



CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

BOARD OF DIRECTORS MEETING

Board of Directors

Cory Bantilan Chair, Santa Barbara County Water Agency
Matt Vickery Vice Chair, Cuyama Basin Water District
Arne Anselm Secretary, County of Ventura
Byron Albano Treasurer, Cuyama Basin Water District
Rick Burnes Cuyama Basin Water District
Jimmy Paulding County of San Luis Obispo

Zack Scrivner County of Kern
Das Williams Santa Barbara County Water Agency
Deborah Williams Cuyama Community Services District
Jane Wooster Cuyama Basin Water District
Derek Yurosek Cuyama Basin Water District

AGENDA

September 6, 2023

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, September 6, 2023, at 2:00 PM at the **Cuyama Valley Family Resource Center 4689 CA-166, New Cuyama, CA 93254**. Participate via computer at: <https://rb.gy/1nxwv> or by going to Microsoft Teams, downloading the free application, then entering Meeting ID: 224 192 969 900 Passcode: jVHbgy or enter or telephonically at (469) 480-3918 Phone Conference ID: 956 062 525#.

Teleconference Locations:

4689 CA-166, New Cuyama, CA 93254	1st District Carpinteria Office 5201 8th St. Carpinteria, CA 93013	800 S. Victoria Ave. Ventura, CA 93009
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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

Items listed on the Consent Agenda are considered routine and non-controversial by staff and will be approved by one motion if no member of the Board or public wishes to comment or ask questions. If comment or discussion is desired by anyone, the item will be removed from the Consent Agenda and will be considered in the listed sequence with an opportunity for any member of the public to address the Board concerning the item before action is taken.

5. Approve Minutes – July 11, 2023
6. Approve Payment of Bills for June and July 2023
7. Approve Financial Report for June and July 2023

ACTION ITEMS

All action items require a simple majority vote by default (50% of the vote). Items that require a super majority vote (75% of the

weighted total) will be noted as such at the end of the item.

8. Groundwater Sustainability Plan Amendment Components
 - a) Discuss and Take Appropriate Action on Basin-Wide Pumping Restrictions [Initial Discussion]
 - b) Discuss and Take Appropriate Action on Central Management Area Boundary [Initial Discussion]
 - c) Discuss and Take Appropriate Action on Pumping Reduction Implementation [Initial Discussion]
 - d) Discuss and Take Appropriate Action on Groundwater Levels Monitoring Network [Final Discussion]
 - e) Discuss and Take Appropriate Action on Groundwater Storage Monitoring Network [Final Discussion]
 - f) Discuss and Take Appropriate Action on Sustainable Management Criteria and Undesirable Results Criteria for Groundwater Levels [Initial Discussion]
 - g) Discuss and Take Appropriate Action on Sustainable Management Criteria and Undesirable Results Criteria for Groundwater Storage [Initial Discussion]
9. Discuss and Take Appropriate Action on Plan for Public Workshops
10. Discuss and Take Appropriate Action on Annual Reporting Requirement for Local Crop Data
11. Discuss and Take Appropriate Action on Plan to Revise Crop Factors on Small Pumper Water Use Reporting Form
12. Discuss and Take Appropriate Action to Identify Location of Tamarisk in the River Channel

REPORT ITEMS

13. Administrative Updates
 - a) Report of the Executive Director
 - b) Report of the General Counsel
14. Technical Updates
 - a) Update on Groundwater Sustainability Plan Activities
 - b) Update on Modeled Pumping vs User-Reported Pumping
 - c) Update on Grant-Funded Projects
 - d) Update on Active Well Dataset
 - e) Update on July 2023 Groundwater Conditions Report
15. Report of Ad Hoc Committees
16. Directors' Forum
17. Public Comment for Items Not on the Agenda
18. Correspondence

CLOSED SESSION

19. Conference with Legal Counsel – Anticipation Litigation
Significant Exposure to Litigation Pursuant to Government Code section 54956.9(d)(2)
 - (a) Number of Potential Cases: One
20. Adjourn

2023

Board Ad hocs

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

1	GSP Amendment	Albano Paulding Williams, Das Wooster Yurosek
2	Basin-Wide Water Management Policy	Anselm Bantilan Williams, Deborah Yurosek
3	Central Management Area Policy	Anselm Bantilan Vickery Williams, Deborah Wooster
4	Grant-Funded Items	Albano Vickery Williams, Das Williams, Deborah
5	Unknown Extractors	Anselm Vickery

Cuyama Basin Groundwater Sustainability Agency Board of Directors Meeting

July 12, 2023

Draft Meeting Minutes

PRESENT:

Directors

Bantilan, Cory – Chair

Vickery, Matt – Vice Chair

Albano, Byron – Treasurer

Anselm, Arne – Secretary

Elliot, Darcel – Alternate for Williams, Das

Klinchuch, Matt – Alternate for Burnes, Rick

Reely, Blaine – Alternate for Paulding, Jimmy

Williams, Debby

Wooster, Jane

Yurosek, Derek

Zenger, Katelyn – Alternate for Scrivner, Zack

Staff

Beck, Jim – Executive Director

Blakslee, Taylor – Assistant Executive Director

Hughes, Joe – Legal Counsel

ABSENT:

None

1. Call to Order

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Chair Cory Bantilan called the meeting to order at 2:00 p.m.

2. Roll Call

Mr. Blakslee called roll (shown above) and informed Chair Bantilan that there was a quorum of the Board.

3. Pledge of Allegiance

The pledge of allegiance was led by Chair Bantilan.

4. Standing Advisory Committee Meeting Report

Standing Advisory Committee (SAC) Chair Brenton Kelly provided a report on the July 6, 2023, SAC meeting and is included below:

Standing Advisory Committee Report

Meeting Date: July 5th, 2023

Submitted to the CBGSA Board on July 12th, 2023

By Brenton Kelly, SAC Chair

The Standing Advisory Committee met at the Cuyama Valley Family Resource Center in a hybrid format, with four committee members present in-person and two on the conference line. GSA Staff Taylor Blakeslee was present, joined by Jim Beck and Brian Van Lienden and Alex Dominguez on the call, and several public members were on the videoconference. Committee member Draucker was not able to attend.

The SAC reviewed the DWR Approval Report and Recommendations and was asked to help staff and this Board to prioritize and set the timeline for the many topics and policy discussions needed as we move towards the Periodic Update in 2025.

In the SAC Committee Forum toward the end of the meeting, several community updates were given by committee members:

- It was suggested that the Twitchell Reservoir Sediment Removal Project was potentially interested in the reduction of sediment from the upper Cuyama Valley tributaries which could coincide with projects and actions that might also increase infiltration of groundwater before it gets into the river.
- The recent article in the *Santa Barbara Independent* titled [‘A water war is underway in Santa Barbara Counties carrot country’](#) was noted for its honest take on how landowners—including the school district— are being impacted by the adjudication process.
- The permit for the North Fork Vineyard groundwater filled reservoirs was denied by the Santa Barbara County Planning Commission on the basis of environmental concerns. Harvard has appealed this decision to the SB County Board of Supervisors.

8. Discuss and Take Appropriate Action on DWR GSP Approval Staff Report

The SAC addressed each of DWR’s five recommendations separately:

#1. Simulating the impacts to beneficial uses and users in the Northwestern Region

Committee Member Jaffe asked for more information regarding the well dataset and what areas it will cover. Mr. Van Lienden responded that the well data set will cover the entire basin.

Committee Member Jaffe commented there are three large reservoirs seeking approval to be built that will be filled with groundwater and asked if this can be incorporated in the analysis. Mr. Van Lienden replied this can be looked at if the reservoirs are approved.

#2. Depletions of Interconnected Surface Water caused by groundwater pumping

Chair Kelly asked if it is possible if the river channel survey by drone flight is photographic and if it can be used for vegetation classification. This could assist the GSA to both identify Groundwater Dependent

Ecosystems as well as the presence of invasive species like Tamarisk. Mr. Van Lienden replied this is an optional part of the survey, and may not be more useful information than the remote data provided by DWR.

Lynn Carlisle commented that information for vegetation classification can be used to inform efforts to control the spread of invasive species and the substantial consumption of water for a non-beneficial use. Mr. Van Lienden replied he would need to check whether that level of detail can be provided and what the cost would be.

#3. Improved Reliability of Water Supplies for Local Communities project

Chair Kelly asked if the Reliability of Water Supplies was being considered for the two other communities in the Cuyama Valley (Cuyama and Ventucopa) that are currently experiencing reliability issues with domestic water supply. Mr. Van Lienden said no such considerations are currently being made.

#4, Establishing Sustainable Management Criteria for Nitrate

This discussion continued as it has over the years regarding the Regional Water Quality Control Board (RWQCB) and their jurisdiction over the regulation of Nitrates. If the RWQCB has the data, the CBSGA should coordinate and not duplicate those efforts.

The SAC expressed full support for coordinating with RWQCB and the Integrated Lands Project for data collection and reporting.

Vice Chair DeBranch asked if the corrective actions are requirements or just suggestions. Mr. Beck responded DWR did not identify these as a deficiency otherwise they would not have approved the plan. Mr. Beck continued to explain DWR made these comments as suggestions that we should strongly consider.

#5. Clarifying the frequency of collecting samples to analyze for arsenic and nitrate

Chair Kelly asked Staff how frequently groundwater quality samples should be taken. Mr. Beck replied the shortest interval would be annually and the longest it should be is every 3 years.

9. Discuss and Take Appropriate Action on Plan Amendment to Change Undesirable Results Criteria

The SAC agreed with Staff and voted unanimously to not take any action on this item at this time, and to put the effort towards the 2025 periodic update.

10. Discuss and Take Appropriate Action on GSP Periodic Evaluation

The ambitious schedule was discussed for reviewing the proposed updates for the GSP chapters and related policy items. Public engagement was discussed, and the effectiveness of the workshop timing was considered.

Lynn Carlisle suggested that a workshop on the relationship between the GSA and the adjudication process would be helpful for the community to help stakeholders understand the issues, including requests for boundary modifications. Legal counsel Alex Dominguez responded this will be discussed with the Board and see what the Board would like to do.

11. Discuss and Take Appropriate Action on Precipitation Enhancement Study by Desert Research Institute

The SAC was somewhat split on the effectiveness of this project, but did generally agree that this contract would help to resolve these questions without too much expense. SAC voted in favor of cooperating with SB County on this cloud seeding report, with one abstention.

12. Discuss and Take Appropriate Action on Proposed Modifications to Water Use Reporting Procedures

The SAC felt that it may be too soon to change the photo requirements for the Well Meter Report. It was suggested to clarify the language to require a photo of the meter for every month the well was used.

It was also suggested that crop data (including crop type and acreage) was important to include on the meter report. The SAC encouraged Staff to effectively collect the data needed to understand “How much water each well was producing to irrigate what crops on which parcels”. The SAC felt that this may require different forms for the diversity of operations in the Valley.

SAC agreed with Staff that the chart of crop factors on the Small Pumper Form needs to be updated for accuracy in the high desert of Cuyama.

13. Discuss and Take Appropriate Action on Well Registration Program

The SAC agreed with the Well Registration Program as proposed. Staff reminded Stakeholders that there is also a form online to report any well issues. This form can be found on the Resource page of the CBGSA website: Cuyamabasin.org

Thank you for your consideration of our discussions,
Brenton Kelly
SAC Chairperson

CONSENT AGENDA

5-7. Consent Agenda

Chair Bantilan asked if any Directors wanted to move any of the consent items out to discuss in more detail. No request was made, and Chair Bantilan asked if there was a motion to approve consent agenda item nos. 5-7.

MOTION

Director Williams made a motion to approve the consent agenda item nos. 5-7. The motion was seconded by Director Anselm, a roll call vote was made and passed with 93%.

- AYES: Albano, Anselm, Bantilan, Elliot, Reely, Vickery, Williams, Wooster, Yurosek, Zenger
- NOES: None
- ABSTAIN: None

ABSENT: Klinchuch

ACTION ITEMS

8. Discuss and Take Appropriate Action on DWR GSP Approval Staff Report

Mr. Beck provided background on the Department of Water Resources (DWR) Groundwater Sustainability Plan (GSP) approval staff report which is included in the Board packet. Mr. Van Lienden walked through each of the corrective actions which is included in the Board packet.

Director Klinchuch joined the meeting at 2:15 p.m.

SAC Chair Kelly provided the SAC report on DWR GSP approval staff report which is provided in the SAC report.

Director Williams commented there needs to be more data in the western part of the basin and clarification for DWR that the water in the northwestern area is not affected by pumping in the central portion of the Cuyama Basin.

Director Wooster commented staff should consider using a drone to take videos of the Cuyama River Channel to identify the Tamarisk shrubs.

Stakeholder Lynn Carlisle expressed concern of the potential water use of the invasive Tamarisk shrubs and noted there is State and federal funding to help remove Tamarisk plants.

Mr. Beck commented staff will investigate what additional work can be done to identify the extent of Tamarisk plants in the Cuyama River and what that cost would be. Chair Bantilan requested this be agendized for a future meeting.

Director Williams commented the Cuyama Community Service District (CCSD) is still working to install a new well.

Director Albano commented that staff should correct the bullet point on the fourth DWR corrective action under current CBGSA actions (which is provided in the Board packet) to say, "Coordinate annually with the Regional Water Quality Control Board to develop strategies for prevention of nitrate migration due to management actions."

Director Yurosek commented that there is already monitoring and reporting being done for nitrates and the GSA should not begin duplicating work that is being done by other agencies.

Director Williams asked staff why the GSA cannot use the water quality testing performed by the CCSD to satisfy the DWR corrective action No. 5. Mr. Van Lienden replied staff would be happy to use that data, but the CCSD only monitors a small part of the Basin and the corrective action is for the entire Basin.

Director Yurosek commented that if there is data available from other agencies, staff should

gather and use that data regarding arsenic and nitrates.

9. Discuss and Take Appropriate Action on Plan Amendment to Change Undesirable Results

Criteria

Mr. Beck provided background on the GSP plan amendment to change undesirable results criteria which is included in the Board packet. Mr. Van Lienden reviewed the current status of the monitoring wells, which is included in the Board packet, and reported that due to the recent wet hydrology several representative monitoring wells had groundwater levels rise above their minimum thresholds and the basin is no longer expected to experience undesirable results for 17 months. He reported that due to this update, staff no longer recommends amending the GSP in the fall 2023.

SAC Chair Kelly provided the SAC report on the GSP plan amendment to change undesirable results criteria which is provided in the SAC report.

Director Vickery commented he agrees with staff's recommendation of addressing corrective actions to be included as part of the 2025 GSP update.

Director Yurosek commented there was a lot of work done to get this presentable to the Board and sooner or later this will need to be addressed.

MOTION

Director Vickery made a motion to not submit a GSP amendment at this time and consider potential changes as part of January 2025 GSP amendment. The motion was seconded by Director Williams, a roll call vote was made and passed with 100%.

AYES: Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Wooster, Yurosek, Zenger

NOES: None

ABSTAIN: None

ABSENT: None

10. Discuss and Take Appropriate Action on GSP Periodic Evaluation

Mr. Beck provided background for the GSP periodic evaluation and Mr. Blakslee reviewed the typical issue resolution process which is provided in the Board packet.

SAC Chair Kelly provided the SAC report on GSP Periodic Evaluation which is provided in the SAC report.

Stakeholder Kathleen March commented the GSA should do something to discuss the relationship between the GSP and the adjudication. She continued to explain the GSA can and should intervene in the judgement.

Director Albano commented that the workshops should be held much earlier to incorporate stakeholder input through the process rather than just before the Board votes on a subject.

Director Reely commented there is no requirement to do a 5-year update on the GSP by January 2025, but there is a requirement to perform an evaluation of the GSP.

Mr. Van Lienden reviewed the schedule for technical work required for a GSP amendment and periodic evaluation which is included in the Board packet.

Director Wooster commented that she agrees with Director Albano that the public workshops should be held before any Board decisions are made. Mr. Beck responded there can be more public workshops and the Board can direct staff when to schedule these workshops. Director Albano commented there shouldn't be more workshops, rather the workshops should be before the SAC and Board meeting.

Director Klinchuch asked if the model will be updated in time to match some of the items on the schedule. Mr. Blakslee replied items can be pushed back, if necessary, but staff anticipates the model will be updated in time to utilize for the appropriate items.

Director Albano asked if any change to the plan requires a super majority vote. Mr. Blakslee confirmed this and Director Albano commented it is important to consider which items can be passed by the Board before putting a lot of work into something that will not pass.

The Board provided general consensus for the topic resolution process, and the schedule of topics and workshops.

11. Discuss and Take Appropriate Action on Precipitation Enhancement Study by Desert Research Institute

Mr. Van Lienden reviewed the proposed precipitation enhancement study proposal provided by Desert Research Institute (DRI) which is provided in the Board packet. He reported this study is being considered since the Board identified precipitation enhancement as a potential project in the GSP.

SAC Chair Kelly provided the SAC report on precipitation enhancement study by Desert Research Institute which is provided in the SAC report.

Director Wooster commented she is not supportive of this study and by doing this the GSA may be taking rain away from other areas. Matt Young replied that the purpose of the study is to determine its effectiveness.

Director Yurosek commented that this is only to study whether this is effective and the cost for the actual program is significantly higher. Matt Young replied that Santa Barbara County pays \$300,000 per year for this to be done and that is the cost share.

Mr. Beck responded staff is presenting this item because it was identified in the GSP as a potential project and the study will determine whether this effort is effective.

MOTION

Director Vickery made a motion to approve the Desert Research Institute proposal. The motion was seconded by Director Reely, a roll call vote was made and passed with 93%.

AYES: Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Yurosek, Zenger

NOES: Wooster

ABSTAIN: None
 ABSENT: None

12. Discuss and Take Appropriate Action on Proposed Modifications to Water Use Reporting Procedures

Mr. Blakslee reviewed proposed modifications to water use reporting procedures which are summarized in the Board packet.

Meter Reporting Guidance

Mr. Blakslee reported that currently, monthly photos of meters are requested annually per the meter reporting guidance. He noted that taking monthly photos may be burdensome on some landowners and requires additional staff time to check against monthly reported volumes. He noted that a potential option is to clarify that only a single photo of each meter is required in January (annually) for staff to QA/QC against reported flow volumes.

SAC Chair Kelly provided the SAC report on the proposed modifications meter reporting guidance which is provided in the SAC report.

Director Albano commented that the GSA should only require yearly photos but encourages landowners to take monthly photos if they are questioned.

Director Elliot asked how this saves time if landowners only submit the photo's once per year. Mr. Blakslee replied staff may need to sort through all the photos if they are not labeled properly and staff is currently not checking every photo for accuracy of reporting each month, instead staff is checking if the start and ending meter reading are accurate.

Director Anselm commented that the monthly photos could help the modeling and asked if it would significantly help the model. Mr. Van Lienden replied the form still requires landowners to report monthly and staff utilizes that information rather than using the photos.

Director Albano commented it may be burdensome for the landowners to take pictures of the monthly flow meter.

Director Vickery replied there is no need for monthly pictures of the meter when the yearly photos are made available.

MOTION

Director Anselm made a motion to require monthly reporting of the meters but not require monthly pictures of the meter. The motion was seconded by Director Yurosek, a roll call vote was made and passed with 100%.

AYES: Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Wooster, Yurosek, Zenger
 NOES: None
 ABSTAIN: None
 ABSENT: None

Flow Meter Reporting Form

Mr. Blakslee reviewed the proposed modifications to the flow meter reporting form which is provided in the Board packet.

He reported that flow meter reporting forms require parcels irrigated to be listed, but not the crop type. He said that without user-reported cropping data, land use characterization in the model will be limited to Land IQ and DWR datasets. He reported that a potential option is to require crop types to be reported on flow meter forms.

SAC Chair Kelly provided the SAC report on the proposed modifications to the flow meter reporting form which is provided in the SAC report.

Director Yurosek commented that for some pumpers it is difficult to determine which well serves which APN and the goal is understand how much water is pumped.

Director Albano suggested asking landowners what crop the well generally serves.

Stakeholder Lynn Carlisle commented that having the crop data information with how much water is pumped will help the GSA in the future.

Chair Bantilan asked staff if it would be appropriate to create a new form. Mr. Beck suggested adding this to the next Board agenda and having an ad hoc to determine the best way to report crop data. Chair Bantilan responded an ad hoc is not needed, but staff can use the information provided and provide a suggestion at the next Board meeting.

Director Albano commented there needs to be a change in the flow meter reporting form that says "All APNs served by this well" for number 6 on the form.

Director Vickery commented staff should look to make the reporting as easy as possible.

MOTION

Director Yurosek made a motion for staff to work on the form and documentation on well reporting, acreage, and crop type and present it to the Board at the September 6, 2023, Board meeting. The motion was seconded by Director Elliot, a roll call vote was made and passed with 100%.

AYES: Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Wooster, Yurosek, Zenger

NOES: None

ABSTAIN: None

ABSENT: None

Small Pumper Form

Mr. Blakslee reviewed the proposed modifications for the small pumper form which is provided in the Board packet.

He reported that small pumpers (water extractors using less than 25 acre-feet (AF) annually) report water use via predefined crop factors. He said the existing crop factors do not precisely account for all crops in the basin, or account for immature crops. He reported that for 2022 water use small pumpers represented roughly 90 AF. He said a potential option is to work with an ad hoc to determine appropriate refinements to the crop factors.

SAC Chair Kelly provided the SAC report on the proposed modifications to the small pumper form which is provided in the SAC report.

Director Yurosek commented that it is important to make this change to improve accuracy.

Director Vickery asked how much it would cost to do this effort. Mr. Blakslee replied staff has not calculated the anticipated cost. Director Vickery replied that these numbers need to be updated, but it is important to weigh the cost and benefit due to the small number of small pumpers.

MOTION

Director Williams made a motion for staff to develop a cost estimate for the effort to update the small pumper form and present at the September 6, 2023, Board meeting. The motion was seconded by Director Reely, a roll call vote was made and passed with 100%.

AYES:	Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Wooster, Yurosek, Zenger
NOES:	None
ABSTAIN:	None
ABSENT:	None

13. Discuss and Take Appropriate Action on Well Registration Program

Mr. Blakslee provided an update on the well registration program which is provided in the Board packet.

SAC Chair Kelly provided the SAC report on the proposed Well Registration Program which is provided in the SAC report.

Stakeholder George Adam asked how the GSA is handling landowners who have livestock. Mr. Blakslee replied there is a municipal and industrial form that allows people to report water use for livestock.

Director Vickery commented that if someone is drilling a new well or making changes to an existing well, the well driller will already have the information available. He continued to ask if this interacts or conflicts with the current requirements of a new and replacement well. Mr. Blakslee replied there is nothing in the current process that requires detailed information for the well to be provided to the GSA.

Director Wooster asked why these would be sent to the County. Mr. Blakslee replied to let the County know this information is required to assist in communicating the requirement to new

well owners.

Director Elliot asked if this form would be sent to the County and if the County would require applicants to complete this form and have it be sent to the GSA. Mr. Blakslee replied that is correct.

MOTION

Director Albano made a motion approve Well Registration form as presented by staff. The motion was seconded by Director Yurosek, a roll call vote was made and passed with 100%.

AYES: Albano, Anselm, Bantilan, Elliot, Klinchuch, Reely, Vickery, Williams, Wooster, Yurosek, Zenger
 NOES: None
 ABSTAIN: None
 ABSENT: None

14. Discuss and Take Appropriate Action on a Monitoring Network Consultant Contract for FY 23-24

Director Klinchuch recused himself from this agenda item.

Mr. Blakslee provided an overview of the Provost & Pritchard (P&P) contract for Fiscal Year 2023-24 monitoring network measurements and annual water quality sampling.

MOTION

Director Yurosek made a motion to approve a groundwater level and water quality monitoring contract with P&P for Fiscal Year 2023-2024 for an amount not to exceed of \$68,000. The motion was seconded by Director Williams, a roll call vote was made and passed with 100%.

AYES: Albano, Anselm, Bantilan, Elliot, Reely, Vickery, Williams, Wooster, Yurosek, Zenger
 NOES: None
 ABSTAIN: Klinchuch
 ABSENT: None

REPORT ITEMS

15. Administrative Updates

a. Report of the Executive Director

Mr. Blakslee provided an update on Hallmark Group progress and next steps and an overview of the CBGSA's expenses and budget-to-actuals, which are included in the Board packet.

b. Report of the General Counsel

Nothing to report.

16. Technical Updates

a. Update on Groundwater Sustainability Plan Activities

Mr. Van Lienden provided an update on the accomplishments for May and June 2023 which are provided in the Board packet.

b. Update on Grant Funded Projects

Mr. Van Lienden provided an update on the grant-funded projects which is provided in the Board packet.

c. Update on Well Dataset

Mr. Van Lienden provided an update on the active well dataset which is provided in the Board packet.

Director Albano asked if this includes all the wells from the recent reporting. Mr. Van Lienden responded this should include all the wells that were reported if they included the latitude and longitude. Several Directors and stakeholders commented that the information did not look complete, and staff said they would look into this and report back.

d. Update on Potential Non-Reporting Pumpers

Mr. Blakslee provided an update on the potential non-reporting pumpers which is provided in the Board packet.

Director Albano asked if staff has access to Land IQ data set. Mr. Van Lienden replied yes, Land IQ provided updated irrigated acreage shapefiles, but do not reflect in-field ground truthing (scheduled for September 2023). Director Albano asked if Land IQ has crop type data available. Mr. Blakslee replied staff can investigate this.

e. Update on April 2023 Groundwater Conditions Report

Mr. Van Lienden provided an update on the April 2023 groundwater conditions report which is provided in the Board packet.

17. Report of the Ad Hoc Committee

Nothing to report.

18. Directors' Forum

Mr. Blakslee asked for feedback on the best time to have the first workshop before the Board meeting in September.

Director Vickery commented it would be good to have the workshop before the September Board meeting.

Director Albano commented that the workshop should be held after the September Board meeting and closer to having it in October.

Director Williams commented it is important to identify what needs to be included in the

workshop and having a workshop before the September Board meeting is too soon. Mr. Blakslee commented there will be an ad hoc for this before the workshop is held.

Stakeholder Lynn Carlisle commented it would be better to have a workshop after the September meeting to have enough time to gather all the information needed and having the workshop no earlier than 5:30 p.m. to allow stakeholders enough time after work.

The Board reached consensus to have the workshop during the weekday after 5:30 p.m. and after the September Board meeting.

19. Public comment for Items Not on the Agenda

Stakeholder Kathleen March commented that the GSA should discuss intervening in the adjudication to prevent wasting the millions of dollars spend on the approved GSP since the judgement will overwrite the GSP.

Stakeholder George Adams commented there are a lot of landowners that have not been properly contacted regarding the adjudication.

20. Correspondence

Mr. Blakslee reviewed the letter from Robbie Jaffe which is included in the Board Packet.

21. Closed Session

The Board did not go into closed session.

22. Adjourn

Chair Bantilan adjourned the meeting at 6:05 p.m.

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: September 6, 2023

SUBJECT: Approval of Payment of Bills for June and July 2023

Recommended Motion

Approve payment of the bills for June and July 2023 in the amount of \$290,910.20.

Discussion

Consultant invoices for the months of June and July 2023 are provided as Attachment 1 and summarized below.

Expense	June 2023	July 2023	Totals
W&C – Technical support services	\$ 77,479.49	\$141,191.98	\$218,671.47
Hallmark – Executive Director services	\$24,704.77	\$16,837.50	\$41,542.27
USGS – Quarterly Invoice for O&M of two (2) stream gauges	\$13,150.00	\$0.00	\$13,150.00
Klein – Legal services	\$2,690.55	\$6,091.50	\$8,782.05
P&P – Quarterly Groundwater level measurements	\$1,372.00	\$6,507.96	\$7,879.96
Mailed Notices – CMA Allocation Packet	\$884.45	\$0.00	\$884.45
TOTAL	\$120,281.26	\$170,628.94	\$290,910.20



INVOICE

Billed To:
Cuyama Basin GSA
 Attn: Jim Beck
 4900 California Avenue, Ste B
 Bakersfield, CA 93309

Please Remit Payment To:
The Hallmark Group
 500 Capitol Mall, Ste 2350
 Sacramento, CA 95814
 P: (916) 923-1500

Invoice No.: 2023-CBGSA-06
Date: June 30, 2023
Agreement No.: 201709-CB-001
Task Order: CB-HG-008

For professional services rendered for the month of June 2023:

Task No.	Task Description	Personnel	Billing Classification	Hours	Rate	Amount
1	Board of Directors Meetings	J. Beck	Executive Director	1.00	\$ 350.00	\$ 350.00
		T. Blasklee	Project Manager	15.50	\$ 175.00	\$ 2,712.50
		J. Montoya	Project Coordinator	10.50	\$ 125.00	\$ 1,312.50
Total Task 1 Labor						\$ 4,375.00
2	Consultant Mgmt and GSP Impl	J. Beck	Executive Director	7.75	\$ 350.00	\$ 2,712.50
		T. Blasklee	Project Manager	27.50	\$ 175.00	\$ 4,812.50
Total Task 2 Labor						\$ 7,525.00
3	Financial Information Coordination	J. Beck	Executive Director	1.75	\$ 350.00	\$ 612.50
		J. Harris	Project Controls	11.75	\$ 200.00	\$ 2,350.00
		T. Blasklee	Project Manager	4.00	\$ 175.00	\$ 700.00
		H. Fuentes	Project Controls Coordinator	0.50	\$ 150.00	\$ 75.00
		J. Montoya	Project Coordinator	2.75	\$ 125.00	\$ 343.75
Total Task 3 Labor						\$ 4,081.25
4	CBGSA Outreach	T. Blasklee	Project Manager	9.75	\$ 175.00	\$ 1,706.25
Total Task 4 Labor						\$ 1,706.25
5	Groundwater Extraction Fee Funding	T. Blasklee	Project Manager	0.75	\$ 175.00	\$ 131.25
		J. Montoya	Project Coordinator	6.00	\$ 125.00	\$ 750.00
Total Task 5 Labor						\$ 881.25
6	Support for DWR and Public Comments	T. Blasklee	Project Manager	27.00	\$ 175.00	\$ 4,725.00
Total Task 6 Labor						\$ 4,725.00
7	Central Management Area Policy	T. Blasklee	Project Manager	1.25	\$ 175.00	\$ 218.75
Total Task 7 Labor						\$ 218.75
8	Adjudication Support	T. Blasklee	Project Manager	2.00	\$ 175.00	\$ 350.00
Total Task 8 Labor						\$ 350.00
9	Well Permits	J. Harris	Project Controls	0.75	\$ 200.00	\$ 150.00
		J. Montoya	Project Coordinator	0.75	\$ 125.00	\$ 93.75
Total Task 9 Labor						\$ 243.75
Total Labor						\$ 24,106.25
	Other Direct Costs (ODC)	Mileage (T. Blasklee 819.8 mi)				\$ 527.90
		Hall Letter Shop - Mailing CMA Allocation Packet				\$ 884.45
Total ODC						\$ 1,412.35
5% ODC Mark-Up						\$ 70.62
TOTAL AMOUNT DUE THIS INVOICE						\$ 25,589.22

Maximum Contract Value and Progress Billing

Sub Task	Contract Value	Amendments/ Change Orders	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-008	\$ 284,306.00	\$ 20,500.00	\$ 304,806.00	\$ 261,450.00	\$ 24,106.25	\$ 19,249.75
Other Direct Costs	\$ 5,694.00	\$ -	\$ 5,694.00	\$ 14,960.44	\$ 1,482.97	\$ (10,749.41)
Total	\$ 290,000.00	\$ 20,500.00	\$ 310,500.00	\$ 276,410.44	\$ 25,589.22	\$ 8,500.34

INVOICE



5200 Rosedale Highway, Bakersfield, CA 93308
 (661) 327-3228 • Fax (661) 327-5140

INVOICE DATE

6/14/2023

INVOICE NO.

26404

AMOUNT DUE

\$884.45

SOLD TO

Hallmark Group CPM
 4900 California Ave Tower B
 Suite 210
 Bakersfield, CA 93309

SHIP TO

Hallmark Group CPM
 4900 California Ave Tower B
 Suite 210
 Bakersfield, CA 93309

Order Placed... Josh Montoya

TERMS	COD	CUSTOMER #	PO #	JOB #	16025
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QTY	PRODUCT	DESCRIPTION	TOTAL
210	Printing	CMA Final Allocation Packets	368.40T
210	Envelopes	6x9 Envelopes	121.90T
1	Mail Preparation	Processed and Mailed 204 Pieces 6/8/23	165.20
1	Metered	Postage	188.50

All charge accounts are due and payable on the 1st day of the month following the date of invoice. 1.5% per month late charge will be due on all past due balances. A Statement **will not** be sent unless requested.

Thank you for this order!

