
4	Contingency	N		$ 20,000	$ 20,000	$ 20,000
	Subtotal		**$ -**	$ 44,000	$ 44,000	$ 44,000
D	**WOODARD & CURRAN & TECHNICAL**					
1	Grant Proposals	N	$ -	$ 42,000	$ 42,000	$ 42,000
2	Stakeholder/Board Engagement					
3	SAC meetings	Y	$ 81,000	$ 27,000	$ 27,000	$ 27,000
4	Board meetings	Y	$ 120,000	$ 40,000	$ 40,000	$ 40,000
5	Board Ad-hoc calls	Y	$ 48,000	$ 16,000	$ 16,000	$ 16,000
6	Tech Forum calls (new item)	Y	$ 36,000	$ 10,000	$ 16,000	$ 10,000
7	Public Workshops	Y	$ 65,000	$ 16,000	$ 33,000	$ 16,000
8	Outreach					
9	General, Newsletter Development, etc.	Y	$ 45,000	$ 15,000	$ 15,000	$ 15,000
10	Website Updates - Maintenance / Hosting	Y	$ 20,000	$ 6,667	$ 6,667	$ 6,667
11	Support for DWR Technical Services (TSS)	N	$ -	$ 20,000	$ 20,000	$ 20,000
12	GSP Implementation Support					
13	GSP Implementation Program Management	Y	$ 170,000	$ 55,000	$ 60,000	$ 55,000
14	GW Levels and GWQ Monitoring Network Coordination and Data Mgn	Y	$ 60,000	$ 20,000	$ 20,000	$ 20,000
15	DMS Ongoing Maintenance and Enhancements	Y	$ 75,000	$ 25,000	$ 25,000	$ 25,000
16	Support for CBGSA Response to DWR and Public Comments / Modify	Y	$ 70,000	$ 40,000	$ -	$ -
17	Support for Adaptive Management of Groundwater Levels	Y	$ 180,000	$ 80,000	$ 50,000	$ 50,000
18	Prepare Annual Report for Cuyama Basin	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
19	Meter Implementation - Ongoing Support	Y	$ 30,000	$ 10,000	$ 10,000	$ 10,000
20	Grant Admin (SGM Round 1)	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
21	Perform Monitoring and Monitoring Network Enhancements					
22	Install Piezometers for GW-SW and GDE Monitoring	Y	$ 45,000	$ 45,000	$ -	$ -
23	Driller Cost	Y	$ 165,000	$ 165,000	$ -	$ -
24	Install Dedicated Monitoring Wells	Y	$ 415,000	$ 415,000		$ -
25	Driller Cost	Y	$ 2,000,000	$ 2,000,000		$ -
26	Improve Understanding of Basin Water Use					
27	Perform updated land use survey	Y	$ 30,000	$ 30,000	$ -	$ -
28	Perform river channel survey	Y	$ 45,000	$ 45,000	$ -	$ -
29	Enhance existing CIMIS station & implement new stations	Y	$ 80,000	$ 80,000	$ -	$ -
30	Project & Management Action Implementation					
31	CBWRM model update and re-calibration	Y	$ 200,000	$ -	$ 200,000	$ -
32	Incorporate AEM data into model update	Y	$ 90,000	$ -	$ 90,000	$ -
33	Pumping allocation implementation	Y	$ 200,000	$ 100,000	$ 50,000	$ 50,000
34	Analysis of management action implementation options	Y	$ 240,000	$ 96,000	$ 96,000	$ 48,000
35	Precipitation enhancement feasibility study	Y	$ 30,000	$ 30,000	$ -	$ -
36	Flood and Stormwater Capture - water rights analysis	Y	$ 55,000	$ -	$ 55,000	$ -
37	GSP Implementation, Outreach, and CBGSA Management					
38	Outreach - domestic well owners	Y	$ 15,000	$ 15,000	$ -	$ -
39	5-year GSP update	Y	$ 983,500	$ -	$ 688,450	$ 295,050

	Category	3-Yr Grant Funded	Grant Budget	2022-23 Budget	2023-24 Budget	2024-25 Budget
	Subtotal		**$ 6,028,500**	**$ 3,588,667**	**$ 1,705,117**	**$ 890,717**
E	**OTHER TECHNICAL**					
1	Quarterly GW Levels and Piezometer Monitoring (Contractor TBD)	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
2	Annual WQ Monitoring (Contractor TBD)	Y	$ 96,000	$ 32,000	$ 32,000	$ 32,000
3	Perform One-Time Nitrate and Arsenic Testing	Y	$ 5,500	$ 5,500		
4	Annual Stream Gauge Maintenance (USGS)	Y	$ 165,000	$ 55,000	$ 55,000	$ 55,000
	Subtotal		**$ 401,500**	$ 137,500	$ 132,000	$ 132,000
	Grant Funded			**$ 4,054,167**	$ 2,165,117	$ 1,350,717
	CBGSA Funded (non grant-eligible costs)			**$ 106,000**	$ 106,000	$ 106,000
	TOTAL		$ 7,600,000	**$ 4,160,167**	$ 2,271,117	$ 1,456,717

TO: Board of Directors
Agenda Item No. 17

FROM: Jim Beck / Taylor Blakslee

DATE: May 4, 2022

SUBJECT: Approval of FY 22-23 Consultant Task Orders

Issue
Consider approval of Fiscal Year 2022-2023 Consultant task orders.

Recommended Motion
Approve Fiscal Year 2022-2023 task orders for the Hallmark Group and Woodard & Curran.

Discussion
Hallmark Group and Woodard & Curran task orders for July 1, 2022 through June 30, 2023 are provided as Attachments 1 and 2, respectively. The task orders match the amounts in the Fiscal Year 2022-2023 budget and are provided for consideration of Board approval.

TASK ORDER CB-HG-008

TASK ORDER NO. CB-HG-008

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY EXECUTIVE DIRECTOR

Task Order No.:	CB-HG-008
Contractor:	The Hallmark Group
Request for Services:	Executive Director
Agreement Number:	201709-CB-001
Amount:	$290,000.00
Contract Period:	July 1, 2022 – June 30, 2023

DESCRIPTION OF TASK

The Hallmark Group serves as the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Executive Director. For the July 2022 through June 2023 period, the below tasks match the line items and dollar amounts from the adopted FY 2022-23 budget.

SCOPE OF WORK FOR CBGSA EXECUTIVE DIRECTOR

TASK 1 – CBGSA BOARD OF DIRECTORS MEETINGS

1.1 Prepare for and facilitate six Standing Advisory Committee meetings

1.2 Prepare for and facilitate six Board meetings

1.3 Administer Form 700s and Manage ad hoc development

TASK 2 – CONSULTANT MANAGEMENT AND GSP IMPLEMENTATION

2.1 Facilitate biweekly project team calls

2.2 Coordinate with Counties and well permits applicants

2.3 Assist with facilitation of potential grant proposal

2.4 Support for DWR TSS program

2.5 Perform GSP implementation program management

2.6 Support for adaptive management of groundwater levels

2.7 Administration of meter requirement

2.8 Review of model updates

2.9 Review/management of grant projects

2.10 Manage field staff to measure quarterly groundwater levels and annual water quality

TASK 3 – FINANCIAL INFORMATION COORDINATION

3.1 Ongoing grant administration

3.2 Financial report development and year end close out

3.3 Facilitate Fiscal Year audit

3.4 Develop the FY 2023-24 budget and cash flow

3.5 Submit State government compensation form and LGRS financial reports

TASK 4 – CUYAMA BASIN GSA OUTREACH

4.1 Plan and facilitate one public workshop, if needed

4.2 Review and assist in development of newsletter

4.3 Coordinate website updates

4.4 General stakeholder outreach (interaction with public, etc.)

4.5 Facilitate domestic well outreach

TASK 5 – ANNUAL GROUNDWATER EXTRACTION FEE

5.1 Determine 2022 water use via meter data and landowner reported ET for small pumpers

5.2 Develop fee report

5.3 Facilitate public hearing

5.4 Develop invoices, notices, field inquiries, process late invoices

TASK 6 – SUPPORT FOR CBGSA RESPONSE TO DWR AND PUBLIC COMMENTS

6.1 Facilitate response(s) to potential DWR inquiries during the GSP review

TASK 7 – CENTRAL MANGEMENT AREA SUPPORT

7.1 Develop Central Management area policies related to pumping reductions

7.2 Administer pumping reductions

7.3 Review potential variance applications

TASK 8 – ADJUDICATION DISCUSSSIONS

8.1 Facilitate discussions, if required, and respond to GSA requirements of the adjudication

TASK NUMBER	DELIVERABLE	TARGET DATE
1	Facilitate 6 SAC and 6 Board meetings	Bimonthly
1.3	Facilitate Form 700 Reporting	April
2.1	Facilitate project team calls	Biweekly
3.3	Facilitate the Audit	Aug
3.4	FY 2023-24 Budget and cash flow	Mar
5.2	Develop fee report	May

TERM

The term of this Task Order is July 1, 2022 through June 30, 2023.

DETAILED COSTS

Contractor shall invoice all services according to the Agreement. The total amount of this Task Order shall not exceed $290,000.00. Line-item costs are provided in Exhibit A.

CONTACT PERSONS

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY	HALLMARK GROUP
Representative: Derek Yurosek	Representative: Charles R. Gardner Jr.
P.O. Box 20157	500 Capitol Mall, Suite 2350
Bakersfield, CA 93390	Sacramento, CA 95814
Phone: (661) 323-4005	Phone: (916) 923-1500

Email: dyurosek@bolthouseproperties.com	Email: cgardner@hgcpm.com

AUTHORIZED SIGNATURES

Contractor and the Cuyama Basin Groundwater Sustainability Agency agree that these services will be performed in accordance with the terms and conditions of Standard Agreement Number 201709-CB-001.

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY	HALLMARK GROUP
Derek Yurosek Board Chairman	Charles R. Gardner Jr. President
Date	Date

TASK ORDER CB-HG-008

ESTIMATED COST FOR 12 MONTHS (DOLLARS)

	Classification	Total Cost
Fiscal Year 2022-23 Budgeted Costs		
Task 1	CBGSA Board of Directors Meetings	$ 111,397
Task 2	Consultant Management and GSP Implementation	$ 73,351
Task 3	Financial Information Coordination	$ 51,357
Task 4	Cuyama Basin GSA Outreach	$ 10,721
Task 5	Annual Groundwater Extraction Fee	$ 5,562
Task 6	Support for CBGSA Response to DWR and Public Comments	$ 18,217
Task 7	Central Management Area Support	$ 11,768
Task 8	Adjudication Discussions	$ 1,935
Task 9	Other Direct Charges (Mileage, conference lines, copies)	$ 5,694
Total Estimated Cost		$ 290,000

TASK ORDER NUMBER 10

Issued Pursuant to the Consulting Services Agreement Between Woodard & Curran, Inc. and Cuyama Basin Groundwater Sustainability Agency, dated as of May 4, 2022.

This Task Order is issued pursuant to, and in accordance with the Agreement, the terms and conditions of which are incorporated herein by this reference. Unless otherwise specified, all capitalized terms used in this Task Order shall have the same meaning as used in the Agreement. This Task Order will not be deemed valid and binding upon the Parties until both Consultant and Client have both signed below.

Scope of Services:
Consultant agrees to provide the Services described in the attached Task Order No. 10 – Scope of Services.

Schedule:
Consultant shall perform the services under this Task Order No. 10 according to the schedule included in Exhibit A of the Agreement and Table 1 and 2 below.

Compensation:
For all Services duly rendered hereunder, Client shall pay Consultant in accordance with the Rate Table; and for Reimbursable Expenses. Compensation for Task Order No. 10 shall not exceed $1,423,667, as detailed in the attached budget.

Designated Project Representative

Client: Jim Beck

Consultant: Brian Van Lienden

Effective date: May 4, 2022

IN WITNESS WHEREOF, the undersigned have caused this Task Order to be duly executed by their authorized representatives set forth below.

Woodard & Curran, Inc.	**Cuyama Basin Groundwater Sustainability Agency**
Signed_____	Signed_____
Name_____	Name_____
Title_____	Title_____

Table 1. Task Order 10 Deliverables

Task		Deliverables	Deliverable Date
1	Stakeholder and Board Engagement and Outreach Support	• Presentation materials and other handouts developed for Board and stakeholder meetings • Newsletter and other outreach materials that are developed • Continued maintenance of the CBGSA website	Jun 2023
2	Grant Agreement Administration	• Quarterly progress reports and reimbursement request packages on behalf of the CBGSA	Jun 2023
3	Ongoing Monitoring and Data Management Support	• Monthly groundwater conditions and annual groundwater quality reports • Enhanced DMS updated with recent monitoring data	Jun 2023
4	Monitoring Network Enhancements	• Monitoring well and piezometer installation documentation reports	Jun 2023
5	Project and Management Action Implementation	• Updated model input and output data sets; presentation materials with updated model results • Summary report documenting framework for pumping allocations • A summary report documenting the results of the precipitation enhancement technical analysis	Jun 2023
6	GSP Implementation, Outreach, and Compliance Activities	• Updated GSP sections developed in response to DWR comments • Annual Report for the Cuyama Basin	Jun 2023
7	Improve Understanding of Basin Water Use	• Monthly land use data in GIS format • River channel survey results in digital format • A summary report documenting completion of weather stations	Jun 2023
8	Support for DWR Technical Support Services	• Completed application forms and other documents required by DWR	Jun 2023

9	Preparation of Grant Application	• Draft and final electronic (Word and PDF) files of the grant application	Jun 2023

Table 2. Anticipated Task Order 9 Meetings

Month	Type	Participants	Meeting Topics
July 2022	In-Person	• Standing Advisory Committee	• GSP Implementation Updates
July 2022	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates
Sep 2022	In-Person	• Standing Advisory Committee	• GSP Implementation Updates
Sep 2022	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates
Nov 2022	In-Person	• Standing Advisory Committee	• GSP Implementation Updates
Nov 2022	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates
Jan 2023	In-Person	• Standing Advisory Committee	• GSP Implementation Updates
Jan 2023	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates
Mar 2023	In-Person	• Standing Advisory Committee	• GSP Implementation Updates • GSP Annual Report
Mar 2023	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates • GSP Annual Report
May 2023	In-Person	• Standing Advisory Committee	• GSP Implementation Updates
May 2023	In-Person	• CGBSA Board Member	• GSP Implementation Updates • CBGSA Updates

TASK ORDER NO. 10 SCOPE OF SERVICES

This task order includes the following support for the Cuyama Basin Groundwater Sustainability Agency (CBGSA) by the Woodard & Curran (W&C) team:

- Stakeholder and board engagement and ongoing outreach support
- Grant agreement administration
- Ongoing monitoring and data management support
- Monitoring network enhancements
- Project and management action implementation
- GSP implementation, outreach, and compliance activities
- Improve understanding of basin water use
- Support for DWR technical support services
- Preparation of grant applications

These activities are described in the scope of work below.

Scope of Work

Task 1: Stakeholder and Board Engagement and Outreach Support

This task includes support for stakeholder and CBGSA Board engagement during the period of July 1, 2022 through June 30, 2023. Under this task, the W&C team will provide the following services for up to six meetings of the Stakeholder Advisory Committee (SAC) and up to six meetings of the CBGSA Board:

- Prepare presentation materials and other handouts and documents needed for each SAC and Board meeting (prepare materials for up to six meetings)
- Participation in each SAC meeting (one consultant team participant, assumed to be via conference call) (participate in up to six meetings)
- Participation in each CBGSA Board meeting (one consultant team participant, either in person or via conference call) (participate in up to six meetings)

In addition, the W&C team will perform the following:

- Participate in up to 12 meetings of CBGSA Board Ad-hoc committees (one consultant team participant, assumed to be via conference call)
- Participate in up to 6 meetings of the Technical Forum (two consultant team participants, assumed to be via conference call)
- Conduct one public workshop; for which the consultant will prepare presentation materials and conduct facilitation. It is assumed that two consultant team members will participate in the workshop in person.
- As needed stakeholder outreach support, including development of one (1) newsletter and other outreach materials, coordination with CBGSA Board and SAC members, and planning and facilitation for stakeholder outreach meetings.
- Maintenance of the CBGSA website, including hosting services and uploading of website content as needed.

Task 1 Deliverables

- Presentation materials and other handouts developed for Board and stakeholder meetings

- Newsletter and other outreach materials that are developed
- Continued maintenance of the CBGSA website

Task 2: Grant Agreement Administration

The W&C team will manage and administer the grant funding to be received under the DWR SGM grant and will be conducted by a retained consultant with review by the CBGSA. As required under the Basin's current funding agreement, this task will involve the preparation of reimbursement request packages containing invoices from those implementing the components and quarterly progress reports. Under this task, invoices will be checked and incorporated into monthly invoices that clearly show team members, hours, costs, and progress on component tasks. Quarterly progress reports will be prepared to accompany DWR invoices showing progress made during the month, next steps for the following billing cycle, and status of both schedule and budget.

This task also includes coordination among members of the technical team to ensure consistency between tasks and sharing of information and data. Additionally, this task includes preparation of a final report to DWR, in addition to submittal of quarterly progress reports and invoices, as required by the grant agreement.

Task 2 Deliverables

- Quarterly progress reports and reimbursement request packages on behalf of the CBGSA

Task 3: Ongoing Monitoring and Data Management Support

The W&C team will support the CBGSA in implementation of monitoring for groundwater levels and groundwater quality, as well as in managing and enhancing the Cuyama Basin Data Management System (DMS). The task includes the following activities:

- Monthly groundwater levels monitoring – the W&C team will support Provost & Pritchard, who will perform monthly monitoring at each monitoring well. W&C will review measurements provided by Provost & Pritchard, will prepare a monthly groundwater conditions report, and will manage the uploading of data collected into the data management system.
- Annual groundwater quality monitoring – the W&C team will support Provost & Pritchard, who will perform total dissolved solids (TDS), arsenic and nitrate measurements at each water quality monitoring well. W&C will review measurements provided by Provost & Pritchard, will prepare a groundwater quality conditions report, and will manage the uploading of data collected into the data management system.
- Ongoing hosting, maintenance, and technical support for the DMS.
- Implement improvements to the DMS as directed by the CBGSA Board. Potential improvements include implementation of a sustainability dashboard that communicates to CBGSA Board members and stakeholders the current state of the Basin relative to GSP sustainability criteria; implementation of capability to manage data from well meter reporting; and digitization of Cuyama Basin technical data that is currently in hard copy form.

Task 3 Deliverables

- Monthly groundwater conditions and annual groundwater quality reports
- Enhanced DMS updated with recent monitoring data

Task 4: Monitoring Network Enhancements

The W&C team will support the CBGSA in activities supporting the installation of new piezometers and dedicated monitoring wells within the Cuyama Basin.

Subtask 4.1 – Installation of Dedicated Monitoring Wells

The consultant will conduct planning and design activities associated with the installation of between four and six multi-completion monitoring wells within the Basin. The number and location of monitoring wells to be installed, as well as the number of completions to be included in each monitoring well, will be determined through a technical assessment of potential monitoring well locations, associated costs, and landowner participation. It is assumed that the CBGSA will procure a drilling contractor to install the dedicated monitoring wells separate from this task order, and that the consultant will provide planning and design support for this activity. The consultant will perform the following activities for each well location:

- Finalize locations of monitoring wells and coordinate access for each monitoring well
- Prepare CEQA categorical exemption forms
- Prepare specifications and plans for installation of monitoring wells and assist the CBGSA in procuring a drilling contractor
- Provide in-field oversight of well Installation and development (1 consultant team staff assumed)
- Perform surveying after well installation is complete
- Procure and install transducers in each well
- Preparation report documenting installation of dedicated monitoring wells

Subtask 4.2 – Installation of Piezometers

The consultant will conduct planning and design activities associated with the installation of between four and six piezometers within the Basin. The number and location of piezometers to be installed, will be determined through a technical assessment of potential piezometer locations, associated costs, and landowner participation. It is assumed that the CBGSA will procure a drilling contractor to install the piezometers from this task order, and that the consultant will provide planning and design support for this activity. The consultant will perform the following activities for each piezometer location:

- Finalize locations of piezometers and coordinate access for each monitoring well
- Prepare CEQA categorical exemption forms
- Prepare specifications and plans for installation of piezometers and assist the CBGSA in procuring a drilling contractor
- Provide in-field oversight of piezometer Installation and development (1 consultant team staff assumed)
- Perform surveying after well installation is complete
- Prepare report documenting installation of piezometers

Task 4 Deliverables

- Monitoring well and piezometer installation documentation reports

Task 5: Project and Management Action Implementation

The task includes the following subtasks.

Subtask 5.1 – Develop and Implement Framework for Pumping Allocations

The Consultant will support the CBGSA in developing and implementing a framework for pumping allocations, which will include the following activities at the discretion of the CBGSA Board: determining the sustainable yield of the Basin, allocating the sustainable yield of native groundwater to users based on historical use, land uses, and irrigated areas, allocating new and additional supplies, and developing a timeline for reducing pumping to achieve allocations over time. A specific approach for allocation of pumping volumes among agricultural users in the Central Basin management area may be developed. The Consultant will assist the CBGSA in working with landowners and agencies to determine the appropriate approach for pumping allocations for agricultural users.

Subtask 5.2 – Analysis of Management Action Implementation Options

The Consultant will use the CBWRM model to analyze water management action implementation to explore additional options for pumping allocations in the Basin. Up to two (2) modeling scenarios will be developed that explore varying levels of pumping reduction as well as varying options for revised management area boundaries. The assumptions and results of the water management action implementation options analysis will be included in presentation materials for CBGSA Board meetings.

Subtask 5.3 – Support for Adaptive Management of Groundwater Levels

In this task, the W&C team will assist the CBGSA in evaluating progress towards meeting its sustainability goals and avoiding undesirable results. The GSP defines adaptive management triggers that would initiate the process for considering implementation of adaptive management and actions. As directed by the CBGSA, the W&C team will assist the CBGSA in evaluating whether groundwater levels and/or quality are trending towards undesirable results, investigating the cause, and recommending appropriate actions.

Subtask 5.4 – Precipitation Enhancement Feasibility Analysis

The Consultant will perform a precipitation enhancement technical analysis that evaluates potential benefits to be accrued from implementation of a precipitation enhancement project that builds off of the information developed in the 2016 Santa Barbara County study. Additional data developed since then will be used to perform an updated accounting of potential benefits and costs.

Task 5 Deliverables

- Updated model input and output data sets; presentation materials with updated model results
- Summary report documenting framework for pumping allocations
- A summary report documenting the results of the precipitation enhancement technical analysis

Task 6: GSP Implementation, Outreach, and Compliance Activities

The task includes the following subtasks.

Subtask 6.1 – GSP Implementation Program Management

The W&C team will perform oversight of project and management action implementation, including coordination among GSA Board, staff and stakeholders, coordination of GSA implementation technical activities, oversight and management of CBGSA consultants and subconsultants, budget tracking, schedule management, and quality assurance/quality control of project implementation activities.

Subtask 6.2 – Support for CBGSA Response to DWR and Public Comments

In this task, the W&C team will assist the CBGSA in reviewing and responding to comments and questions from DWR and the public on the GSP document submitted to DWR in January 2020, including the following activities:

- Coordination calls with DWR representatives.
- Completion of documentation and other information requested by DWR to facilitate review of the GSP.
- Assisting in developing written responses to comments on the GSP provided by DWR and the public.
- Assistance in updating GSP document sections in response to DWR comments. It is assumed that document updates can be performed with currently available information and that no additional technical analysis will be required. A draft version of each updated section will be provided to the CBGSA for review prior to submittal to DWR.

Subtask 6.3 – Prepare Annual Report for Cuyama Basin

The W&C team will prepare the sections needed to complete the Annual Report. The following sections will be developed:

- Executive Summary – a concise statement of the contents of the Annual Report
- Introduction – a description of the purpose of the Annual Report, information about CBGSA, and a summarized description of the Cuyama Basin Plan Area
- Updated Groundwater Conditions - the current, historical, and projected conditions of the Basin will be updated, including updated groundwater elevation contour maps, hydrographs of groundwater elevations and change in groundwater storage
- Water Supply and Use - descriptions and values (where possible) about groundwater extraction, surface water flows, and total water use for the preceding year
- Plan Implementation Status - a description of the progress towards implementation of the GSP, including progress towards achieving interim milestone and towards the implementation of projects and management actions

An Annual Report document will be prepared and submitted to the CBGSA Board for review and approval at a CBGSA Board meeting prior to submittal to DWR.

Subtask 6.4 – Support for Meter Installation

The W&C team will provide as-needed support to the CBGSA to help in the implementation of pumping flow meters in Cuyama Basin wells. Potential activities to be performed by W&C include maintenance and update of a list of production wells in the Basin, updates to well installation and data reporting guidance documents and support with well owner outreach and engagement in relation to the well metering program. The W&C team will work with the CBGSA Board to identify specific activities to be performed in this task.

Task 6 Deliverables

- Updated GSP sections developed in response to DWR comments

- Annual Report for the Cuyama Basin

Task 7: Improve Understanding of Basin Water Use

This task includes the following activities:

- Updated land use data reflecting representative historic Basin-wide land use will be developed on a monthly time scale for a recent water year. The spatial scale and land use categorization of the developed data will be similar to what was previously developed in the Basin by DWR for water years 2014 and 2016. These land use estimates will be developed using satellite imagery, and compared to land use information provided by Basin landowners for consistency, and to develop a comprehensive Basin-wide data set.
- A river channel survey will be performed. For cost purposes, it is assumed that the survey would be performed over a seven-mile stretch of the river using drone technology. a technical assessment will be performed to identify the river reaches that would be surveyed to provide the greatest benefits in understanding Cuyama River flow and seepage.
- The existing weather (CIMIS) station in the basin will be enhanced and additional weather stations will be installed in the basin. New stations may be full CIMIS stations (providing the full range of climatological data) or stand-alone stations for recording temperature and precipitation. The type, number and locations of newly installed stations will be based on a technical assessment of potential benefits and on the availability of willing landowners to host the stations and to provide the necessary acreage. For cost purposes, it is assumed that four new CIMIS stations will be developed; however after the technical assessment is performed it may be determined that fewer CIMIS stations are desirable or feasible, and these will be replaced by stand-alone weather stations.

Task 7 Deliverables

- Monthly land use data in GIS format
- River channel survey results in digital format
- A summary report documenting completion of weather stations

Task 8: Support for DWR Technical Support Services

In this task, the W&C team will assist the CBGSA in obtaining support from the DWR TSS as directed by the CBGSA Board. This task includes the following activities to be performed during the period from July 1, 2022 through June 30, 2023:

- Coordination calls with DWR representatives, CBGSA Ad-hoc committee and Cuyama Basin stakeholders
- Completion of application forms and other documents required by DWR to facilitate the TSS process
- Working with the CBGSA Ad-hoc committee to contact local landowners to complete necessary permission forms and to information and needed to facilitate DWR TSS support

Task 8 Deliverables

- Completed application forms and other documents required by DWR

Task 9: Preparation of Grant Applications

As directed by the CBGSA Board, the W&C team will prepare an application for grant funding under the DWR SGM Grant Program or other grant program as directed by the CBGSA Board. The task includes the following subtasks to be performed for each grant application to be prepared.

Subtask 9.1 – Coordination with Cuyama Basin Stakeholders

The W&C team will coordinate with the CBGSA Board and/or ad-hoc committee to review the work plans, budgets, and schedules to be included in the Grant Application. Consultant will confirm that the information submitted to DWR both meets standards required by the grant program and is in alignment with the expectations of the CBGSA Board.

Subtask 9.2 – Grant Application Development and Submittal

A draft grant application will be prepared to address the various requirements grant funding as documented in the PSP for the grant opportunity and to track completion of the required attachments. Work items to be conducted in preparing the application could potentially include:

- Review of final grant solicitation materials, including project qualification requirements, authorization and eligibility requirements, and preparation of grant application outline and list of data needs.
- Preparation of required eligibility documentation, including documentation of compliance with the required state programs.
- Preparation of the Work Plan, Budget and Schedule attachments as required by the grant opportunity
- Preparation of the Severely Disadvantaged Community (SDAC), Disadvantaged Community (DAC), and Economically Distressed Area (EDA) attachments as required by the grant opportunity
- Submittal of all required grant application documents

Task 9 Deliverables

- Draft and final electronic (Word and PDF) files of the grant application

Cuyama Groundwater Sustainability Agency — Fee Estimate

Woodard & Curran Task Order 10 - Fiscal Year 2022-2023 GSP Implementation Tasks

Tasks		Labor										ODCs		Total
Task #	Task	Senior Practice Leader	Senior Engineer/ Hydrogeologist	Outreach	Junior Engineer/ Planner	Software Engineer	Geologist 1	Website Maint.	Admin / Tech Editing	Total Hours	Total Labor Costs (1)	ODCs	Total ODCs (3)	Total Fee
Task #		$330	$305	$225	$225	$180	$180	$130	$120					
1	**Stakeholder/Board and Outreach Engagement Support**													
1.1	SAC/Board meeting preparation (assume 6)	6	60	12	18					96	$27,030		$0	$27,030
1.2	SAC meeting participation (assume 6)	0	48							48	$14,640		$0	$14,640
1.3	Board meeting participation (assume 6)	12	60							72	$22,260	$2,400	$2,640	$24,900
1.4	Board Ad-hoc calls (assume 12)	6	24		30					60	$16,050		$0	$16,050
1.5	Technical Forum calls (assume 6)	6	18		12					36	$10,170		$0	$10,170
1.6	Public Workshops (assume 1)	8	22	12	12					54	$14,750	$1,200	$1,320	$16,070
1.7	General, Newsletter development, etc.	2	16	40	2					60	$14,990		$0	$14,990
1.8	Website Updates - Maintenance / Hosting							48		48	$6,240	$400	$440	$6,680
1.9	Outreach - Domestic Well Users	2	12	44	4					62	$15,120		$0	$15,120
	Subtotal Task 1:	42	260	108	78	0	0	48	0	536	$141,250	$4,000	$4,400	$145,650
2	**Grant Administration**													
2.1	Grant Administration	4	128		260				10	402	$100,060		$0	$100,060
	Subtotal Task 2:	4	128	0	260	0	0	0	10	402	$100,060	$0	$0	$100,060
3	**Ongoing Monitoring and Data Management Support**													
3.1	GW and quality levels monitoring coordination and data management	1	28		36	16				81	$19,850		$0	$19,850
3.2	Data Management System ongoing maintenance and tech support		4			24				28	$5,540		$0	$5,540
3.3	Data Management System enhancements		20		8	64				92	$19,420		$0	$19,420
	Subtotal Task 3:	1	52	0	44	104	0	0	0	201	$44,810	$0	$0	$44,810
4	**Monitoring Network Enhancements**													
4.1	Dedicated Monitoring Wells - planning, installation and reporting		136		300		1140			1576	$314,180	$90,000	$99,000	$413,180
4.2	Piezometers - planning, installation and reporting		12		36		104			152	$30,480	$15,000	$16,500	$46,980
	Subtotal Task 4:	0	148	0	336	0	1244	0	0	1728	$344,660	$105,000	$115,500	$460,160
5	**Project & Management Action Implementation**													
5.1	Develop and implement framework for pumping allocations	4	130	24	240					398	$100,370		$0	$100,370
5.2	Analysis of management action implementation options	4	74		320					398	$95,890		$0	$95,890
5.3	Support for Adaptive Management of GW Levels	8	106		200					314	$79,970		$0	$79,970
5.4	Precipitation enhancement feasibility study	4	40		72					116	$29,720		$0	$29,720
	Subtotal Task 5:	20	350	24	832	0	0	0	0	1226	$305,950	$0	$0	$305,950
6	**GSP Implementation, Outreach, and Compliance Activities**													
6.1	GSP Implementation program management	8	96		96				12	212	$54,960		$0	$54,960
6.2	Support for CBGSA Response to DWR and Public Comments	2	42		118					162	$40,020		$0	$40,020
6.3	Prepare Annual Report for Cuyama Basin	8	56		108				8	180	$44,980		$0	$44,980
6.4	Ongoing support for meter installation requirement		8		34					42	$10,090		$0	$10,090
	Subtotal Task 6:	18	202	0	356	0	0	0	20	596	$150,050	$0	$0	$150,050
7	**Improve Understanding of Basin Water Use**													
7.1	Improve existing CIMIS station and install new weather stations	4	44		94					142	$35,890	$40,000	$44,000	$79,890
7.2	Perform land use survey		8		24					32	$7,840	$20,000	$22,000	$29,840
7.3	Perform river channel survey		18		162					180	$41,940	$3,020	$3,322	$45,262
	Subtotal Task 7:	4	70	0	280	0	0	0	0	354	$85,670	$63,020	$69,322	$154,992
8	**Support for DWR Technical Support Services**													
8.1	DWR TSS Support	2	34		40					76	$20,030		$0	$20,030
	Subtotal Task 8:	2	34	0	40	0	0	0	0	76	$20,030	$0	$0	$20,030
9	**Preparation of Grant Proposal**													
9.1	Coordination	2	16		5				6	29	$7,385		$0	$7,385
9.2	Grant Application Development and Submittal (assume 1)	2	64		64					130	$34,580		$0	$34,580
	Subtotal Task 9:	4	80	0	69	0	0	0	6	159	$41,965	$0	$0	$41,965
	TOTAL	95	1324	132	2295	104	1244	48	36	5278	$1,234,445	$172,020	$189,222	$1,423,667

Woodard & Curran

Rate Schedule

Municipal Standard 2022

STAFF TYPE	HOURLY RATE
Project Assistant	$120
Billing Manager	$140
Designer 1	$140
Graphic Artist	$140
Graphics Manager	$140
Marketing Assistant	$140
Marketing Manager	$140
Senior Accountant	$140
Senior Project Assistant	$140
Software Engineer 1	$165
Designer 2	$170
Designer 3	$175
Senior Software Developer	$175
Engineer 1	$180
Geologist 1	$180
Planner 1	$180
Scientist 1	$180
Senior Designer	$180
Technical Specialist 1	$180
Software Engineer 2	$185
Software Engineer 3	$200
Engineer 2	$205
Geologist 2	$205
Planner 2	$205
Scientist 2	$205
Technical Specialist 2	$205
Engineer 3	$235
Geologist 3	$235
Planner 3	$235
Scientist 3	$235
Technical Specialist 3	$235
Project Engineer 1	$245
Project Geologist 1	$245
Project Planner 1	$245
Project Scientist 1	$245
Project Specialist 1	$245
Project Technical Specialist 1	$245
Project Engineer 2	$260
Project Geologist 2	$260
Project Planner 2	$260
Project Scientist 2	$260
Project Specialist 2	$260
Project Technical Specialist 2	$260
Project Manager 1	$280
Technical Manager 1	$280
Project Manager 2	$295
Technical Manager 2	$295
Senior Project Manager	$315
Senior Technical Manager	$315
National Practice Leader	$330
Senior Technical Practice Leader	$330

EXPENSES	
Travel	$0.585 / mile
Other Direct Costs	At Cost Plus 10%
Subconsultants/Subcontractors	At Cost Plus 10%

NOTES

Mileage rate will change as the federal allowable rate is modified.