SALES TAX	\$40.45
SALE TOTAL	\$884.45
PAYMENTS / CREDITS	\$0.00
PLEASE PAY THIS AMOUNT →	\$884.45

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

EST. 1968
**PROVOST &
 PRITCHARD**
 CONSULTING GROUP
An Employee Owned Company

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

July 12, 2023
 Project No: 03930-22-001
 Invoice No: 101869

Project Name: Cuyama GSA-CBGSA Groundwater Level Monitoring for 2023

Client Project #:

Phase LVL 2022:

Levels Client contact and monitoring event follow up

Project management and meetings

Professional Services from June 1, 2023 to June 30, 2023

Phase: LVL Groundwater Level Monitoring

Labor

	Hours	Rate	Amount	
Assistant Engineer	2.00	126.00	252.00	
Associate Envir. Spec	8.00	140.00	1,120.00	
Totals	10.00		1,372.00	
Total Labor				1,372.00
		Total this Phase:		\$1,372.00
		Total this Invoice		<u><u>\$1,372.00</u></u>

Project 03930-22-001 CBGSA Groundwater Level Monitoring for 2 Invoice 101869

Billing Backup

Wednesday, July 12, 2023

Provost & Pritchard Consulting Group

Invoice 101869 Dated 7/12/2023

10:04:17 AM

Phase: LVL Groundwater Level Monitoring

Labor

			Hours	Rate	Amount	
Assistant Engineer						
1026 - Poire, Luis	6/12/2023		1.00	126.00	126.00	
1026 - Poire, Luis	6/22/2023		.50	126.00	63.00	
1026 - Poire, Luis	6/30/2023		.50	126.00	63.00	
Associate Envir. Spec						
1154 - Vander Schuur, Jon	6/9/2023		1.00	140.00	140.00	
1154 - Vander Schuur, Jon	6/12/2023		1.50	140.00	210.00	
1154 - Vander Schuur, Jon	6/13/2023		.50	140.00	70.00	
1154 - Vander Schuur, Jon	6/23/2023		1.00	140.00	140.00	
1154 - Vander Schuur, Jon	6/28/2023		2.00	140.00	280.00	
1154 - Vander Schuur, Jon	6/30/2023		2.00	140.00	280.00	
	Totals		10.00		1,372.00	
	Total Labor					1,372.00
				Total this Phase:		\$1,372.00
				Total this Project:		\$1,372.00
				Total this Report		\$1,372.00

Progress Report



Cuyama Basin Groundwater Sustainability Plan Development

Subject: June 2023 Progress Report

Jim Beck, Executive Director,

Prepared for: Cuyama Basin Groundwater Sustainability Agency (CBGSA)

Prepared by: Micah Eggleton, Woodard & Curran

Reviewed by: Brian Van Lienden, Woodard & Curran

Date: July 18, 2023

Project No.: 0011078.01

This progress report summarizes the work performed and project status for the period of May 27, 2023 through June 30, 2023 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 10, issued by the CBGSA on May 4, 2022 and with Task Order 11, issued by the CBGSA on May 3, 2023. Work previously authorized on Task Orders 1 through 9 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 for Task Order 10 and in Table 2 for Task Order 11.

Table 1: Summary of Task/Deliverables Status for Task Order 10

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 45: FY23 Stakeholder/Board and Outreach Engagement Support	<ul style="list-style-type: none"> • Prepare for and participate in ad-hoc calls • Prepare materials for SAC/Board meeting and packet • Updates to GSA website 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 54 in Task Order 11.
Task 46: FY23 Grant Administration	<ul style="list-style-type: none"> • Coordination, budget and schedule management related to grant tasks • Finalized third grant invoice and submit to DWR 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 55 in Task Order 11.
Task 47: FY23 Ongoing Monitoring and Data Management Support	<ul style="list-style-type: none"> • Program management, coordination and data management related to monitoring activities • Uploading data to DMS and to DWR SGMA portal • Prepared groundwater conditions report for April 2023 monitoring 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 56 in Task Order 11.
Task 48: FY23 Monitoring Network Enhancements	<ul style="list-style-type: none"> • Site visits at potential well and piezometer installation locations • Prepare permit applications for well site locations • Coordination with GSA staff and ad-hoc committee • Developed subcontract and coordinated with drilling subconsultant 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 56 in Task Order 11.

Cuyama Basin Groundwater Sustainability Development
June 2023 Progress Report

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 49: FY23 Projects & Management Action Implementation	<ul style="list-style-type: none"> • Performed analysis of AEM data for inclusion in model update and assessment of basin geologic features • Refinement of draft GSP supplemental section • Review of modeled versus actual pumping data • Document review and coordination related to cloud seeding analyses 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 57 in Task Order 11.
Task 50: FY23 GSP Implementation, Outreach, & Compliance Activities	<ul style="list-style-type: none"> • Coordination among GSA Board, staff and stakeholders • Ongoing budget tracking, schedule management, and quality assurance/quality control of project implementation activities • Developed responses for DWR corrective actions and participated in calls/meetings with DWR staff to discuss potential approaches to respond in technical documents 	100%	None. Additional work will be performed under Task 58 in Task Order 11.
Task 51: FY23 Improve Understanding of Basin Water Use	<ul style="list-style-type: none"> • GIS analysis and coordination calls with landowners to support CIMIS station installation • Coordination with GSA staff and consultants for aerial survey of river channel 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 60 in Task Order 11.
Task 52: Support for DWR Technical Support Services	<ul style="list-style-type: none"> • None during billing period 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 63 in Task Order 11.
Task 53: Preparation of Grant Proposal	<ul style="list-style-type: none"> • None during billing period 	100%	<ul style="list-style-type: none"> • None. Additional work will be performed under Task 61 in Task Order 11.

Table 2: Summary of Task/Deliverables Status for Task Order 11

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 54: FY24 Stakeholder/Board and Outreach Engagement Support	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Participation in future ad-hoc calls Preparation for and participation in future CBGSA Board and SAC meetings
Task 55: FY24 Grant Administration	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Finalize third grant invoice and submit to DWR Further grant administration and invoicing
Task 56: FY24 Ongoing Monitoring and Data Management Support	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Program management, coordination and data management related to monitoring activities Continue outreach to landowners for potential well and piezometer installation and finalize agreements Finalize subcontract and coordinate with drilling subconsultant
Task 57: FY24 Project and Management Action Implementation	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Ongoing PMA implementation support including analysis and material preparation Perform basin model update
Task 58: FY24 GSP Implementation, Outreach, & Compliance Activities	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Ongoing support for GSP implementation, outreach and compliance activities

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 59: Prepare Five Year Update	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Develop workplan for Five-Year Update Develop materials for Board consideration related to Five-year Update
Task 60: FY24 Improve Understanding of Basin Water Use	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Continued support for weather station, river channel survey and land use project implementation
Task 61: FY24 Preparation of Grant Proposal	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> None
Task 62: Perform Fault Investigation	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Perform planning activities for fault investigation
Task 63.1: Support for DWR Technical Support Services	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Support DWR TSS activities as needed
Task 63.2: Well Permit Review	<ul style="list-style-type: none"> None 	3%	<ul style="list-style-type: none"> Additional well permit reviews as requested
Task 63.3: Website Redesign	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> None

2 Budget Status

Table 3 shows the percent spent for each task under Task Order 10 as of June 30, 2023. 71% of the available Task Order 10 budget has been expended \$1,006,324.11 out of \$1,423,667).

Table 3: Budget Status for Task Order 10

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
45	\$145,650.00	\$133,944.62	\$11,680.63	\$145,625.25	\$24.75	100%
46	\$100,060.00	\$93,423.75	\$6,655.00	\$100,078.75	(\$18.75)	100%
47	\$44,810.00	\$44,687.50	\$132.50	\$44,820.00	(\$10.00)	100%
48	\$460,160.00	\$171,491.25	\$13,787.61	\$185,278.86	\$274,881.14	40%
49	\$305,950.00	\$288,886.25	\$17,036.25	\$305,922.50	\$27.50	100%
50	\$150,050.00	\$106,833.75	\$25,782.50	\$132,616.25	\$17,433.75	88%
51	\$154,992.00	\$64,633.75	\$2,405.00	\$67,038.75	\$87,953.25	43%
52	\$20,030.00	\$0.00	\$0.00	\$0.00	\$20,030.00	0%
53	\$41,965.00	\$24,943.75	\$0.00	\$24,943.75	\$17,021.25	59%
Total	\$1,423,667.00	\$928,844.62	\$77,479.49	\$1,006,324.11	\$417,342.89	71%

Table 4 shows the percent spent for each task under Task Order 11 as of June 30, 2023. 0% of the available Task Order 11 budget has been expended (\$335.00 out of \$2,436,117).

Table 4: Budget Status for Task Order 11

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
54	\$153,530.00	\$0.00	\$0.00	\$0.00	\$153,530.00	0%
55	\$99,940.00	\$0.00	\$0.00	\$0.00	\$99,940.00	0%
56	\$323,350.00	\$0.00	\$0.00	\$0.00	\$323,350.00	0%
57	\$541,220.00	\$0.00	\$0.00	\$0.00	\$541,220.00	0%
58	\$114,980.00	\$0.00	\$0.00	\$0.00	\$114,980.00	0%
59	\$688,500.00	\$0.00	\$0.00	\$0.00	\$688,500.00	0%
60	\$101,892.00	\$0.00	\$0.00	\$0.00	\$101,892.00	0%
61	\$41,980.00	\$0.00	\$0.00	\$0.00	\$41,980.00	0%
62	\$329,730.00	\$0.00	\$0.00	\$0.00	\$329,730.00	0%
63.1	\$20,050.00	\$0.00	\$0.00	\$0.00	\$20,050.00	0%
63.2	\$12,030.00	\$335.00	\$0.00	\$335.00	\$11,695.00	3%
63.3	\$8,915.00	\$0.00	\$0.00	\$0.00	\$8,915.00	0%
Total	\$2,436,117.00	\$335.00	\$0.00	\$335.00	\$2,435,782.00	0%

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1 through 10 is complete.

4 Outstanding Issues to be Coordinated

None



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

T 800.426.4262
 T 207.774.2112
 F 207.774.6635

INVOICE

TD BANK

Electronic Transfer:

Ⓜ 211274450 Ⓜ 2427662596 Ⓜ *

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

July 20, 2023
 Project No: 0011078.01
 Invoice No: 221891

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending June 30, 2023

Phase 045 FY 22/23 STAKEHOLDER/BOARD AND OUTREACH ENGAGEMENT SUPPORT

Professional Personnel

	Hours	Rate	Amount	
Designer				
Fox, Adam	1.50	200.00	300.00	
Engineer 1				
Camille, Adrien	6.00	200.00	1,200.00	
Planner 3				
Valenzuela, George	.50	250.00	125.00	
Project Planner 1				
Eggleton, Charles	.50	265.00	132.50	
Senior Project Manager				
Strandberg, James	3.00	335.00	1,005.00	
Van Lienden, Brian	25.00	335.00	8,375.00	
Totals	36.50		11,137.50	
Labor Total				11,137.50

Consultant

Sub - Consultant Miscellaneous				
6/30/2023 THE CATALYST GROUP	The Catalyst Group Inv. #789		493.75	
Consultant Total	1.1 times	493.75		543.13
	Total this Phase			\$11,680.63

Project	0011078.01	CUYAMA GSP	Invoice	221891
Phase	046	FY 22/23 GRANT ADMINISTRATION		

Professional Personnel

	Hours	Rate	Amount	
Planner 3				
Valenzuela, George	2.50	250.00	625.00	
Senior Project Manager				
Van Lienden, Brian	18.00	335.00	6,030.00	
Totals	20.50		6,655.00	
Labor Total				6,655.00
				Total this Phase \$6,655.00

Phase	047	FY 22/23 ONGOING MONITORIING AND DATA MANAGEMENT SUPPORT		
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Professional Personnel

	Hours	Rate	Amount	
Project Planner 1				
Eggleton, Charles	.50	265.00	132.50	
Totals	.50		132.50	
Labor Total				132.50
				Total this Phase \$132.50

Phase	048	FY 22/23 MONITORING NETWORK ENHANCEMENTS		
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Professional Personnel

	Hours	Rate	Amount	
Engineer 1				
Camille, Adrien	11.00	200.00	2,200.00	
Project Assistant				
Hodgens, Jennifer	13.75	130.00	1,787.50	
Project Engineer 1				
Lucy, Caleb	7.50	265.00	1,987.50	
Senior Project Manager				
Strandberg, James	10.00	335.00	3,350.00	
Van Lienden, Brian	1.00	335.00	335.00	
Totals	43.25		9,660.00	
Labor Total				9,660.00

Project	0011078.01	CUYAMA GSP	Invoice	221891
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Reimbursable

Vehicle Expenses

5/31/2023	Strandberg, James	Project site meeting	465.05
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Travel & Lodging

5/30/2023	Strandberg, James	Project site meeting	313.32
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5/31/2023	Strandberg, James	Project site meeting	4.00
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Miscellaneous

6/27/2023	Strandberg, James	Permit Application Fee	290.00
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Application Fees & Expenses

6/29/2023	SBC ENVIRONMENTAL HEALTH	Monitoring Well Permit Application Fee (GDE-1)	670.00
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6/29/2023	SBC ENVIRONMENTAL HEALTH	Monitoring Well Permit Application Fee (GDE-5)	670.00
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6/29/2023	SBC ENVIRONMENTAL HEALTH	Monitoring Well Permit Application Fee (MW-C)	670.00
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6/29/2023	SBC ENVIRONMENTAL HEALTH	Monitoring Well Permit Application Fee (MW-H)	670.00
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Reimbursable Total	1.1 times	3,752.37	4,127.61
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Total this Phase	\$13,787.61
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Phase	049	FY 22/23 PROJECT & MANAGEMENT ACTION IMPLEMENTATION
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Professional Personnel

	Hours	Rate	Amount
Project Assistant			
Sentz-Casas, Christine	.75	130.00	97.50
Project Planner 1			
Eggleton, Charles	48.75	265.00	12,918.75
Senior Project Manager			
Van Lienden, Brian	12.00	335.00	4,020.00
Totals	61.50		17,036.25

Labor Total			17,036.25
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Total this Phase	\$17,036.25
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Phase	050	FY 22/23 GSP IMPLEMENTATION, OUTREACH, AND COMPLIANCE ACTIVITIES
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Project	0011078.01	CUYAMA GSP	Invoice	221891
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Professional Personnel

	Hours	Rate	Amount
Drafter			
Almestad, Kevin	49.50	150.00	7,425.00
Morison, Michael	1.00	150.00	150.00
Engineer 3			
Baer, John	19.00	250.00	4,750.00
Project Planner 1			
Eggleton, Charles	25.50	265.00	6,757.50
Senior Project Manager			
Strandberg, James	20.00	335.00	6,700.00
Totals	115.00		25,782.50
Labor Total			25,782.50
Total this Phase			\$25,782.50

Phase	051	FY 22/23 IMPROVE UNDERSTANDING OF BASIN WATER USE
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Professional Personnel

	Hours	Rate	Amount
Senior Project Manager			
Van Lienden, Brian	1.00	335.00	335.00
Senior Technical Leader			
Taghavi, Ali	6.00	345.00	2,070.00
Totals	7.00		2,405.00
Labor Total			2,405.00
Total this Phase			\$2,405.00

Phase	063	FY 23/24 AS-NEEDED TECHNICAL TASKS
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Total this Phase	0.00
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Total this Invoice	\$77,479.49
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	Current Fee	Previous Fee	Total
Project Summary	77,479.49	4,598,850.09	4,676,329.58

Project

0011078.01

CUYAMA GSP

Invoice

221891

Approved by:



Brian Van Lienden
Senior Project Manager
Woodard & Curran

The Catalyst Group, Inc.
 25 Brushwood Lane
 Greenbrae, CA 94904
 +1 4155242080
 Charles@CatalystGroupCA.com
 www.CatalystGroupCA.com

**BILL TO**

Brian Van Lienden
 Woodard & Curran
 801 T Street
 Sacramento, CA 95811

INVOICE 789**DATE 07/06/2023 TERMS Net 90****DUE DATE 10/04/2023**

DATE	ACCOUNT SUMMARY	AMOUNT
04/05/2023	Balance Forward	735.00
	Other payments and credits after 04/05/2023 through 07/05/2023	-152.50
07/06/2023	Other invoices from this date	0.00
07/06/2023	Other payments from this date	-582.50
	New charges (details below)	493.75
	Total Amount Due	493.75

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
06/21/2023	Task 10-Pope	Brian/Taylor call	1:15	170.00	212.50
06/21/2023	Task 10-Gardiner	Coordination call	1:15	225.00	281.25

TOTAL OF NEW
 CHARGES 493.75

TOTAL DUE \$493.75

The Catalyst Group, Inc.



Woodard & Curran

Project Manager:

Billing Summary

Cuyama GSP

Brian Van Lienden

Original Contract Amount (Task Order 1)

\$32,000.00

Task Order 2

\$49,575.00

Task Order 3

\$50,000.00

Task Order 4

\$61,291.00

Task Order 5

\$13,500.00

Task Order 6

\$16,939.00

Invoices

Date	No. Task 1	Task 10	Expenses	Total	Payments		Owed	
					Date	Amount		
1/7/2019	372	\$0.00	\$4,688.75	\$494.97	\$5,183.72	9/3/2019	\$5,183.72	\$0.00
2/4/2019	380	\$0.00	\$10,682.50	\$1,381.18	\$12,063.68	9/3/2019	\$12,063.68	\$0.00
3/1/2019	387	\$0.00	\$7,807.50	\$1,556.60	\$9,364.10	9/3/2019	\$9,364.10	\$0.00
4/1/2019	393	\$0.00	\$9,907.50	\$1,175.45	\$11,082.95	9/3/2019	\$11,082.95	\$0.00
5/6/2019	399	\$0.00	\$11,702.50	\$1,754.76	\$13,457.26	9/3/2019	\$13,457.26	\$0.00
6/6/2019	409	\$0.00	\$8,063.75	\$620.72	\$8,684.47	1/28/2020	\$8,684.47	\$0.00
7/2/2019	413	\$0.00	\$3,448.75	\$0.00	\$3,448.75	1/28/2020	\$3,448.75	\$0.00
8/6/2019	420	\$0.00	\$4,116.25	\$460.47	\$4,576.72	1/28/2020	\$4,576.72	\$0.00
9/9/2019	426	\$0.00	\$1,828.75	\$544.14	\$2,372.89	1/28/2020	\$2,372.89	\$0.00
10/4/2019	434	\$0.00	\$1,595.00	\$0.00	\$1,595.00	1/28/2020	\$1,595.00	\$0.00
11/5/2019	440	\$0.00	\$1,697.10	\$634.22	\$2,331.32	2/18/2020	\$2,331.32	\$0.00
12/6/2019	451	\$0.00	\$1,875.00	\$505.76	\$2,380.76	3/11/2020	\$2,380.76	\$0.00
3/5/2020	473	\$0.00	\$371.25	\$0.00	\$371.25	4/10/2020	\$371.25	\$0.00
4/3/2020	474	\$0.00	\$412.50	\$0.00	\$412.50	5/8/2020	\$412.50	\$0.00
5/2/2020	480	\$0.00	\$1,926.25	\$0.00	\$1,926.25	11/10/2020	\$1,926.25	\$0.00
6/2/2020	485	\$0.00	\$1,223.75	\$223.84	\$1,447.59	7/12/2020	\$1,447.59	\$0.00
7/1/2020	490	\$0.00	\$792.50	\$40.71	\$833.21	8/10/2020	\$833.21	\$0.00
9/10/2020	500	\$0.00	\$123.75	\$0.00	\$123.75	12/15/2020	\$123.75	\$0.00
11/4/2020	511	\$0.00	\$1,122.50	\$0.00	\$1,122.50	2/9/2021	\$1,122.50	\$0.00
12/3/2020	517	\$0.00	\$410.00	\$177.70	\$587.70	2/9/2021	\$587.70	\$0.00
2/2/2021	529	\$0.00	\$885.00	\$0.00	\$885.00	3/2/2021	\$885.00	\$0.00
3/3/2021	537	\$0.00	\$582.50	\$0.00	\$582.50	3/29/2021	\$582.50	\$0.00
5/4/2021	546	\$0.00	\$1,307.50	\$0.00	\$1,307.50	9/15/2021	\$1,307.50	\$0.00
6/2/2021	556	\$0.00	\$2,033.75	\$0.00	\$2,033.75	9/14/2021	\$2,033.75	\$0.00
7/8/2021	570	\$0.00	\$400.00	\$0.00	\$400.00	9/14/2021	\$400.00	\$0.00
8/5/2021	575	\$0.00	\$953.75	\$0.00	\$953.75	11/16/2021	\$953.75	\$0.00
9/8/2021	584	\$0.00	\$1,792.50	\$419.80	\$2,212.30	11/16/2021	\$2,212.30	\$0.00
12/2/2021	609	\$0.00	\$1,561.25	\$0.00	\$1,561.25	1/24/2022	\$1,561.25	\$0.00
2/2/2022	626	\$0.00	\$371.25	\$0.00	\$371.25	3/22/2022	\$371.25	\$0.00
3/2/2022	635	\$0.00	\$651.25	\$0.00	\$651.25	5/24/2022	\$651.25	\$0.00
4/5/2022	645	\$0.00	\$1,510.00	\$0.00	\$1,510.00	5/24/2022	\$1,510.00	\$0.00
5/3/2022	652	\$0.00	\$1,541.25	\$0.00	\$1,541.25	7/18/2022	\$1,541.25	\$0.00
6/3/2022	664	\$0.00	\$491.25	\$0.00	\$491.25	7/6/2022	\$491.25	\$0.00
7/6/2022	675	\$0.00	\$1,765.00	\$0.00	\$1,765.00	9/20/2022	\$1,765.00	\$0.00
8/6/2022	684	\$0.00	\$1,280.00	\$0.00	\$1,280.00	9/20/2022	\$1,280.00	\$0.00
9/5/2022	690	\$0.00	\$913.75	\$0.00	\$913.75	12/28/2022	\$913.75	\$0.00
10/10/2022	699	\$0.00	\$200.00	\$0.00	\$200.00	11/8/2022	\$200.00	\$0.00
12/8/2022	723	\$0.00	\$560.00	\$0.00	\$560.00	1/10/2023	\$560.00	\$0.00
4/4/2023	760	\$0.00	\$152.50	\$0.00	\$152.50	5/1/2023	\$152.50	\$0.00
7/6/2023	789	\$0.00	\$493.75	\$0.00	\$493.75			\$493.75

Totals	\$28,133.75	\$171,925.75	\$21,542.44	\$221,601.94
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Current Due	\$493.75	Remaining Owed	\$493.75
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Total Budget	\$223,305
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Remaining Budget	\$1,703.06
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MonthlyProgressReport-June2023

To: Brian Van Lienden

From: Aaron Pope

Date: July 6, 2023

Re: June 2023 Progress Report

The following summarizes the Catalyst activities for the Cuyama Groundwater Sustainability Plan for the month of March 2023.

Work Completed

- Coordination call with GSA team on outreach planning.

Work Planned for Next Month

- Plan outreach activities.
- Attend Board and SAC meetings as requested.

Issues for Resolution

- None.

DI-1040

UNITED STATES DEPARTMENT OF THE INTERIOR
DOWN PAYMENT (BILL) REQUEST

Page:1

Make Remittance Payable To: U.S. Geological Survey
Billing Contact: Cade Castro Phone: ccastro@usgs.gov

Bill #: 91085694
Customer: 6000007725
Date: 07/18/2023
Due Date: 09/16/2023

Remit Payment To: United States Geological Survey
P.O. Box 6200-27
Portland, OR 97228-6200

Payer: CUYAMA BASIN GROUNDWATER
SUSTAINABILITY
AGENCY
4900 CALIFORNIA AVE, TOWER B, 2ND FL
BAKERSFIELD CA 93309

Additional forms of payment may be accepted. Please email GS-A-HQ_RMS@USGS.GOV or call 703-648-7683 for additional information.

To pay through Pay.gov go to <https://www.pay.gov>.

Checks must be made payable to U.S. Geological Survey. Please detach the top portion or include bill number on all remittances.

Amount of Payment: \$ _____

Date	Description	Qty	Unit Price		Amount
			Cost	Per	
07/18/2023	Quarterly billing for cooperative water resource investigations in the Cuyama Basin Groundwater Sustainability Agency area, per a Joint Funding Agreement (JFA) 23ZGJFA06000065 between the Cuyama Basin Groundwater Sustainability Agency and the USGS. This JFA was accepted by your agency on 09/16/2022. Quarterly bills cover billing periods as follows: Federal FY Qtr 1 10/01/2022 # 12/31/2022 Federal FY Qtr 2 01/01/2023 # 03/31/2023 Federal FY Qtr 3 04/01/2023 # 06/30/2023 Federal FY Qtr 4 07/01/2023 # 09/30/2023 23ZGJFA06000065	1	13,150.00	1	13,150.00

Amount Due this Bill: 13,150.00

Accounting Classification:
Sales Order: 110595
Sales Office: GWZG
Customer: 6000007725
Accounting #: 10779107

TIN: *****7328

Billed To:

Cuyama Basin GSA
 Attn: Jim Beck
 4900 California Avenue, Ste B
 Bakersfield, CA 93309

Please Remit Payment To:

The Hallmark Group
 500 Capitol Mall, Ste 2350
 Sacramento, CA 95814
 P: (916) 923-1500

Invoice No.: 2023-CBGSA-07

Date: July 31, 2023

Agreement No.: 201709-CB-001

Task Order: CB-HG-009

For professional services rendered for the month of July 2023:

Task No.	Task Description	Personnel	Billing Classification	Hours	Rate	Amount
1	Board of Directors Meetings	J. Beck	Executive Director	7.50	\$ 350.00	\$ 2,625.00
		T. Blasklee	Project Manager	23.00	\$ 200.00	\$ 4,600.00
		J. Montoya	Project Coordinator	19.50	\$ 150.00	\$ 2,925.00
					Total Task 1 Labor	\$ 10,150.00
2	Consultant Mgmt and GSP Impl	J. Beck	Executive Director	9.00	\$ 350.00	\$ 3,150.00
		T. Blasklee	Project Manager	11.75	\$ 200.00	\$ 2,350.00
					Total Task 2 Labor	\$ 5,500.00
3	Financial Information Coordination	J. Beck	Executive Director	0.00	\$ 350.00	\$ -
		J. Harris	Project Controls	1.25	\$ 200.00	\$ 250.00
		T. Blasklee	Project Manager	0.75	\$ 200.00	\$ 150.00
		H. Fuentes	Project Controls Coordinator	0.50	\$ 150.00	\$ 75.00
		J. Montoya	Project Coordinator	2.50	\$ 150.00	\$ 375.00
					Total Task 3 Labor	\$ 850.00
4	CBGSA Outreach	T. Blasklee	Project Manager	1.50	\$ 200.00	\$ 300.00
					Total Task 4 Labor	\$ 300.00
5	Groundwater Extraction Fee Funding	T. Blasklee	Project Manager	0.00	\$ 200.00	\$ -
		J. Montoya	Project Coordinator	0.25	\$ 150.00	\$ 37.50
					Total Task 5 Labor	\$ 37.50
					Total Labor	\$ 16,837.50
11	Other Direct Costs (ODC)				Total ODC	\$ -
					5% ODC Mark-Up	\$ -
					TOTAL AMOUNT DUE THIS INVOICE	\$ 16,837.50

Maximum Contract Value and Progress Billing						
Sub Task	Contract Value	Amendments/ Change Orders	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-009	\$ 311,706.00	\$ -	\$ 311,706.00	\$ -	\$ 16,837.50	\$ 294,868.50
Other Direct Costs	\$ 5,694.00	\$ -	\$ 5,694.00	\$ -	\$ -	\$ 5,694.00
Total	\$ 317,400.00	\$ -	\$ 317,400.00	\$ -	\$ 16,837.50	\$ 300,562.50

PROVOST & PRITCHARD CONSULTING GROUP

455 W Fir Ave • Clovis, CA 93611 • (559) 449-2700
www.provostandpritchard.com

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

August 21, 2023
Project No: 03930-22-001
Invoice No: 102915

Project Name: Cuyama GSA-CBGSA Groundwater Level Monitoring for 2023

Client Project #:

2023 Third Quarter depth to water levels measurement
Preparation and organization prior to field activity
Well owner contact and scheduling.
Follow-up well owner contact regarding task items.
Project management and client correspondence.
Mileage from Bakersfield to Cuyama and return.

Professional Services from July 01, 2023 to July 31, 2023

Phase: LVL Groundwater Level Monitoring

Labor

	Hours	Rate	Amount	
Assistant Engineer	37.20	126.00	4,687.20	
Project Administrator	.50	94.00	47.00	
Associate Envir. Spec	9.30	140.00	1,302.00	
Totals	47.00		6,036.20	
Total Labor				6,036.20

Reimbursable Expenses

Travel & Mileage			310.35	
Other Direct Reimb Expenses			142.39	
Field Supplies			19.02	
Total Reimbursables			471.76	471.76

Total this Phase: \$6,507.96

Total this Invoice \$6,507.96

Project 03930-22-001 CBGSA Groundwater Level Monitoring for 2 Invoice 102915

Billing Backup

Monday, August 21, 2023

Provost & Pritchard Consulting Group

Invoice 102915 Dated 8/21/2023

6:12:26 PM

Phase: LVL Groundwater Level Monitoring

Labor

			Hours	Rate	Amount
Assistant Engineer					
1026 - Poire, Luis	7/11/2023		1.00	126.00	126.00
1026 - Poire, Luis	7/13/2023		.20	126.00	25.20
1026 - Poire, Luis	7/17/2023		1.00	126.00	126.00
1026 - Poire, Luis	7/19/2023		2.00	126.00	252.00
1026 - Poire, Luis	7/20/2023		.50	126.00	63.00
1026 - Poire, Luis	7/21/2023		1.00	126.00	126.00
1026 - Poire, Luis	7/24/2023		12.50	126.00	1,575.00
1026 - Poire, Luis	7/25/2023		12.00	126.00	1,512.00
1026 - Poire, Luis	7/26/2023		5.00	126.00	630.00
1026 - Poire, Luis	7/27/2023		2.00	126.00	252.00
Project Administrator					
1117 - Bravo, Vivian	7/14/2023		.40	94.00	37.60
1117 - Bravo, Vivian	7/24/2023		.10	94.00	9.40
Associate Envir. Spec					
1154 - Vander Schuur, Jon	7/3/2023		2.00	140.00	280.00
1154 - Vander Schuur, Jon	7/5/2023		1.00	140.00	140.00
1154 - Vander Schuur, Jon	7/10/2023		1.00	140.00	140.00
1154 - Vander Schuur, Jon	7/11/2023		1.00	140.00	140.00
1154 - Vander Schuur, Jon	7/19/2023		.50	140.00	70.00
1154 - Vander Schuur, Jon	7/20/2023		.80	140.00	112.00
1154 - Vander Schuur, Jon	7/21/2023		1.00	140.00	140.00
1154 - Vander Schuur, Jon	7/24/2023		2.00	140.00	280.00
	Totals		47.00		6,036.20
	Total Labor				6,036.20

Reimbursable Expenses

Travel & Mileage

MI 0000000MLG13 7/31/2023	2018 Nissan Frontier - Bakersfield Pool / 7/24/23 179 miles @ \$0.655 per mile	134.84
MI 0000000MLG13 7/31/2023	2018 Nissan Frontier - Bakersfield Pool / 7/25/23 233 miles @ \$0.655 per mile	175.51

Other Direct Reimb Expenses

EX 000000001536 7/24/2023	Poire, Luis / Dinner / Dinner after a LONG day	66.77
EX 000000001536 7/25/2023	Poire, Luis / Dinner / Dinner w/ 2 Interns	75.62

Field Supplies

EX 000000001536 7/23/2023	Poire, Luis / Gloves for field / gloves for the field	19.02
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Total Reimbursables 471.76 471.76

Total this Phase: \$6,507.96

Total this Project: \$6,507.96

Total this Report \$6,507.96

CUYAMA BUCKHORN

New Cuyama, CA 4923
Primero St. 93254
(661)766-2825
Y'ALL COME BACK NOW

Customer Copy

Check: 218278
Card Type Visa
Card Number *****8619
Auth Code 07944D
Expiration Date **/**

Check: 218278
Table:
Server: Samuel S
07/24/23 08:17pm

Amount \$48.06
Tip: 10.00
Total: 58.06

---[Seat 1]---	
1 Valley Burger	\$27.00
1 The Buckhorn	\$16.00
	\$43.00
Tax 1:	\$3.34
Non Cash Adj:	\$1.72
Sub w/Tax:	\$48.06
Cash Total:	\$46.34
CC Total:	\$48.06

Visa \$48.00

Guest Name: _____
Room #: _____
ROOM TIP: _____
TOTAL: _____

Guest Signature: _____

Thank you.
For Pool Service / Room Service / or Parties of 6 or more there is an automatic 20% gratuity.