TO: Board of Directors
Agenda Item No. 18

FROM: Jim Beck / Brian Van Lienden

DATE: May 4, 2022

SUBJECT: Direction on Data Management System (DMS) Enhancements

Issue
Review potential, grant-funded Data Management System (DMS) enhancements.

Recommended Motion
Board feedback requested.

Discussion
On April 29, 2022, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) was awarded $7.6 million in grant funding for a three-year period through the California Department of Water Resources (DWR).

One of the grant-funded items is enhancements to the Data Management System (DMS) and Attachment 1 provides discussion of developing potential options for CBGSA Standing Advisory Committee and Board consideration.

Cuyama Basin Groundwater Sustainability Agency

18. Direction on Data Management System Enhancements

Jim Beck / Brian Van Lienden

May 4, 2022

Data Management System Enhancements

- FY 2022-23 Budget for Data Management System (grant funded):
  - Ongoing Maintenance: $5,000 ($15,000 total for 3-year, grant-funded period)
  - Enhancements: $20,000 ($60,000 total for 3-year, grant-funded period)
- Potential enhancement options:
  - **Sustainability dashboard**: automatically produce reports for critical sustainability indicators; logic to compare the current water levels for each well to sustainability criteria; displaying performance of representative monitoring wells against sustainability criteria at each well, both in summary form and on a map
  - **Well meter reporting:** logins for users to report data; monthly, bi-annual, or annual reporting of meter data; well meter owner information and messaging system to facilitate billing
  - **Digitize well information** that was previously provided in PDF or hard copy format for inclusion in the DMS
- Potential Next Steps:
  - Staff will develop specific DMS enhancements options, including costs, for review with an ad hoc and present to the SAC on June 30th for a recommendation and consideration of approval at the July 6th Board meeting

TO: Board of Directors
Agenda Item No. 19

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Direction on Public Workshop Format

Issue
Review of public workshop format.

Recommended Motion
Board feedback requested.

Discussion
The Cuyama Basin Groundwater Sustainability Agency (CBGSA) has attempted to host an informational workshop for landowners for the past two years but has been unable to due to the COVID-19 pandemic.

Since meeting restrictions have begun to lift across the State, staff is looking for feedback on a public workshop to discuss a variety of GSA-related issues.

Draft topics and meeting format options for Board consideration is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

19. Direction on Public Workshop Format

Taylor Blakslee

May 4, 2022

Proposed Community Workshop

- **Purpose:** Update and discussion of GSA activities as they relate to landowners
- **Audience:** Landowners and groundwater users less engaged in GSA activities
- **Draft, Potential Topics:**
  - GSP purpose, approach, and update
  - Basin conditions, monitoring, and modeling
  - Metering and well information collection
  - Management Area and two-year pumping allocation approach
  - Grant funding and pumping fees
  - 5-year update
    - Potential changes to groundwater management
- **Timing:**
  - After GSP update submittal – August or September?
  - On Board/SAC day or on a separate day (weekend, etc.)?
  - What time works best?
  - In-person, with online/call-in option?

Staff is seeking SAC/Board feedback on these items

TO: Board of Directors
Agenda Item No. 20a

FROM: Jim Beck, Executive Director

DATE: May 4, 2022

SUBJECT: Report of the Executive Director

Issue
Report of the Executive Director.

Recommended Motion
None – information only.

Discussion
Progress and next steps for the Hallmark Group are provided as Attachment 1 for February and March 2022. An overview of consultant budget-to-actuals is provided as Attachment 2.

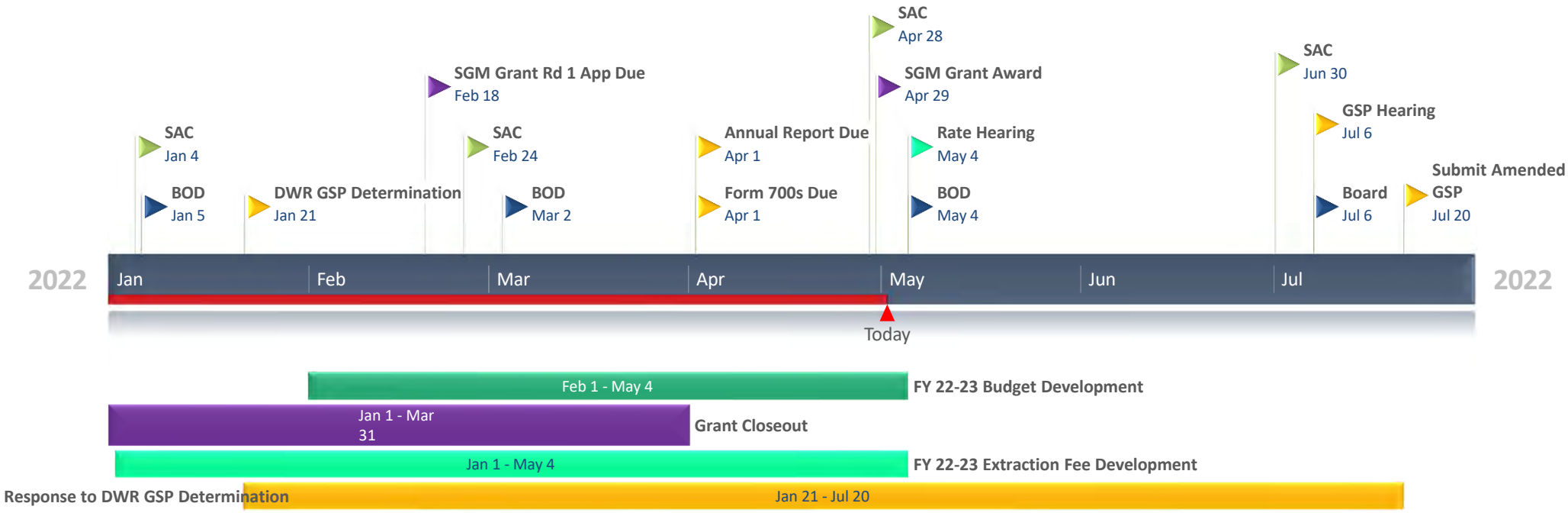
Cuyama Basin Groundwater Sustainability Agency

Progress & Next Steps

May 4, 2022

Cuyama Basin Groundwater Sustainability Agency

Near-Term Schedule



Feb-Mar 2022 Accomplishments & Next Steps

Accomplishments

- ✓ Ongoing administration of the CBGSA
- ✓ Coordinated processed January groundwater level data with Provost & Pritchard
- ✓ Facilitated DWR consultation meeting on February 10, 2022, and coordinated presentation materials for meeting
- ✓ Drafted Management Area policy memo
- ✓ Facilitated Management Area Policy ad hoc on February 18, 2022
- ✓ Facilitated FY 2022-2023 Budget ad hoc meeting on February 24, 2022
- ✓ Facilitated SAC meeting on February 24, 2022
- ✓ Coordinated grant agreement review and edits
- ✓ Reviewed GSP differences with staff
- ✓ Distributed meter requirement notice to all parcel owners and coordinated directly with current pumpers regarding requirement
- ✓ Coordinated with DWR to process Prop 1 grant retention release
- ✓ Responded to landowner calls regarding the meter requirement and GSA-activities
- ✓ Facilitated model refinement tech forum meeting and sent out tasks/to-dos on March 1, 2022
- ✓ Prepared for and facilitated Board meeting on March 2, 2022
- ✓ Facilitated Form 700 reporting
- ✓ Developed water allocation options for ad hoc review
- ✓ Drafted water quality section of amended GSP
- ✓ Drafted GSP amendment schedule
- ✓ Discussed adaptive management with DWR
- ✓ Discussed Governor's Order and reviewed actions of the various counties
- ✓ Developed Fiscal Year 2022-2023 budget estimates
- ✓ Drafted 2021 water use forms
- ✓ Discussed newsletter and outreach planning with the Catalyst Group
- ✓ Distributed 90-day notices to counties and cities for amended GSP
- ✓ Set up second DWR consultation meeting
- ✓ Reviewed final annual report prior to submittal
- ✓ Reviewed and logged meter documentation from landowners

Next Steps

- Continue facilitation of Management Area policies with the ad hoc
- Continue development of adaptive management options with the ad hoc
- Manage meter implementation requirement
- Facilitate Fiscal Year budget review with the ad hoc
- Facilitate second DWR consultation meeting with the ad hoc

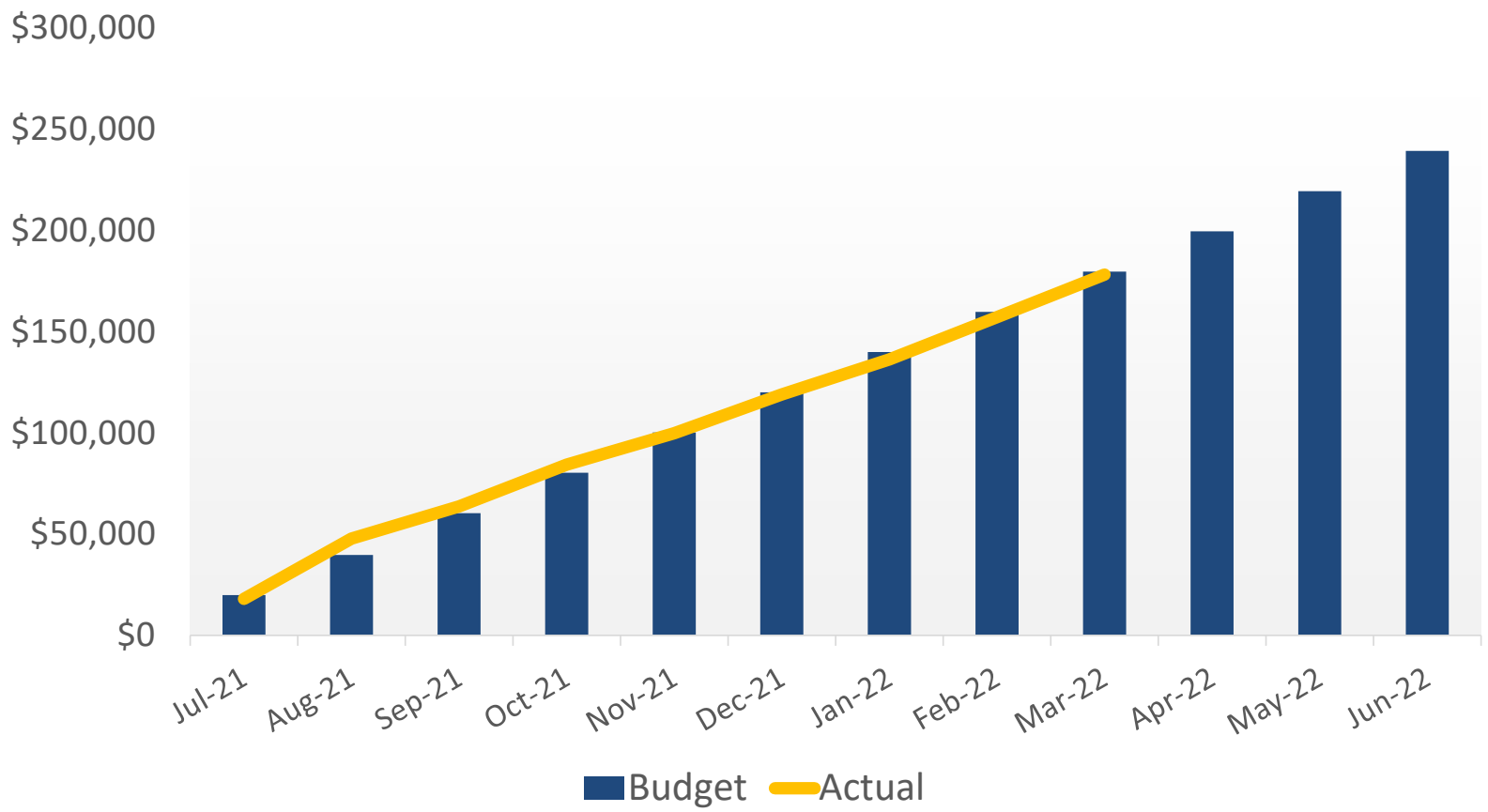
Cuyama Basin Groundwater Sustainability Agency

Financial Report

May 4, 2022

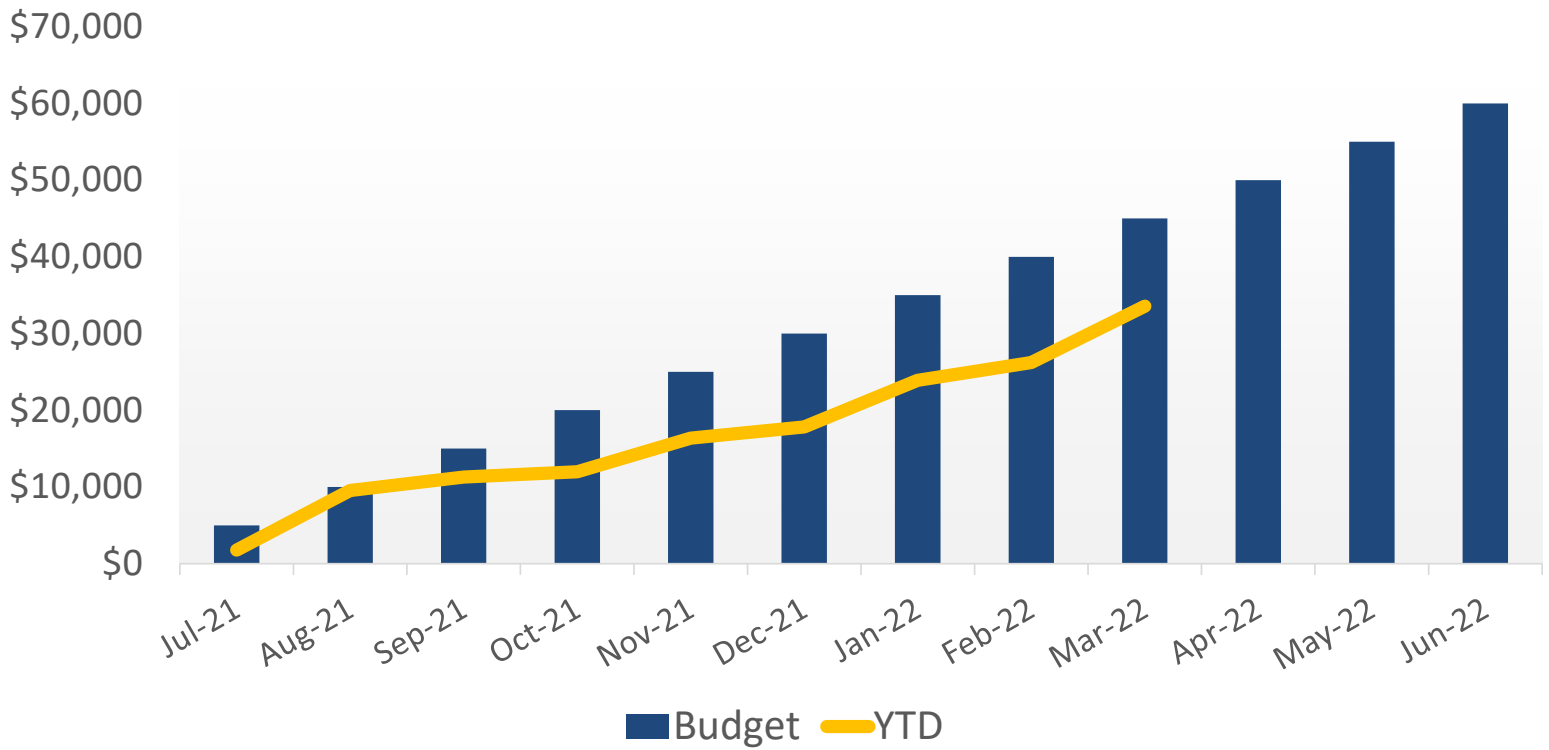
Hallmark Group – Budget-to-Actuals

Task Order No. 7



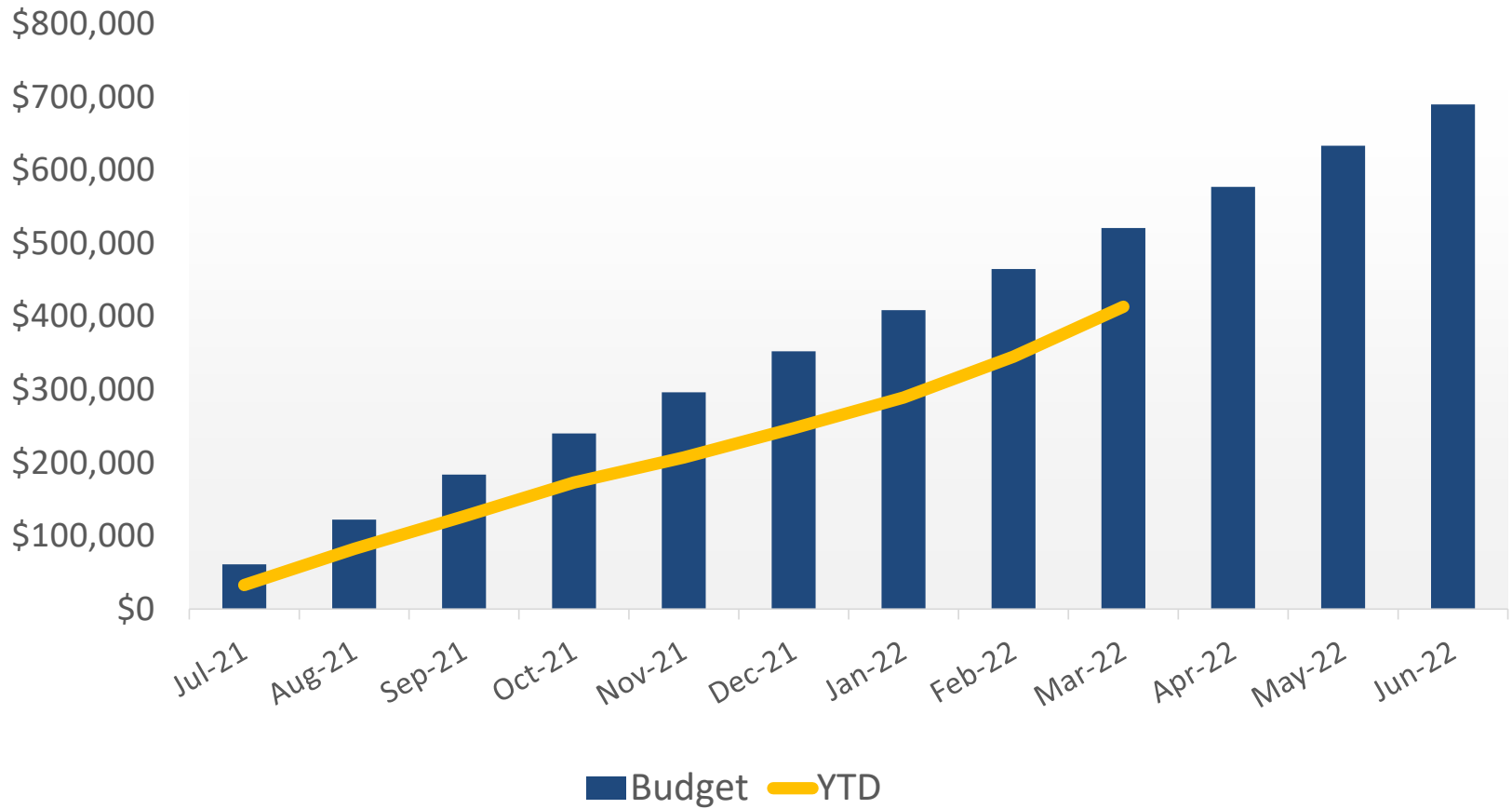
Legal Counsel – Budget-to-Actuals

FY 21-22



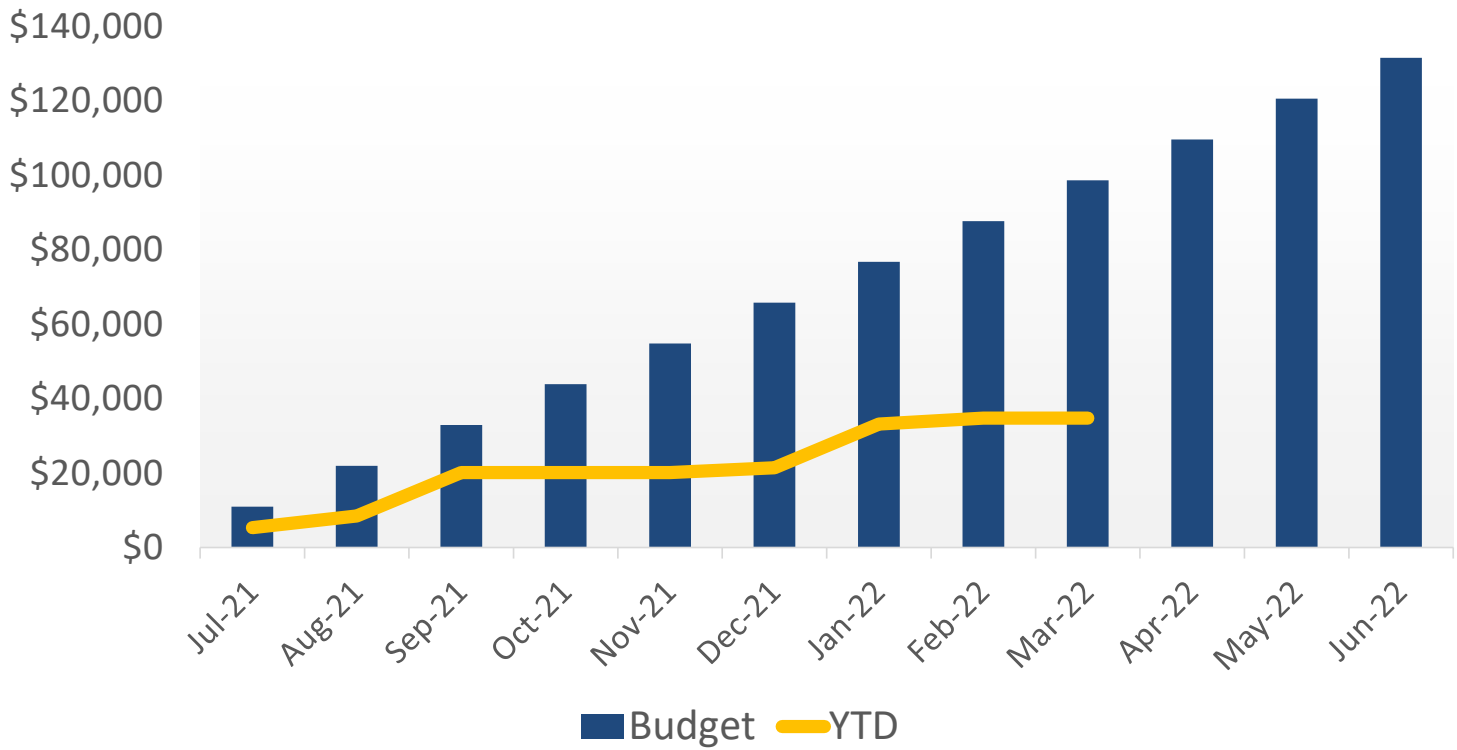
Woodard & Curran – Budget-to-Actuals

Task Order No. 9

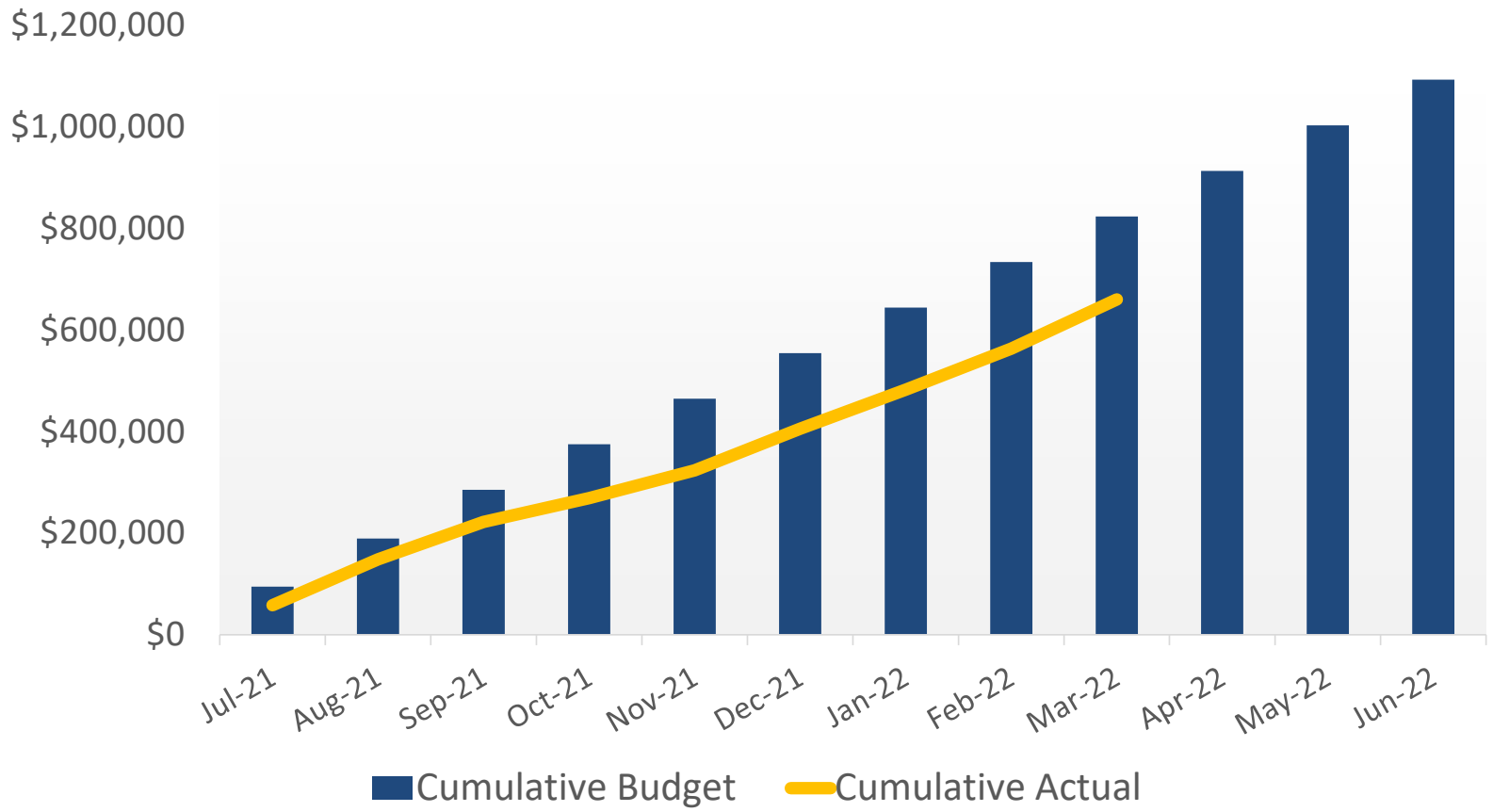


Provost & Pritchard – Budget-to-Actuals

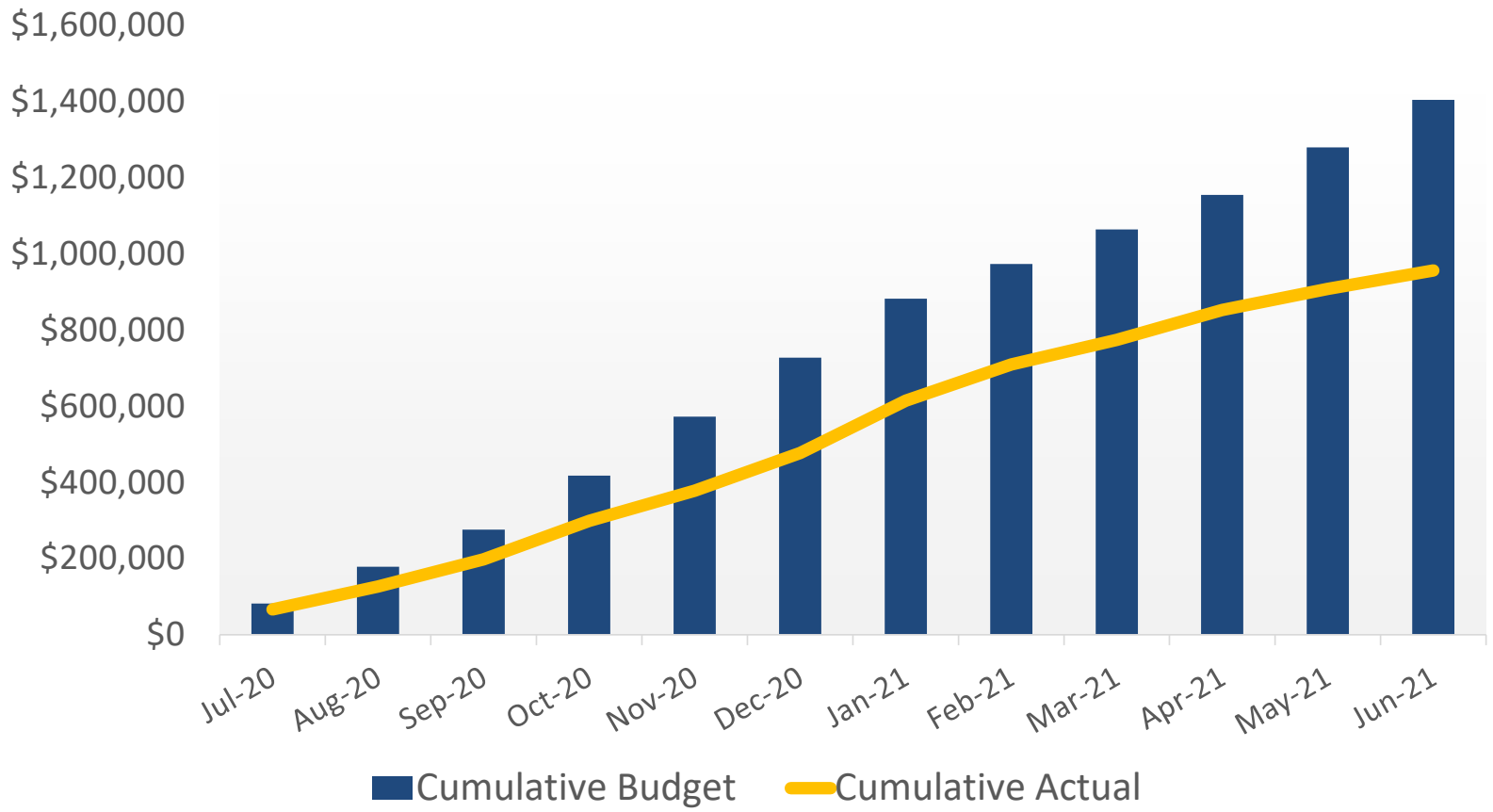
FY 21-22



CBGSA FY 21-22 – Budget-to-Actuals



CBGSA FY 20-21 – Budget-to-Actuals



TO: Board of Directors
Agenda Item No. 20c

FROM: Taylor Blakslee, Hallmark Group

DATE: May 4, 2022

SUBJECT: Update on Development of FY 22-23 Groundwater Extraction Fee

Issue
Update on development of Fiscal Year 22-23 Groundwater Extraction Fee.