Not Specified

CUYAMA BUCKHORN

New Cuyama, CA 4923
Primero St. 93254
(661)766-2825
Y'ALL COME BACK NOW

Check: 218321
Table:
Server: Summer J
07/25/23

06:07pm

---[Seat 1]---	
1 Buckhorn Spicy	\$17.00
2 The Buckhorn	\$32.00
<hr/>	
Tax 1:	\$49.00
Non Cash Adj:	\$3.80
Sub w/Tax:	\$1.96
Cash Total:	\$54.76
CC Total:	\$52.80

Customer Copy

Check: 218321
Card Type Visa
Card Number *****8619
Auth Code 05427D
Expiration Date **/**

Amount \$54.76
Tip: 11.00
Total: 65.76



LOWE'S HOME CENTERS, LLC
7825 ROSEDALE HIGHWAY
BAKERSFIELD, CA 93308 (661) 588-6420

- SALE -

SALES#: FSTLAN03 13 TRANS#: 334424383 07-23-23

424955 PS GRAIN LEATHER BALL-TAP 15.28
SUBTOTAL: 15.28
TOTAL TAX: 1.26
INVOICE 71207 TOTAL: 16.54
VISA: 16.54

VISA: XXXXXXXXXXXX8619 AMOUNT: 16.54 AUTHCD: 04264D
CHIP REFID:079012207066 07/23/23 10:30:57
TUR : 8080008000
TSI : 6800 ATD : A0000000031010

STORE: 0790 TERMINAL: 12 07/23/23 10:31:06
OF ITEMS PURCHASED: 1
EXCLUDES FEES, SERVICES AND SPECIAL ORDER ITEMS



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AT OUR CUSTOMER SERVICE DESK

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FOR MORE DETAILS, VISIT LOWES.COM/PRICEPROMISE

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* ENTER FOR A CHANCE TO BE *
* ONE OF FIVE \$500 WINNERS DRAWN MONTHLY! *
* ENTRE EN EL SORTEO MENSUAL *
* PARA SER UNO DE LOS CINCO GANADORES DE \$500! *
* *
* ENTER BY COMPLETING A SHORT SURVEY *
* WITHIN ONE WEEK AT: www.lowes.com/survey *
* Y O U R I D #712070 079072 048498 *
* *
* NO PURCHASE NECESSARY TO ENTER OR WIN. *
* VOID WHERE PROHIBITED. MUST BE 18 OR OLDER TO ENTER. *
* OFFICIAL RULES & WINNERS AT: www.lowes.com/survey *

STORE: 0790 TERMINAL: 12 07/23/23 10:31:06

Progress Report



Cuyama Basin Groundwater Sustainability Plan Development

Subject: July 2023 Progress Report

Jim Beck, Executive Director,

Prepared for: Cuyama Basin Groundwater Sustainability Agency (CBGSA)

Prepared by: Micah Eggleton, Woodard & Curran

Reviewed by: Brian Van Lienden, Woodard & Curran

Date: August 21, 2023

Project No.: 0011078.01

This progress report summarizes the work performed and project status for the period of July 1, 2023 through July 28, 2023 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 11, issued by the CBGSA on May 2, 2023. Work previously authorized on Task Orders 1 through 10 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: Summary of Task/Deliverables Status for Task Order 11

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 54: FY23-24 Stakeholder/Board and Outreach Engagement Support	<ul style="list-style-type: none"> • Prepare for and participate in ad-hoc calls • Prepare materials for SAC/Board meeting and packet • Participate in SAC meeting on July 6 and Board meeting on July 12 • Updates to GSA website 	8%	<ul style="list-style-type: none"> • Participation in future ad-hoc calls • Preparation for and participation in future CBGSA Board and SAC meetings
Task 55: FY23-24 Grant Administration	<ul style="list-style-type: none"> • Coordination, budget and schedule management related to grant tasks • Began preparation of 4th grant invoice 	8%	<ul style="list-style-type: none"> • Finalize fourth grant invoice and submit to DWR • Further grant administration and invoicing
Task 56: FY23-24 Ongoing Monitoring and Data Management Support	<ul style="list-style-type: none"> • Program management, coordination and data management related to monitoring activities • Uploading data to DMS • Site visits at potential well and piezometer installation locations • Prepare permit applications and landowner agreements for well site locations • Coordination with GSA staff and ad-hoc committee • Finalized subcontract and coordinated with drilling subconsultant 	3%	<ul style="list-style-type: none"> • Program management, coordination and data management related to monitoring activities • Continue preparation of permits and agreements for well and piezometer locations • Continued coordination with drilling subconsultant

Cuyama Basin Groundwater Sustainability Development
July 2023 Progress Report

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 57: FY23-24 Project and Management Action Implementation	<ul style="list-style-type: none"> • Performed analysis of AEM data for inclusion in model update and assessment of basin geologic features • Site visit to Cuyama Valley areas critical for future model development • Performed review of modeled versus actual pumping data in 2022 and prepared presentation materials • Worked with Desert Research Institute to implement approach for cloud seeding analyses 	10%	<ul style="list-style-type: none"> • Ongoing PMA implementation support including analysis and material preparation • Perform basin model update
Task 58: FY23-24 GSP Implementation, Outreach, & Compliance Activities	<ul style="list-style-type: none"> • Coordination among GSA Board, staff and stakeholders • Ongoing budget tracking, schedule management, and quality assurance/quality control of project implementation activities • Coordination with GSA and DWR staff related to DWR corrective actions and potential approaches to respond in technical documents 	7%	<ul style="list-style-type: none"> • Ongoing support for GSP implementation, outreach and compliance activities
Task 59: Prepare Five Year Update	<ul style="list-style-type: none"> • Reviewed monitoring data and monitoring wells to evaluate effectiveness of monitoring network and identify potential changes • Reviewed hydrogeologic and groundwater conditions information to assess need for updating GSP • Develop options for updates to pumping allocations and sustainability criteria for Board consideration 	6%	<ul style="list-style-type: none"> • Continued review of data relevant to the GSP and development of potential technical updates • Continued update and development of GSP approaches for Board consideration

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 60: FY23-24 Improve Understanding of Basin Water Use	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Continued support for weather station, river channel survey and land use project implementation
Task 61: FY23-24 Preparation of Grant Proposal	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> None
Task 62: Perform Fault Investigation	<ul style="list-style-type: none"> Planning and scoping of fault investigations activities, including coordination with potential subconsultants Site visits to locations of potential field investigations to support overall fault investigation 	3%	<ul style="list-style-type: none"> Perform planning activities for fault investigation
Task 63.1: Support for DWR Technical Support Services	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> Support DWR TSS activities as needed
Task 63.2: Well Permit Review	<ul style="list-style-type: none"> None 	3%	<ul style="list-style-type: none"> Additional well permit reviews as requested
Task 63.3: Website Redesign	<ul style="list-style-type: none"> None 	0%	<ul style="list-style-type: none"> None

2 Budget Status

Table 2 shows the percent spent for each task under Task Order 11 as of July 28, 2023. 6% of the available Task Order 11 budget has been expended (\$141,526.98 out of \$2,436,117).

Table 2: Budget Status for Task Order 11

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
54	\$153,530.00	\$0.00	\$12,076.80	\$12,076.80	\$141,453.20	8%
55	\$99,940.00	\$0.00	\$7,807.50	\$7,807.50	\$92,132.50	8%
56	\$323,350.00	\$0.00	\$8,514.33	\$8,514.33	\$314,835.67	3%
57	\$541,220.00	\$0.00	\$51,019.74	\$51,019.74	\$490,200.26	9%
58	\$114,980.00	\$0.00	\$8,466.25	\$8,466.25	\$106,513.75	7%
59	\$688,500.00	\$0.00	\$42,673.61	\$42,673.61	\$645,826.39	6%
60	\$101,892.00	\$0.00	\$0.00	\$0.00	\$101,892.00	0%
61	\$41,980.00	\$0.00	\$0.00	\$0.00	\$41,980.00	0%
62	\$329,730.00	\$0.00	\$10,633.75	\$10,633.75	\$319,096.25	3%
63.1	\$20,050.00	\$0.00	\$0.00	\$0.00	\$20,050.00	0%
63.2	\$12,030.00	\$335.00	\$0.00	\$335.00	\$11,695.00	3%
63.3	\$8,915.00	\$0.00	\$0.00	\$0.00	\$8,915.00	0%
Total	\$2,436,117.00	\$335.00	\$141,191.98	\$141,526.98	\$2,294,590.02	6%

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1 through 10 is complete.

4 Outstanding Issues to be Coordinated

None



Remit to: T 800.426.4262
 PO Box 55008 T 207.774.2112
 Boston, MA 02205-5008 F 207.774.6635

INVOICE

TD BANK
Electronic Transfer:
 ⑆ 211274450 ⑆ 2427662596 ⑆*

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

August 24, 2023
 Project No: 0011078.01
 Invoice No: 223398

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending July 28, 2023

Phase 054 FY 23/24 STAKEHOLDER/BOARD AND OUTREACH ENGAGEMENT SUPPORT

Professional Personnel

	Hours	Rate	Amount
Designer			
Fox, Adam	.25	200.00	50.00
Project Planner 1			
Eggleton, Charles	5.50	265.00	1,457.50
Senior Project Manager			
Van Lienden, Brian	25.00	335.00	8,375.00
Totals	30.75		9,882.50
Labor Total			9,882.50

Reimbursable

Vehicle Expenses			
7/13/2023 Van Lienden, Brian		Cuyama Basin GSA Board Meeting 265.57mi @ .585	155.36
Travel & Lodging			
7/11/2023 Van Lienden, Brian		Cuyama Basin GSA Board Meeting	161.10
7/11/2023 Van Lienden, Brian		Cuyama Basin GSA Board Meeting	19.64
7/12/2023 Van Lienden, Brian		Cuyama Basin GSA Board Meeting	19.32

Project	0011078.01	CUYAMA GSP	Invoice	223398
7/12/2023	Van Lienden, Brian	Cuyama Basin GSA Board Meeting	158.40	
7/13/2023	Van Lienden, Brian	Cuyama Basin GSA Board Meeting	36.00	
Reimbursable Total			1.1 times	549.82
				604.80
Consultant				
Sub - Consultant Miscellaneous				
7/28/2023	THE CATALYST GROUP	THE CATALYST GROUP Inv #797	1,445.00	
Consultant Total			1.1 times	1,445.00
				1,589.50
Total this Phase				\$12,076.80

Phase 055 FY 23/24 GRANT ADMIN

Professional Personnel

	Hours	Rate	Amount
Planner 3			
Valenzuela, George	1.75	250.00	437.50
Senior Project Manager			
Van Lienden, Brian	22.00	335.00	7,370.00
Totals	23.75		7,807.50
Labor Total			7,807.50
Total this Phase			\$7,807.50

Phase 056 FY 23/24 ONGOING MONITORING SUPPORT AND ENHANCEMENTS

Professional Personnel

	Hours	Rate	Amount
Engineer 1			
Camille, Adrien	4.50	200.00	900.00
Project Assistant			
Hodgens, Jennifer	1.75	130.00	227.50
Project Engineer 1			
Lucy, Caleb	2.50	265.00	662.50

Project	0011078.01	CUYAMA GSP	Invoice	223398
Project Planner 1				
	Eggleton, Charles	6.50	265.00	1,722.50
	Totals	15.25		3,512.50
	Labor Total			3,512.50
Reimbursable				
Miscellaneous				
7/28/2023	Strandberg, James		Encroachment Permit Application Fee (GDE)	652.46
Field Equipment				
7/28/2023	GEOTECH ENVIRONMENTAL EQUIPMENT		Field Equipment: Tubing, flow meter, filters	2,954.66
Application Fees & Expenses				
7/28/2023	VENTURA COUNTY PUBLIC WORKS AGENCY		Monitoring Well Permit Application Fee (MW-F)	470.00
7/28/2023	VENTURA COUNTY PUBLIC WORKS AGENCY		Monitoring Well Permit Application Fee (GDE-4)	470.00
	Reimbursable Total		1.1 times	4,547.12
				5,001.83
			Total this Phase	\$8,514.33

Phase 057 FY 23/24 PROJECT & MANAGEMENT ACTION IMPLEMENTATION

Professional Personnel

	Hours	Rate	Amount
Engineer 1			
Hunt, Devin	30.50	200.00	6,100.00
Engineer 3			
Wu, Yi-Shan	17.00	250.00	4,250.00
Project Assistant			
Sentz-Casas, Christine	.75	130.00	97.50
Project Planner 1			
Eggleton, Charles	14.25	265.00	3,776.25
O'Callaghan, Ariel	.75	265.00	198.75
Senior Project Manager			
Van Lienden, Brian	20.00	335.00	6,700.00
Technical Manager 1			
Ceyhan, Mahmut	86.00	300.00	25,800.00

Project	0011078.01	CUYAMA GSP	Invoice	223398
Senior Technical Leader				
	Taghavi, Ali		9.00	345.00
			3,105.00	
	Totals		178.25	50,027.50
	Labor Total			50,027.50

Reimbursable

Vehicle Expenses				
7/19/2023	Ceyhan, Mahmut	Field Visit for Modeling Study 802.80mi @ .585		469.64
Travel & Lodging				
7/17/2023	Ceyhan, Mahmut	Field Visit for Modeling Study		290.02
Meals				
7/17/2023	Ceyhan, Mahmut	Field Visit for Modeling Study		88.23
7/18/2023	Ceyhan, Mahmut	Field Visit for Modeling Study		54.15
	Reimbursable Total		1.1 times	902.04
				992.24
			Total this Phase	\$51,019.74

Phase 058 FY 23/24 GSP IMPLEMENTATION, OUTREACH, AND COMPLIANCE ACTIVITIES

Professional Personnel

		Hours	Rate	Amount
Engineer 1				
	Camille, Adrien	1.00	200.00	200.00
Project Planner 1				
	Eggleton, Charles	15.25	265.00	4,041.25
	O'Callaghan, Ariel	4.25	265.00	1,126.25
Senior Project Manager				
	Strandberg, James	.75	335.00	251.25
	Van Lienden, Brian	8.50	335.00	2,847.50
	Totals	29.75		8,466.25
	Labor Total			8,466.25
			Total this Phase	\$8,466.25

Phase 059 FY 23/24 PREPARE 5 YEAR GSP UPDATE

Project 0011078.01 CUYAMA GSP Invoice 223398

Professional Personnel

	Hours	Rate	Amount	
Designer				
Li Guan, Javier	23.00	200.00	4,600.00	
Engineer 1				
Camille, Adrien	2.00	200.00	400.00	
Project Assistant				
Hodgens, Jennifer	3.50	130.00	455.00	
Project Planner 1				
Eggleton, Charles	13.50	265.00	3,577.50	
O'Callaghan, Ariel	19.50	265.00	5,167.50	
Senior Project Manager				
Long, Jeanna	4.00	335.00	1,340.00	
Strandberg, James	68.00	335.00	22,780.00	
Van Lienden, Brian	10.50	335.00	3,517.50	
Totals	144.00		41,837.50	
Labor Total				41,837.50

Reimbursable

Vehicle Expenses				
7/17/2023 Strandberg, James Site Visit 336mi @ .585			196.50	
7/18/2023 Strandberg, James Site Visit 363mi @ .585			212.88	
Travel & Lodging				
7/17/2023 Strandberg, James Site Visit			290.02	
Meals				
7/18/2023 Strandberg, James Site Visit			53.03	
Field Supplies				
7/18/2023 Strandberg, James Site Visit			7.67	
Reimbursable Total		1.1 times	760.10	836.11
		Total this Phase		\$42,673.61

Phase 062 FY 23/24 PERFORM FAULT INVESTIGATION

Professional Personnel

	Hours	Rate	Amount
Engineer 1			
Camille, Adrien	2.50	200.00	500.00

Project	0011078.01	CUYAMA GSP			Invoice	223398
	Senior Project Manager					
	Strandberg, James		30.25	335.00	10,133.75	
	Totals		32.75		10,633.75	
	Labor Total					10,633.75
					Total this Phase	\$10,633.75
					Total this Invoice	\$141,191.98

Outstanding Invoices

Number	Date	Balance
221891	7/20/2023	77,479.49
Total		77,479.49

	Current Fee	Previous Fee	Total
Project Summary	141,191.98	4,676,329.58	4,817,521.56

Approved by:



 Brian Van Lienden
 Senior Project Manager
 Woodard & Curran

The Catalyst Group, Inc.
 25 Brushwood Lane
 Greenbrae, CA 94904
 +1 4155242080
 Charles@CatalystGroupCA.com
 www.CatalystGroupCA.com

**BILL TO**

Brian Van Lienden
 Woodard & Curran
 801 T Street
 Sacramento, CA 95811

INVOICE 797**DATE 08/04/2023 TERMS Net 90****DUE DATE 11/02/2023**

DATE	ACCOUNT SUMMARY	AMOUNT
07/06/2023	Balance Forward	493.75
	Other payments and credits after 07/06/2023 through 08/03/2023	0.00
08/04/2023	Other invoices from this date	0.00
	New charges (details below)	1,445.00
	Total Amount Due	1,938.75

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
07/06/2023	Task 10-Pope	SAC meeting	4:00	170.00	680.00
07/12/2023	Task 10-Pope	Board meeting	4:15	170.00	722.50
07/31/2023	Task 10-Pope	Emails	0:15	170.00	42.50

TOTAL OF NEW
 CHARGES 1,445.00

TOTAL DUE \$1,938.75



MonthlyProgressReport-July2023

To: Brian Van Lienden

From: Aaron Pope

Date: August 4, 2023

Re: July 2023 Progress Report

The following summarizes the Catalyst activities for the Cuyama Groundwater Sustainability Plan for the month of July 2023.

Work Completed

- Attended SAC and Board meetings as requested.

Work Planned for Next Month

- Assist in planning and outreach for upcoming workshops.
- Attend Board and SAC meetings as requested.

Issues for Resolution

- None.



TO: Board of Directors
Agenda Item No. 7

FROM: Taylor Blakslee, Hallmark Group

DATE: September 6, 2023

SUBJECT: Approval of Financial Reports for June and July 2023

Recommended Motion

Approve financial reports for June and July 2023.

Discussion

The Cuyama Basin Groundwater Sustainability Agency's financial report for June 2023 are provided as Attachment 1 is provided as Attachment 2 is financial report for July 2023.

The reports include:

- Statement of Financial Position
- Receipts and Disbursements
- A/R Aging Summary
- A/P Aging Summary
- Statement of Operations with Budget Variance
- 2022/2023 Operating Budget



Cuyama Basin GSA

Financial Statements June 2023

CUYAMA BASIN GSA
Statement of Financial Position
As of June 30, 2023

	Jun 30, 23	Jun 30, 22	\$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	2,162,299	2,055,848	106,451	5%
Total Checking/Savings	2,162,299	2,055,848	106,451	5%
Accounts Receivable				
Accounts Receivable	792,147	279,604	512,543	183%
Total Accounts Receivable	792,147	279,604	512,543	183%
Other Current Assets				
Grant Retention Receivable	0	23,708	-23,708	-100%
Total Other Current Assets	0	23,708	-23,708	-100%
Total Current Assets	2,954,446	2,359,160	595,286	25%
TOTAL ASSETS	2,954,446	2,359,160	595,286	25%
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	339,633	396,114	-56,482	-14%
Total Accounts Payable	339,633	396,114	-56,482	-14%
Other Current Liabilities				
New/Repl Well Deposits	1,559	0	1,559	100%
Deferred Revenue - GWE Fees	530,133	847,745	-317,613	-38%
Total Other Current Liabilities	531,691	847,745	-316,054	-37%
Total Current Liabilities	871,324	1,243,860	-372,535	-30%
Total Liabilities	871,324	1,243,860	-372,535	-30%
Equity				
Unrestricted Net Assets	1,115,300	763,431	351,869	46%
Net Income	967,821	351,869	615,952	175%
Total Equity	2,083,122	1,115,300	967,821	87%
TOTAL LIABILITIES & EQUITY	2,954,446	2,359,160	595,286	25%

CUYAMA BASIN GSA
Receipts and Disbursements
As of June 30, 2023

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Bill Pmt -Check	07/06/2022	1108	HGCPM, Inc.		56,982.88
Bill Pmt -Check	07/06/2022	1109	Klein DeNatale Goldner		14,654.61
Bill Pmt -Check	07/06/2022	1110	Woodard & Curran Inc		186,637.84
Payment	07/07/2022	2093	Groundwater Extraction Fees:Tri-County Pistachios	34,654.10	
Payment	07/07/2022	4157	Groundwater Extraction Fees:Sunrise Olive Ranch, LLC	73,140.12	
Payment	07/07/2022	20526	Groundwater Extraction Fees:Cuyama Orchards, Inc	36,720.05	
Payment	07/07/2022	3031	Groundwater Extraction Fees:Harrington Farms	4,218.00	
Payment	08/02/2022	655	Groundwater Extraction Fees:Lewis, David	1,624.12	
Payment	08/12/2022	1002107539	Groundwater Extraction Fees:Cuyama Orchards, Inc	175.56	
Payment	08/12/2022	501659	Groundwater Extraction Fees:E & B Natural Resources Mgmt Corp	874.47	
Payment	08/30/2022	167	Groundwater Extraction Fees:Lee, Jennifer	3,444.38	
Deposit	08/30/2022			9.06	
Bill Pmt -Check	09/07/2022	1111	HGCPM, Inc.		48,709.28
Bill Pmt -Check	09/07/2022	1112	Klein DeNatale Goldner		18,759.40
Bill Pmt -Check	09/07/2022	1113	Woodard & Curran Inc		151,031.80
Payment	10/04/2022	459731	Grimmway	218.97	
Payment	10/04/2022	331457	Groundwater Extraction Fees:Lear Real Estate Ent LLC	21,951.07	
Deposit	11/01/2022			0.80	
Bill Pmt -Check	11/03/2022	1114	Daniells Phillips Vaughan & Bock	0.00	
Bill Pmt -Check	11/03/2022	1115	HGCPM, Inc.	0.00	
Bill Pmt -Check	11/03/2022	1116	Klein DeNatale Goldner	0.00	
Bill Pmt -Check	11/03/2022	1117	Provost & Pritchard Consulting Group	0.00	
Bill Pmt -Check	11/03/2022	1118	U.S. Geological Survey	0.00	
Bill Pmt -Check	11/03/2022	1119	Woodard & Curran Inc	0.00	
Bill Pmt -Check	12/12/2022	1120	Daniells Phillips Vaughan & Bock		7,000.00
Bill Pmt -Check	12/12/2022	1121	HGCPM, Inc.		94,657.06
Bill Pmt -Check	12/12/2022	1122	Klein DeNatale Goldner		22,599.50
Bill Pmt -Check	12/12/2022	1123	Provost & Pritchard Consulting Group		44,589.02
Bill Pmt -Check	12/12/2022	1124	U.S. Geological Survey		39,450.00
Bill Pmt -Check	12/12/2022	1125	Woodard & Curran Inc		238,023.71
Payment	12/23/2022	785326	Groundwater Extraction Fees:Cuyama Orchards, Inc	868.27	
Payment	01/10/2023	1002126846	Groundwater Extraction Fees:Cuyama Orchards, Inc	19,813.08	
Bill Pmt -Check	01/12/2023	1126	Daniells Phillips Vaughan & Bock		1,000.00
Bill Pmt -Check	01/12/2023	1127	HGCPM, Inc.		22,532.00
Bill Pmt -Check	01/12/2023	1128	Klein DeNatale Goldner		13,132.00
Bill Pmt -Check	01/12/2023	1129	Provost & Pritchard Consulting Group		598.50
Bill Pmt -Check	01/12/2023	1130	Woodard & Curran Inc		63,128.50
Bill Pmt -Check	03/29/2023	1131	CA Assoc of Mutual Water Companies		100.00
Bill Pmt -Check	03/29/2023	1132	Daniells Phillips Vaughan & Bock		450.00
Bill Pmt -Check	03/29/2023	1133	HGCPM, Inc.		62,144.46
Bill Pmt -Check	03/29/2023	1134	Klein DeNatale Goldner		22,102.00
Bill Pmt -Check	03/29/2023	1135	Provost & Pritchard Consulting Group	0.00	
Bill Pmt -Check	03/29/2023	1136	U.S. Geological Survey		13,150.00
Bill Pmt -Check	03/29/2023	1137	Woodard & Curran Inc		250,923.16
Bill Pmt -Check	03/29/2023	1138	Provost & Pritchard Consulting Group		7,887.76
Payment	04/28/2023	1002145575	Groundwater Extraction Fees:Cuyama Orchards, Inc	19,809.23	
Payment	04/28/2023	04282023	Groundwater Extraction Fees:Cuyama Orchards, Inc	868.13	
Bill Pmt -Check	05/03/2023	1139	HGCPM, Inc.		42,112.25
Bill Pmt -Check	05/03/2023	1140	Insurica		14,498.00
Bill Pmt -Check	05/03/2023	1141	Klein DeNatale Goldner		7,661.00
Bill Pmt -Check	05/03/2023	1142	Provost & Pritchard Consulting Group		1,142.78
Bill Pmt -Check	05/03/2023	1143	U.S. Geological Survey		13,150.00
Bill Pmt -Check	05/03/2023	1144	Woodard & Curran Inc		138,440.25
Payment	05/18/2023	52093	Groundwater Extraction Fees:Cuyama Dairy Farm	35,144.68	
Payment	05/26/2023	2727	Groundwater Extraction Fees:Kooros Samadzadeh	92.88	
Payment	05/26/2023	20778	Groundwater Extraction Fees:Lear Real Estate Ranch, Inc	4,289.40	
Payment	05/26/2023	05-127748	Department of Water Resources	683,230.11	
Deposit	06/01/2023			2,400.00	
Payment	06/02/2023	60375	Groundwater Extraction Fees:Feinstein Investments	615.96	
Payment	06/02/2023	82921	Groundwater Extraction Fees:H Lima Company	28.92	
Payment	06/02/2023	18801	Groundwater Extraction Fees:Triangle E. Farms	2,811.24	
Payment	06/02/2023	806681470	Groundwater Extraction Fees:Ceferino, Cheng	1,910.88	
Payment	06/02/2023	1523	Groundwater Extraction Fees:Brodiaea, Inc	10,031.64	
Payment	06/02/2023	285	Groundwater Extraction Fees:Lucky Dog Ranch, LLC	4,131.00	
Payment	06/02/2023	188	Groundwater Extraction Fees:The Ranch	222.00	
Payment	06/02/2023	307	Groundwater Extraction Fees:Lee, Jennifer	251.16	
Payment	06/07/2023	165774	Groundwater Extraction Fees:Kern Ridge Growers, LLC	36,398.60	
Payment	06/07/2023	338160	Groundwater Extraction Fees:Bolthouse Land Co, LLC	135,804.36	
Payment	06/07/2023	338160	Groundwater Extraction Fees:Lear Real Estate Ent LLC	5,914.92	
Payment	06/07/2023	338160	Groundwater Extraction Fees:Belden Family Trust	7,024.20	
Payment	06/07/2023	480547	Groundwater Extraction Fees:Grimmway Enterprises, Inc	206,559.24	
Payment	06/07/2023	05-139910	Department of Water Resources	288,293.26	

CUYAMA BASIN GSA
Receipts and Disbursements
As of June 30, 2023

Type	Date	Num	Name	Debit	Credit
Payment	06/16/2023	2229	Groundwater Extraction Fees:Tri-County Pistachios	22,512.00	
Payment	06/19/2023	1019	Groundwater Extraction Fees:Karam Pistachio Farm	3,666.24	
Payment	06/19/2023	1299	Groundwater Extraction Fees:Harrington, Roy	1,528.64	
Payment	06/19/2023	8246	Groundwater Extraction Fees:Harrington, Roy	1,528.64	
Payment	06/19/2023	2662	Groundwater Extraction Fees:Harrington, Roy	1,528.64	
Payment	06/19/2023	514809	Groundwater Extraction Fees:E & B Natural Resources Mgmt Corp	257.28	
Payment	06/22/2023	109384	Groundwater Extraction Fees:Sunridge Nurseries, Inc	13,694.64	
Payment	06/22/2023	10016	Groundwater Extraction Fees:JHP Global, Inc	4,164.24	
Payment	06/22/2023	12271	Groundwater Extraction Fees:Cuyama Community Srvc Dist	1,437.24	
Payment	06/28/2023	384	Groundwater Extraction Fees:Bosma and Ricci	163.44	
Payment	06/28/2023	3244	Groundwater Extraction Fees:Harrington Farms	1,630.08	
Payment	06/28/2023	745	Groundwater Extraction Fees:Lewis, David	362.28	
Payment	06/28/2023	52222	Groundwater Extraction Fees:Cuyama Dairy Farm	7,584.48	
Payment	06/28/2023	2099	Groundwater Extraction Fees:Caliente Ranch	57.24	
Deposit	06/28/2023			38.81	
Deposit	06/30/2023			0.60	
Total Chase - General Checking				1,703,698.35	1,597,247.76
TOTAL				1,703,698.35	1,597,247.76

**CUYAMA BASIN GSA
A/R Aging Summary
As of June 30, 2023**

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	344,359	0	0	0	391,358	735,717
Groundwater Extraction Fees						
Cuyama Orchards, Inc	0	0	12,683	0	2,499	15,181
Highland Vineyard SB, LLC	0	0	20,109	0	0	20,109
Sunrise Olive Ranch, LLC	0	0	21,139	0	0	21,139
Total Groundwater Extraction Fees	0	0	53,931	0	2,499	56,430
TOTAL	344,359	0	53,931	0	393,856	792,147

CUYAMA BASIN GSA
A/P Aging Summary
As of June 30, 2023

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
HGCPM, Inc.	25,589	16,607	0	15,100	0	57,297
Klein DeNatale Goldner	2,691	8,009	0	10,226	0	20,925
Provost & Pritchard Consulting Group	1,372	2,005	0	6,239	0	9,616
U.S. Geological Survey	13,150	0	0	0	0	13,150
Woodard & Curran Inc	77,479	66,055	0	95,109	0	238,644
TOTAL	120,281	92,676	0	126,675	0	339,633

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
 July 2022 through June 2023

	Jul '22 - Jun 23	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Direct Public Funds				
Groundwater Extraction Fees	1,034,916	1,064,000	-29,084	97%
Grant Reimbursements	1,470,162	3,731,550	-2,261,388	39%
GWE Late Fees	2,451	0	2,451	100%
Total Direct Public Funds	2,507,528	4,795,550	-2,288,022	52%
Total Income	2,507,528	4,795,550	-2,288,022	52%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Monitoring Network Enhancements	183,822	125,000	58,822	147%
GSP Implementation - W&C	173,720	275,000	-101,280	63%
Stakeholder Engagement	144,002	109,000	35,002	132%
Technical Support for DWR	0	20,000	-20,000	0%
Outreach	2,711	36,667	-33,956	7%
Grant Administration	99,736	100,000	-264	100%
Basin Water Use Surveys	66,594	155,000	-88,406	43%
Project & Mgmt Action Impl	301,402	226,000	75,402	133%
Total Technical Consulting	971,986	1,046,667	-74,681	93%
Other Technical Consulting				
Monitoring Network	123,009	137,500	-14,491	89%
Total Other Technical Consulting	123,009	137,500	-14,491	89%
Total Program Expenses	1,094,996	1,184,167	-89,171	92%
Total COGS	1,094,996	1,184,167	-89,171	92%
Gross Profit	1,412,533	3,611,383	-2,198,851	39%
Expense				
General and Administrative				
GSA Executive Director				
GSA BOD Meetings	131,156	111,395	19,761	118%
Consult Mgmt and GSP Devel	52,531	73,351	-20,820	72%
Financial Information Coor	35,106	51,357	-16,251	68%
Support for DWR/Public Comments	5,994	18,217	-12,223	33%
Funding Process (GWE Fee)	12,281	5,562	6,719	221%
CBGSA Outreach	13,181	10,721	2,460	123%
Adjudication Support	2,206	1,935	271	114%
Management Area Admin	32,594	11,768	20,826	277%
Travel and Direct Costs	11,105	5,694	5,411	195%
Total GSA Executive Director	296,155	290,000	6,155	102%
Other Administrative				
Legal	95,444	100,000	-4,556	95%
Insurance - D&O and General	14,498	14,000	498	104%
Auditing/Accounting Fees	8,450	9,800	-1,350	86%
Grant Proposals	24,944	42,000	-17,056	59%
Printing and Copying	5,110	0	5,110	100%
Other Admin Expense	111	200	-89	56%
Contingency	0	20,000	-20,000	0%
Total Other Administrative	148,556	186,000	-37,444	80%
Total General and Administrative	444,711	476,000	-31,289	93%
Total Expense	444,711	476,000	-31,289	93%
Net Ordinary Income	967,821	3,135,383	-2,167,562	31%
Net Income	967,821	3,135,383	-2,167,562	31%



Cuyama Basin GSA

Financial Statements

July 2023

CUYAMA BASIN GSA
Statement of Financial Position
As of July 31, 2023

	Jul 31, 23	Jul 31, 22	\$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	1,996,878	1,946,305	50,573	3%
Total Checking/Savings	1,996,878	1,946,305	50,573	3%
Accounts Receivable				
Accounts Receivable	738,216	105,014	633,202	603%
Total Accounts Receivable	738,216	105,014	633,202	603%
Total Current Assets	2,735,094	2,051,319	683,775	33%
TOTAL ASSETS	2,735,094	2,051,319	683,775	33%
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	290,910	250,350	40,560	16%
Total Accounts Payable	290,910	250,350	40,560	16%
Other Current Liabilities				
New/Repl Well Deposits	1,559	0	1,559	100%
Total Other Current Liabilities	1,559	0	1,559	100%
Total Current Liabilities	292,469	250,350	42,119	17%
Total Liabilities	292,469	250,350	42,119	17%
Equity				
Unrestricted Net Assets	2,083,122	1,115,300	967,821	87%
Net Income	359,504	685,669	-326,165	-48%
Total Equity	2,442,625	1,800,970	641,656	36%
TOTAL LIABILITIES & EQUITY	2,735,094	2,051,319	683,775	33%