Recommended Motion
None – information only.

Discussion
The draft Fiscal Year Groundwater Extraction Fee Report is provided as Attachment 1. The fee report recommends decreasing the groundwater extraction fee for Fiscal Year 2022-2023 from $39 per acre-foot (af) to **$38 per af**.

FY 2022-2023 GROUNDWATER EXTRACTION FEE REPORT

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

TABLE OF CONTENTS

SECTION 1 – ACRONYMS

AF	Acre-feet
CBGSA	Cuyama Basin Groundwater Sustainability Agency
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
SGMA	Sustainable Groundwater Management Act

SECTION 2 – DEFINITIONS

De Minimis User – *Commercial*
Uses 1.5 acre-feet or less in a year per well. De minimis users do not have to pay a fee.

De Minimis User – *Domestic (Non-Commercial)*
Uses 2 acre-feet or less in a year per well. De minimis users do not have to pay a fee.

SECTION 3 – CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY BACKGROUND

The Cuyama Basin Groundwater Sustainability Agency (CBGSA) was formed in 2017 under the Sustainable Groundwater Management Act (SGMA) to develop and implement a Groundwater Sustainability Plan (GSP). The purpose of the GSP is to achieve groundwater sustainability for the Cuyama Basin by 2040. The CBGSA is governed by an 11-member board with representatives from the four counties that intersect the Basin (Kern, Santa Barbara, San Luis Obispo, and Ventura), the Cuyama Community Services District, and the Cuyama Basin Water District.

SECTION 4 – ESTABLISHING A FEE

Water Code section 10730 authorizes Groundwater Sustainability Agencies (GSAs) to establish a groundwater extraction fee to fund, among other things, the costs of a groundwater management program, including administration of a GSP. The CBGSA has set the fee over the Fiscal Year 2022-2023 period and is based on (i) the CBGSA's draft budget and cash flow for Fiscal Year 2022-2023; and (ii) 2021 water consumption.

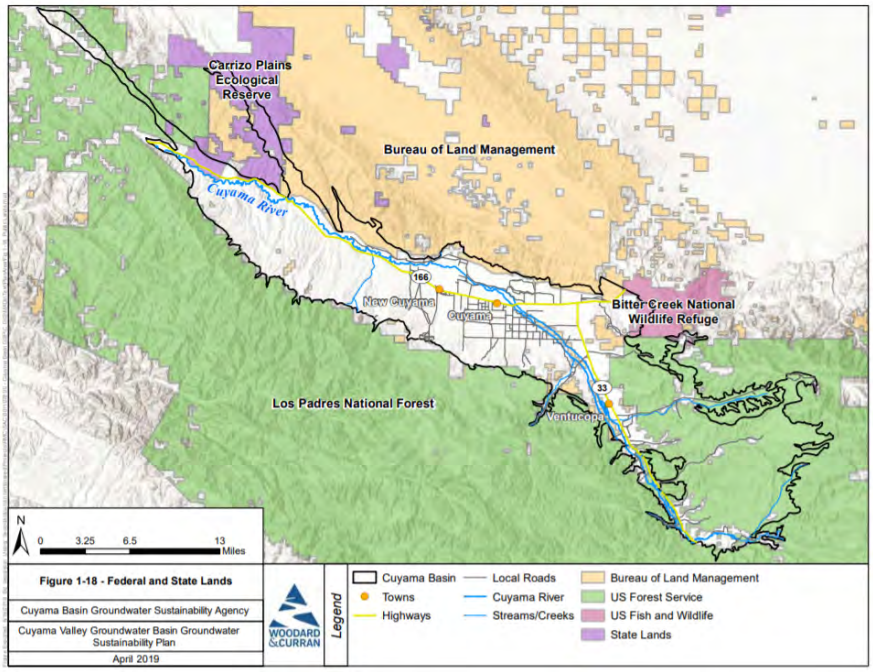
Section 4.1 – Definition of an "Extractor"

An extractor is defined as a pumper of groundwater within the Cuyama Basin groundwater basin boundary as defined by California Department of Water Resources' Bulletin 118 (see Figure 1 below). The below groups are not considered extractors:

Exclusions:

- De miminis user – Wells that use 1.5 acre-feet or less per year for commercial purposes, or wells that use less than 2 acre-feet per year for residential purposes. De minimis users do not have to pay a fee.
- State and federal lands – Non-commercial water use on State and federal lands. Well use on State and federal lands do not have to pay a fee.

FIGURE 1 – GROUNDWATER BASIN IN CUYAMA



Section 4.2 – Fee Basis

The proposed reduction of the groundwater extraction fee is based on the CBGSA's fiscal year budget and cash flow. The budget and cash flow for Fiscal Year 2022-2023 will be presented for consideration of adoption at the May 4, 2022 regular meeting of the CBGSA Board of Directors. The draft budget for Fiscal Year 2022-2023 totals $4.16 million. $4.05 million represents costs reimbursable by the recently awarded California Department of Water Resources Sustainable Groundwater Management Act Implementation Grant and $106,000 represents costs not reimbursable by the grant. The draft budget for Fiscal Year 2022-2023 is attached hereto as Exhibit "A." While the current budget total is subject to change, CBGSA does not anticipate the total budget amount to exceed $4.16 million.

Water consumption was based on user-reported data from 2021 and was based on evapotranspiration crop factors developed by a Cal Poly Irrigation Training & Research Center (ITRC) as shown in Forms I and M included as Exhibit B. The 2021 water consumption estimate totals 28,000 acre-feet and is used as the basis for the reduction of this fee.

Fee Recommendation

Based on (1) the Fiscal Year 2022-2023 budget and cash flow, and (2) user-reported 2021 water use data, the CBGSA recommends a reduction of the basin-wide groundwater extraction fee to $38 per acre-foot.

Section 5 – ADMINISTRATION OF FEE

Section 5.1 – Invoices

Invoices and instructions for payment will be sent to water users in May 2022 and will be based on the 2021 water use previously reported by Cuyama extractors. If payments are not received by the due date of June 30, 2022, a past due notice will be mailed in July 2022 and late penalties will apply (see section 6 below).

Section 5.2 – Schedule/Reporting period

The below schedule outlines the groundwater extraction fee process:

May 4, 2022	Fiscal Year Budget Adopted and Public Hearing to Establish Fee
May 13, 2022	Invoices and Forms are Mailed Out
May-June 2022	Payment Collection Period
June 30, 2022	Payment Due Date
July 1, 2022	Late penalties assessed (10% and then 1% per month)

SECTION 6 – PENALTIES

Well owners will be charged a 10 percent penalty after the June 30, 2022 due date with an escalation rate of 1 percent for each month late after the initial due date.

Exhibit A

FISCAL YEAR 2022-2023 BUDGET AND CASH FLOW

DRAFT CBGSA FY 2022-23 BUDGET

	A	B	C	D	E	F
	Category	**3-Yr Grant Funded**	**Grant Budget**	**2022-23 Budget**	**2023-24 Budget**	**2024-25 Budget**
A	**HALLMARK GROUP**					
1	CBGSA Board of Directors Meetings	Y	$ 870,000	$ 111,397	$ 111,397	$ 111,397
2	Consultant Management and GSP Implementation	Y		$ 73,351	$ 73,351	$ 73,351
3	Financial Information Coordination	Y		$ 51,357	$ 51,357	$ 51,357
4	Cuyama Basin GSA Outreach	Y		$ 10,721	$ 10,721	$ 10,721
5	Annual Groundwater Extraction Fee	Y		$ 5,562	$ 5,562	$ 5,562
6	Support for CBGSA Response to DWR and Public Comments	Y		$ 18,217	$ 18,217	$ 18,217
7	Central Management Area Support	Y		$ 11,768	$ 11,768	$ 11,768
8	Adjudication Discussions	Y		$ 1,935	$ 1,935	$ 1,935
9	Other Direct Charges (Mileage, conference lines, copies)	Y		$ 5,694	$ 5,694	$ 5,694
	Subtotal		**$ 870,000**	$ 290,000	$ 290,000	$ 290,000
B	**LEGAL**					
1	General Legal Counsel	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
	Subtotal		**$ 300,000**	$ 100,000	$ 100,000	$ 100,000
C	**ADMIN**					
1	Audit (FY 21-22)	N		$ 9,800	$ 9,800	$ 9,800
2	Insurance (D&O, General Liability)	N		$ 14,000	$ 14,000	$ 14,000
3	California Association of Mutual Water Co. Membership	N		$ 200	$ 200	$ 200
4	Contingency	N		$ 20,000	$ 20,000	$ 20,000
	Subtotal		**$ -**	$ 44,000	$ 44,000	$ 44,000
D	**WOODARD & CURRAN & TECHNICAL**					
1	Grant Proposals	N	$ -	$ 42,000	$ 42,000	$ 42,000
2	Stakeholder/Board Engagement					
3	SAC meetings	Y	$ 81,000	$ 27,000	$ 27,000	$ 27,000
4	Board meetings	Y	$ 120,000	$ 40,000	$ 40,000	$ 40,000
5	Board Ad-hoc calls	Y	$ 48,000	$ 16,000	$ 16,000	$ 16,000
6	Tech Forum calls (new item)	Y	$ 36,000	$ 10,000	$ 16,000	$ 10,000
7	Public Workshops	Y	$ 65,000	$ 16,000	$ 33,000	$ 16,000
8	Outreach					
9	General, Newsletter Development, etc.	Y	$ 45,000	$ 15,000	$ 15,000	$ 15,000
10	Website Updates - Maintenance / Hosting	Y	$ 20,000	$ 6,667	$ 6,667	$ 6,667
11	Support for DWR Technical Services (TSS)	N	$ -	$ 20,000	$ 20,000	$ 20,000
12	GSP Implementation Support					
13	GSP Implementation Program Management	Y	$ 170,000	$ 55,000	$ 60,000	$ 55,000
14	GW Levels and GWQ Monitoring Network Coordination and Data Mgn	Y	$ 60,000	$ 20,000	$ 20,000	$ 20,000
15	DMS Ongoing Maintenance and Enhancements	Y	$ 75,000	$ 25,000	$ 25,000	$ 25,000
16	Support for CBGSA Response to DWR and Public Comments / Modify	Y	$ 70,000	$ 40,000	$ -	$ -
17	Support for Adaptive Management of Groundwater Levels	Y	$ 180,000	$ 80,000	$ 50,000	$ 50,000
18	Prepare Annual Report for Cuyama Basin	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
19	Meter Implementation - Ongoing Support	Y	$ 30,000	$ 10,000	$ 10,000	$ 10,000
20	Grant Admin (SGM Round 1)	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
21	Perform Monitoring and Monitoring Network Enhancements					
22	Install Piezometers for GW-SW and GDE Monitoring	Y	$ 45,000	$ 45,000	$ -	$ -
23	Driller Cost	Y	$ 165,000	$ 165,000	$ -	$ -
24	Install Dedicated Monitoring Wells	Y	$ 415,000	$ 415,000		$ -
25	Driller Cost	Y	$ 2,000,000	$ 2,000,000		$ -
26	Improve Understanding of Basin Water Use					
27	Perform updated land use survey	Y	$ 30,000	$ 30,000	$ -	$ -
28	Perform river channel survey	Y	$ 45,000	$ 45,000	$ -	$ -
29	Enhance existing CIMIS station & implement new stations	Y	$ 80,000	$ 80,000	$ -	$ -
30	Project & Management Action Implementation					
31	CBWRM model update and re-calibration	Y	$ 200,000	$ -	$ 200,000	$ -
32	Incorporate AEM data into model update	Y	$ 90,000	$ -	$ 90,000	$ -
33	Pumping allocation implementation	Y	$ 200,000	$ 100,000	$ 50,000	$ 50,000
34	Analysis of management action implementation options	Y	$ 240,000	$ 96,000	$ 96,000	$ 48,000
35	Precipitation enhancement feasibility study	Y	$ 30,000	$ 30,000	$ -	$ -
36	Flood and Stormwater Capture - water rights analysis	Y	$ 55,000	$ -	$ 55,000	$ -
37	GSP Implementation, Outreach, and CBGSA Management					
38	Outreach - domestic well owners	Y	$ 15,000	$ 15,000	$ -	$ -
39	5-year GSP update	Y	$ 983,500	$ -	$ 688,450	$ 295,050

	Category	3-Yr Grant Funded	Grant Budget	2022-23 Budget	2023-24 Budget	2024-25 Budget
	Subtotal		**$ 6,028,500**	**$ 3,588,667**	**$ 1,705,117**	**$ 890,717**
E	**OTHER TECHNICAL**					
1	Quarterly GW Levels and Piezometer Monitoring (Contractor TBD)	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
2	Annual WQ Monitoring (Contractor TBD)	Y	$ 96,000	$ 32,000	$ 32,000	$ 32,000
3	Perform One-Time Nitrate and Arsenic Testing	Y	$ 5,500	$ 5,500		
4	Annual Stream Gauge Maintenance (USGS)	Y	$ 165,000	$ 55,000	$ 55,000	$ 55,000
	Subtotal		**$ 401,500**	$ 137,500	$ 132,000	$ 132,000
	Grant Funded			**$ 4,054,167**	$ 2,165,117	$ 1,350,717
	CBGSA Funded (non grant-elegible costs)			**$ 106,000**	$ 106,000	$ 106,000
	TOTAL		$ 7,600,000	**$ 4,160,167**	$ 2,271,117	$ 1,456,717

PROJECTED FISCAL YEAR 2022-2023

Month	Beginning Cash	Hallmark Group	Legal	W&C & Technical	Other Technical Monitoring, etc.	Non Grant Reimb Exp Audit, Insurance, Contigency, Grant Proposal, TSS	Total Expenses	DWR SGM Grant	GW Extraction Fee	Total Revenues	Projected Ending Cash Balance	
		Expenses						Revenues				
Dec 17-Jun 30 Reir	907,128						30,000		1,064,000	1,064,000	1,971,128	
July-22	1,971,128	24,167	8,333	299,056	48,750	8,833	389,139			-	1,581,989	**Draft FY 22-23 Fee**
August-22	1,581,989	24,167	8,333	299,056		8,833	340,389			-	1,241,600	**$ 38**
September-22	1,241,600	24,167	8,333	299,056	55,000	8,833	395,389			-	846,211	
October-22	846,211	24,167	8,333	299,056	11,250	8,833	351,639	27,000		27,000	521,573	
November-22	521,573	24,167	8,333	299,056		8,833	340,389			-	181,184	
December-22	181,184	24,167	8,333	299,056		8,833	340,389			-	(159,205)	
January-23	(159,205)	24,167	8,333	299,056	11,250	8,833	351,639	988,575		988,575	477,731	
February-23	477,731	24,167	8,333	299,056		8,833	340,389			-	137,342	
March-23	137,342	24,167	8,333	299,056		8,833	340,389			-	(203,047)	
April-23	(203,047)	24,167	8,333	299,056	11,250	8,833	351,639	905,325		905,325	350,639	
May-23	350,639	24,167	8,333	299,056		8,833	340,389			-	10,250	
June-23	10,250	24,167	8,333	299,056		8,833	340,389			-	(330,139)	
Total		**290,000**	**100,000**	**3,588,667**	**137,500**	**106,000**	**4,222,167**	**1,920,900**	**1,064,000**	**2,984,900**		

PROJECTED FISCAL YEAR 2023-2024

July-23	(330,139)				8,833	189,260	905,325	140,000	1,045,325	525,927	**Draft FY 23-24 Fee**
August-23	525,927				8,833	189,260			-	336,667	**$ 5**
September-23	336,667				8,833	189,260			-	147,407	
October-23	147,407				8,833	189,260	905,325		905,325	863,473	
November-23	863,473				8,833	189,260			-	674,213	
December-23	674,213				8,833	189,260			-	484,953	
January-24	484,953				8,833	189,260	487,151		487,151	782,845	
February-24	782,845				8,833	189,260			-	593,585	
March-24	593,585				8,833	189,260			-	404,325	
April-24	404,325				8,833	189,260	487,151		487,151	702,217	
May-24	702,217				8,833	189,260			-	512,957	
June-24	512,957				8,833	189,260			-	323,697	
					106,000	2,271,117					

PROJECTED FISCAL YEAR 2024-2025								
July-24	323,697		10,600	145,672	487,151	140,000	627,151	805,177
August-24	805,177		10,600	145,672			-	659,505
September-24	659,505		10,600	145,672			-	513,834
October-24	513,834		10,600	145,672	487,151		487,151	855,313
November-24	855,313		10,600	145,672			-	709,641
December-24	709,641		10,600	145,672			-	563,970
January-25	563,970		10,600	145,672	364,694		364,694	782,992
February-25	782,992		10,600	145,672			-	637,320
March-25	637,320		10,600	145,672			-	491,648
April-25	491,648		10,600	145,672	364,694		364,694	710,670
May-25	710,670		8,833	95,833			-	614,837
June-25	614,837		8,833	95,833	1,246,258		1,246,258	1,765,261
			123,667	1,648,383				

PROJECTED FISCAL YEAR 2025-2026								
July-25	1,765,261			95,833		140,000	140,000	1,809,428
August-25	1,809,428			95,833			-	1,713,595
September-25	1,713,595			95,833			-	1,617,761
October-25	1,617,761			95,833			-	1,521,928
November-25	1,521,928			95,833			-	1,426,095
December-25	1,426,095			95,833			-	1,330,261
January-26	1,330,261			95,833			-	1,234,428
February-26	1,234,428			95,833			-	1,138,595
March-26	1,138,595			95,833			-	1,042,761
April-26	1,042,761			95,833			-	946,928
May-26	946,928			95,833			-	851,095
June-26	851,095			95,833			-	755,261
				1,150,000				

Draft FY 24-25 Fee

$ **5**

Draft FY 25-26 Fee

$ **5**

Exhibit B
CROP FACTORS

Form I

IRRIGATOR

WATER USE ESTIMATE WORKSHEET – 2021

Cuyama Basin Groundwater Sustainability Agency

Name _____

Billing Address _____

Phone / Email _____

Instructions:

1. For 2021, input crop name(s)[1] in column A, the parcels those acres are farmed on in column B, the irrigated acres in column C, and the corresponding crop factors from the attached Exhibit C-1 in column D.
2. Multiply acres (column C) by the crop factor (column D) and input result in column E.
3. Total the acre-feet from column E in row 2.

	A	B	C		D		E
	Crop Name	Assessor Parcel Number(s) (APN)[2]	Acres		Crop Factor		Water Use (acre-feet)
1				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
2	Total Acre-feet (sum column E)						

[1]If you have metered water use that is less than the crop factors, you can report metered water use.

[2]Cropping location information may be provided separately from this form. Please contact Taylor Blakslee at 661-477-3385, or tblakslee@hgcpm.com for any questions.

Exhibit I-1 – Crop Factors

Source Information

Crop Factors are evapotranspiration (ET) values from California Polytechnic State University's Irrigation Training and Research Center (ITRC) California Crop and Soil Evapotranspiration Report (Crop Report), ITRC Report No. R 03-001 accessible at www.itrc.org/reports/pdf/californiacrop.pdf.

The below values were calculated using ET reference averages for zone 10 from the Crop Report (see below figure).

Avg Annual Reference ET by Zone (inches/yr)

Zone	Total
1	33.0"
2	39.0"
3	46.3"
4	45.5"
5	43.9"
6	49.7"
7	43.4"
8	49.4"
9	55.1"
10	**49.1"**
11	53.0"
12	53.3"
13	54.3"
14	57.0"
15	57.0"
16	62.5"
17	66.5"
18	71.3"

Crop Factors

Crop	ET	Crop	ET
Alfalfa Hay	4.02	Melon, Radish, Squash, & Cucumbers	1.62
Alfalfa Seed, Sudan	3.60	Olives, Mature	3.27
Almonds	3.32	Olives, Deficit	2.58
Apples[1] (Drip)	2.50	Onions and Garlic	1.99
Apples, Pear, Cherry, Plum, and Prune	3.33	Permanent Pasture	3.93
Barley Wheat, Oats	1.97	Pistachios	2.99
Blackeyed Peas	1.97	Potatoes	3.00
Carrots	2.20	Rootstock	2.23
Corn	2.43	Sorghum Grain	2.43
Cotton	2.70	Sugar Beets	2.70
Citrus	3.45	Tomatoes	2.20
Grapes with 40% cover crop	1.56	Walnuts	3.53
Grapes with 60% cover crop	2.02	Cannabis[2]	TBD
Grapes with 100% cover crop	2.24	Hemp[3]	TBD
Lettuce	2.20		

[1]Value determined by local expertise in the Cuyama Valley.
[2]Value based on ____.
[3]Value based on ____.

Form M
MUNICIPAL & INDUSTRIAL
WATER USE ESTIMATE WORKSHEET – 2021
Cuyama Basin Groundwater Sustainability Agency

Name _____

Billing Address _____

Phone / Email _____

Instructions:

1. Calculate water use by inputting units used for municipal & industrial water use in column B (see Exhibit M-1 below to calculate units) for the appropriate corresponding water use categories found in column A.
    a. Multiply units used (column B) by the water consumption factor in column C and input result in column D.
    b. Total the gallons from column D and convert to acre-feet on row 13.

	A	B		C		D
	Type of Use	Units Used		Water Consumption Factor (Gal)		Water Use (Gal)
1	Chicken Ranches		X	3,532	=	
2	Livestock Drinking Water No. of cows, bulls and horses No. of stockers No. of sheep and goats		X	5,520 2,760 1,100	=	
3	Hotels No. of rooms		X	46,000	=	
4	Office Buildings; including Churches No. of offices		X	38,600	=	
5	Restaurants Seating capacity		X	11,400	=	
6	Service Stations No. of stations		X	350,000	=	
7	Stores Sq ft of building		X	50	=	
8	Trailer Court Avg no. of people		X	36,800	=	
9	Elementary Schools No. of students x No. of school days		X	80	=	
10	Junior & Senior High Schools, Colleges and Churches No. of students x No. of school days		X	160	=	
11	Watered Land; non-ag No. of acres		X	5	=	
12	Total Gallons (sum column D and/or E)					
13	Convert to Acre-feet (Row 12/325,850)					

Exhibit M-1 – Unit(s) Calculations

Unit Calculation

	Type of Use	Units Used
1	Chicken Ranches	Avg number of units of 100 chickens on hand for the reporting period.
2	Livestock Drinking Water	Average number of livestock on hand for the reporting period (drinking water only). Amounts derived from NDSU Extension Service report from July 2015 entitled "Livestock Water Requirements."
3	Hotels	Total number of rooms.
4	Office Buildings; including Churches	Total number of offices in building, or offices served.
5	Restaurants	Total number of seats including seats at the counter, chairs, stools, benches and patio seating.
6	Service Stations	Number of stations served.
7	Stores	Square feet of any store, supermarket or shop. Calculation includes employee, customer and maintenance water use.
8	Trailer Court	Average number of people in the trailer court.
9	Elementary Schools	Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11.
10	Junior & Senior High Schools and Churches	Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11. For churches, figure total hours and divide by 8 to determine number of "school days."
11	Watered Land; non-ag	All lands, ornamental plants, shrubs, etc., watered but not qualifying for agricultural rate.

TO: Board of Directors
Agenda Item No. 21a

FROM: Brian Van Lienden, Woodard & Curran

DATE: May 4, 2022

SUBJECT: Update on Groundwater Sustainability Plan Activities

Issue
Update on Groundwater Sustainability Plan Activities.

Recommended Motion
None – information only.

Discussion
Cuyama Basin Groundwater Sustainability Agency (CBGSA) Groundwater Sustainability Plan (GSP) activities and consultant Woodard & Curran's (W&C) accomplishments are provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

21a. Update on Groundwater Sustainability Plan Activities

Brian Van Lienden

May 4, 2022

March-April Accomplishments

- ✓ Developed final Annual Report for Water Year 2020-2021 and submitted to DWR
- ✓ Performed follow-on analysis of wells in support of adaptive management program
- ✓ Developed revised Tech Memo in response to DWR Basin GSP determination
- ✓ Worked with DWR to develop draft agreement for DWR COD grant opportunity
- ✓ Began work on Cuyama Basin model update
- ✓ Performed aquifer testing at one location

Cuyama Basin DWR Grant Schedule of Tasks 201

(not including 3-year ongoing tasks)

TO: Board of Directors
Agenda Item No. 21b

FROM: Brian Van Lienden, Woodard & Curran

DATE: May 4, 2022

SUBJECT: Update on Model Refinement

Issue
Update on model refinement.

Recommended Motion
None – information only.

Discussion
On May 5, 2021, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board approved a model update as part of the Fiscal Year 2021-2022 budget adoption which is expected to be completed by July 2022.

An update on the model refinement is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

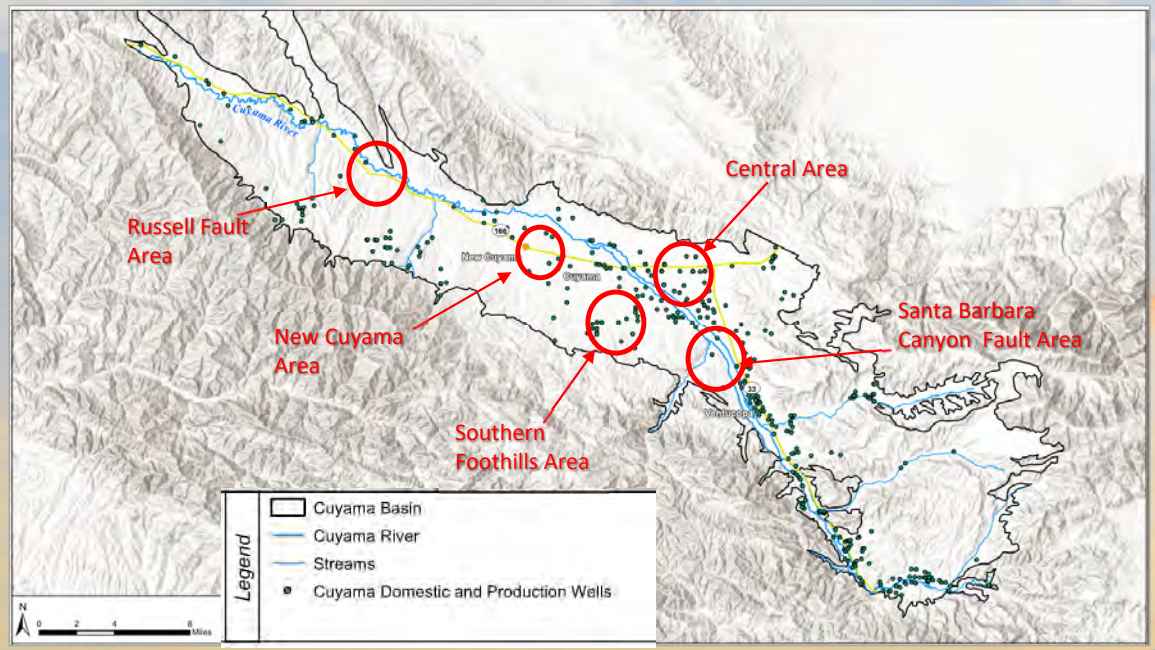
21b. Update on Model Refinement

Brian Van Lienden

May 4, 2022

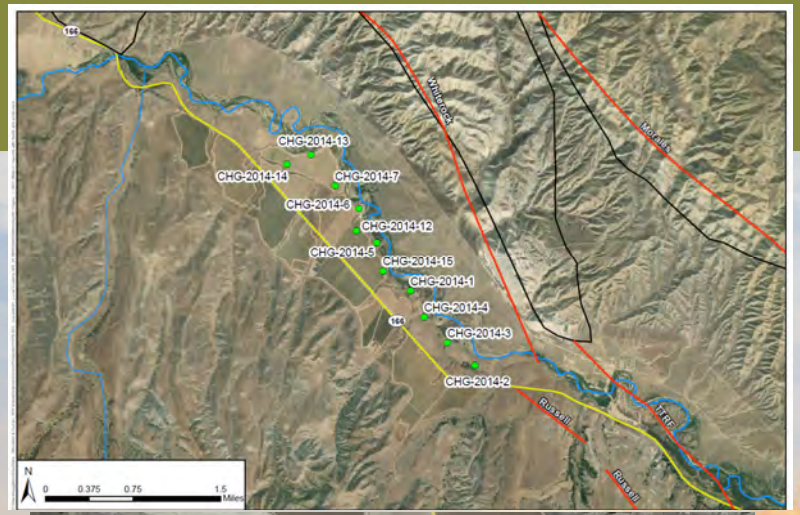
Current Status of Aquifer Testing Program

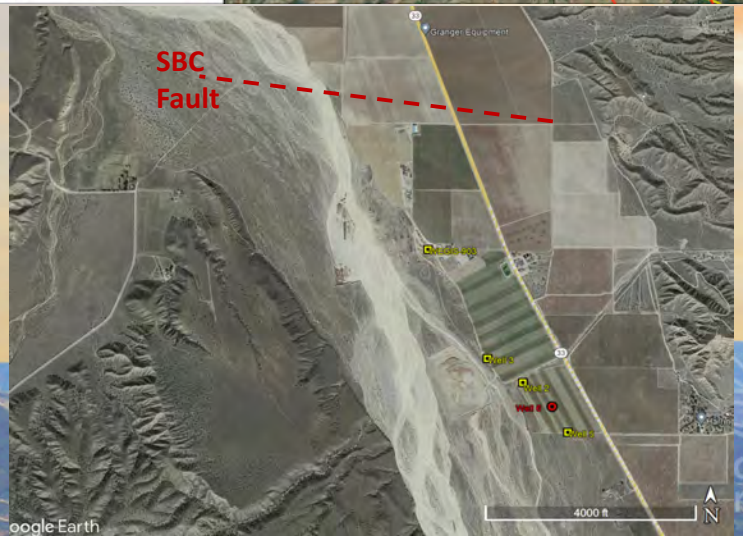
Status	Location	Update
	Russell Fault	• Analyzed data from previous tests (11 wells) • Analysis complete
	Santa Barbara Fault	• Aquifer testing complete (72 hour) • Analysis in progress
	New Cuyama Area	• Use results of previous (2019) CCSD aquifer testing
	Southern Foothills	• Could not identify appropriate wells for testing
	Central Area	• Pre-irrigating • Landowners unable to accommodate testing



Key Takeaways, Russell and SBC Fault Area Aquifer Testing

- Russell Fault Area
  - Resulting hydraulic conductivities are similar but slightly less than currently implemented in the groundwater model
  - Results are generally consistent the data represented in the groundwater model
- SBC Fault
  - Preliminary findings suggest that the hydraulic conductivity of the younger alluvium, where tested, is substantially larger than currently implemented in the model
  - The results will influence model recalibration in this area of the Basin, with potentially a reduction in predicted groundwater level declines in this area of the model





Model Refinement Tasks

- Update model data to incorporate additional data and to extend to 2021
- Perform model-recalibration
- Develop updated historical and projected water budget estimates
- Evaluation of range of uncertainty of re-calibrated model
- Update Crop evapotranspiration estimates

Model Refinement Outreach and Engagement Schedule

- Technical Forum – 4 meetings
  - **March 1**: Kick-off call to discuss work plan and task sequence and the updated input data; any additional data that may be needed
  - **Mid-late Apr**: Discuss calibration targets (i.e., locations, trends, and periods of greatest water-level residual error) and parameters to be adjusted to reduce residual error
  - **May**: Discuss changes in parameters made by W&C during recalibration and preliminary final model results
  - **Jun**: Discuss final model and any observations or qualifiers to be noted
- Sac & Board Meetings:
  - March, May: progress reports
  - July: present final updated modeling results

TO: Board of Directors
Agenda Item No. 21c

FROM: Brian Van Lienden, Woodard & Curran

DATE: May 4, 2022

SUBJECT: Update on Monitoring Network Implementation

Issue
Update on Monitoring Network Implementation.

Recommended Motion
None – information only.