CUYAMA BASIN GSA
Receipts and Disbursements
As of July 31, 2023

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Payment	07/07/2023	4397	Groundwater Extraction Fees:Sunrise Olive Ranch, LLC	21,138.84	
Bill Pmt -Check	07/12/2023	1145	HGCPM, Inc.		31,707.72
Bill Pmt -Check	07/12/2023	1146	Klein DeNatale Goldner		18,234.50
Bill Pmt -Check	07/12/2023	1147	Provost & Pritchard Consulting Group		6,239.42
Bill Pmt -Check	07/12/2023	1148	Woodard & Curran Inc		161,164.95
Bill Pmt -Check	07/12/2023	1149	Provost & Pritchard Consulting Group		2,005.00
Payment	07/14/2023	21532	Groundwater Extraction Fees:Cuyama Orchards, Inc	12,682.80	
Payment	07/14/2023	1867	Groundwater Extraction Fees:Highland Vineyard SB, LLC	20,109.36	
Total Chase - General Checking				53,931.00	219,351.59
TOTAL				53,931.00	219,351.59

CUYAMA BASIN GSA
A/R Aging Summary
As of July 31, 2023

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	0	0	344,359	0	391,358	735,717
Groundwater Extraction Fees						
Cuyama Orchards, Inc	0	0	0	0	2,499	2,499
Total Groundwater Extraction Fees	0	0	0	0	2,499	2,499
TOTAL	0	0	344,359	0	393,856	738,216

CUYAMA BASIN GSA
A/P Aging Summary
As of July 31, 2023

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
HGCPM, Inc.	16,838	0	25,589	0	0	42,427
Klein DeNatale Goldner	6,092	0	2,691	0	0	8,782
Provost & Pritchard Consulting Group	6,508	0	1,372	0	0	7,880
U.S. Geological Survey	0	0	13,150	0	0	13,150
Woodard & Curran Inc	141,192	0	77,479	0	0	218,671
TOTAL	<u>170,629</u>	<u>0</u>	<u>120,281</u>	<u>0</u>	<u>0</u>	<u>290,910</u>

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
July 2023

	Jul 23	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Direct Public Funds				
Groundwater Extraction Fees	530,133	530,133	-0	100%
Total Direct Public Funds	530,133	530,133	-0	100%
Total Income	530,133	530,133	-0	100%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Monitoring Network Enhancements	8,514	23,166	-14,652	37%
GSP Implementation - W&C	8,466	17,500	-9,034	48%
Stakeholder Engagement	12,077	11,000	1,077	110%
Technical Support for DWR	0	1,330	-1,330	0%
Outreach	0	2,554	-2,554	0%
Grant Proposals	0	3,500	-3,500	0%
Grant Administration	7,808	8,330	-523	94%
Improve Basin Water Use Info	0	8,500	-8,500	0%
Project & Mgmt Action Impl	51,020	16,750	34,270	305%
5 Year GSP Update - Technical	42,674	57,370	-14,696	74%
Fault Investigation	10,634	10,000	634	106%
Well Permit Review - Technical	0	1,000	-1,000	0%
Total Technical Consulting	141,192	161,000	-19,808	88%
Other Technical Consulting				
Monitoring Network	6,508	23,250	-16,742	28%
Total Other Technical Consulting	6,508	23,250	-16,742	28%
Total Program Expenses	147,700	184,250	-36,550	80%
Total COGS	147,700	184,250	-36,550	80%
Gross Profit	382,433	345,883	36,550	111%
Expense				
General and Administrative				
GSA Executive Director				
GSA BOD Meetings	10,150	9,284	866	109%
Consult Mgmt and GSP Devel	5,500	6,111	-611	90%
Financial Information Coord	850	4,277	-3,427	20%
Funding Process (GWE Fee)	38	464	-427	8%
CBGSA Outreach	300	890	-590	34%
Adjudication Support	0	161	-161	0%
Management Area Admin	0	981	-981	0%
5-Year GSP Update - Admin	0	1,519	-1,519	0%
Water Use Enforcement	0	2,115	-2,115	0%
Well Permit Review - Admin	0	165	-165	0%
Travel and Direct Costs	0	475	-475	0%
Total GSA Executive Director	16,838	26,442	-9,605	64%
Other Administrative				
Legal	6,092	16,663	-10,572	37%
Contingency	0	1,663	-1,663	0%
Total Other Administrative	6,092	18,326	-12,235	33%
Total General and Administrative	22,929	44,768	-21,839	51%
Total Expense	22,929	44,768	-21,839	51%
Net Ordinary Income	359,504	301,115	58,389	119%
Net Income	359,504	301,115	58,389	119%

CUYAMA BASIN GSA
FY 23/24 Budget Overview
 July 2023 - June 2024

	Jul '23 - Jun 24
Ordinary Income/Expense	
Income	
Direct Public Funds	
Groundwater Extraction Fees	530,133
Grant Reimbursements	4,221,424
Total Direct Public Funds	4,751,557
Total Income	4,751,557
Cost of Goods Sold	
Program Expenses	
Technical Consulting	
Monitoring Network Enhancements	2,443,000
GSP Implementation - W&C	210,000
Stakeholder Engagement	132,000
Technical Support for DWR	16,000
Outreach	30,667
Grant Proposals	42,000
Grant Administration	100,000
Basin Water Use Surveys	102,000
Project & Mgmt Action Impl	491,000
5 Year GSP Update - Technical	688,450
Fault Investigation	330,000
Well Permit Review - Technical	12,000
Total Technical Consulting	4,597,117
Other Technical Consulting	
Monitoring Network	68,000
Stream Gauge Maintenance	56,650
Total Other Technical Consulting	124,650
Total Program Expenses	4,721,767
Total COGS	4,721,767
Gross Profit	29,790
Expense	
General and Administrative	
GSA Executive Director	
GSA BOD Meetings	111,397
Consult Mgmt and GSP Devel	73,351
Financial Information Coord	51,357
Funding Process (GWE Fee)	5,562
CBGSA Outreach	10,721
Adjudication Support	1,932
Management Area Admin	11,772
5-Year GSP Update - Admin	18,217
Water Use Enforcement	25,400
Well Permit Review - Admin	2,000
Travel and Direct Costs	5,691
Total GSA Executive Director	317,400
Other Administrative	
Legal	200,000
Insurance - D&O and General	16,603
Auditing/Accounting Fees	10,000
Other Admin Expense	200
Contingency	20,000
Total Other Administrative	246,803
Total General and Administrative	564,203
Total Expense	564,203
Net Ordinary Income	-534,413
Net Income	-534,413



TO: Board of Directors
Agenda Item No. 8

FROM: Jim Beck / Brian Van Lienden

DATE: September 6, 2023

SUBJECT: Groundwater Sustainability Plan Amendment Components

Recommended Motion

Provide feedback on each Groundwater Sustainability Plan Amendment (GSP) component.

Discussion

On July 12, 2023, the Cuyama Basin Groundwater Sustainability Agency Board of Directors reviewed a schedule for updating the Groundwater Sustainability Plan ahead of the January 2025 deadline. In accordance with the schedule, staff prepared the following GSP components for discussion and appropriate action by the Board which is provided as Attachment 1.

- a. Discuss and Take Appropriate Action on Pumping Reduction Implementation
- b. Discuss and Take Appropriate Action on Basin-Wide Pumping Restrictions
- c. Discuss and Take Appropriate Action on Central Management Area Boundary
- d. Discuss and Take Appropriate Action on Groundwater Levels Monitoring Network
- e. Discuss and Take Appropriate Action on Groundwater Storage Monitoring Network
- f. Discuss and Take Appropriate Action on Sustainable Management Criteria and Undesirable Results Definitions for Groundwater Levels
- g. Discuss and Take Appropriate Action on Sustainable Management Criteria and Undesirable Results Definitions for Groundwater Storage

Cuyama Basin Groundwater Sustainability Agency

8. Groundwater Sustainability Plan Amendment Components

September 6, 2023

Items 6a through 6g

Background

- Review GSP Update and Board Policy Discussions Schedule
- Key Policy Items
 - Pumping Reduction Program
 - Basin-Wide Pumping Restrictions
 - Central Management Area (CMA) Boundary
 - Groundwater Levels Monitoring Network
 - Groundwater Storage Monitoring Network
 - Groundwater Levels Sustainable Management Criteria and Undesirable Results Definitions
 - Groundwater Storage Sustainable Management Criteria and Undesirable Results Definitions

GSP Update and Board Policy Discussions Schedule

	1	2	3	4	5	6	7	8	9	10	
	2023			2024							2025
	July	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	
Board Direction:	Finalize: Feedback on engagement strategy	Basin-wide pumping restrictions/Central Management Area (CMA) boundary Finalize: Groundwater (GW) levels & storage monitoring networks GW levels & storage sustainable management criteria (SMC) and undesirable results (UR) criteria options Allocation methodology	Finalize: Subsidence, Interconnected surface water (ISW), and water quality (WQ) monitoring networks GW subsidence ISW, and WQ SMC and UR options Glidepath methodology	Finalize: GW levels, storage, subsidence, ISW, WQ SMC and UR	Project and Management Action (PMA) options Sustainable yield (SY) methodology Issue 90-Day Notice	Finalize: <ul style="list-style-type: none"> Basin-wide Pumping Restrictions/MA Boundary (updated model) Allocation methodology Glidepath methodology PMA options SY approach 		Review Public draft	**Public Hearing to adopt Amended GSP		
GSP Chapter Review:				Ch 1. Agency Info/Plan Area Ch 4. Monitoring Network		Ch 2. Basin Setting Ch 3. URs Ch 5. SMCs	Ch 6. DMS Ch 7. PMAs	Ch 8. Plan Implementation Executive Summary			
Public Workshop		✓			✓			✓			

Cuyama Basin Groundwater Sustainability Agency

8a. Discuss and Make Appropriate Recommendation on Pumping Reduction Implementation

Alex Dominguez / Taylor Blakslee

September 6, 2023

Lessons Learned & the Path Forward

SGMA & Water Rights

- Groundwater management under SGMA must be consistent with section 2 of article X of the California Constitution regarding the reasonable and beneficial use of water
- Nothing in SGMA, or in any groundwater management plan adopted under SGMA, determines or alters surface water rights or groundwater rights
- (Wat. Code § 10720.5.)

CBGSA GSP

- “The CBGSA would develop allocations based on estimated historical use, existing land uses, and total irrigated acreage.”
- “The CBGSA would determine historical use by analyzing data about water use during the 20-year historical period from 1998 to 2017...”
- “Water use would be estimated either using remote sensing and land use data to estimate agricultural consumption or from data provided by pumpers in the Basin, including private pumpers and water agencies.”

Existing Methodology

- **Allocation Methodology:**
 - Allocation implementation: Calendar years 2023 and 2024
 - Applied to: Central Management Area (CMA) + Farming Units
 - Baseline Allocation Amount: 2021 modeled water use in the CMA excluding CCSD metered use and residential pumping (estimated by model)
 - Sustainable Yield: Calculated by the model for the CMA (including Farm Units)
 - Allocation Methodology: estimated historic water use averaged from the 1998-2017 Water Year period for each parcel in the CMA¹

¹Water use estimates for each parcel in the CMA were calculated using the updated CBWRM model version 0.20. These estimates are based on the CBWRM inputs using the best available data and include evapotranspiration and land use time series, parameters representing soil hydraulic properties and irrigation practices. For the land use time series, available local crop data is used as the main source and data gaps were filled by the datasets provided by Land IQ. Evapotranspiration time series was estimated using remote sensing by David's Engineering. Soil and irrigation practice related parameters were calibrated by David's Engineering to represent soil drainage conditions and irrigation efficiencies in the Cuyama Valley. Using all of this information, CBWRM land surface component dynamically simulates soil moisture routing in the entire model domain on a daily time step and calculates the estimated applied water amount required to maintain the soil moisture levels as needed by the crops.

Existing Methodology

- **Administrative policy (adopted on January 18, 2023):**
 - The CBGSA will develop a water allocation for each parcel in the CMA and part of a “Farming Unit”
 - Each landowner/operator must submit monthly meter readings for the preceding year by January 31st according to the CBGSA meter reporting instructions (provided at www.cuyamabasin.org)
 - Each landowner must list the APNs the well served and how many acre-feet of water was used on each APN as listed in the water use reporting forms
 - Staff will develop a water accounting to report at the March Board meeting to confirm annual pumping reduction goals are met for the net water use for landowners/operators
- **Penalty Fees/Enforcement (adopted July 6, 2022):**
 - If a landowner/farming unit does not meet their annual pumping reduction target (allocation), any and all over-pumped water will be debited against that landowner’s allocation for the following year. Additional over-pumping will carry a tiered financial penalty as follows:
 - Tier 1: 5 percent over pumping = \$250/acre-foot
 - Tier 2: >5 percent pumping = \$500/acre-foot
 - These penalties fees for over-pumping will be invoiced in March and be due by May 1st of each year and any penalty fees collected will be used for projects in the CMA. If a landowner over-pumps 20% or more of his or her allocation in any given year, the CBGSA may consider legal action

Lessons Learned from 2023 Allocation

- Management Area Boundaries
- Farming Units
- Entities to Exclude from Pumping Restrictions
- Model Pumping Data vs. Actual Pumping Data
- Variance Requests



Management Area Boundaries

- **STAKEHOLDER FEEDBACK:** During the variance process, CBGSA staff heard complaints claiming that the CMA boundary is arbitrary and that it is unfair that landowners outside of the CMA boundary can continue to pump without restriction

- **OPTIONS TO ADDRESS FEEDBACK:**
 1. Continue using the same CMA boundary and associated methodology
 2. Update the CMA boundary on a more periodic basis
 3. Establish a new methodology to update the CMA boundary
 4. Establish a new management area(s)

Farming Units

- **STAKEHOLDER FEEDBACK:** During the variance process, CBGSA heard requests that CBGSA should recognize “farming units” – those are parcels that are located outside the CMA but historically irrigated from groundwater wells located inside the CMA
- **OPTIONS TO ADDRESS FEEDBACK:** CBGSA addressed this matter during the 2023 allocation process. Currently, a landowner may submit a “farming unit request form” that is considered and processed by CBGSA staff. If approved, the landowner’s parcel(s) located outside the CMA as part of the “farming unit” are included in the Sustainable Yield determination and subject to pumping restrictions

Entities to Exclude from Pumping Restrictions

- **STAKEHOLDER FEEDBACK:** During the variance process, CBGSA staff heard complaints that CBGSA did not consider all appropriate entities that should be excluded from pumping restrictions (i.e., school district, etc.)
- **OPTIONS TO ADDRESS FEEDBACK:** CBGSA addressed this matter during the 2023 allocation process. Currently, the following entities located within the CMA are excluded from pumping restrictions: CCSD (based on metered data) and residential users (determined by the model)
- The Ad Hoc Committee should consider whether there are any additional entities within the CMA that should be similarly be excluded from future pumping restrictions

Modeled Pumping Data vs. Actual Pumping Data

- **STAKEHOLDER FEEDBACK:** During the variance process, CBGSA staff heard requests that landowners be able to substitute actual or estimated pumping records for the CBGSA's modeled pumping estimates

- **OPTIONS TO ADDRESS FEEDBACK:**
 1. Continue using modeled pumping data
 2. Allow landowners to substitute in actual pumping records
 3. Use landowner groundwater extraction reports
 4. Use landowner meter reports

Variance Process

- **GENERAL NOTES:** While the variance process allowed for landowner to contest their respective allocations, under the 2023 allocation process, if CBGSA staff were to approve even one variance request, it would result in a change to all allocations

- **OPTIONS TO ADDRESS FEEDBACK:**
 1. Follow the same process as during the 2023 allocation process
 2. Create a “Variance Pool” that is pulled from the Sustainable Yield and used to address potential increases to allocation amounts
 3. Create a list of criteria that landowners can use to determine whether a variance request is likely to be approved

Methodologies to Consider Going Forward



HISTORICAL USE



GROSS ACREAGE



IRRIGATED ACREAGE

Historical Use

- **HOW DOES IT WORK:** The GSA establishes allocations based on historical groundwater use over a base period (e.g., 1998 – 2017).
- **EXAMPLE:** Existing Methodology

PROS	VS.	CONS
Acknowledges historical uses		Excludes landowners who have not developed groundwater resources
May reduce conflict among users		GSA may not have sufficient data

Gross Acreage

- HOW DOES IT WORK:** The GSA allocates the sustainable yield among overlying landowners proportionate to acreage. Additionally, the GSA may develop other pools of water (i.e., penalty pools, overdraft pools, etc.)
- EXAMPLE:** East Kaweah GSA provides: (1) a Native Yield allocation of 0.85 AF/Ac; (2) a Penalty Tier 1 allocation of 0.3 AF/Ac at \$500 per AF*; and (3) a Hard Cap allocation of 2.5 AF/Ac at \$500 per AF*.

PROS	VS.	CONS
Treats all landowners equally		Ignores current and historical uses
Simple calculation		

* = includes a one for one reduction of water user's 2024 water year allocation

Irrigated Acreage

- **HOW DOES IT WORK:** The GSA certifies all existing overlying groundwater use and develops allocation proportionate to land use.
- **EXAMPLE:** Tri-County Water Authority GSA provides a Native Yield allocation to all parcels 5 acres or larger and then provides “overdraft” water only to irrigated lands.

PROS	VS.	CONS
Reduction in use would be felt proportionately across all historic users		Does not give differential allocations based on historical use
		Potentially favors certain land uses
		Potentially discourages water conservation

8-21-23 Tech Forum Feedback

- Too early to assess success of current pumping reduction program
- Landowners should be allocated on same basis, asset for some landowners (i.e. water market)
- Need to consider actual data in future allocation methodology

Board Feedback Requested

- Is there any other analysis or information the Board would like staff to provide?
- Does the Board want staff to develop additional details on potential options for establishing an allocation methodology?

Cuyama Basin Groundwater Sustainability Agency

8b. Discuss and Make Appropriate Recommendation on Basin-Wide Pumping Reductions

Taylor Blakslee / Brian Van Lienden

September 6, 2023



What does the GSP say?

- **Executive Summary (p. ES-1):** “Although current analysis indicates groundwater pumping reductions on the order of 50 to 67 percent may be required Basin-wide to achieve sustainability, additional efforts are required to confirm the amount and location of pumping reductions required to achieve sustainability. These efforts include collecting additional data and a review of the Basin’s groundwater model, along with other efforts as outlined in this document.”
- Pumping reductions outside the CMA were contemplated but not *mandated* under the current version of the GSP

Options to Consider Regarding Pumping Allocations Outside the Central Management Area

OPTIONS	NOTES	PROS	CONS
1 Do nothing (at this time)	No GSP amendment required	Lower cost, if overdraft is not significant outside the CMA	May not achieve basin-wide sustainability; incentivize development outside the CMA
2 Do something	Now or later?		
a Create multiple Management Areas	GSP amendment required (new MA criteria to be developed)	Better representation for local conditions	Boundary issues remain; administration of multiple MAs = multiple methodologies
b Create one (1) new MA that's everything outside the CMA	GSP amendment required (new MA criteria to be developed)	Everyone in an overdrafted portion of the basin is treated similarly	Boundary issues remain; administration of two different MA = two different methodologies
c Eliminate all MAs and manage basin as a whole	GSP amendment	Consistent with basin boundary and ease of administration (everyone treated the same)	May not reflect local groundwater conditions within the basin

8-21-23 Tech Forum Feedback

- Similar hydrologic/geologic areas should be managed together

Board Feedback Requested

- Is there any other analysis or information the Board would like staff to provide?
- Does the Board recommend one of the options presented by staff?

Cuyama Basin Groundwater Sustainability Agency

8c. Discuss and Make Appropriate Recommendation on Central Management Area Boundary

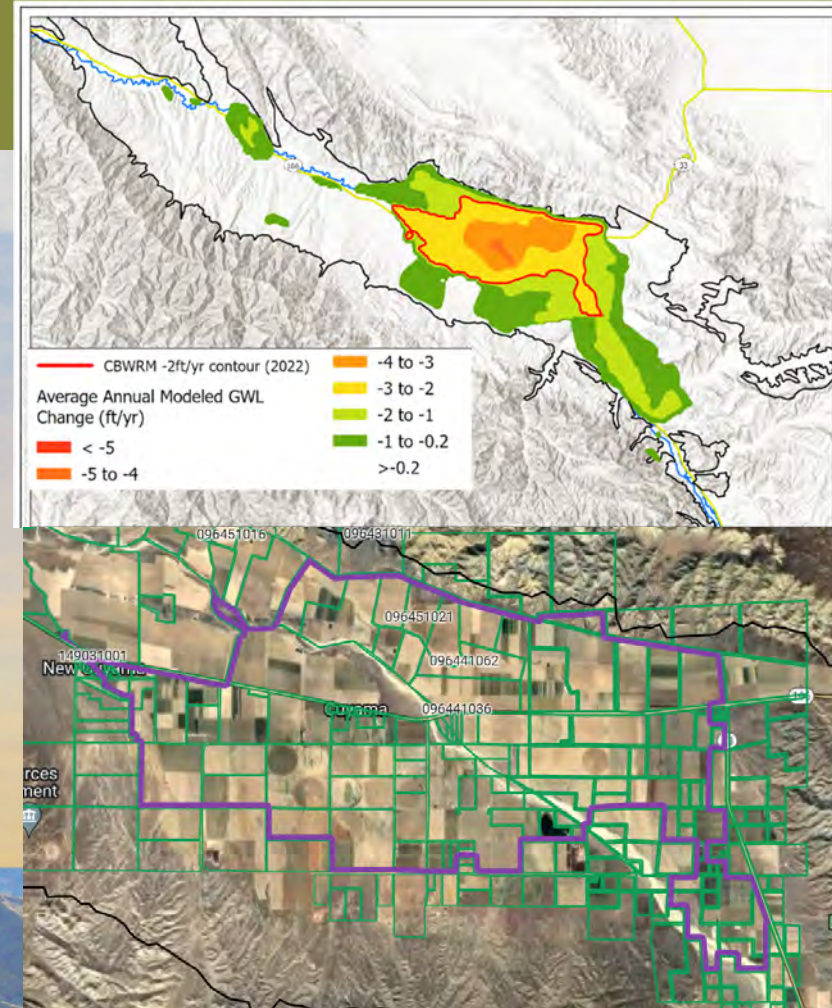
Taylor Blakslee / Brian Van Lienden

September 6, 2023



GSP Approach and Subsequent Board Direction

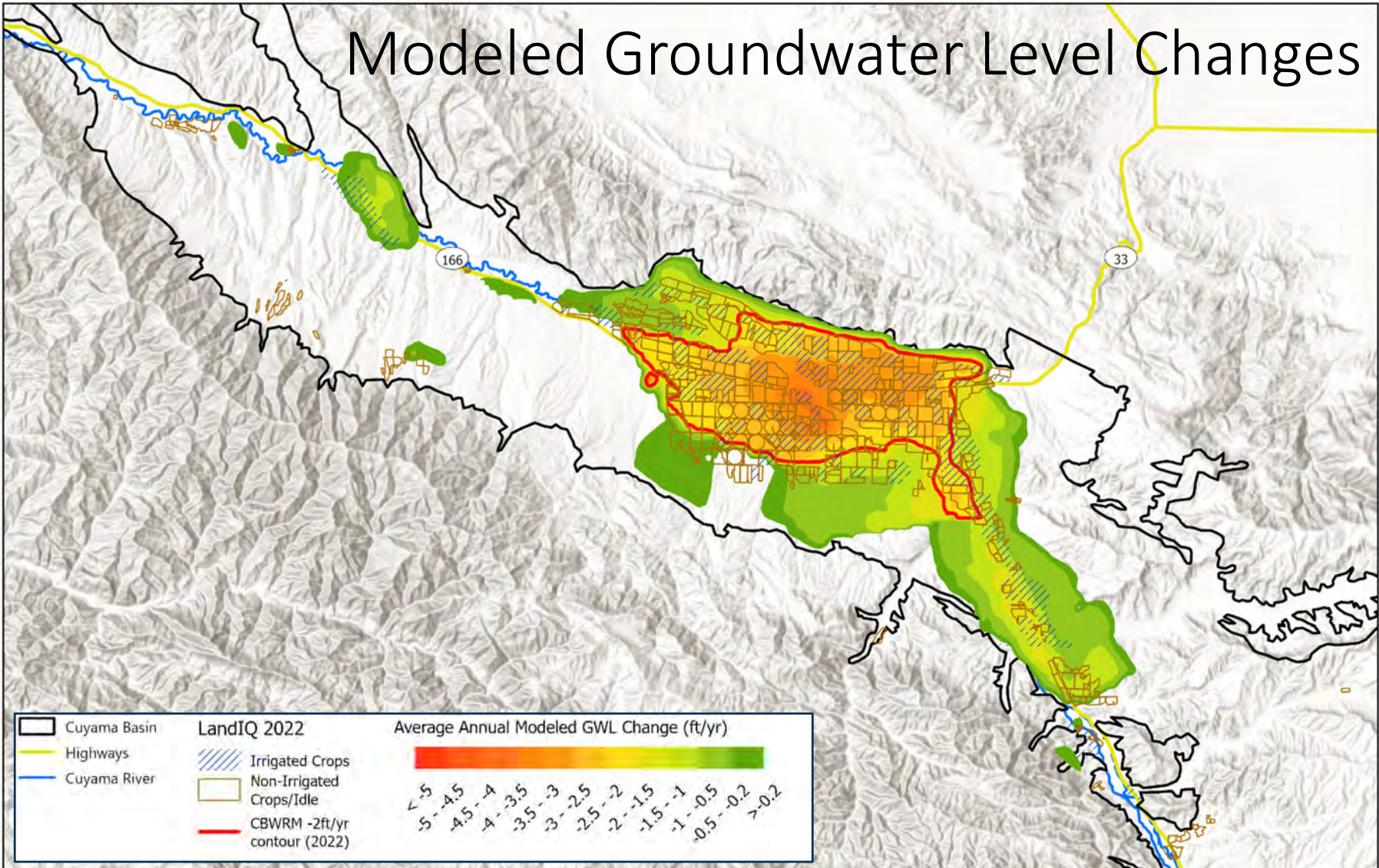
- GSP Chapter 7 (p. 7-1):** “The CBGSA has designated two areas in the Basin as management areas: the Central Basin Management Area and the Ventucopa Management Area, which are both defined as regions with modeled overdraft conditions greater than 2 feet per year that are projected by the model to drop below minimum threshold levels before 2040.”
- Modeled boundary was updated with model update and the Board voted to use an “operational boundary” in July 2022



Options for Management Area Boundaries

- **Model-Based CMA Boundary:**
 - Use existing boundary
 - Keep 2 feet per year rule, but update operational boundary when model updated in Spring 2024
 - Change the 2 feet per year rule
 - Draw a boundary based on model-estimated pumping
- **Measured Groundwater Level-Based CMA Boundary:**
 - Buffer around representative wells below minimum thresholds
 - Buffer around representative wells with levels dropping more than X feet per year
- **Physical Features-Based CMA Boundary:**
 - Use faults or other geologic features to determine edges of boundary
 - Use institutional boundaries (e.g. counties or CBWD)
- If Board chooses to manage pumping outside the CMA, other Management Areas could potentially be developed using the same or different criteria from the CMA boundary

Modeled Groundwater Level Changes



8-21-23 Tech Forum Feedback

- Similar hydrologic/geologic areas should be managed together
- Support for physical feature-based management approach
- Dynamic boundary makes it harder for ag planning; fixed boundary most practical for planning purposes
- Consider impact to potential water markets

Board Feedback Requested

- Is there any other analysis or information the Board would like staff to provide?
- Does the Board recommend one of the options presented by staff?

Cuyama Basin Groundwater Sustainability Agency

8d. Discuss and Make Appropriate Recommendation on Groundwater Levels Monitoring Network

Taylor Blakstee / Brian Van Lienden

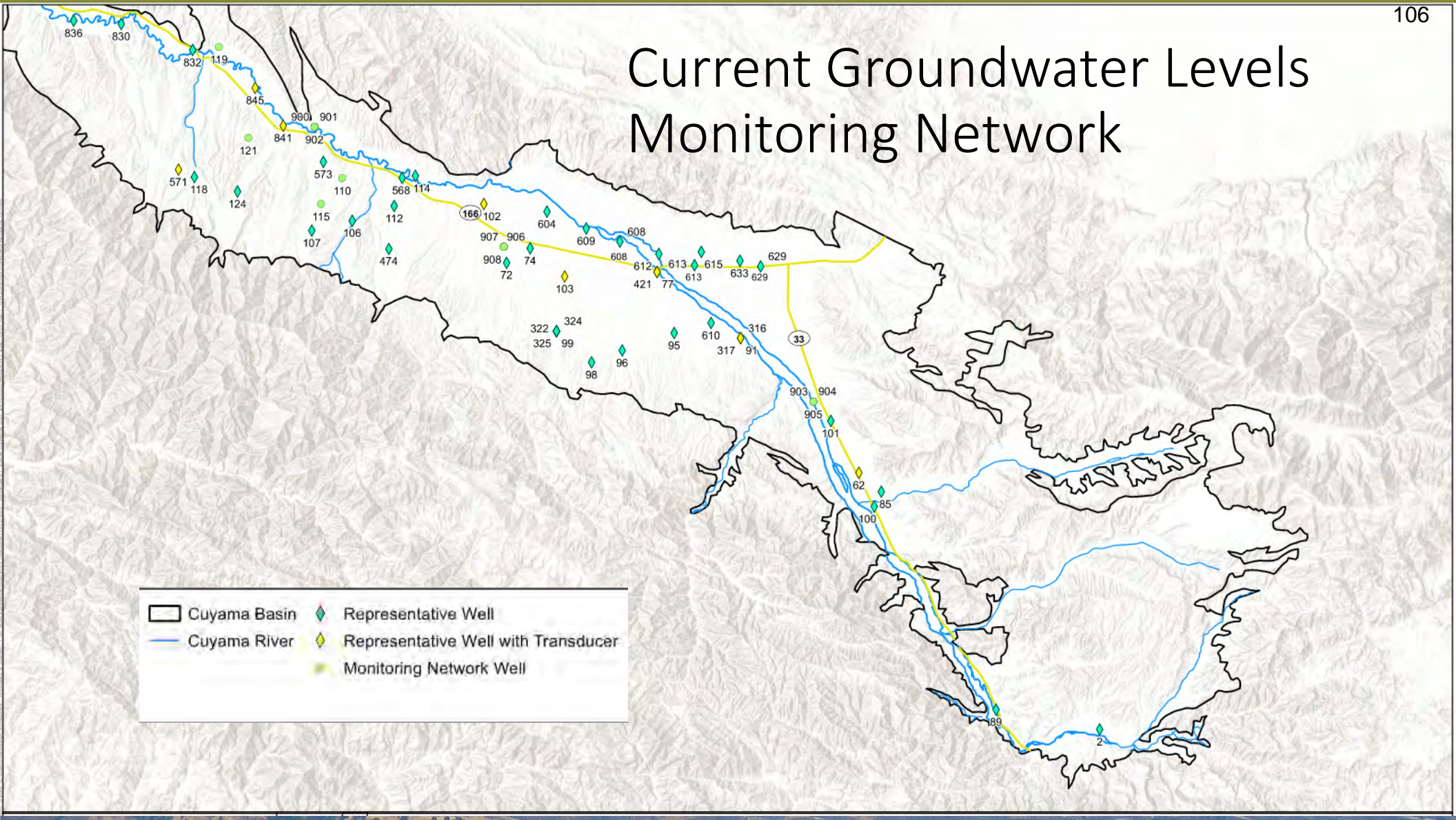
September 6, 2023



GSP Approach and Subsequent Board Direction

- **GSP Section 4.5 (p. 4-35)** describes the development of the GW levels monitoring network
 - Included 101 wells, including 61 representative wells
- As described in the **WY 2019-2020 and WY 2020-2021 Annual Reports**, the monitoring networks were refined to remove spatially redundant wells and to add in wells installed by DWR's Technical Support Services
 - The current monitoring network includes 61 wells, including 49 representative wells

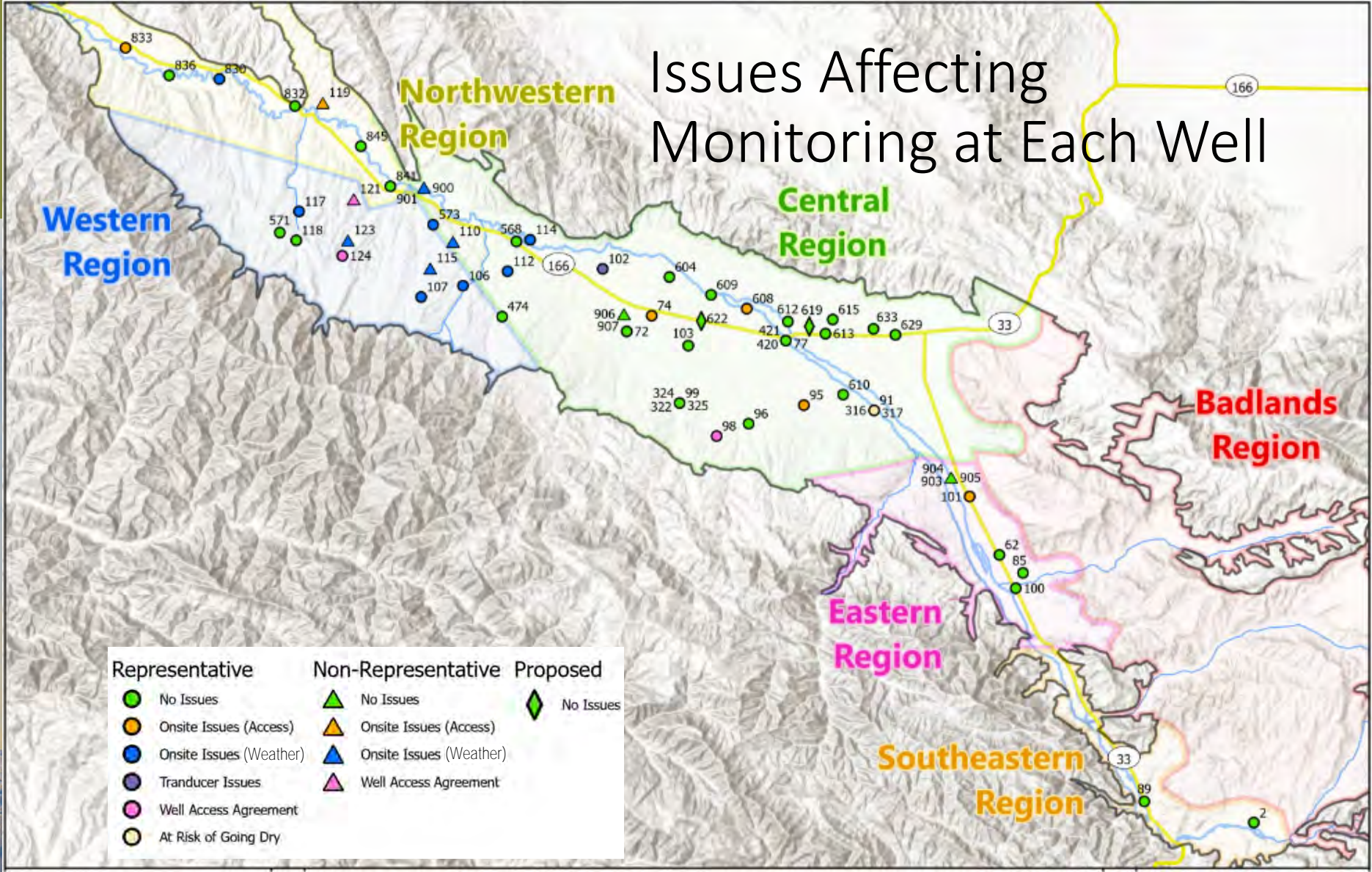
Current Groundwater Levels Monitoring Network



Review of Groundwater Levels Monitoring Network

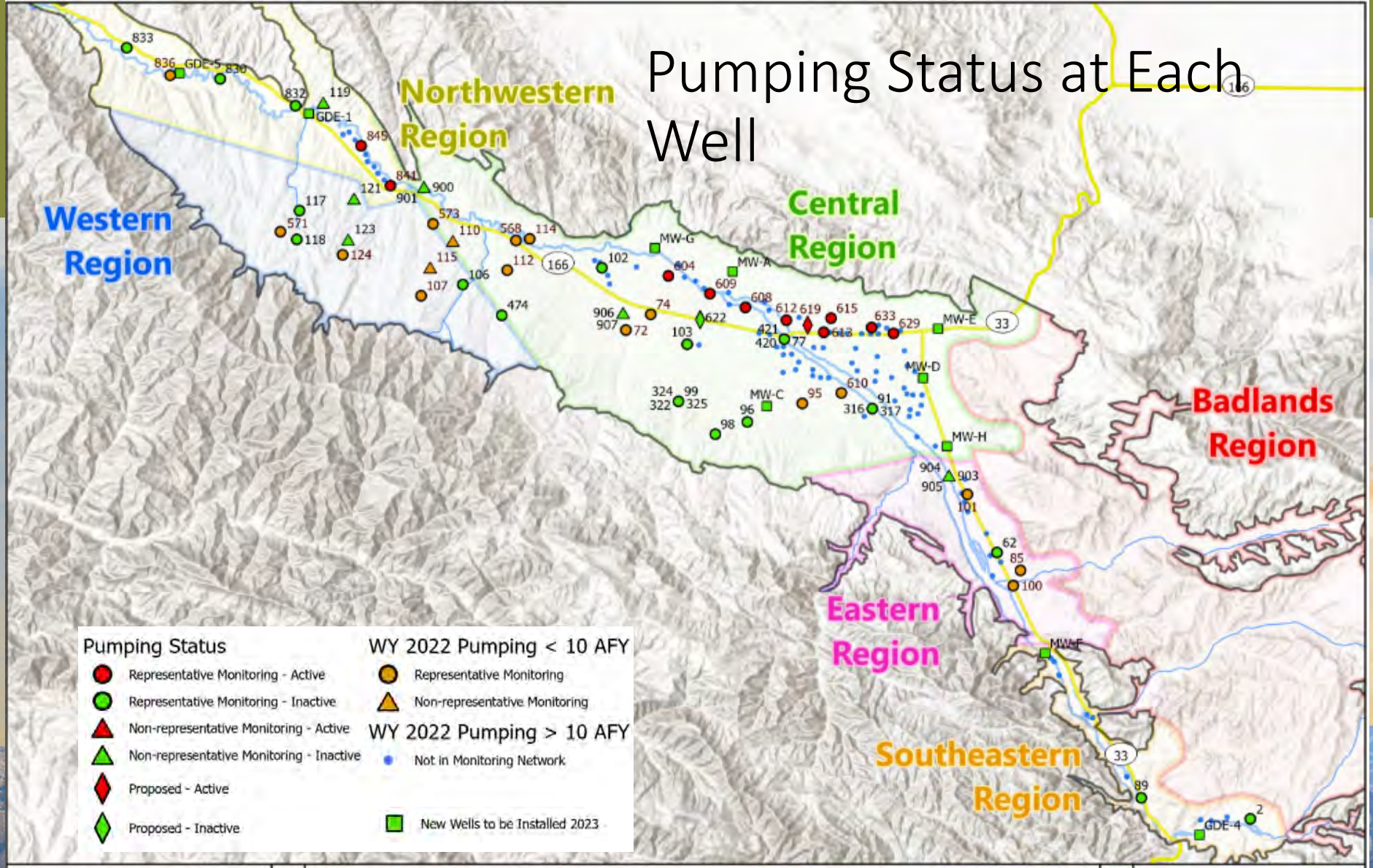
- The existing groundwater levels monitoring wells were reviewed with respect to the following issues:
 - Lack of landowner agreement for monitoring
 - Access issues due to issues at the wellsite
 - Access issues due to winter flooding
 - Whether the well is projected to go dry between now and 2030
 - Whether or not the well is an active pumping well and the magnitude of pumping in 2022
 - Whether nearby similar wells have shown similar groundwater level changes and are therefore redundant

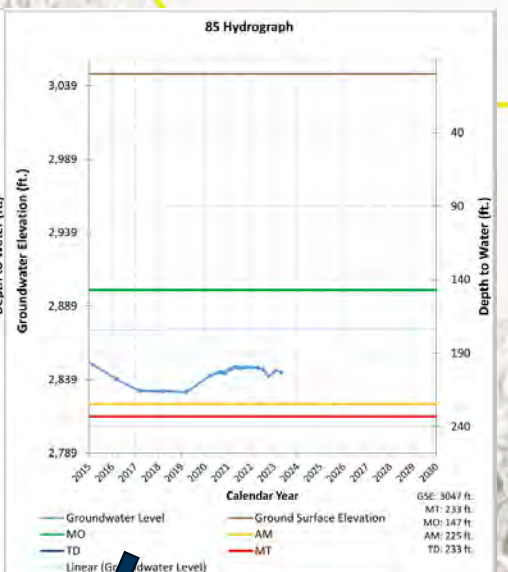
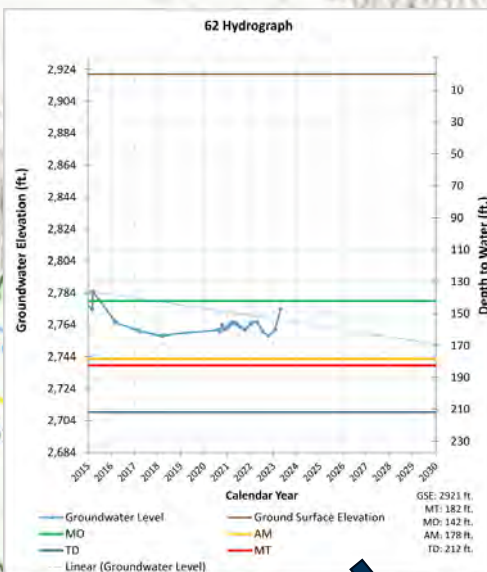
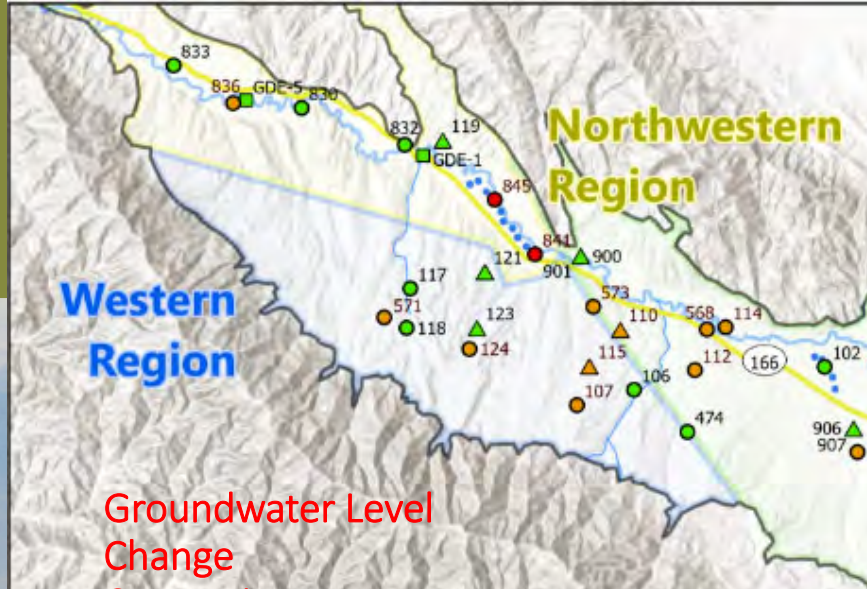
Issues Affecting Monitoring at Each Well



Representative	Non-Representative	Proposed
● No Issues	▲ No Issues	◆ No Issues
● Onsite Issues (Access)	▲ Onsite Issues (Access)	
● Onsite Issues (Weather)	▲ Onsite Issues (Weather)	
● Transducer Issues	▲ Well Access Agreement	
● Well Access Agreement		
● At Risk of Going Dry		

Pumping Status at Each Well

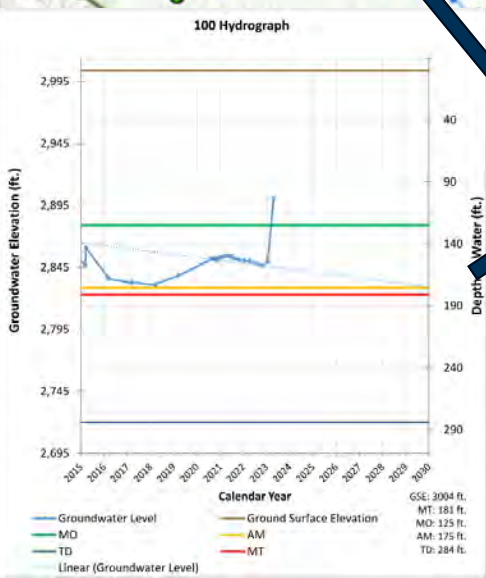




Groundwater Level Change Comparison:
 - 62, 85 and 100 are not redundant

Pumping Status

- Representative Monitoring - Active
 - Representative Monitoring - Inactive
 - ▲ Non-representative Monitoring - Active
 - ▲ Non-representative Monitoring - Inactive
 - ◆ Proposed - Active
 - ◆ Proposed - Inactive
 - Representative Monitoring
 - ▲ Non-representative Monitoring
 - Not in Monitoring Network
 - New Wells to be Installed 2020
- WY 2022 Pumping < 10
 WY 2022 Pumping > 10



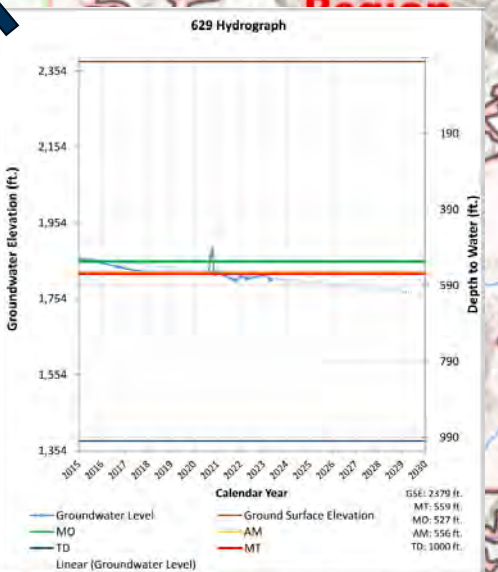
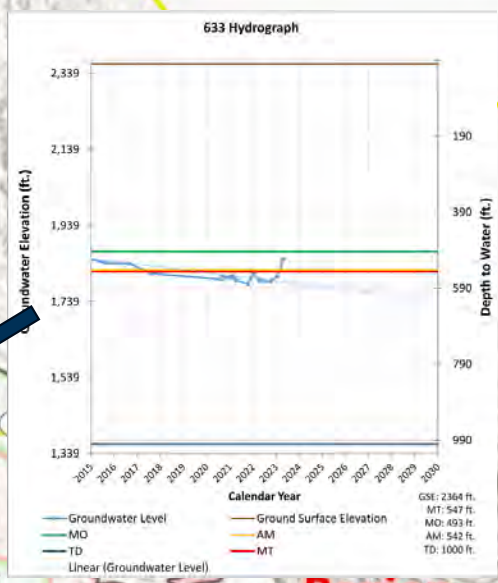
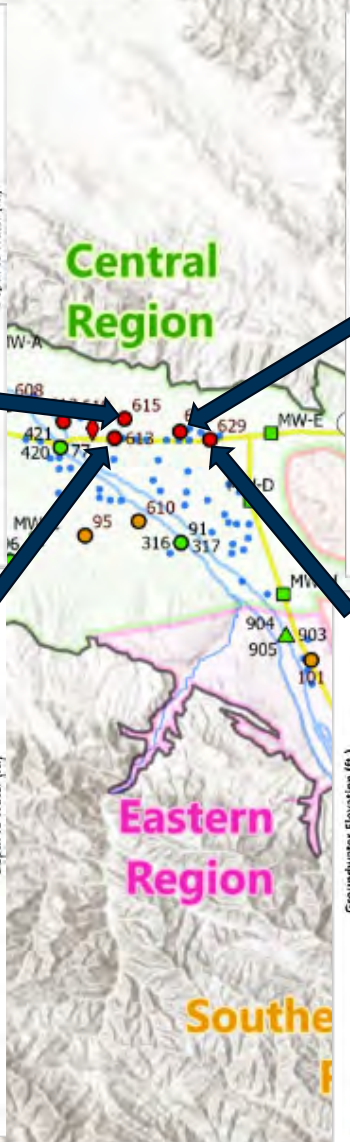
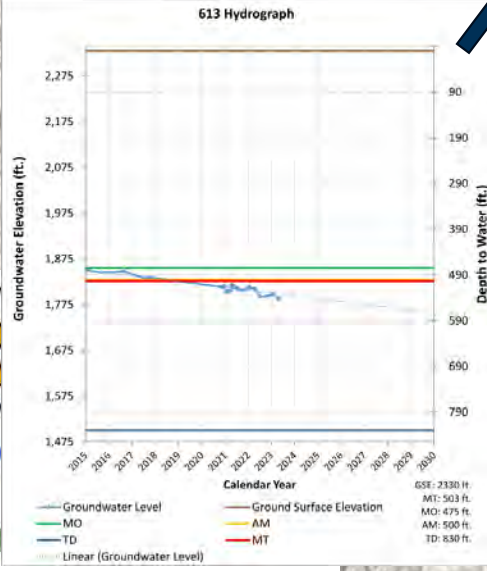
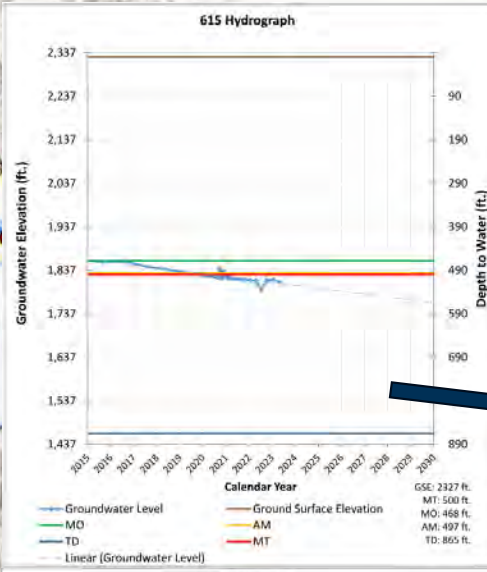
Western Region

Groundwater Level Change Comparison:

- 613 and 615 may be redundant
- 629 and 633 are not redundant

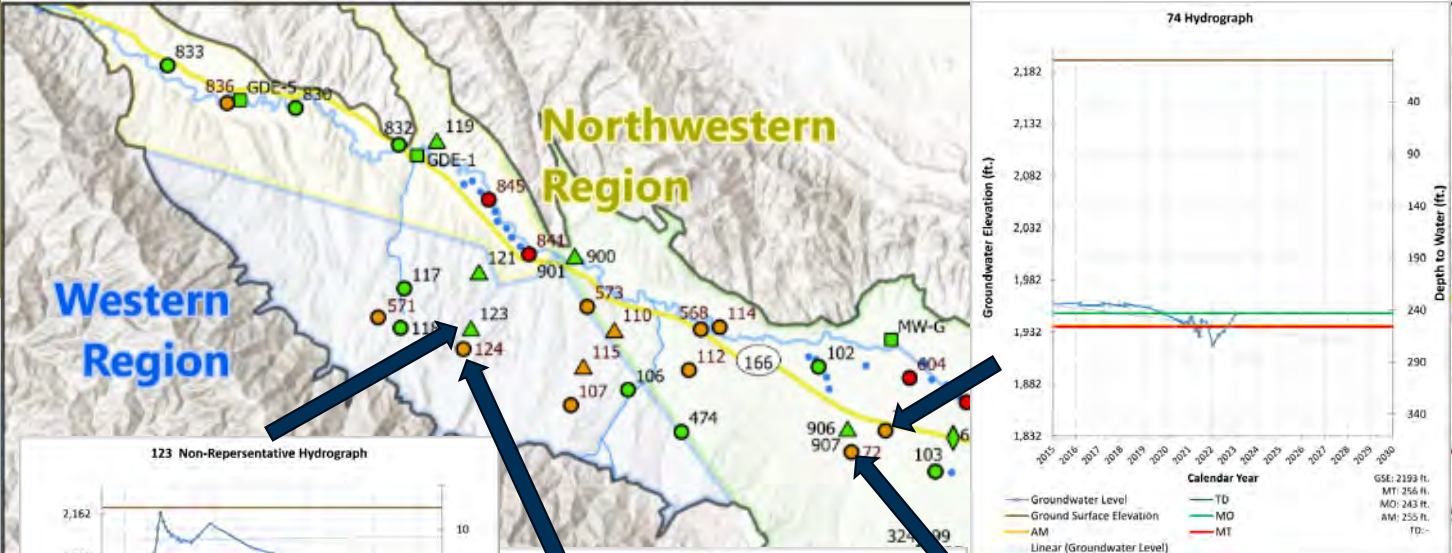
Pumping Status

- Representative Monitoring - Active
- Representative Monitoring - Inactive
- ▲ Non-representative Monitoring - Active
- ▲ Non-representative Monitoring - Inactive
- ◆ Proposed - Active
- ◆ Proposed - Inactive

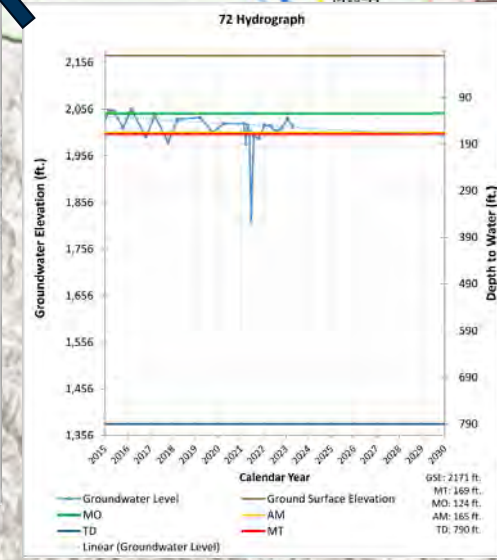
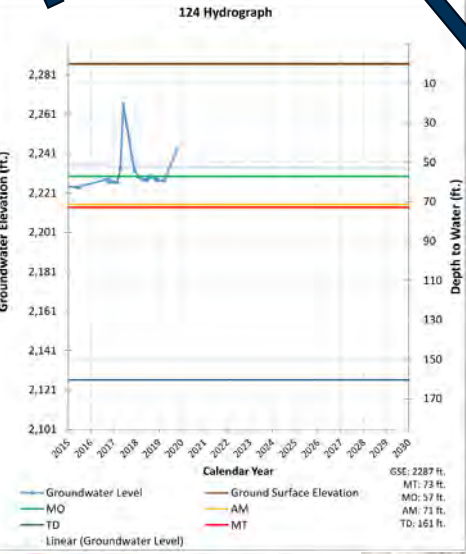
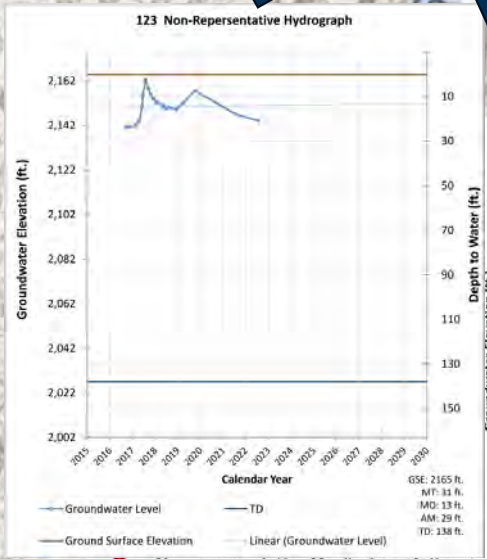


Eastern Region

Southern Region



Groundwater Level Change Comparison:
 - 72 and 74 are not redundant
 - 123 and 124 are not redundant

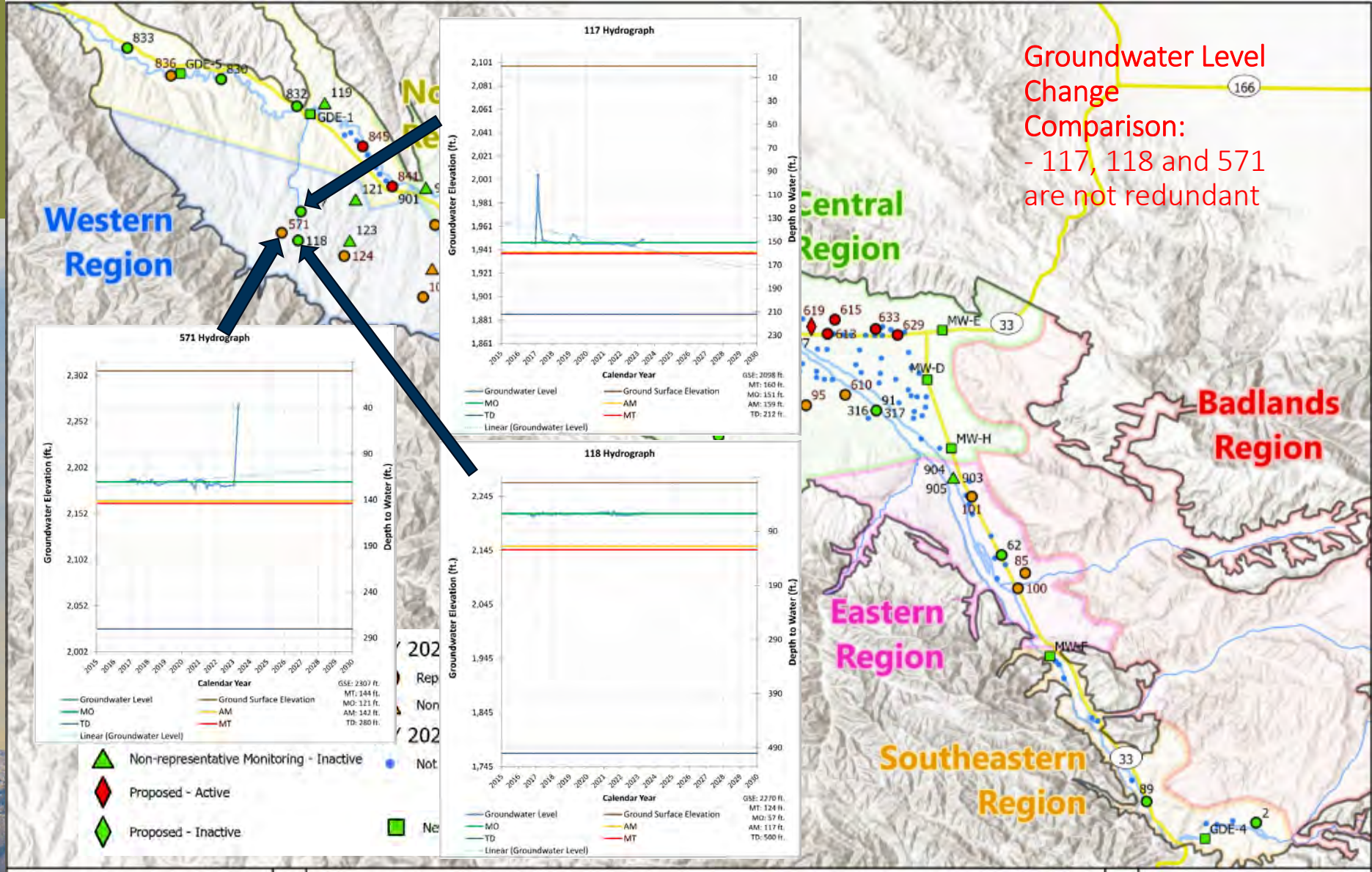


- ▲ Non-representative Monitoring - Active
- ▲ Non-representative Monitoring - Inactive
- ◆ Proposed - Active
- ◆ Proposed - Inactive

■ New Wells to be Installed 2023



Groundwater Level Change Comparison:
- 117, 118 and 571 are not redundant



Recommendation for Groundwater Levels Monitoring Network

- Representative wells:
 - include all existing wells except for 2 wells (98 and 124) where an agreement has not been able to be obtained
 - Consider removal of well 613 or 615 due to redundancy
 - No new representative wells because other available monitoring wells do not yet have enough data to reliably set a minimum threshold and measurable objective
- Other Monitoring wells:
 - Remove 1 well (121) as it was previously replaced by well 123
 - Add 2 wells (619 and 622) that have been offered by local landowner
 - Add new piezometers and multi-completion monitoring wells that will be constructed this year under the DWR grant
- Revised network would include 79 wells, 47 of which are representative wells
- Over the long-term, wells that are active pumping wells with significant pumping should have transducers installed and/or be replaced with dedicated monitoring wells

8-21-23 Tech Forum Feedback

- Generally support staff approach
- Recommend additional analysis on potential redundant wells
- Recommend transducers in production wells

Board Feedback Requested

- Does the Board approve the staff-recommended groundwater levels monitoring network?
- If not, what other options does it want staff to consider?

Cuyama Basin Groundwater Sustainability Agency

8e. Discuss and Make Appropriate Recommendation on Groundwater Storage Monitoring Network

Taylor Blakslee / Brian Van Lienden

September 6, 2023



GSP Approach and Potential Options

- **GSP Section 4.6 (p. 4-50):** “Groundwater in storage is monitored through the measurement of groundwater levels. Therefore, the groundwater storage monitoring network will use the groundwater level monitoring network.”
- GSP uses groundwater levels as a proxy for groundwater storage
- **Potential Options:**
 - Continue to use groundwater levels as a proxy for groundwater storage
 - Use model estimates of change in groundwater storage to monitor groundwater storage

8-21-23 Tech Forum Feedback

- Use levels as proxy for now
- Consider model-based storage estimate in 5+ years

Board Feedback Requested

- Staff recommends continuing to use groundwater levels as a proxy for monitoring of groundwater storage
- Does the Board approve the staff recommendation?

Cuyama Basin Groundwater Sustainability Agency

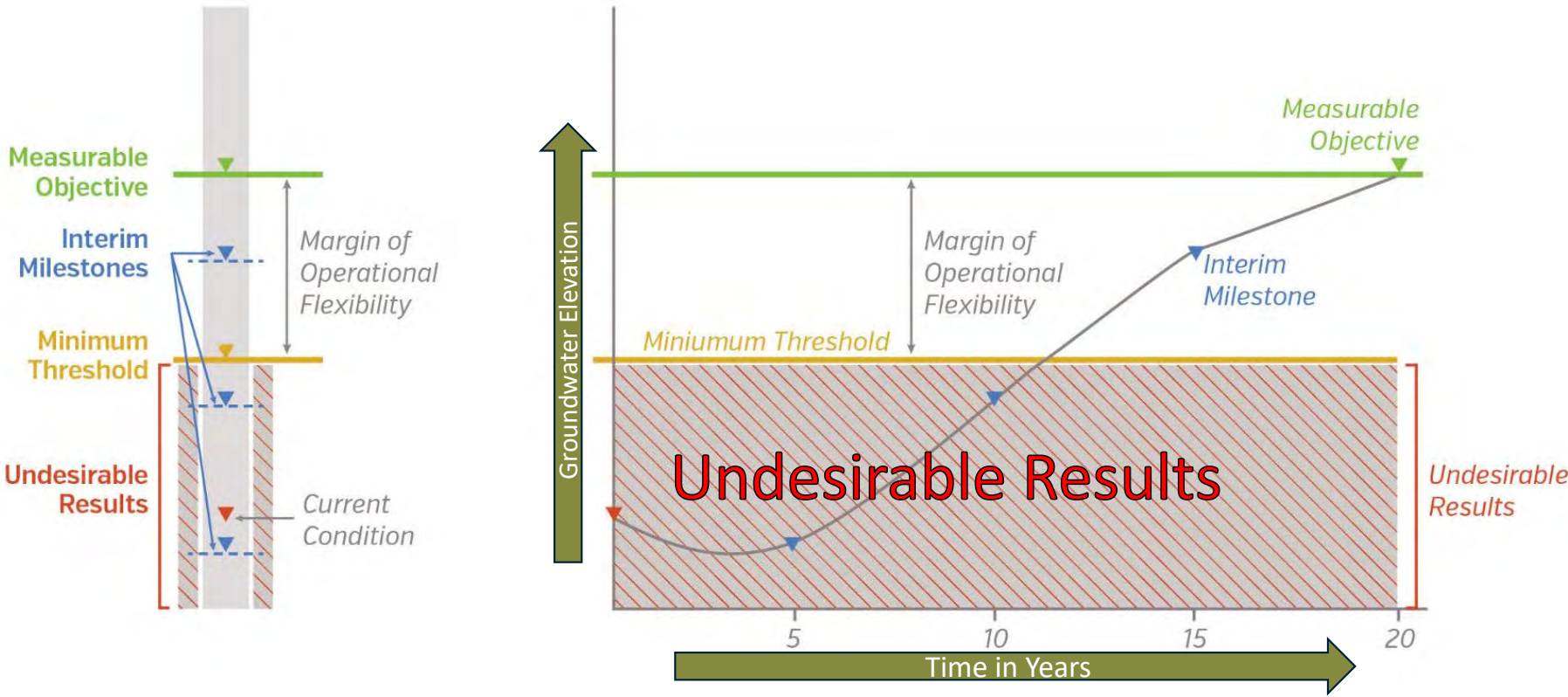
8f. Discuss and Make Appropriate Recommendation on Sustainable Management Criteria and Undesirable Results Definitions for Groundwater Levels

Taylor Blakslee / Brian Van Lienden

September 6, 2023



Sustainability Thresholds Overview



GSP Approach

- **GSP Section 3.2.1 Identification of Undesirable Results (p. 3-2):** “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.”
- **GSP Section 5.2.1 Threshold Regions (p. 5-2):** “Six threshold regions were defined to allow areas with similar conditions to be grouped together for calculation of MOs, MTs, and IMs.”
- **GSP Section 5.2.2 Minimum Thresholds, Measurable Objectives, and Interim Milestones (p. 5-6):** “This section describes how MTs, MOs, and IMs were established by threshold region, and explains the rationale behind each selected methodology.”