Discussion
An update regarding the monitoring network implementation is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

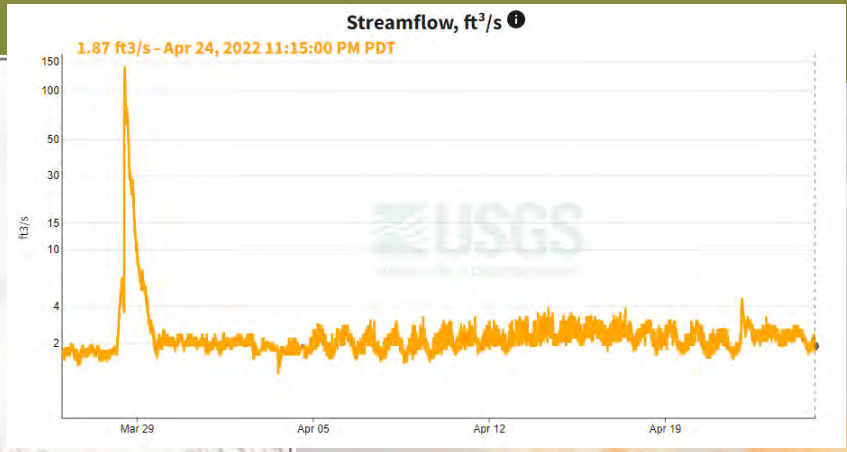
21c. Update on Monitoring Network Implementation

Brian Van Lienden

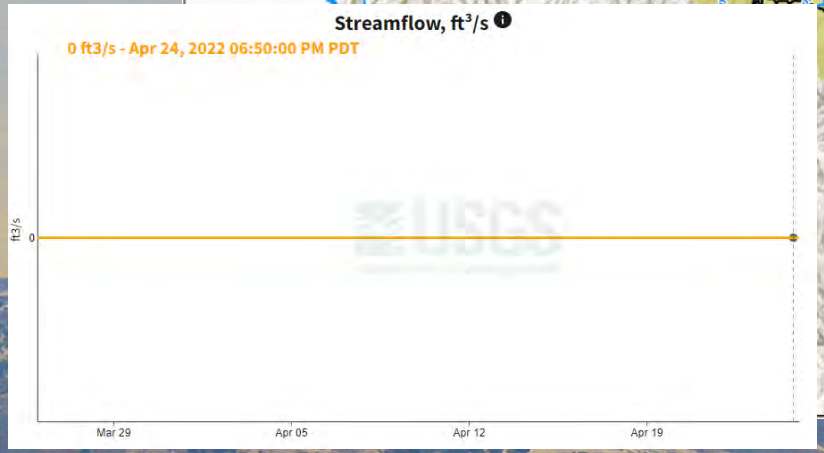
May 4, 2022

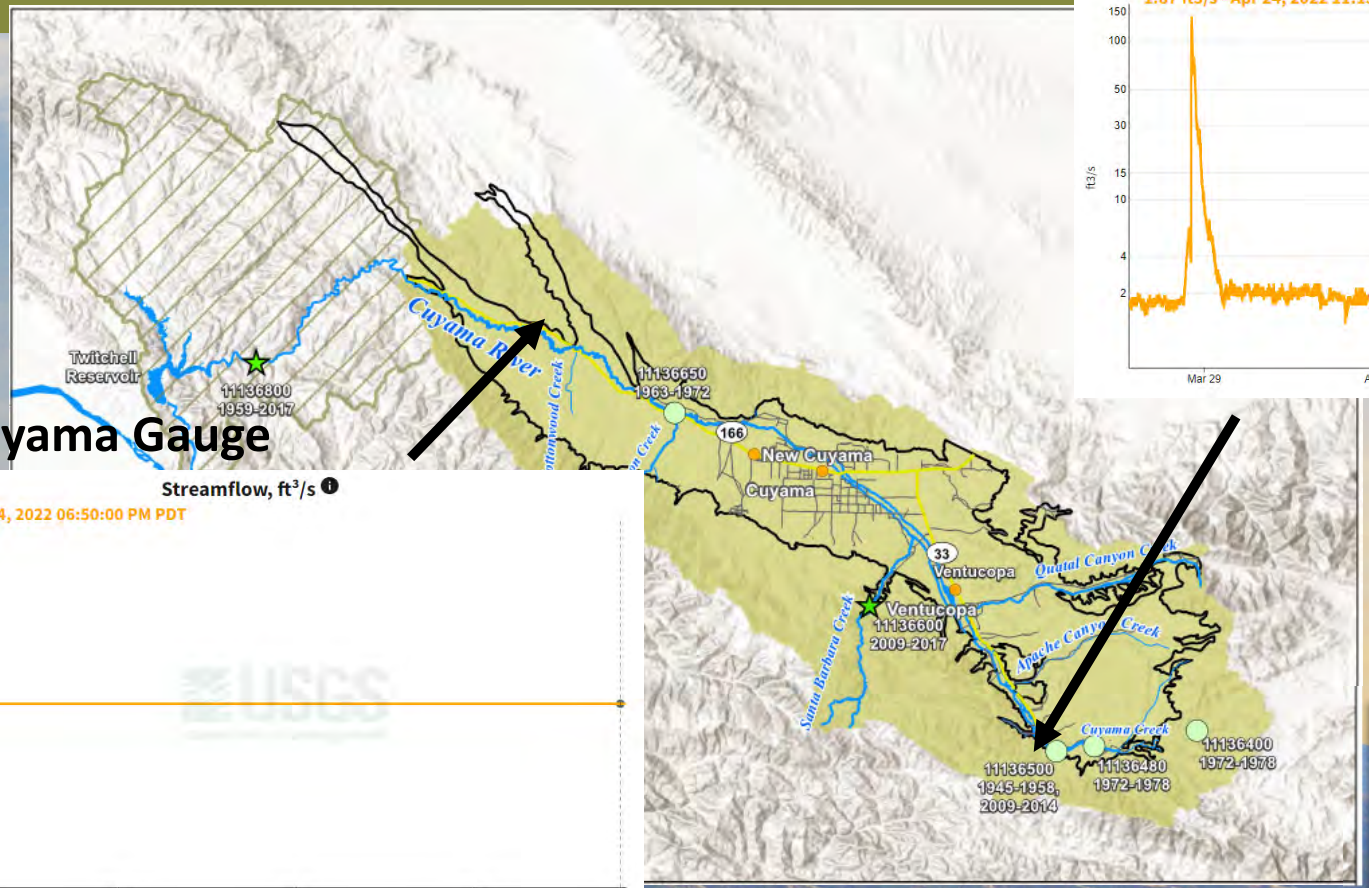
Stream Gauge Data

Ventucopa Gauge



New Cuyama Gauge





USGS DATA

Spanish Ranch Location
https://waterdata.usgs.gov/ca/nwis/uv?site_no=11136710
Ventucopa Location
https://waterdata.usgs.gov/ca/nwis/uv?site_no=11136500

Schedule for Cuyama Basin Monitoring in 2022

- Quarterly groundwater levels monitoring:
  - January, April, July, November
- Water quality testing:
  - Per the GSP, perform a single EC measurement in July
  - As discussed in response letter to DWR, the CBGSA would perform a single measurement and lab testing for nitrates, arsenic and TDS
    - Staff proposed performing this sampling and testing during July

Update on DWR TSS Program

- DWR installed three new multi-completion monitoring wells in the Cuyama Basin in 2021
  - Staff is currently working with DWR to install transducers in these wells

TO: Board of Directors
Agenda Item No. 21d

FROM: Brian Van Lienden, Woodard & Curran

DATE: May 4, 2022

SUBJECT: Update on Quarterly Groundwater Conditions Report for April 2022

Issue
Update on Quarterly Groundwater Conditions Report for April 2022.

Recommended Motion
None – information only.

Discussion
An update on the groundwater levels representative monitoring network and select hydrographs is provided as Attachment 1 and the detailed April 2022 Groundwater Conditions Report is provided as Attachment 2.

Attachments will be provided in the presentation at the Board meeting once received from Provost & Pritchard.

TO: Board of Directors
Agenda Item No. 27

FROM: Jim Beck / Joe Hughes

DATE: May 4, 2022

SUBJECT: Proposed Decrease of Existing Groundwater Extraction Fee

Issue

The Board of Directors will consider whether to decrease the existing groundwater extraction fee.

Recommended Motion

Adopt Resolution No. 2022-051 decreasing the existing groundwater extraction fee of $39 per acre-foot to $38 per acre-foot.

Discussion

The purpose of this agenda item is to propose a $1 decrease to the existing $39 per acre-foot groundwater extraction fee as outlined in Resolution No. 2022-051 provided as Attachment 1.

After reviewing the proposed budget for Fiscal Year 2022-2023 and user-reported water use date from 2021, CBGSA staff has determined that a decrease of $1 is sufficient to fund future administrative costs. This would decrease the existing groundwater extraction fee from $39 per acre-foot to $38 per acre-foot.

RESOLUTION NO. 2022-051

A RESOLUTION OF THE BOARD OF DIRECTORS OF CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY REDUCING ITS GROUNDWATER EXTRACTION FEE AGAINST ALL PERSONS OPERATING GROUNDWATER EXTRACTION FACILITIES WITHIN THE CUYAMA BASIN

WHEREAS, pursuant to the Sustainable Groundwater Management Act (SGMA), Groundwater Sustainability Agencies (GSA) are authorized to collect regulatory fees (Wat. Code, § 10730); and

WHEREAS, SGMA authorizes a GSA to impose fees and increase those fees to fund the cost of a groundwater sustainability program, including the preparation, adoption and amendment of a groundwater sustainability plan (GSP), and investigations, compliance assistance, enforcement, and program administration, including a prudent reserve; and

WHEREAS, the types of fees that can be imposed include fees on groundwater extraction; and

WHEREAS, on November 6, 2019, pursuant to Water Code section 10730, the Board of Directors (Board) of the Cuyama Basin Groundwater Sustainability Agency (Agency) authorized the imposition of a $19 per acre foot groundwater extraction fee; and

WHEREAS, on August 13, 2020, pursuant to Water Code section 10730, the Board authorized the increase of the existing $19 per acre foot groundwater extraction fee to $44 per acre foot; and

WHEREAS, on May 3, 2021, the Board authorized the reduction of the existing $44 per acre foot groundwater extraction fee to $39 per acre foot; and

WHEREAS, after a review of the financial standing of the Agency, the Board has again determined that the existing foot groundwater extraction fee may be reduced; and

WHEREAS, the Agency gave notice concerning this proposed reduction as follows:

1. By posting on the Agency's website at www.cuyamabasin.org.

2. By mailing all landowners within the Agency's boundaries notice of the public fee hearing.

3. By posting the data upon which the reduced fee is based on the Agency's website.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Cuyama Basin Groundwater Sustainability Agency that the existing $39 per acre foot groundwater extraction fee shall be reduced as follows:

1. The existing $39 per acre foot groundwater extraction fee shall be reduced to $38 per acre foot and such reduced fee shall be levied on all groundwater extracted from within the Agency boundary. Commercial water users using 1.5 acre feet or less in a year per well and domestic water users using 2.0 acre feet or less in a year per well are deemed to be de minimis users and exempt from this fee.

2. The 2022-2023 Groundwater Extraction Fee Report (Report) on which this reduction is based is attached as **Exhibit A** and incorporated herein by reference. The Report is approved and adopted, and Agency staff is directed to comply with its provisions.

3. The Board makes the following findings, based upon the testimony and evidence (including exhibits) presented at the public hearing on the fee reduction:

(a) Revenues derived from the groundwater extraction fee will not exceed the costs of Agency's groundwater sustainability program.

(b) Revenues derived from the groundwater extraction fee shall not be used for any purpose other than that for which the groundwater extraction fee is imposed.

PASSED, APPROVED, AND ADOPTED this 4th day of May 2022.

_____
Derek Yurosek, Board Chair

ATTEST:

_____
James M. Beck
Executive Director

FY 2022-2023 GROUNDWATER EXTRACTION FEE REPORT

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

TABLE OF CONTENTS

SECTION 1 – ACRONYMS

AF	Acre-feet
CBGSA	Cuyama Basin Groundwater Sustainability Agency
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
SGMA	Sustainable Groundwater Management Act

SECTION 2 – DEFINITIONS

De Minimis User – *Commercial*
Uses 1.5 acre-feet or less in a year per well. De minimis users do not have to pay a fee.

De Minimis User – *Domestic (Non-Commercial)*
Uses 2 acre-feet or less in a year per well. De minimis users do not have to pay a fee.

SECTION 3 – CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY BACKGROUND

The Cuyama Basin Groundwater Sustainability Agency (CBGSA) was formed in 2017 under the Sustainable Groundwater Management Act (SGMA) to develop and implement a Groundwater Sustainability Plan (GSP). The purpose of the GSP is to achieve groundwater sustainability for the Cuyama Basin by 2040. The CBGSA is governed by an 11-member board with representatives from the four counties that intersect the Basin (Kern, Santa Barbara, San Luis Obispo, and Ventura), the Cuyama Community Services District, and the Cuyama Basin Water District.

SECTION 4 – ESTABLISHING A FEE

Water Code section 10730 authorizes Groundwater Sustainability Agencies (GSAs) to establish a groundwater extraction fee to fund, among other things, the costs of a groundwater management program, including administration of a GSP. The CBGSA has set the fee over the Fiscal Year 2022-2023 period and is based on (i) the CBGSA's draft budget and cash flow for Fiscal Year 2022-2023; and (ii) 2021 water consumption.

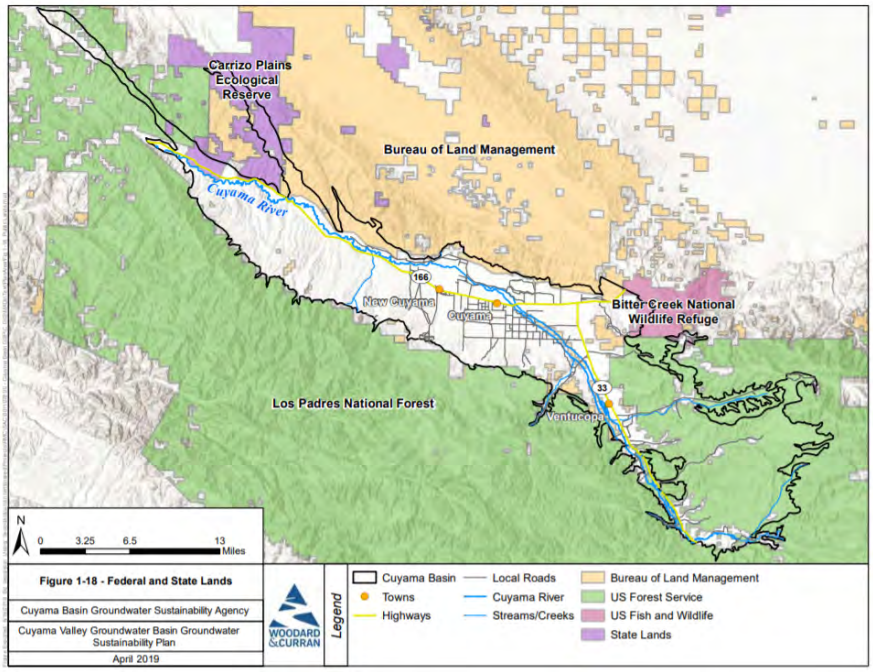
Section 4.1 – Definition of an "Extractor"

An extractor is defined as a pumper of groundwater within the Cuyama Basin groundwater basin boundary as defined by California Department of Water Resources' Bulletin 118 (see Figure 1 below). The below groups are not considered extractors:

Exclusions:

- De miminis user – Wells that use 1.5 acre-feet or less per year for commercial purposes, or wells that use less than 2 acre-feet per year for residential purposes. De minimis users do not have to pay a fee.
- State and federal lands – Non-commercial water use on State and federal lands. Well use on State and federal lands do not have to pay a fee.

FIGURE 1 – GROUNDWATER BASIN IN CUYAMA



Section 4.2 – Fee Basis

The proposed reduction of the groundwater extraction fee is based on the CBGSA's fiscal year budget and cash flow. The budget and cash flow for Fiscal Year 2022-2023 will be presented for consideration of adoption at the May 4, 2022 regular meeting of the CBGSA Board of Directors. The draft budget for Fiscal Year 2022-2023 totals $4.16 million. $4.05 million represents costs reimbursable by the recently awarded California Department of Water Resources Sustainable Groundwater Management Act Implementation Grant and $106,000 represents costs not reimbursable by the grant. The draft budget for Fiscal Year 2022-2023 is attached hereto as Exhibit "A." While the current budget total is subject to change, CBGSA does not anticipate the total budget amount to exceed $4.16 million.

Water consumption was based on user-reported data from 2021 and was based on evapotranspiration crop factors developed by a Cal Poly Irrigation Training & Research Center (ITRC) as shown in Forms I and M included as Exhibit B. The 2021 water consumption estimate totals 28,000 acre-feet and is used as the basis for the reduction of this fee.

Fee Recommendation

Based on (1) the Fiscal Year 2022-2023 budget and cash flow, and (2) user-reported 2021 water use data, the CBGSA recommends a reduction of the basin-wide groundwater extraction fee to $38 per acre-foot.

Section 5 – ADMINISTRATION OF FEE

Section 5.1 – Invoices

Invoices and instructions for payment will be sent to water users in May 2022 and will be based on the 2021 water use previously reported by Cuyama extractors. If payments are not received by the due date of June 30, 2022, a past due notice will be mailed in July 2022 and late penalties will apply (see section 6 below).

Section 5.2 – Schedule/Reporting period

The below schedule outlines the groundwater extraction fee process:

May 4, 2022	Fiscal Year Budget Adopted and Public Hearing to Establish Fee
May 13, 2022	Invoices and Forms are Mailed Out
May-June 2022	Payment Collection Period
June 30, 2022	Payment Due Date
July 1, 2022	Late penalties assessed (10% and then 1% per month)

SECTION 6 – PENALTIES

Well owners will be charged a 10 percent penalty after the June 30, 2022 due date with an escalation rate of 1 percent for each month late after the initial due date.

Exhibit A

FISCAL YEAR 2022-2023 BUDGET AND CASH FLOW

DRAFT CBGSA FY 2022-23 BUDGET

	A	B	C	D	E	F
	Category	**3-Yr Grant Funded**	**Grant Budget**	**2022-23 Budget**	**2023-24 Budget**	**2024-25 Budget**
A	**HALLMARK GROUP**					
1	CBGSA Board of Directors Meetings	Y	$ 870,000	$ 111,397	$ 111,397	$ 111,397
2	Consultant Management and GSP Implementation	Y		$ 73,351	$ 73,351	$ 73,351
3	Financial Information Coordination	Y		$ 51,357	$ 51,357	$ 51,357
4	Cuyama Basin GSA Outreach	Y		$ 10,721	$ 10,721	$ 10,721
5	Annual Groundwater Extraction Fee	Y		$ 5,562	$ 5,562	$ 5,562
6	Support for CBGSA Response to DWR and Public Comments	Y		$ 18,217	$ 18,217	$ 18,217
7	Central Management Area Support	Y		$ 11,768	$ 11,768	$ 11,768
8	Adjudication Discussions	Y		$ 1,935	$ 1,935	$ 1,935
9	Other Direct Charges (Mileage, conference lines, copies)	Y		$ 5,694	$ 5,694	$ 5,694
	Subtotal		**$ 870,000**	$ 290,000	$ 290,000	$ 290,000
B	**LEGAL**					
1	General Legal Counsel	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
	Subtotal		**$ 300,000**	$ 100,000	$ 100,000	$ 100,000
C	**ADMIN**					
1	Audit (FY 21-22)	N		$ 9,800	$ 9,800	$ 9,800
2	Insurance (D&O, General Liability)	N		$ 14,000	$ 14,000	$ 14,000
3	California Association of Mutual Water Co. Membership	N		$ 200	$ 200	$ 200
4	Contingency	N		$ 20,000	$ 20,000	$ 20,000
	Subtotal		**$ -**	$ 44,000	$ 44,000	$ 44,000
D	**WOODARD & CURRAN & TECHNICAL**					
1	Grant Proposals	N	$ -	$ 42,000	$ 42,000	$ 42,000
2	Stakeholder/Board Engagement					
3	SAC meetings	Y	$ 81,000	$ 27,000	$ 27,000	$ 27,000
4	Board meetings	Y	$ 120,000	$ 40,000	$ 40,000	$ 40,000
5	Board Ad-hoc calls	Y	$ 48,000	$ 16,000	$ 16,000	$ 16,000
6	Tech Forum calls (new item)	Y	$ 36,000	$ 10,000	$ 16,000	$ 10,000
7	Public Workshops	Y	$ 65,000	$ 16,000	$ 33,000	$ 16,000
8	Outreach					
9	General, Newsletter Development, etc.	Y	$ 45,000	$ 15,000	$ 15,000	$ 15,000
10	Website Updates - Maintenance / Hosting	Y	$ 20,000	$ 6,667	$ 6,667	$ 6,667
11	Support for DWR Technical Services (TSS)	N	$ -	$ 20,000	$ 20,000	$ 20,000
12	GSP Implementation Support					
13	GSP Implementation Program Management	Y	$ 170,000	$ 55,000	$ 60,000	$ 55,000
14	GW Levels and GWQ Monitoring Network Coordination and Data Mgn	Y	$ 60,000	$ 20,000	$ 20,000	$ 20,000
15	DMS Ongoing Maintenance and Enhancements	Y	$ 75,000	$ 25,000	$ 25,000	$ 25,000
16	Support for CBGSA Response to DWR and Public Comments / Modify	Y	$ 70,000	$ 40,000	$ -	$ -
17	Support for Adaptive Management of Groundwater Levels	Y	$ 180,000	$ 80,000	$ 50,000	$ 50,000
18	Prepare Annual Report for Cuyama Basin	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
19	Meter Implementation - Ongoing Support	Y	$ 30,000	$ 10,000	$ 10,000	$ 10,000
20	Grant Admin (SGM Round 1)	Y	$ 300,000	$ 100,000	$ 100,000	$ 100,000
21	Perform Monitoring and Monitoring Network Enhancements					
22	Install Piezometers for GW-SW and GDE Monitoring	Y	$ 45,000	$ 45,000	$ -	$ -
23	Driller Cost	Y	$ 165,000	$ 165,000	$ -	$ -
24	Install Dedicated Monitoring Wells	Y	$ 415,000	$ 415,000		$ -
25	Driller Cost	Y	$ 2,000,000	$ 2,000,000		$ -
26	Improve Understanding of Basin Water Use					
27	Perform updated land use survey	Y	$ 30,000	$ 30,000	$ -	$ -
28	Perform river channel survey	Y	$ 45,000	$ 45,000	$ -	$ -
29	Enhance existing CIMIS station & implement new stations	Y	$ 80,000	$ 80,000	$ -	$ -
30	Project & Management Action Implementation					
31	CBWRM model update and re-calibration	Y	$ 200,000	$ -	$ 200,000	$ -
32	Incorporate AEM data into model update	Y	$ 90,000	$ -	$ 90,000	$ -
33	Pumping allocation implementation	Y	$ 200,000	$ 100,000	$ 50,000	$ 50,000
34	Analysis of management action implementation options	Y	$ 240,000	$ 96,000	$ 96,000	$ 48,000
35	Precipitation enhancement feasibility study	Y	$ 30,000	$ 30,000	$ -	$ -
36	Flood and Stormwater Capture - water rights analysis	Y	$ 55,000	$ -	$ 55,000	$ -
37	GSP Implementation, Outreach, and CBGSA Management					
38	Outreach - domestic well owners	Y	$ 15,000	$ 15,000	$ -	$ -
39	5-year GSP update	Y	$ 983,500	$ -	$ 688,450	$ 295,050

	Category	3-Yr Grant Funded	Grant Budget	2022-23 Budget	2023-24 Budget	2024-25 Budget
	Subtotal		**$ 6,028,500**	**$ 3,588,667**	**$ 1,705,117**	**$ 890,717**
E	**OTHER TECHNICAL**					
1	Quarterly GW Levels and Piezometer Monitoring (Contractor TBD)	Y	$ 135,000	$ 45,000	$ 45,000	$ 45,000
2	Annual WQ Monitoring (Contractor TBD)	Y	$ 96,000	$ 32,000	$ 32,000	$ 32,000
3	Perform One-Time Nitrate and Arsenic Testing	Y	$ 5,500	$ 5,500		
4	Annual Stream Gauge Maintenance (USGS)	Y	$ 165,000	$ 55,000	$ 55,000	$ 55,000
	Subtotal		**$ 401,500**	$ 137,500	$ 132,000	$ 132,000
	Grant Funded			**$ 4,054,167**	$ 2,165,117	$ 1,350,717
	CBGSA Funded (non grant-elegible costs)			**$ 106,000**	$ 106,000	$ 106,000
	TOTAL		$ 7,600,000	**$ 4,160,167**	$ 2,271,117	$ 1,456,717

PROJECTED FISCAL YEAR 2022-2023

Month	Beginning Cash	Hallmark Group	Legal	W&C & Technical	Other Technical Monitoring, etc.	Non Grant Reimb Exp Audit, Insurance, Contigency, Grant Proposal, TSS	Total Expenses	DWR SGM Grant	GW Extraction Fee	Total Revenues	Projected Ending Cash Balance	
		Expenses						Revenues				
Dec 17-Jun 30 Reir	907,128						30,000		1,064,000	1,064,000	1,971,128	
July-22	1,971,128	24,167	8,333	299,056	48,750	8,833	389,139			-	1,581,989	**Draft FY 22-23 Fee**
August-22	1,581,989	24,167	8,333	299,056		8,833	340,389			-	1,241,600	**$ 38**
September-22	1,241,600	24,167	8,333	299,056	55,000	8,833	395,389			-	846,211	
October-22	846,211	24,167	8,333	299,056	11,250	8,833	351,639	27,000		27,000	521,573	
November-22	521,573	24,167	8,333	299,056		8,833	340,389			-	181,184	
December-22	181,184	24,167	8,333	299,056		8,833	340,389			-	(159,205)	
January-23	(159,205)	24,167	8,333	299,056	11,250	8,833	351,639	988,575		988,575	477,731	
February-23	477,731	24,167	8,333	299,056		8,833	340,389			-	137,342	
March-23	137,342	24,167	8,333	299,056		8,833	340,389			-	(203,047)	
April-23	(203,047)	24,167	8,333	299,056	11,250	8,833	351,639	905,325		905,325	350,639	
May-23	350,639	24,167	8,333	299,056		8,833	340,389			-	10,250	
June-23	10,250	24,167	8,333	299,056		8,833	340,389			-	(330,139)	
Total		**290,000**	**100,000**	**3,588,667**	**137,500**	**106,000**	**4,222,167**	**1,920,900**	**1,064,000**	**2,984,900**		

PROJECTED FISCAL YEAR 2023-2024

July-23	(330,139)					8,833	189,260	905,325	140,000	1,045,325	525,927	**Draft FY 23-24 Fee**
August-23	525,927					8,833	189,260			-	336,667	**$ 5**
September-23	336,667					8,833	189,260			-	147,407	
October-23	147,407					8,833	189,260	905,325		905,325	863,473	
November-23	863,473					8,833	189,260			-	674,213	
December-23	674,213					8,833	189,260			-	484,953	
January-24	484,953					8,833	189,260	487,151		487,151	782,845	
February-24	782,845					8,833	189,260			-	593,585	
March-24	593,585					8,833	189,260			-	404,325	
April-24	404,325					8,833	189,260	487,151		487,151	702,217	
May-24	702,217					8,833	189,260			-	512,957	
June-24	512,957					8,833	189,260			-	323,697	
						106,000	2,271,117					

PROJECTED FISCAL YEAR 2024-2025								
July-24	323,697		10,600	145,672	487,151	140,000	627,151	805,177
August-24	805,177		10,600	145,672			-	659,505
September-24	659,505		10,600	145,672			-	513,834
October-24	513,834		10,600	145,672	487,151		487,151	855,313
November-24	855,313		10,600	145,672			-	709,641
December-24	709,641		10,600	145,672			-	563,970
January-25	563,970		10,600	145,672	364,694		364,694	782,992
February-25	782,992		10,600	145,672			-	637,320
March-25	637,320		10,600	145,672			-	491,648
April-25	491,648		10,600	145,672	364,694		364,694	710,670
May-25	710,670		8,833	95,833			-	614,837
June-25	614,837		8,833	95,833	1,246,258		1,246,258	1,765,261
			123,667	1,648,383				

PROJECTED FISCAL YEAR 2025-2026								
July-25	1,765,261			95,833		140,000	140,000	1,809,428
August-25	1,809,428			95,833			-	1,713,595
September-25	1,713,595			95,833			-	1,617,761
October-25	1,617,761			95,833			-	1,521,928
November-25	1,521,928			95,833			-	1,426,095
December-25	1,426,095			95,833			-	1,330,261
January-26	1,330,261			95,833			-	1,234,428
February-26	1,234,428			95,833			-	1,138,595
March-26	1,138,595			95,833			-	1,042,761
April-26	1,042,761			95,833			-	946,928
May-26	946,928			95,833			-	851,095
June-26	851,095			95,833			-	755,261
				1,150,000				

Draft FY 24-25 Fee

$ **5**

Draft FY 25-26 Fee

$ **5**

Exhibit B
CROP FACTORS

Form I
IRRIGATOR

WATER USE ESTIMATE WORKSHEET – 2021
Cuyama Basin Groundwater Sustainability Agency

Name _____

Billing Address _____

Phone / Email _____

Instructions:

1. For 2021, input crop name(s)[1] in column A, the parcels those acres are farmed on in column B, the irrigated acres in column C, and the corresponding crop factors from the attached Exhibit C-1 in column D.
2. Multiply acres (column C) by the crop factor (column D) and input result in column E.
3. Total the acre-feet from column E in row 2.

	A	B	C		D		E
	Crop Name	Assessor Parcel Number(s) (APN)[2]	Acres		Crop Factor		Water Use (acre-feet)
1				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
				X		=	
2	Total Acre-feet (sum column E)						

[1]If you have metered water use that is less than the crop factors, you can report metered water use.

[2]Cropping location information may be provided separately from this form. Please contact Taylor Blakslee at 661-477-3385, or tblakslee@hgcpm.com for any questions.

Exhibit I-1 – Crop Factors

Source Information

Crop Factors are evapotranspiration (ET) values from California Polytechnic State University's Irrigation Training and Research Center (ITRC) California Crop and Soil Evapotranspiration Report (Crop Report), ITRC Report No. R 03-001 accessible at www.itrc.org/reports/pdf/californiacrop.pdf.

The below values were calculated using ET reference averages for zone 10 from the Crop Report (see below figure).

Avg Annual Reference ET by Zone (inches/yr)

Zone	Total
1	33.0"
2	39.0"
3	46.3"
4	45.5"
5	43.9"
6	49.7"
7	43.4"
8	49.4"
9	55.1"
10	**49.1"**
11	53.0"
12	53.3"
13	54.3"
14	57.0"
15	57.0"
16	62.5"
17	66.5"
18	71.3"

Crop Factors

Crop	ET	Crop	ET
Alfalfa Hay	4.02	Melon, Radish, Squash, & Cucumbers	1.62
Alfalfa Seed, Sudan	3.60	Olives, Mature	3.27
Almonds	3.32	Olives, Deficit	2.58
Apples[1] (Drip)	2.50	Onions and Garlic	1.99
Apples, Pear, Cherry, Plum, and Prune	3.33	Permanent Pasture	3.93
Barley Wheat, Oats	1.97	Pistachios	2.99
Blackeyed Peas	1.97	Potatoes	3.00
Carrots	2.20	Rootstock	2.23
Corn	2.43	Sorghum Grain	2.43
Cotton	2.70	Sugar Beets	2.70
Citrus	3.45	Tomatoes	2.20
Grapes with 40% cover crop	1.56	Walnuts	3.53
Grapes with 60% cover crop	2.02	Cannabis[2]	TBD
Grapes with 100% cover crop	2.24	Hemp[3]	TBD
Lettuce	2.20		

[1]Value determined by local expertise in the Cuyama Valley.
[2]Value based on ____.
[3]Value based on ____.

Form M
MUNICIPAL & INDUSTRIAL
WATER USE ESTIMATE WORKSHEET – 2021
Cuyama Basin Groundwater Sustainability Agency

Name _____

Billing Address _____

Phone / Email _____

Instructions:

1. Calculate water use by inputting units used for municipal & industrial water use in column B (see Exhibit M-1 below to calculate units) for the appropriate corresponding water use categories found in column A.
    a. Multiply units used (column B) by the water consumption factor in column C and input result in column D.
    b. Total the gallons from column D and convert to acre-feet on row 13.

	A	B		C		D
	Type of Use	Units Used		Water Consumption Factor (Gal)		Water Use (Gal)
1	Chicken Ranches		X	3,532	=	
2	Livestock Drinking Water No. of cows, bulls and horses No. of stockers No. of sheep and goats		X	5,520 2,760 1,100	=	
3	Hotels No. of rooms		X	46,000	=	
4	Office Buildings; including Churches No. of offices		X	38,600	=	
5	Restaurants Seating capacity		X	11,400	=	
6	Service Stations No. of stations		X	350,000	=	
7	Stores Sq ft of building		X	50	=	
8	Trailer Court Avg no. of people		X	36,800	=	
9	Elementary Schools No. of students x No. of school days		X	80	=	
10	Junior & Senior High Schools, Colleges and Churches No. of students x No. of school days		X	160	=	
11	Watered Land; non-ag No. of acres		X	5	=	
12	Total Gallons (sum column D and/or E)					
13	Convert to Acre-feet (Row 12/325,850)					

Exhibit M-1 – Unit(s) Calculations

Unit Calculation

	Type of Use	Units Used
1	Chicken Ranches	Avg number of units of 100 chickens on hand for the reporting period.
2	Livestock Drinking Water	Average number of livestock on hand for the reporting period (drinking water only). Amounts derived from NDSU Extension Service report from July 2015 entitled "Livestock Water Requirements."
3	Hotels	Total number of rooms.
4	Office Buildings; including Churches	Total number of offices in building, or offices served.
5	Restaurants	Total number of seats including seats at the counter, chairs, stools, benches and patio seating.
6	Service Stations	Number of stations served.
7	Stores	Square feet of any store, supermarket or shop. Calculation includes employee, customer and maintenance water use.
8	Trailer Court	Average number of people in the trailer court.
9	Elementary Schools	Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11.
10	Junior & Senior High Schools and Churches	Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11. For churches, figure total hours and divide by 8 to determine number of "school days."
11	Watered Land; non-ag	All lands, ornamental plants, shrubs, etc., watered but not qualifying for agricultural rate.