GSP Threshold Region MT Strategies

Northwestern = 15% of saturated thickness below GSE

Northwestern Region

Central = 20% of historical range below January 2015 level

Central Region

Western = 15% of the difference between total well depth and full basin condition (Feb 2018) subtracted from the Feb 2018 measurement

Western Region

Badlands Region

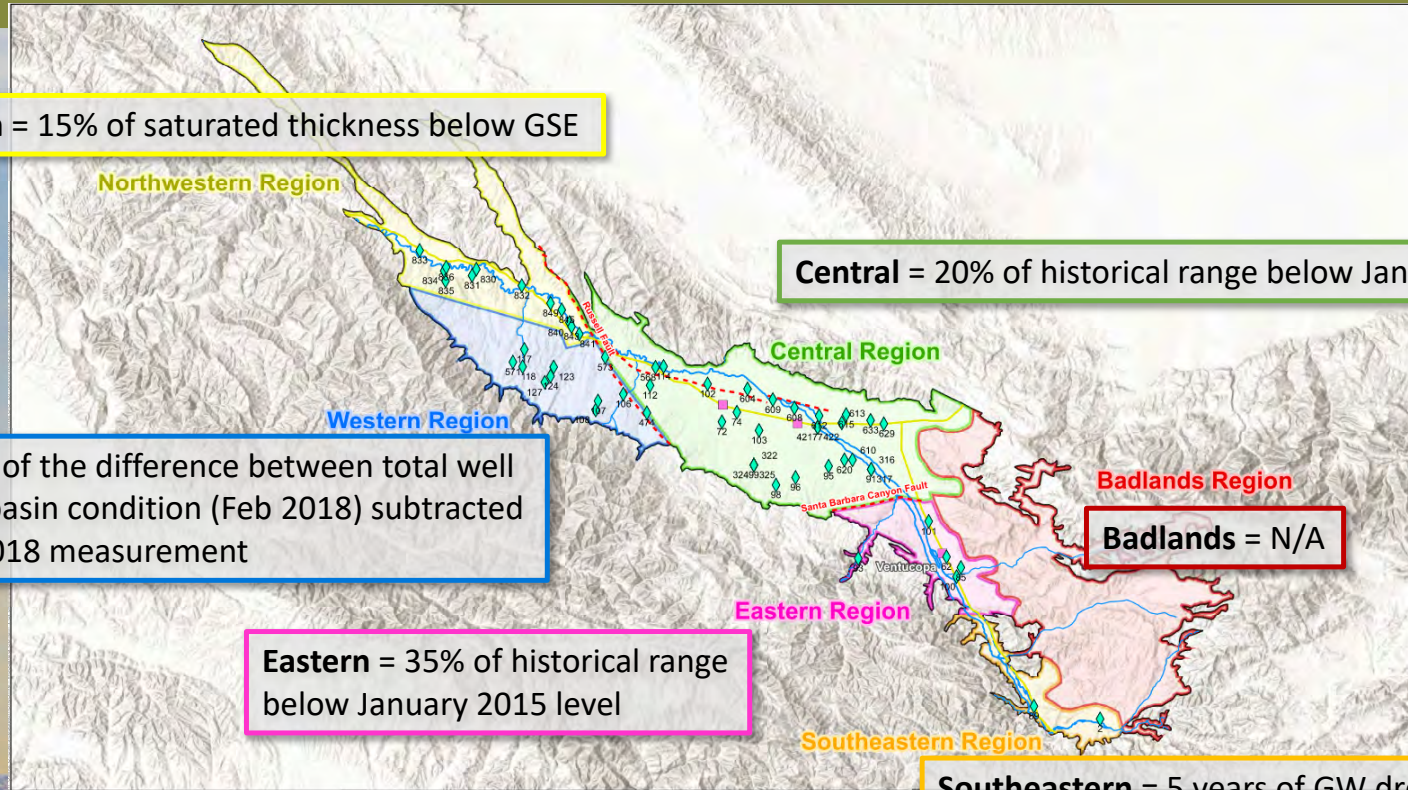
Badlands = N/A

Eastern = 35% of historical range below January 2015 level

Eastern Region

Southeastern Region

Southeastern = 5 years of GW drought storage from MO
 MO = January 2015
 Drought storage = decline between 2013 and 2018



Options for Groundwater Levels Sustainability Criteria – Minimum Thresholds

- Keep existing MTs
- Update previous MTs using similar methods but accounting for drought years since 2015
- Set MTs based on well protection depth for active pumping wells and GDE locations
- Set MTs based on modeling projection of glidepath, while also accounting for well protection depths and GDEs
- Set MTs based on continuation of historical groundwater level trends
- Set MTs based on historical low values or a percentage below the historical low value

Options for Groundwater Levels Sustainability Criteria – Measurable Objectives

- Keep same MOs
- January 2015 levels
- January 2021 levels
- Retain existing Margin of Op – adjusted for new MT
- Apply a minimum buffer (sliding scale or consistent) to MO of

Options for Groundwater Levels Undesirable Results Definitions

- Keep the existing definitions
- Update to 30% of wells over 3 years instead of 2 years
- Attempt to develop a percentage threshold based on projected impacts to beneficial users
- Develop separate undesirable results statements for different threshold regions

8-21-23 Tech Forum Feedback

Minimum Thresholds

- Consider projections under glidepath and impacts to beneficial uses and users
- Reconsider use of threshold regions and potential simplified methodology
- If threshold regions remain, consider potential gradient impacts

Measurable Objectives

- General support for minimum buffer

Undesirable Results

- Consider impacts to beneficial uses and users
- Continue with basin-wide definition

Board Feedback Requested

- Is there any other analysis or information the Board would like staff to provide?
- Of the options presented by staff, which ones does the Board want staff to analyze and develop specific proposals for?

Cuyama Basin Groundwater Sustainability Agency

8g. Discuss and Make Appropriate Recommendation on Sustainable Management Criteria and Undesirable Results Definitions for Groundwater Storage

Taylor Blakslee / Brian Van Lienden

September 6, 2023



GSP Approach and Potential Options

- **GSP Section 3.2.2 Identification of Undesirable Results (p. 3-3):** “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.”
- **GSP Section 5.3.2 Reduction of Groundwater Storage (p. 5-15):** “Reduction of groundwater storage in the Basin uses groundwater levels as a proxy for determining sustainability, as permitted by Title 23 of the California Code of Regulations in Section 354.26 (d), Chapter 1.5.2.5. Additionally, there are currently no state, federal, or local standards that regulate groundwater storage. As described above, any benefits to groundwater storage are expected to coincide with groundwater level management.”
- **Potential Options:**
 - Continue to use groundwater levels as a proxy for groundwater storage
 - Define sustainability criteria in terms of annual change in groundwater storage as estimated by the groundwater model

8-21-23 Tech Forum Feedback

Minimum Thresholds/Measurable Objectives/Undesirable Results Criteria

- Use levels as proxy for now
- Consider model-based change in storage estimate in 5+ years

Board Feedback Requested

- Staff recommends continuing to use groundwater levels as a proxy for setting sustainable management criteria and undesirable results criteria for groundwater storage
- Does the Board agree with the staff recommendation?



TO: Board of Directors
Agenda Item No. 9

FROM: Charles Gardiner, Woodard & Curran

DATE: September 6, 2023

SUBJECT: Discuss and Take Appropriate Action on Plan for Public Workshops

Recommended Motion

Board feedback requested.

Discussion

At the July 12, 2023, Board meeting the Board directed staff to hold a public workshop several weeks after the September Board meeting. Updates and staff recommendation are provided in Attachment 1.

9. Discuss and Make Appropriate Recommendation on Plan for Public Workshops

Charles Gardiner

September 6, 2023



Fall 2023 Community Workshop

- **Purpose:** Initiate discussion of GSP update and provide relevant feedback
- **Audience:** Cuyama Basin landowners, groundwater users and other stakeholders
- **Topics:**
 - GSP activities status and GSP update process/schedule
 - Data and understanding developed since 2020
 - Overview and initial discussion of:
 - Monitoring networks updates
 - Sustainable Management Criteria and Undesirable Results
 - Management Areas and pumping allocation approach
- **Timing and Notice:**
 - October 12, 6:00 to 8:00 p.m., Cuyama Valley Recreation District, in-person with online/call-in option
 - Notices via email, postcard, Facebook, and flyer posting and distribution



TO: Board of Directors
Agenda Item No. 10

FROM: Taylor Blakslee / Brian Van Lienden

DATE: September 6, 2023

SUBJECT: Discuss and Take Appropriate Action on Annual Reporting Requirement for Local Crop Data

Recommended Motion

Request updated land use data for the water year in October each year (with a projected land use for Oct-Dec).

Discussion

An update on Annual Reporting Requirement for Local Crop Data is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

10. Discuss and Make Appropriate Recommendation on Annual Reporting Requirement for Local Crop Data

Brian Van Lienden / Taylor Blakslee

September 6, 2023



Background

- On July 12, 2023, the Board directed staff to work on the form and documentation on well reporting, acreage, and crop type
- Staff drafted a separate form for reporting crop type and acreage by parcel for Board consideration of approval (*attached*)

Timing Issue

- Land use data for the Water Year (Oct 1st – Sep 30th) is collected in October and processed in the model for the Annual Report (Due April 1st each year)
- **Staff recommendation:** request updated land use data for the WY in October each year (with a projected land use for Oct-Dec)



Land Use Reporting Form

Cuyama Basin Groundwater Sustainability Agency

The Cuyama Basin Groundwater Sustainability Agency uses land data from the California Department of Water Resources to update its water resource model. However, to ensure the most accurate land use data is included, the CBGSA requests landowners submit their actual land use data for the Water Year (October 1st through September 30th), and projected land use data for the subsequent October through December using the below form. Please submit this data **by October 31st** (each year) to tblakslee@hgcpm.com. If you have any questions, please contact Taylor Blakslee at (661) 477-3385, or via email.

*****Landowners should submit a separate form for each APN (parcel)*****

Landowner, Well Information

- 1 Landowner Name _____
- 2 Company/Organization _____
- 3 APN/Parcel Number _____
- 4 Total Acreage _____
- 5 Well Name(s)/Number(s) _____

Land Use/Cropping Data (per APN/Parcel)

	Land Use (Irrigated, non-irrigated, fallowed, other)	Crop Type(s)	Cropped Acreage by Crop	Notes
Previous Water Year				
<i>Example:</i>	<i>Irrigated</i>	<i>Grain/Safflower</i>	<i>50/10</i>	
October				
November				
December				
January				
February				
March				
April				
May				
June				
July				
August				
September				
Remainder of Calendar Year (Projected Land Use)				
October				
November				
December				



TO: Board of Directors
Agenda Item No. 11

FROM: Taylor Blakslee, Brian Van Lienden

DATE: September 6, 2023

SUBJECT: Discuss and Take Appropriate Action on Plan to Revise Crop Factors on Small Pumper Water Use Reporting Form

Recommended Motion

Board feedback requested.

Discussion

Proposed modifications to crop factors on small pumper water use reporting form is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

11. Discuss and Make Appropriate Recommendation on Plan to Revise Crop Factors on Small Pumper Water Use Reporting Form

Taylor Blakslee / Brian Van Lienden

September 6, 2023



Background

- On July 12, 2023, the Board directed staff to develop a cost estimate for updating the small pumper form crop factors

Potential Options

- Total 2022 reported pumping
 - Metered: 44,088 AF (~\$530,000 collected from recent fee)
 - Small pumpers: 90 AF (~\$1,000 collected from recent fee)
- Option 1:
 - Keep same crop factors (no cost impact)
- Option 2:
 - Use model data to update crop types/factors used for small pumpers
 - Staff to coordinate/outreach with specific landowners to confirm crop factors are accurate (ad hoc to confirm documentation supports potential change to crop factors)
 - Assumptions:
 - Direct email to known irrigators
 - 4-hour group irrigator meeting with staff
 - 2, 1-hour ad hoc meetings
 - Estimated cost: \$6,000



TO: Board of Directors
Agenda Item No. 12

FROM: Jim Beck, Brian Van Lienden

DATE: September 6, 2023

SUBJECT: Discuss and Take Appropriate Action to Identify Location of Tamarisk in the River Channel

Recommended Motion

Provide direction whether to investigate potential options.

Discussion

On July 12, 2023, the Board directed staff to research the cost to identify Tamarisk (a non-native plant) for potential removal. Approximate cost estimates to digitally map tamarisk locations is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

12. Discuss and Make Appropriate Recommendation to Identify Location of Tamarisk in the River Channel

Brian Van Lienden

September 6, 2023



Identification of Tamarisk in River Channel

- On July 12, 2023, the Board directed staff to research the cost to identify Tamarisk (a non-native plant) for potential removal
- The concern expressed was that Tamarisk uses a material amount of water that might recharge in the basin
- Removal of tamarisk in the Cuyama river channel would reduce groundwater consumption but could also increase velocities of river flow out of the basin, thereby potentially reducing stream seepage into the groundwater aquifer
- Approximate cost estimates to digitally map tamarisk locations:
 - Airplane: ~\$90k for the full length of the river channel
 - Includes hyper-spectral capture in place of LiDAR (\$60k increase)
 - Drone: ~\$84-112k (\$30-40k per 5 miles)
- Would the Board like staff to continue to investigate potential options?



TO: Board of Directors
Agenda Item No. 13a

FROM: Jim Beck, Executive Director

DATE: September 6, 2023

SUBJECT: 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 June and July 2023. An overview of consultant budget-to-actuals is provided as Attachment 2.

June and July 2023 Accomplishments & Next Steps

Accomplishments

- ✓ Attended GRA/SGMA conference on GSP periodic evaluation on June 6, 2023
- ✓ Participated in media interview with Santa Barbara Independent Times reporter Melinda Burns on June 9, 2023
- ✓ Prepared for and attended Grant Implementation ad hoc on June 19, 2023
- ✓ Finalized Central Management Area allocations.
- ✓ Finalized DWR corrective actions summary, GSP evaluation documents, descriptions, and Groundwater Sustainability Plan amendment strategy
- ✓ Facilitated SAC meeting on July 6, 2023
- ✓ Facilitated Board meeting on July 12, 2023
- ✓ Assisted in processing Cuyama access agreements for dedicated monitoring wells/piezometers
- ✓ Assisted W&C on implementation of grant-funded projects

Next Steps

- Implement well registration program
- Plan for fall 2023 public workshop
- Coordinate Fiscal Year audit



Cuyama Basin Groundwater Sustainability Agency Financial Report

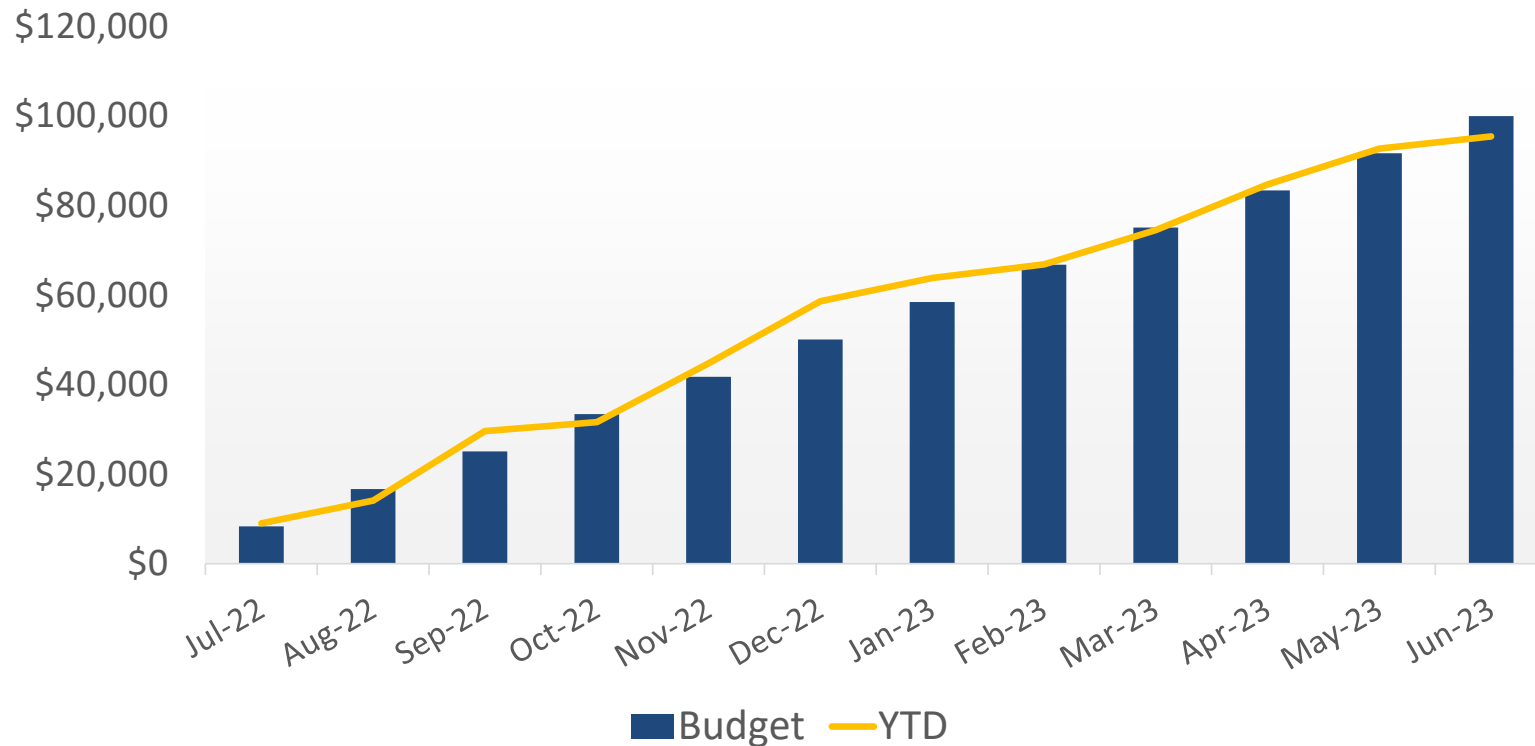
For the Year Ended June 30, 2023

CBGSA OUTSTANDING INVOICES

Task	Invoiced Through	Cumulative Total
Legal Counsel (Klein)	06/30/2023	\$20,925
Executive Director (HG)	06/30/2023	\$57,297
GW Level Monitoring (P&P)	06/30/2023	\$9,616
Water Resource Investigations (USGS)	06/30/2023	\$13,150
Technical Consultant (W&C)	06/30/2023	\$238,645
TOTAL		\$339,633

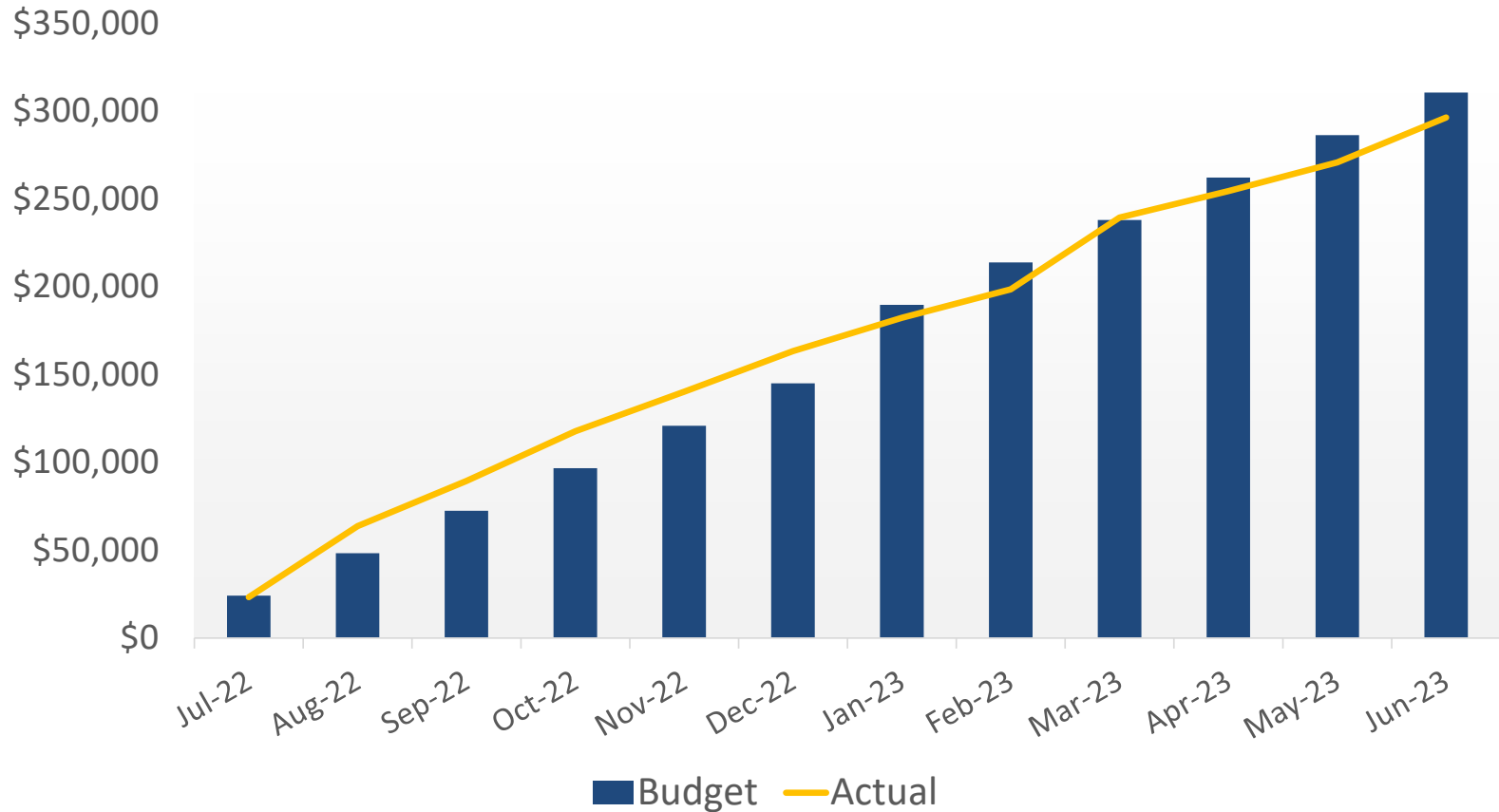
Legal Counsel – Budget-to-Actuals

FY 22-23



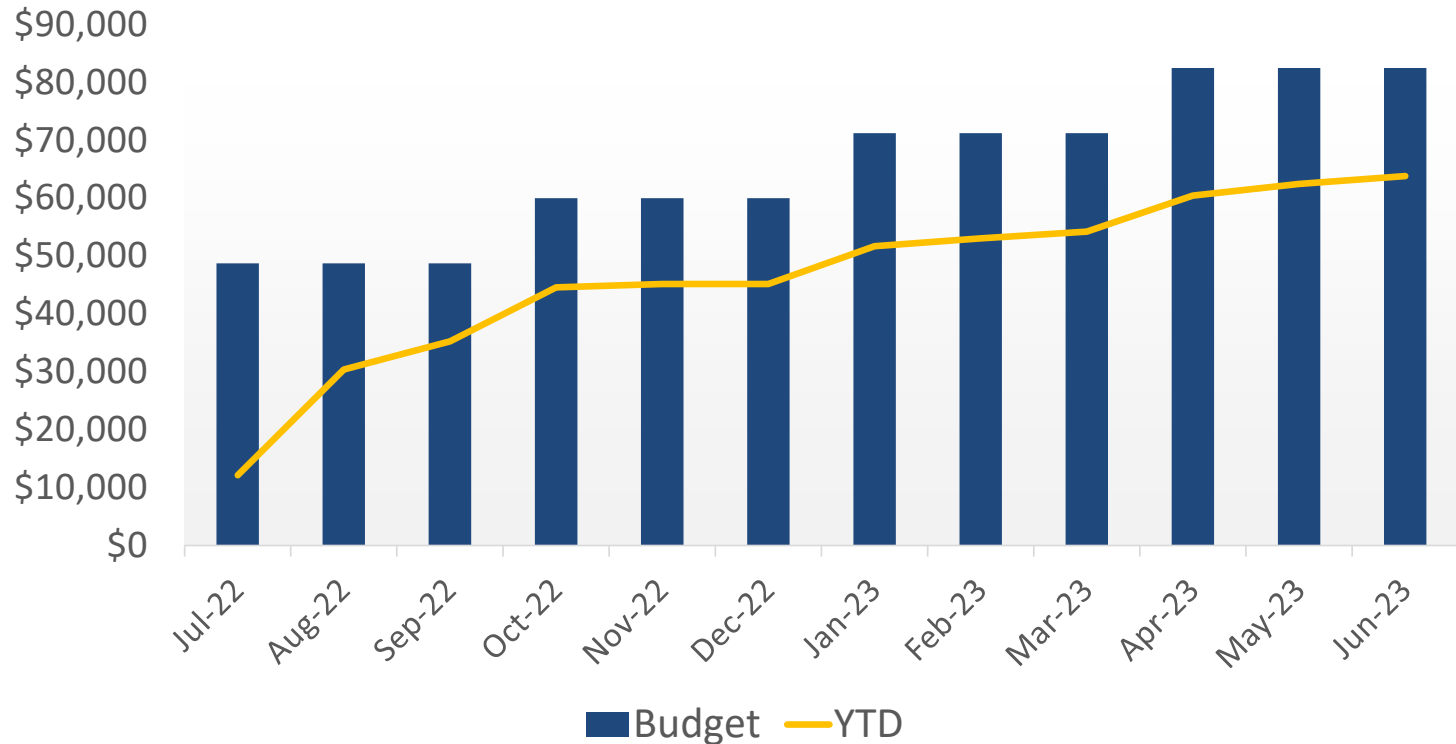
Hallmark Group – Budget-to-Actuals

Task Order No. 8



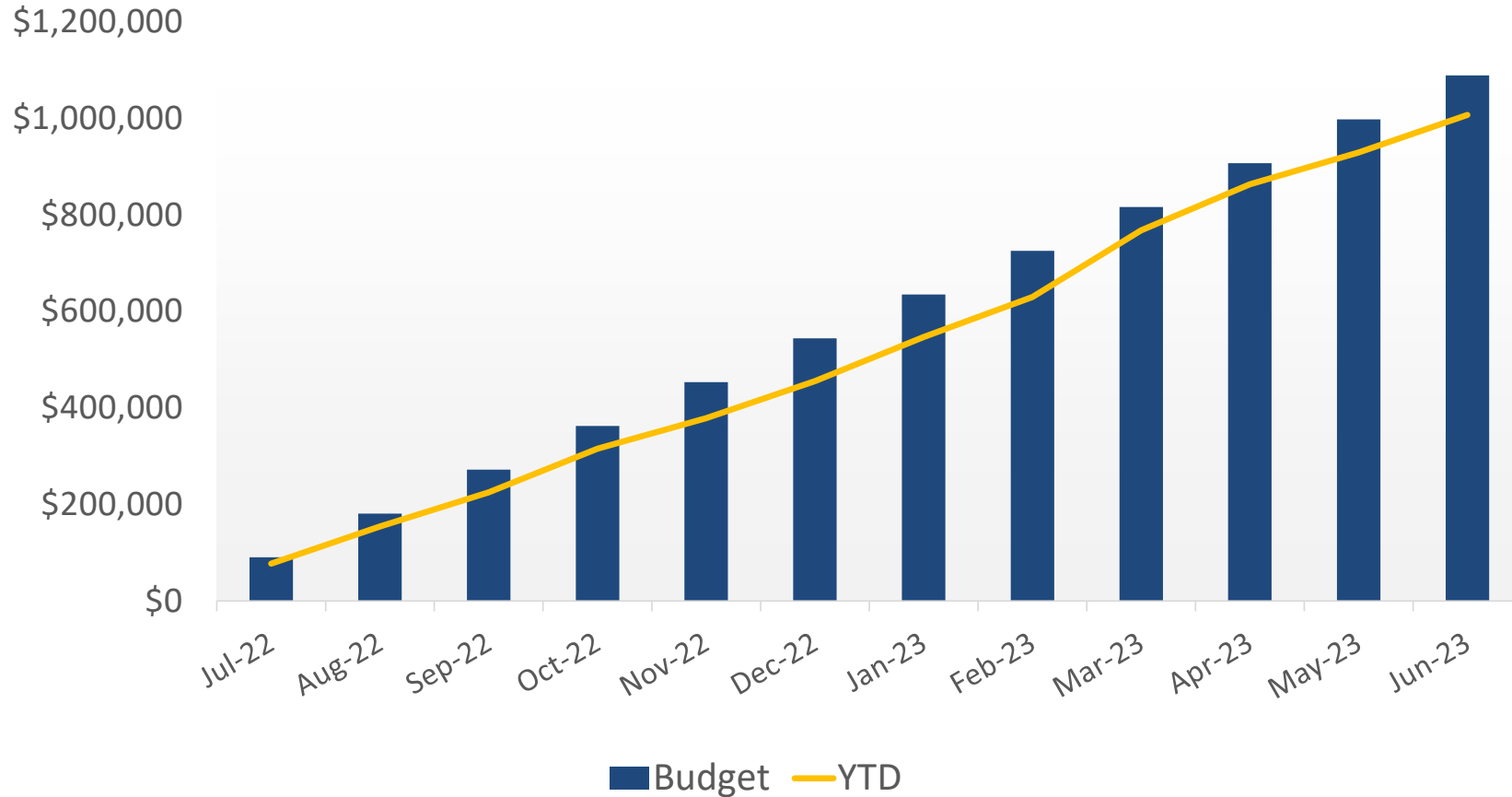
Provost & Pritchard – Budget-to-Actuals

FY 22-23

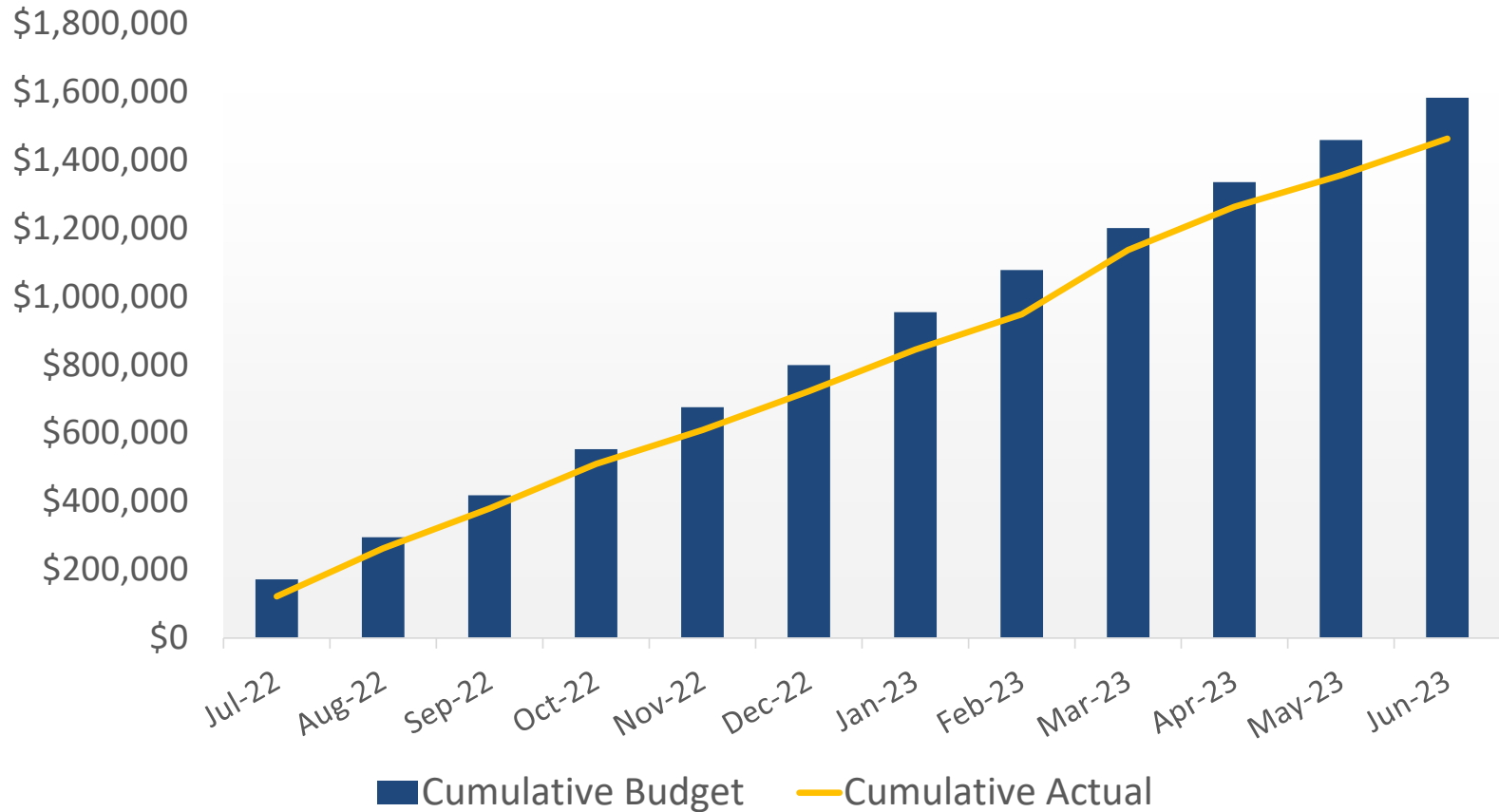


Woodard & Curran – Budget-to-Actuals

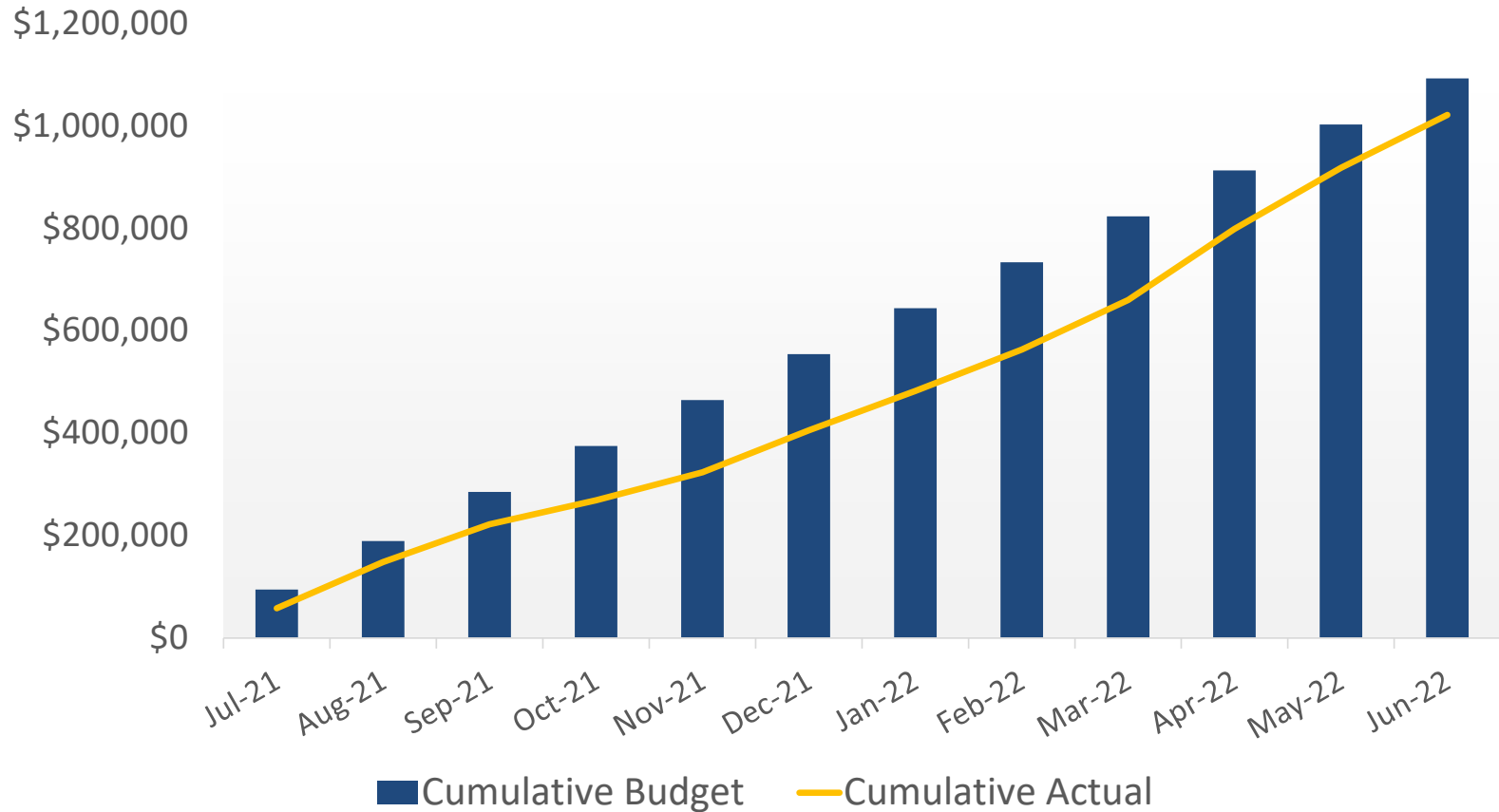
Task Order No. 10



CBGSA FY 22-23 – Budget-to-Actuals



CBGSA FY 21-22 – Budget-to-Actuals



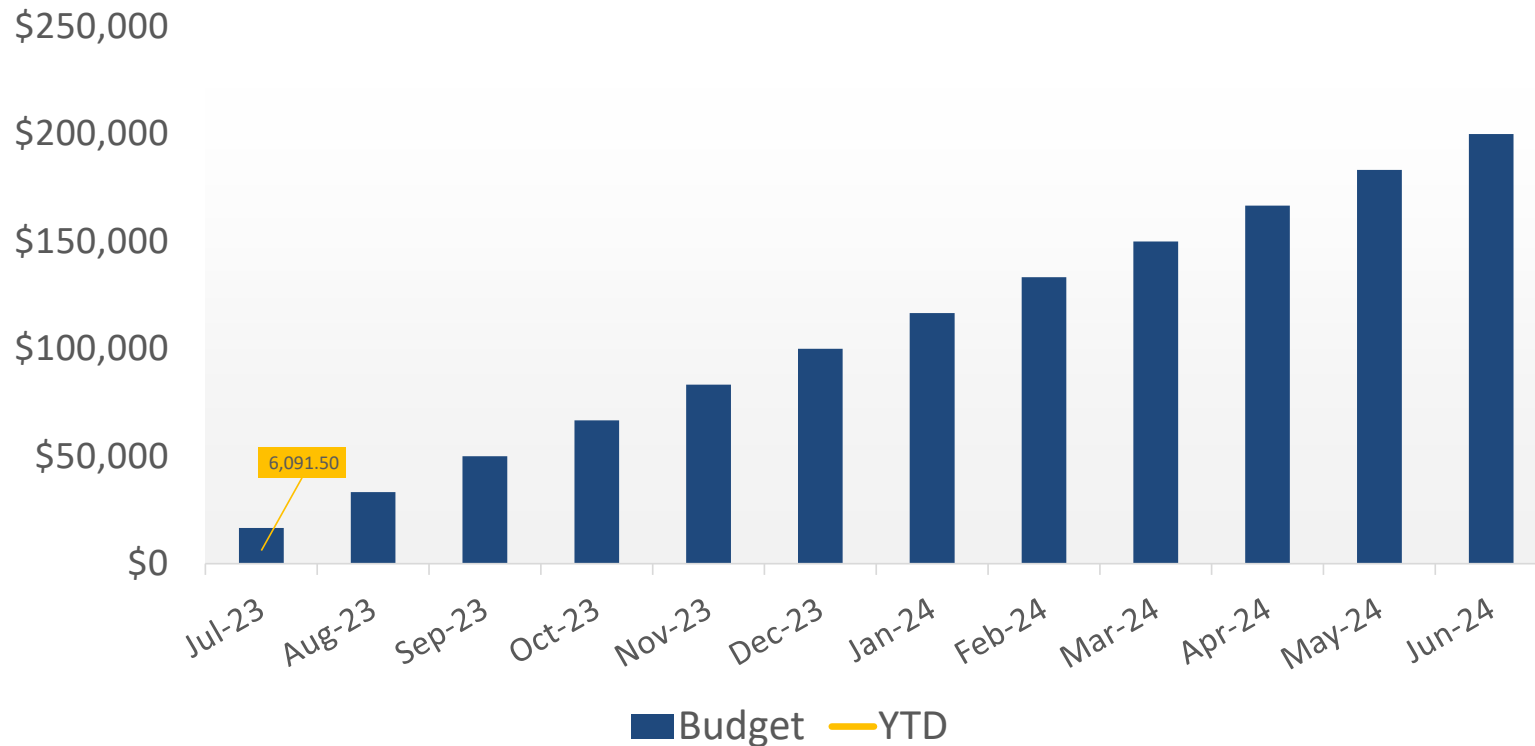
Cuyama Basin Groundwater Sustainability Agency

Financial Report

July 2023

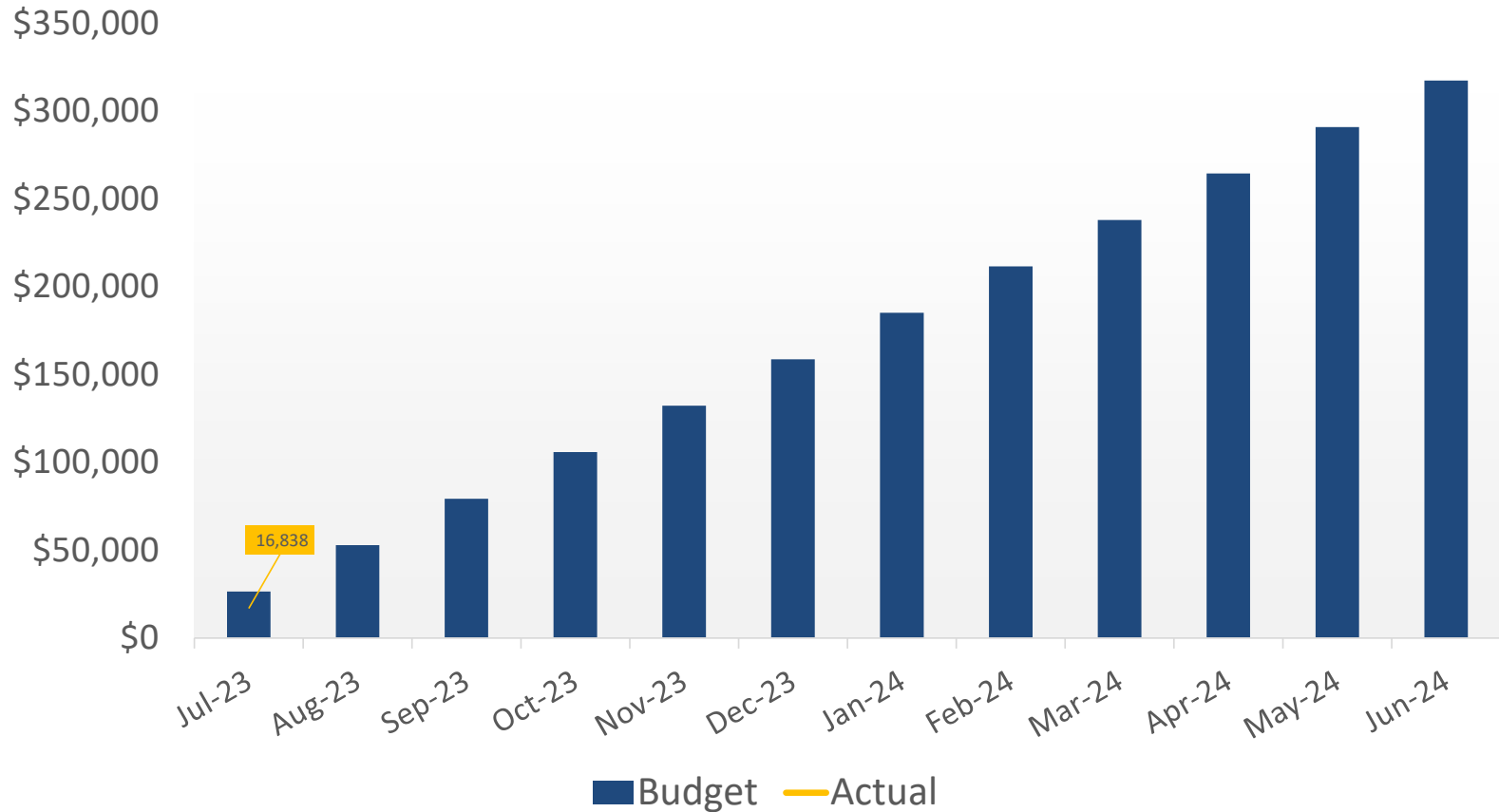
Legal Counsel – Budget-to-Actuals

FY 23/24



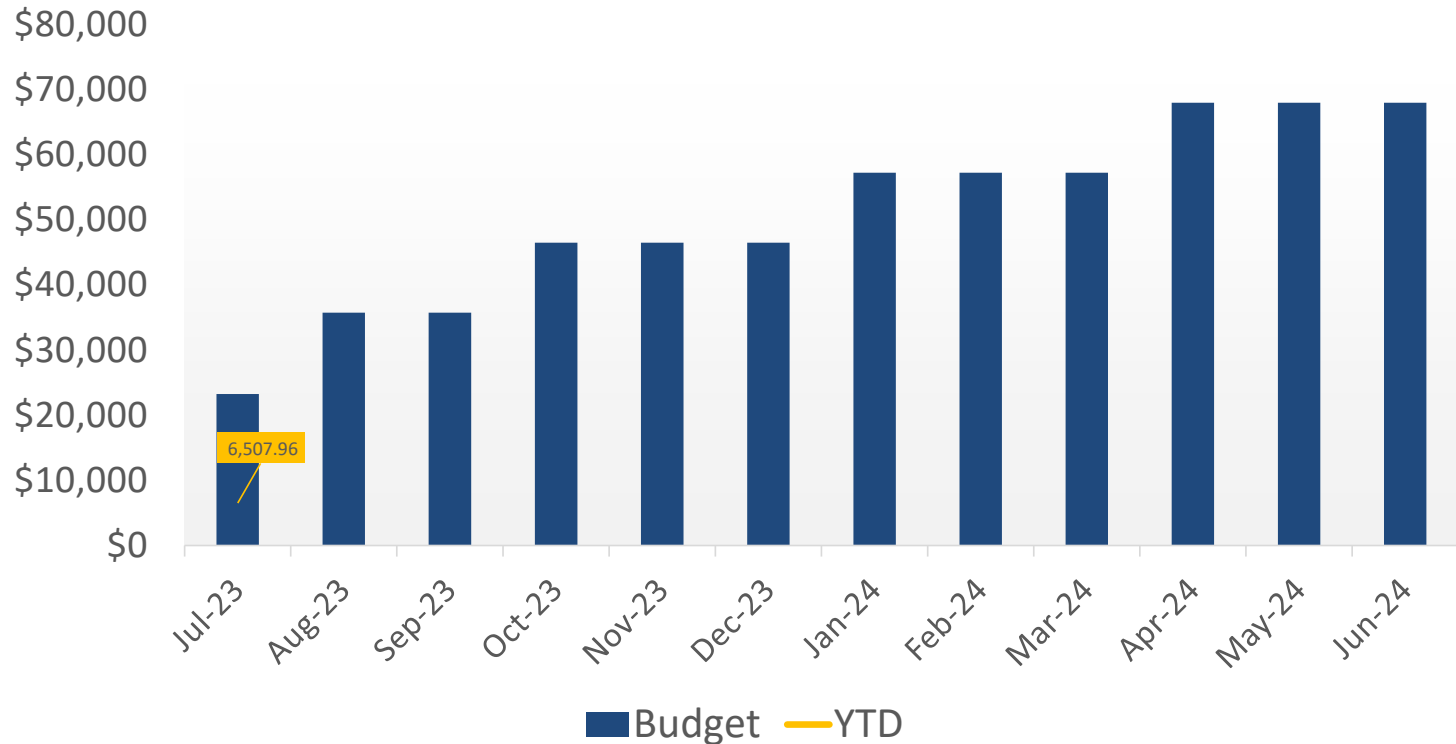
Hallmark Group – Budget-to-Actuals

FY 23/24



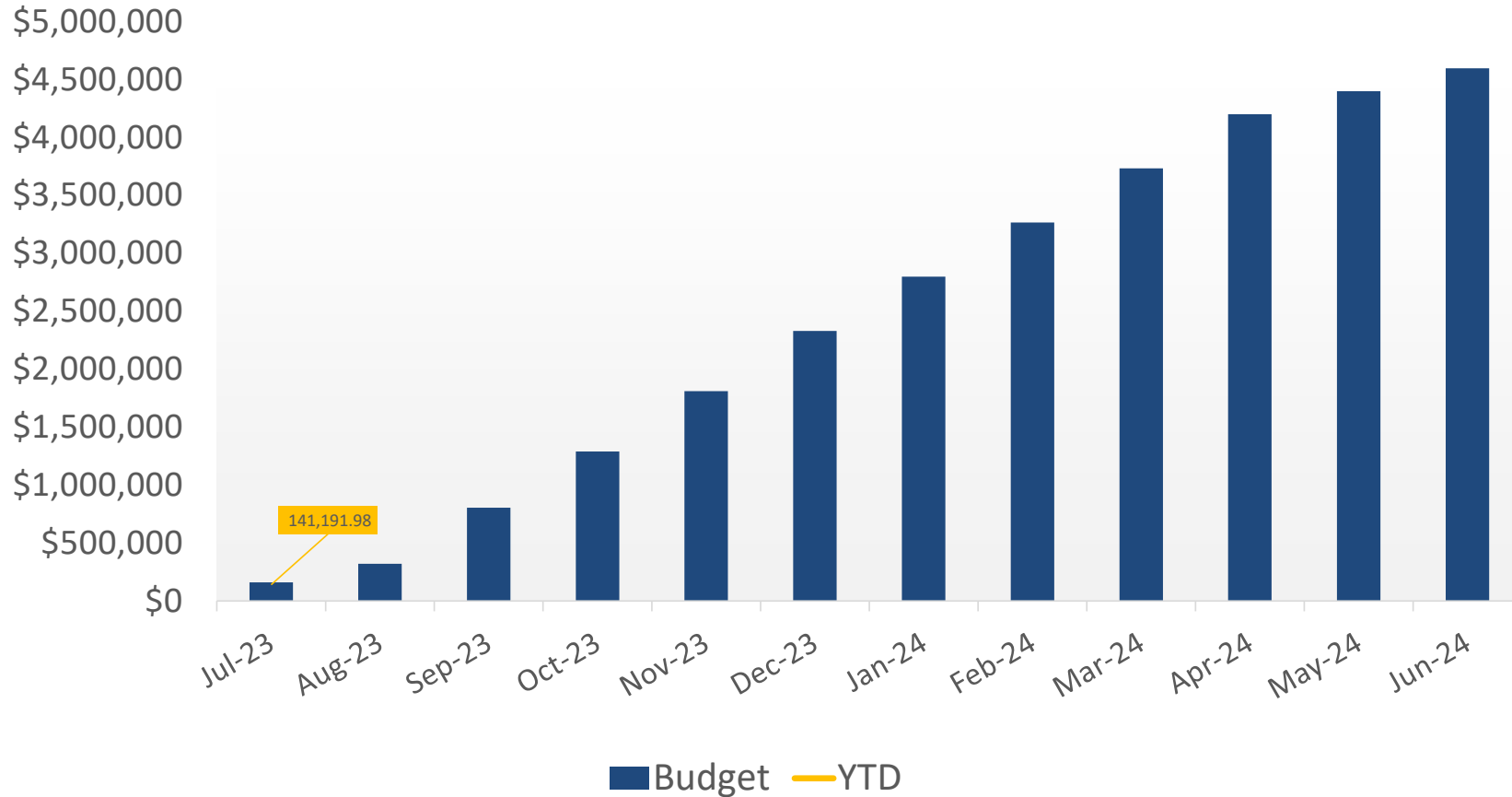
Provost & Pritchard – Budget-to-Actuals

FY 23/24

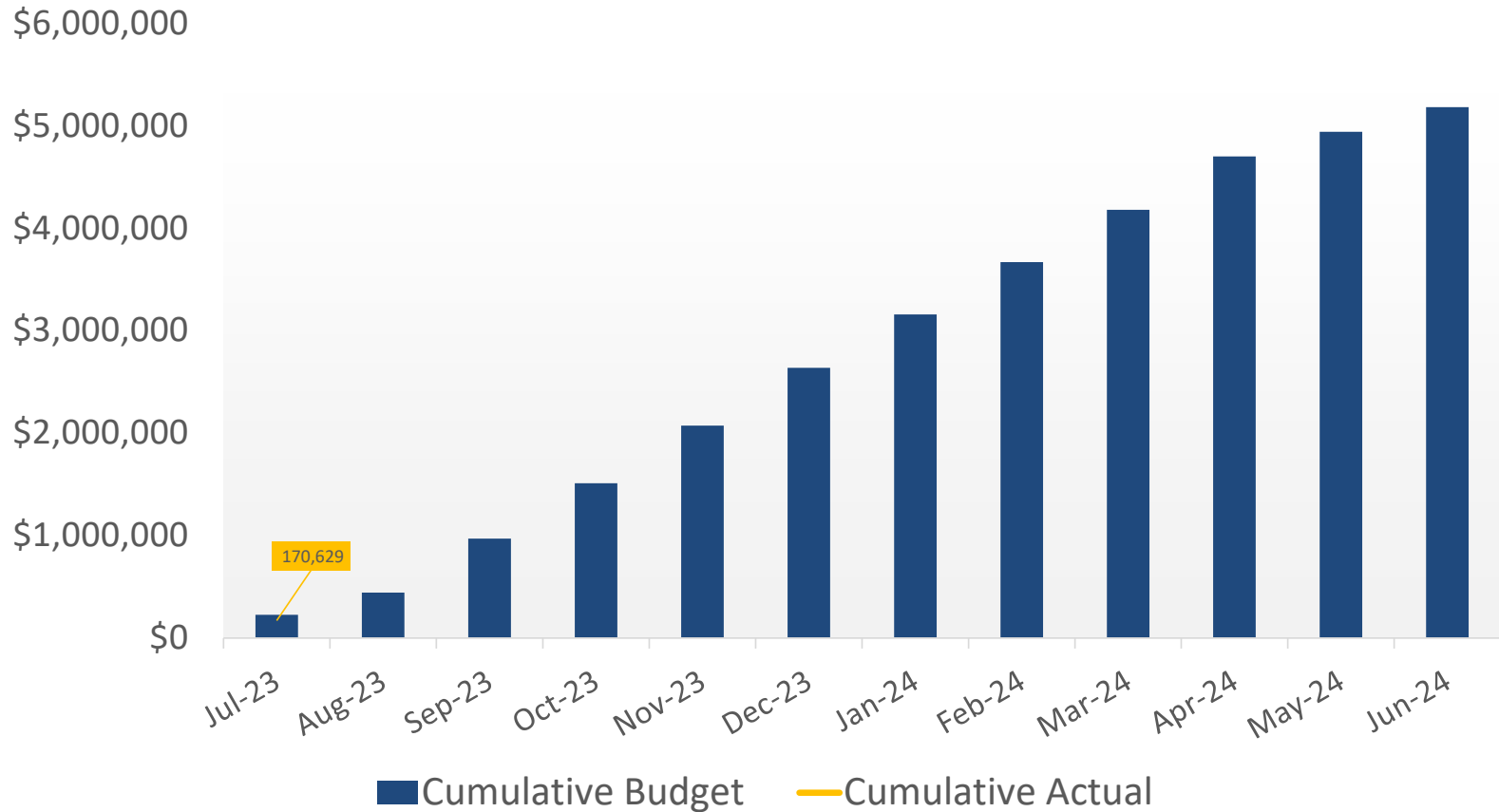


Woodard & Curran – Budget-to-Actuals

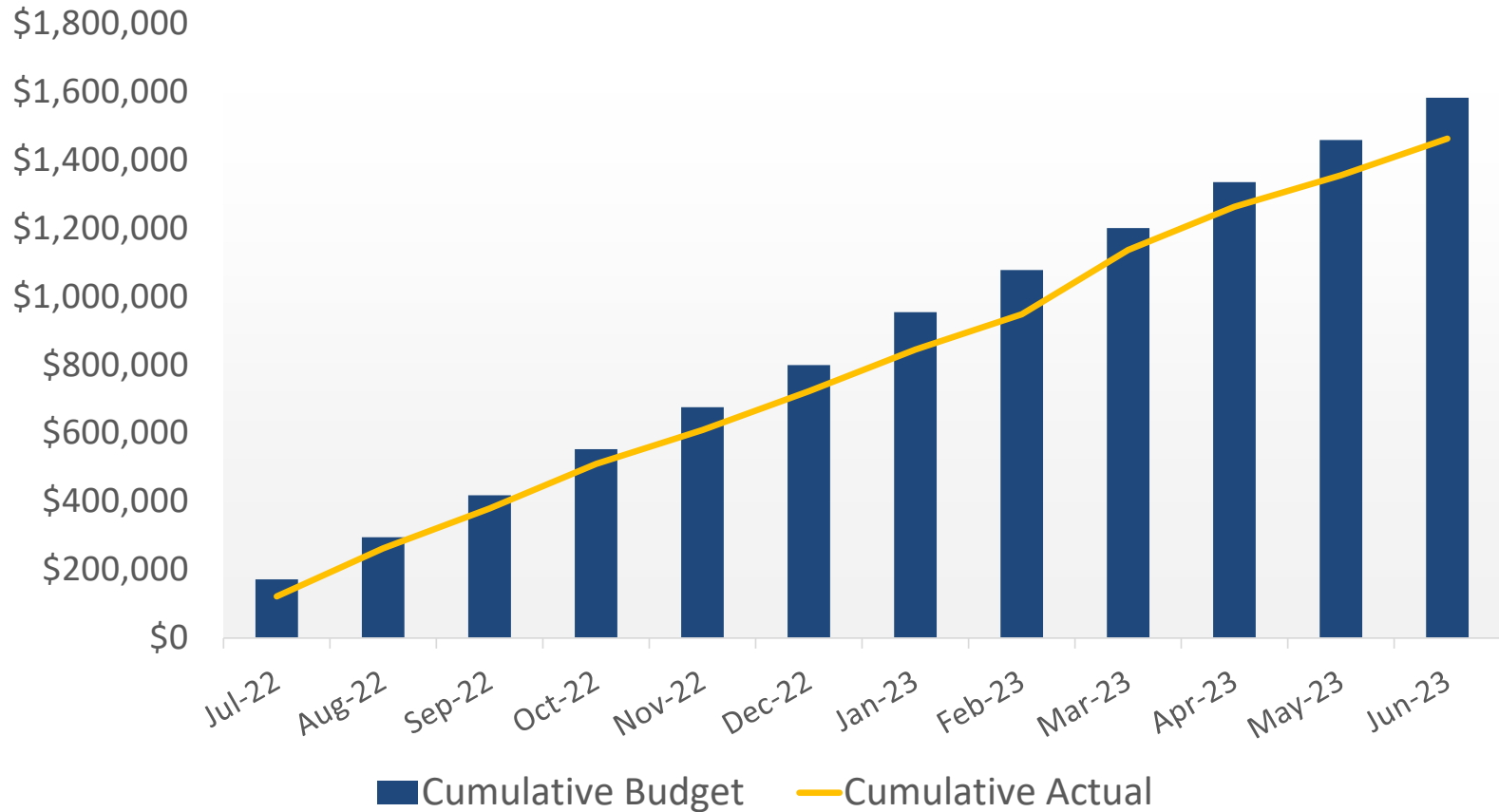
FY 23/24



CBGSA FY 23/24 – Budget-to-Actuals



CBGSA FY 22/23 – Budget-to-Actuals





TO: Board of Directors
Agenda Item No. 14a

FROM: Brian Van Lienden, Woodard & Curran

DATE: September 6, 2023

SUBJECT: 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

14a. Update on Groundwater Sustainability Plan Activities

Brian Van Lienden

September 6, 2023



July-August Accomplishments

Brian Van Lienden

- ✓ Completed permits and agreements for implementation of new monitoring wells and piezometers
- ✓ Reviewed monitoring program data and developed proposal for revision of groundwater levels monitoring network
- ✓ Developed approaches for sustainability criteria, management area boundary and allocation approach for Board consideration
- ✓ Developed agreements for performance of river channel survey and cloud seeding analysis
- ✓ Developed plan for fall 2023 stakeholder workshop
- ✓ Developed grant submittal documents and coordinated with DWR on grant reimbursements



TO: Board of Directors
Agenda Item No. 14b

FROM: Brian Van Lienden, Woodard & Curran

DATE: September 6, 2023

SUBJECT: Update on Modeled Pumping vs User-Reported Pumping

Recommended Motion

None – information only.

Discussion

An update on modeled pumping vs user-reported pumping is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

14b. Update on Model Pumping vs User-reported Pumping

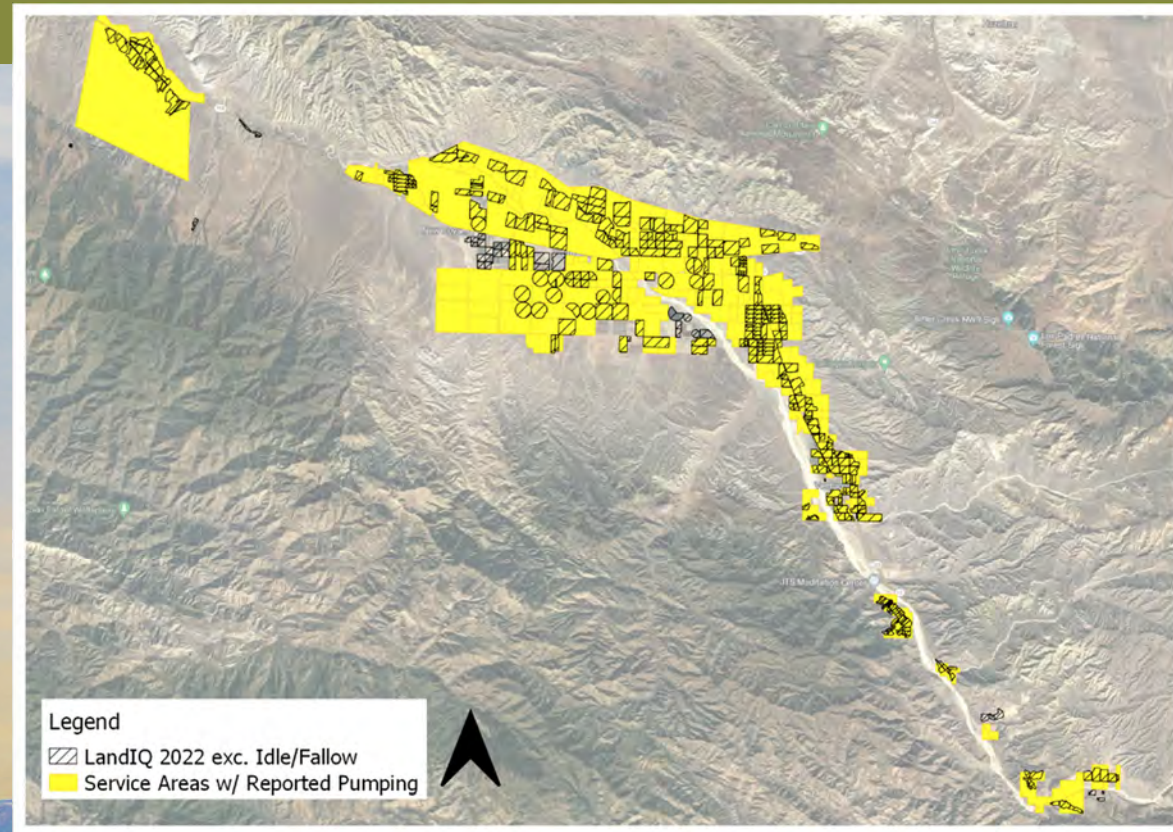
Brian Van Lienden

September 6, 2023



Model Estimated vs User-reported Pumping

- Modeled pumping estimate was compared to reported pumping for Jan-Sep 2022
- Data was compared for each reporting operating company
- Potential issues were observed in the reported APNs for some landowners – these will need to be reviewed and addressed



DRAFT – For discussion purposes

Potential Causes of Differences Between Model Estimate and Reported Pumping in 2022

- Differences in Land Use Assumptions
 - In 2022 land use, the landowner reported “Cover Mix” crop type was classified as an irrigated misc. field crop
 - Small discrepancy in GIS mapping for some fields (field area vs. pivot area)
 - A revised model run was developed with these changes (see chart at right)
- Water use for non-irrigated land use types (to be discussed in later slides)

Agricultural Pumping 01/2022 – 09/ 2022	Annual Report Model Estimate (AF)	Revised Land Use Model Estimate (AF)	Reported (AF)
Total in Reported Area	54,700	47,500	38,500
Outside Reported Area	3,900	3,900	N/A
Total for Entire Basin	58,600	51,400	N/A

DRAFT – For discussion purposes

2022 Land Use Revision (continued)

- 2022 Land Use in the Annual Report model was revised to adjust the crop designation and GIS mapping issues
- These revisions will result in minimal changes to land use for years prior to 2022

2022 Crop Type (acres)	Annual Report	Revised	Land IQ*
Idle / Fallow ↑	12,065	18,261	19,296
Carrot ↓	9,599	7,199	6,256
Field (inc. grain) ↓	5,334	1,537	1,445
Truck (inc. cole)	1,337	1,337	1,359
Other	5,656	5,656	5,635

* Some fields reported by the landowner as idle was identified as carrot in LandIQ.

DRAFT – For discussion purposes

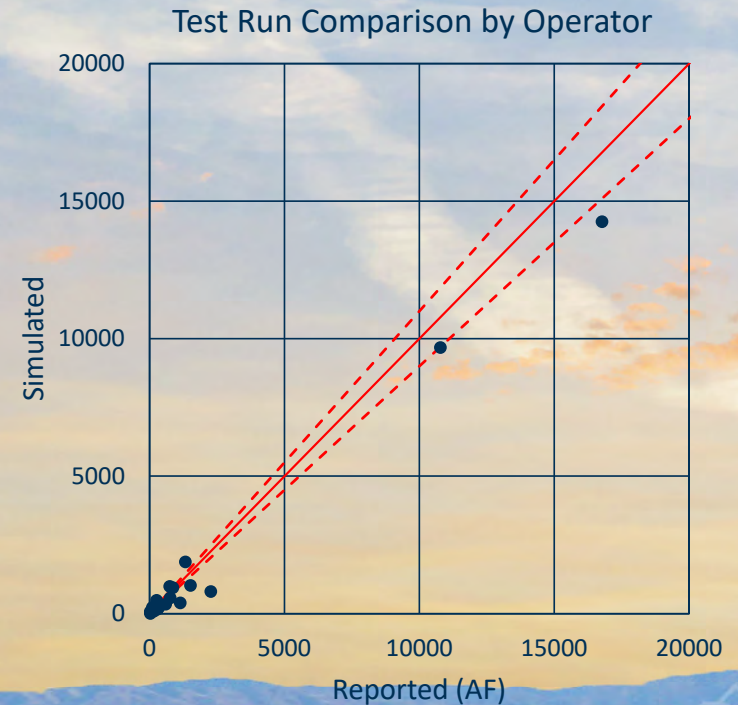
Test Run for Non-irrigated Land Use Types

- Discussions with operators indicated that some land use types (field crops, grains, pasture, idle) receive less irrigation than is reflected by the model.
- A test run was made by turning off the irrigation for the following crop types:
 - Field crops
 - Grain
 - Pasture
 - Safflower
 - Idle

DRAFT – For discussion purposes

Test Run for Non-irrigated Land Use Types (continued)

Agricultural Pumping 01/2022 – 09/2022	Annual Report Model Estimate (AF)	Revised Land Use Model Estimate (AF)	Reported (AF)	Test Run (AF)
Total in Reported Area	54,700	47,500	38,500	32,700
Outside Reported Area	3,900	3,900	N/A	1,300
Total for Entire Basin	58,600	51,400	N/A	34,000



DRAFT – For discussion purposes

Recommendations

- Reach out to Operating Companies & Landowners to clarify service areas and the discrepancy between reported and Land IQ land use
- Use the revised land use for 2022 to update the reported values for the WY 2022-23 Annual Report
- Implement changes regarding water use for non-irrigated land use types during model update & recalibration in early 2024. 2023 pumping data will also become available at that time.

DRAFT – For discussion purposes



TO: Board of Directors
Agenda Item No. 14c

FROM: Brian Van Lienden, Woodard & Curran

DATE: September 6, 2023

SUBJECT: Update on Grant-Funded Projects

Recommended Motion

None – information only.

Discussion

An update on Cuyama Basin Groundwater Sustainability Agency (CBGSA) Grant-Funded Projects is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

14c. Update on Grant-Funded Projects

Brian Van Lienden

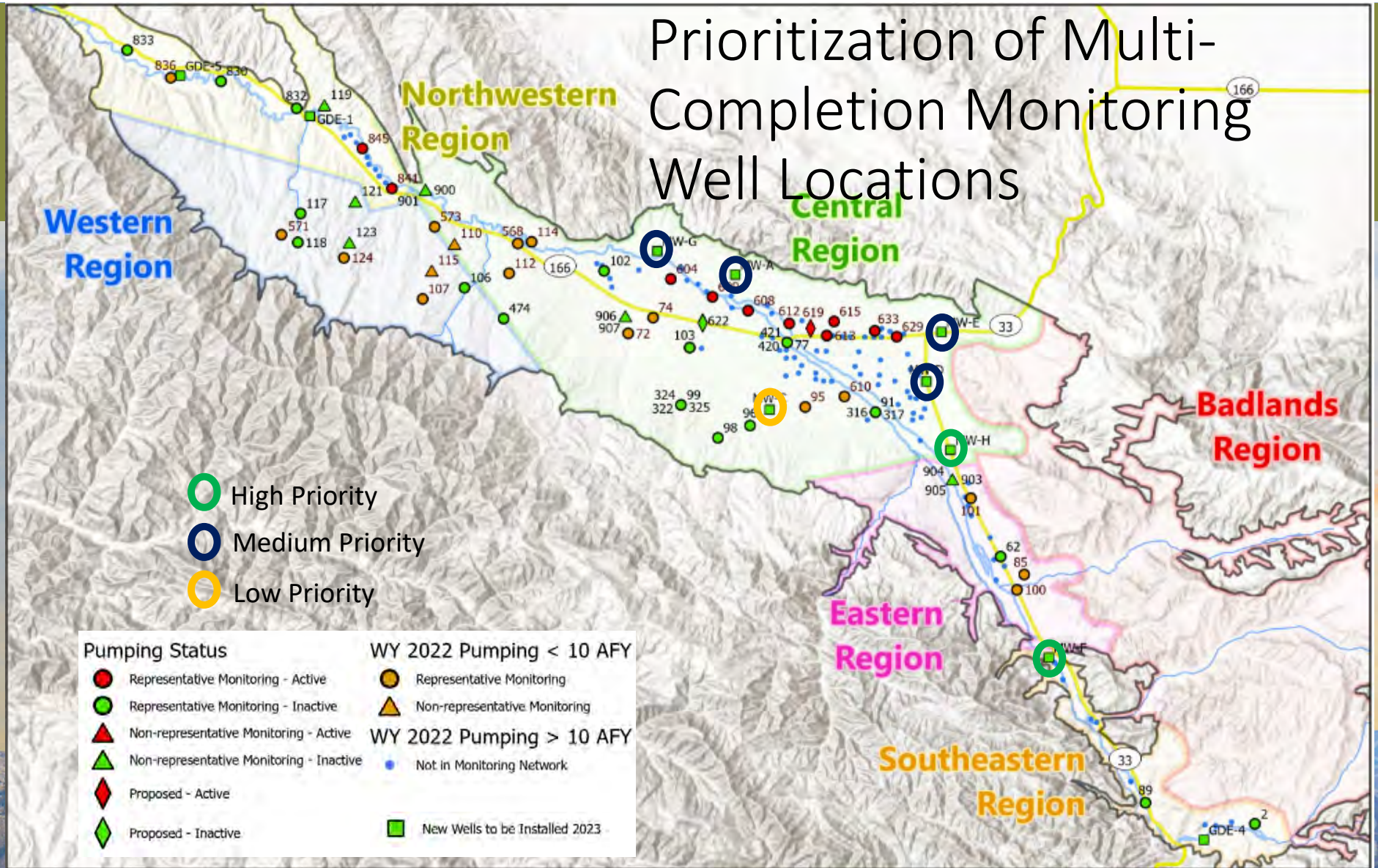
September 6, 2023



Status of Monitoring Well and Piezometer Installation Planning

- **Piezometer (GDE) Locations:**
 - Planning to mobilize driller on September 11
 - Permits/agreements are in place at 2 locations (GDE-4 and GDE-5)
 - Permits/agreements at 1 location is in process (GDE-1)
- **Multi-Completion Monitoring Well Locations:**
 - Planning to mobilize driller on September 18
 - Permits/agreements are in place at 2 locations
 - Permits/agreements are in process at 5 locations
 - Working with Caltrans on encroachment permits for locations D and H
 - Working with landowner to finalize agreements at locations A, E and G

Prioritization of Multi-Completion Monitoring Well Locations



Plan and Prioritization for Multi-Completion Monitoring Wells

- The objective is to install at least 1 well at each of the 7 nest locations
 - Installation at 7 locations may be achievable within the budget by installing only 1 or 2 wells at most nest locations; this should be acceptable because of the depth to water at these locations

- Recommendation:

Location	Approximate Depth to Water (Spring 2022)	Recommended # of Completions
MW-A	400-600	2
MW-C	500-600	1
MW-D	600-650	2
MW-E	400-600	2
MW-F	30-80	3
MW-G	400-600	2
MW-H	400-450	3

Other Updates

- **River Channel Survey**
 - Flight to be performed in September; data will be available in November
- **CIMIS/Weather Stations**
 - Woodard & Curran will coordinate with DWR regarding potential locations discussed with landowners
- **Land Use**
 - LandIQ performed ground-truthing during first week of September; this will inform the 2023 cropping data that they provide at the end of the year



TO: Board of Directors
Agenda Item No. 14d

FROM: Brian Van Lienden, Woodard & Curran

DATE: September 6, 2023

SUBJECT: Update on Active Well Dataset

Recommended Motion

None – information only.

Discussion

An update on the active well dataset is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

14d. Update on Active Well Dataset

Brian Van Lienden

September 6, 2023



Update on Active Well Dataset

- The confirmed active well dataset is posted on the Cuyama Basin website
- Data on wells has been collected from multiple sources:
 - Initial data collection for GSP (USGS/DWR/counties/CCSD/local landowners)
 - County well permit databases
 - GSA metering program
 - Landowner survey (voluntary)
 - Groundwater extraction fee reporting (i.e. de minimis wells)
- The dataset uploaded in advance of the July meeting was missing data due to an issue with the translation from ArcGIS Pro to the Google maps file format; this has now been corrected and additional review was performed to ensure that all provided data has been included
- Stakeholder input is still welcome to improve the dataset
- Link: <https://www.google.com/maps/d/u/2/viewer?mid=1AGTzyBEfP-AGvFwyMmZCx-4eoc995mY&ll=34.9520046667195%2C-119.697589499999999&z=10>



TO: Board of Directors
Agenda Item No. 14e

FROM: Brian Van Lienden, Woodard & Curran

DATE: September 6, 2023

SUBJECT: Update on July 2023 Groundwater Conditions Report

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 July 2023 Groundwater Conditions Report is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

14e. Update on Quarterly Groundwater Conditions Report

Brian Van Lienden

September 6, 2023

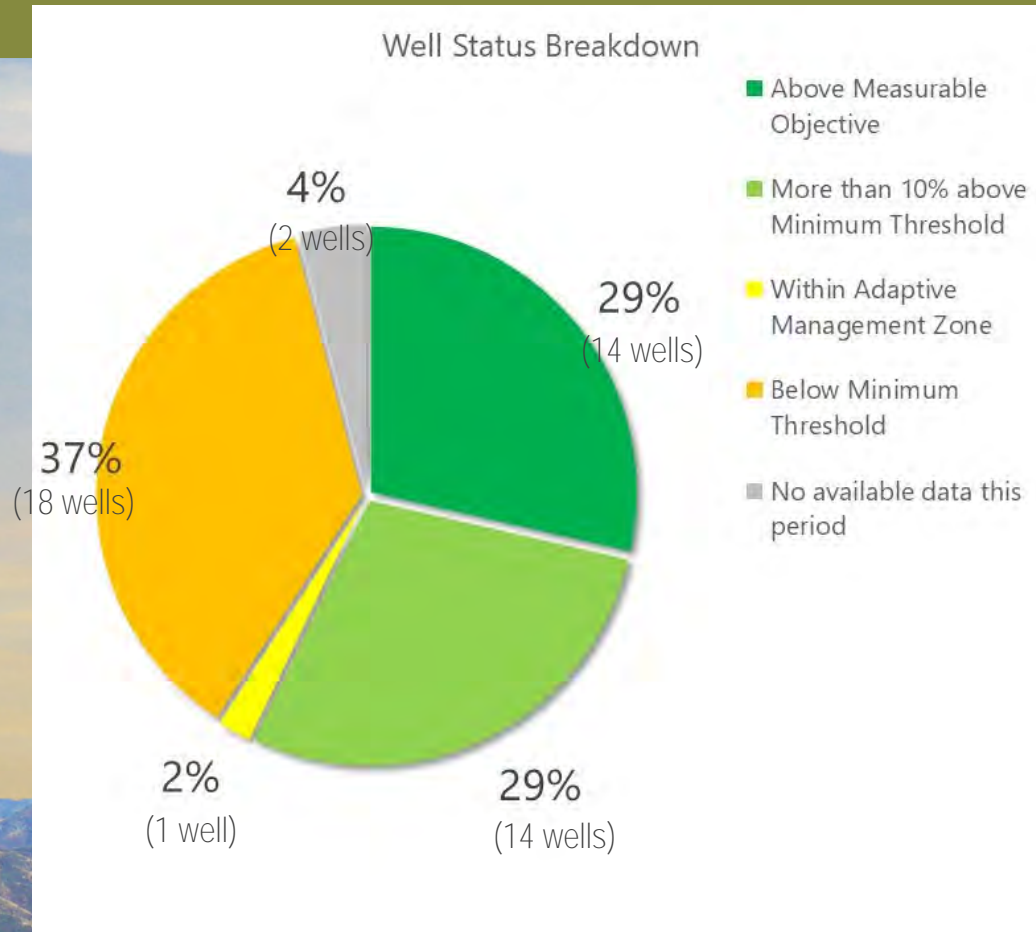
July Report

Groundwater Levels Monitoring Network – Summary of Current Conditions

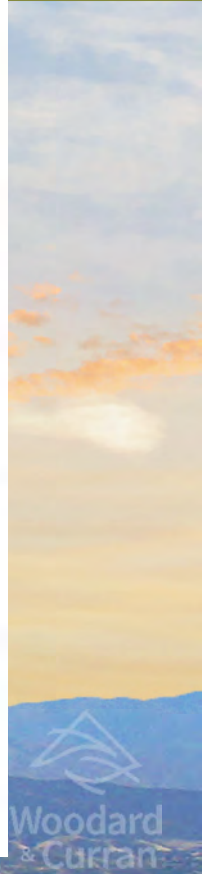
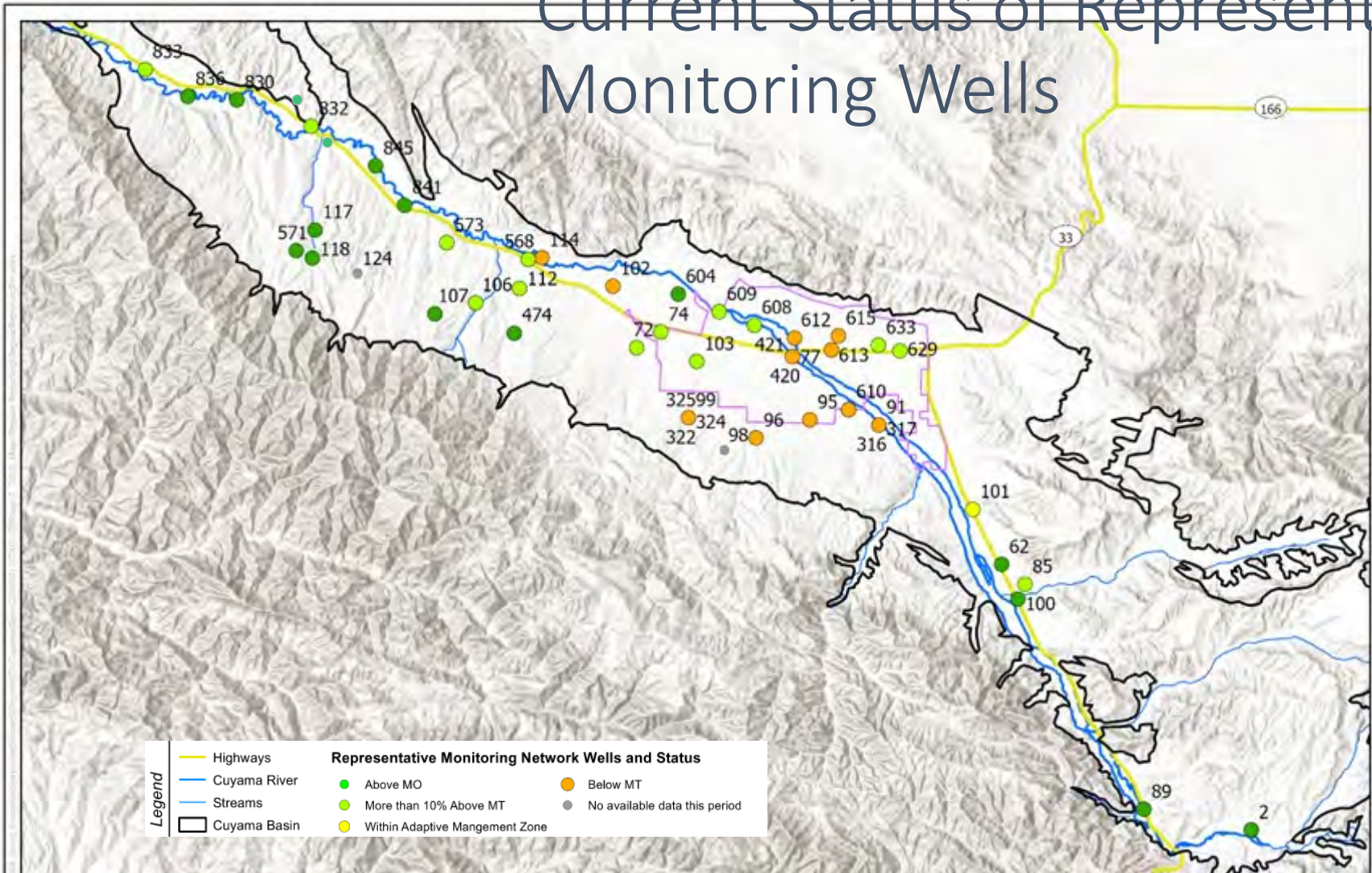
- Monitoring data from January 2023, April 2023 and July 2023 for representative wells is included in the Groundwater Conditions report
- 47 of 49 representative monitoring wells have levels data in at least one out of the previous 12 months
- 18 wells were below the minimum threshold based on latest measurement since October 2022

Summary of Groundwater Well Levels as Compared To Sustainability Criteria

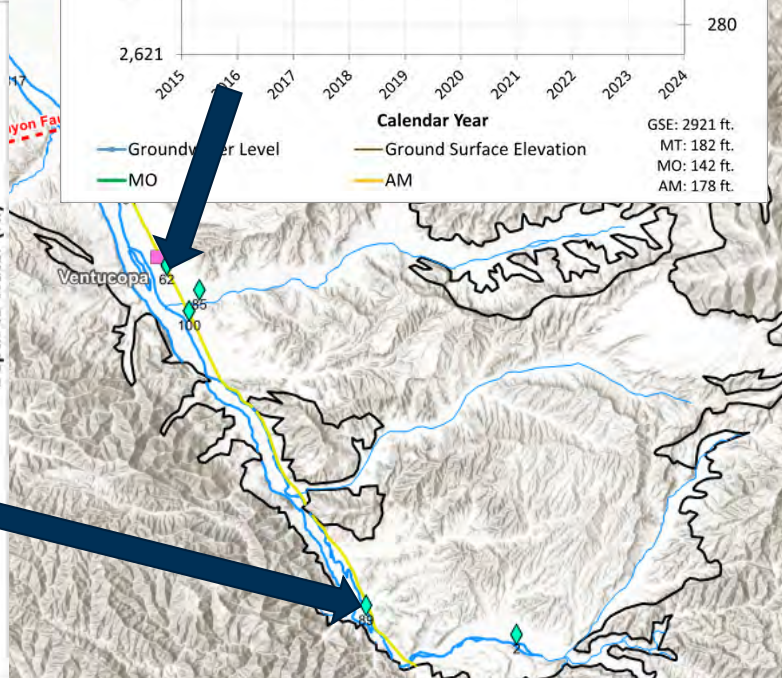
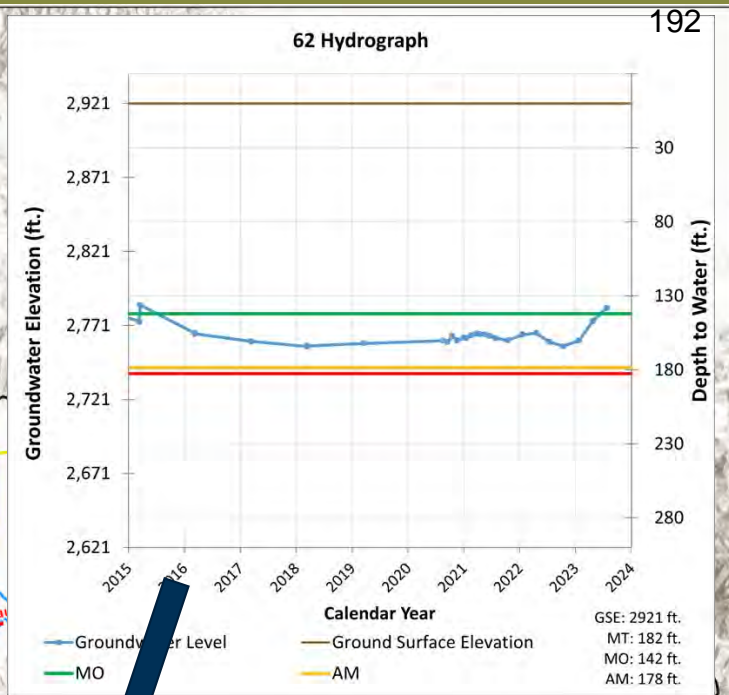
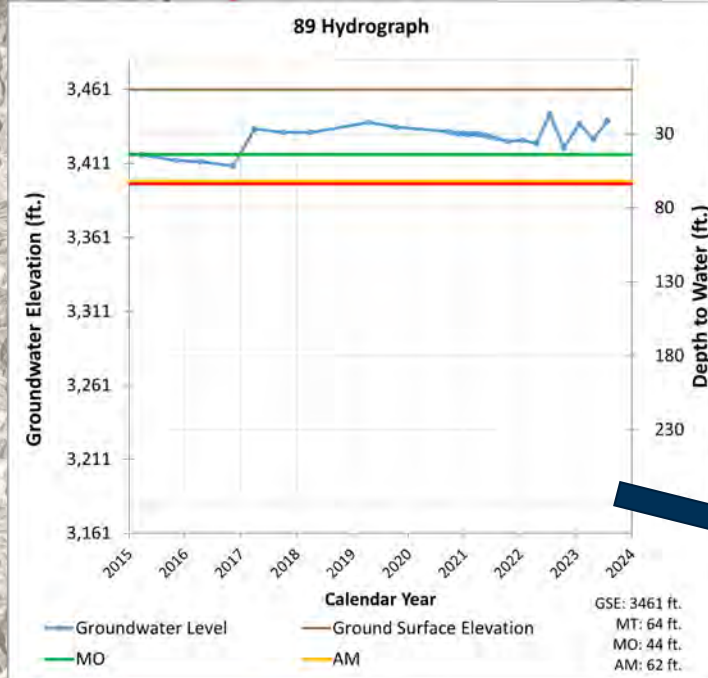
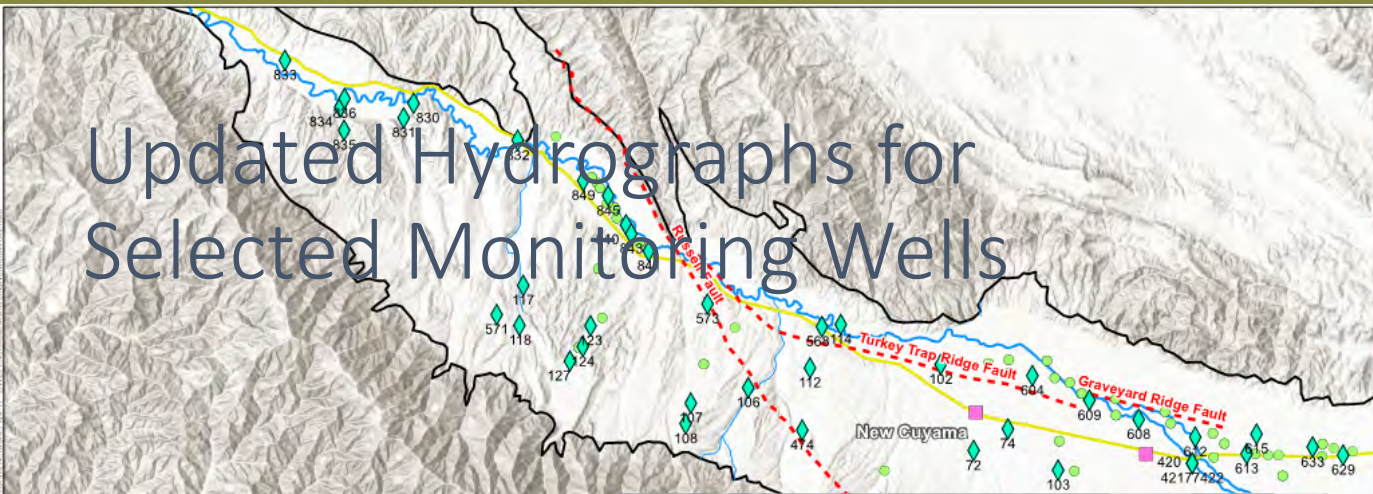
- 17 wells are currently below minimum threshold (MT)
 - 30% of wells (i.e. 15 wells) below MT for 1 month
 - 5 wells dropped below the MT since April
 - 4 wells increased to above the MT since April



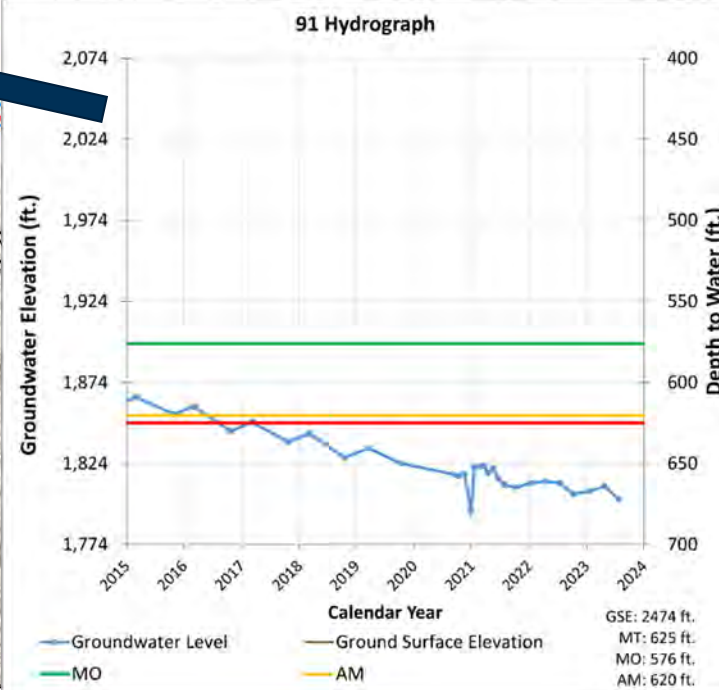
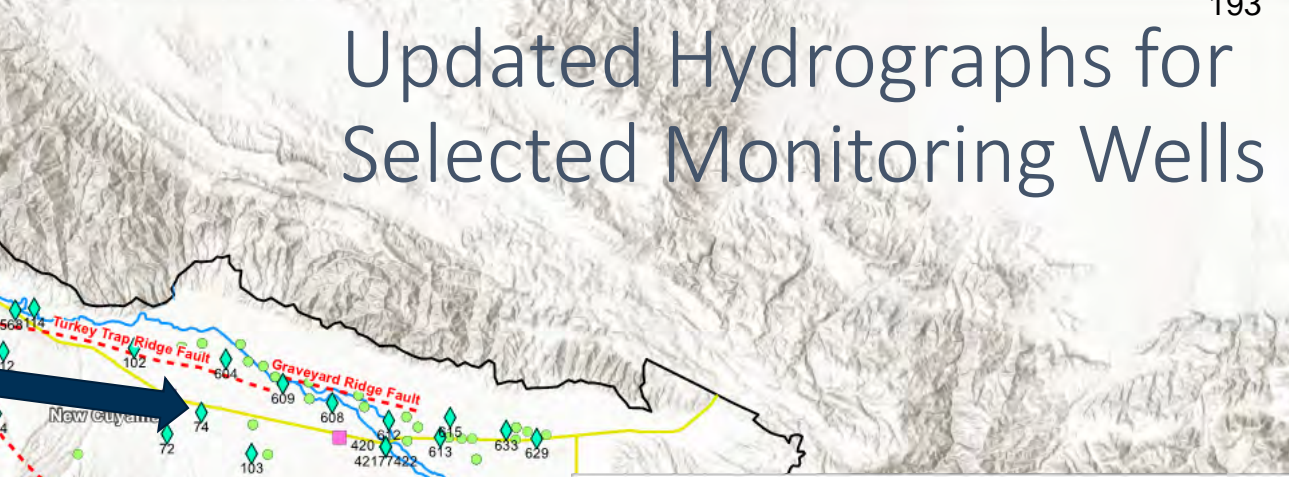
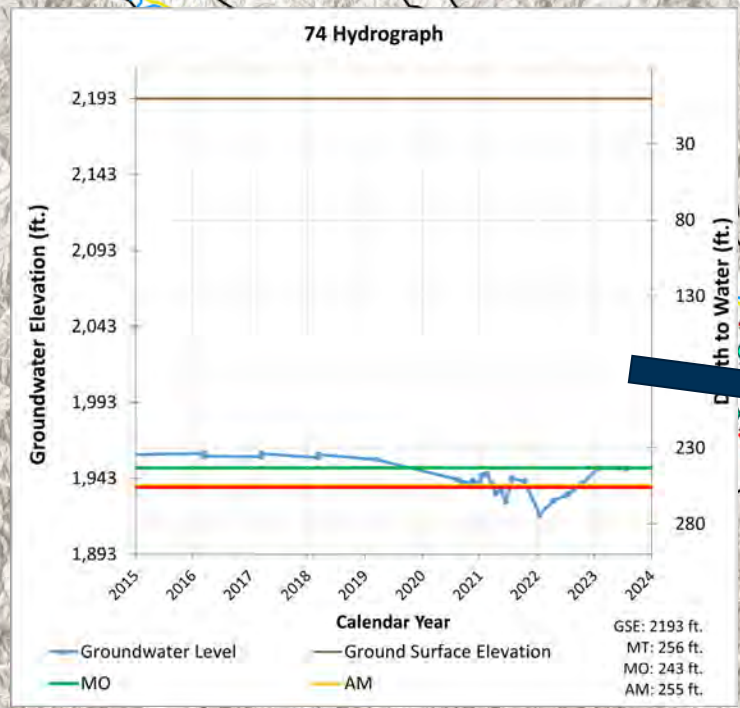
Current Status of Representative Monitoring Wells



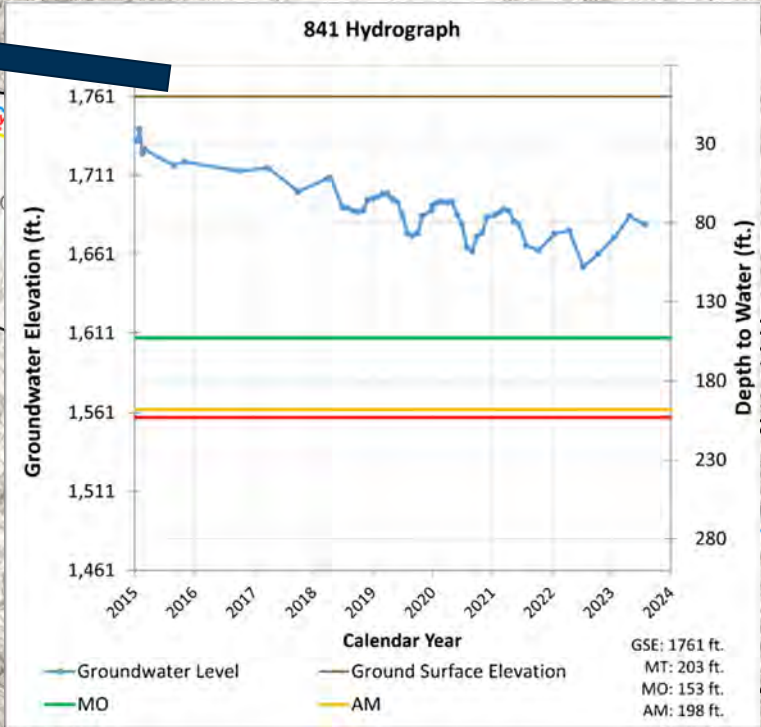
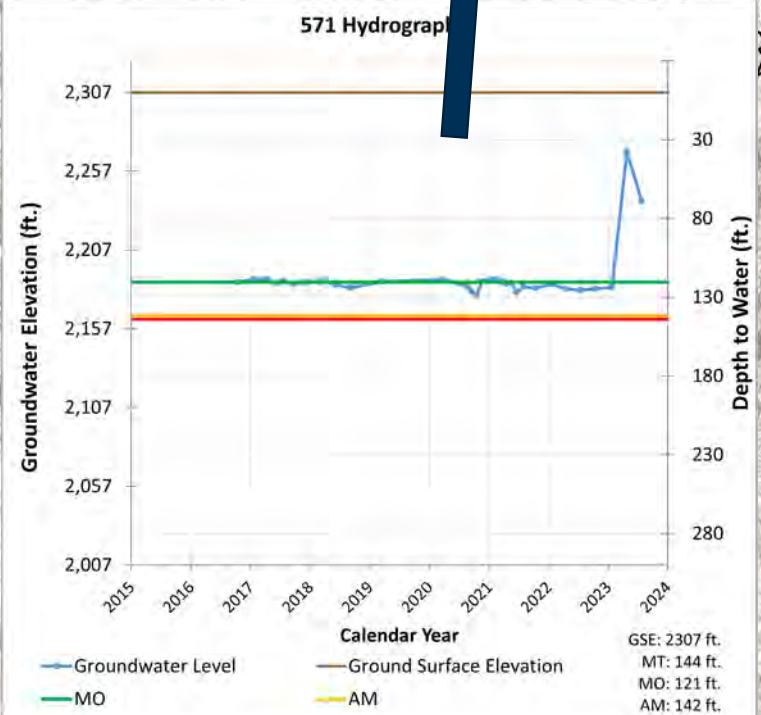
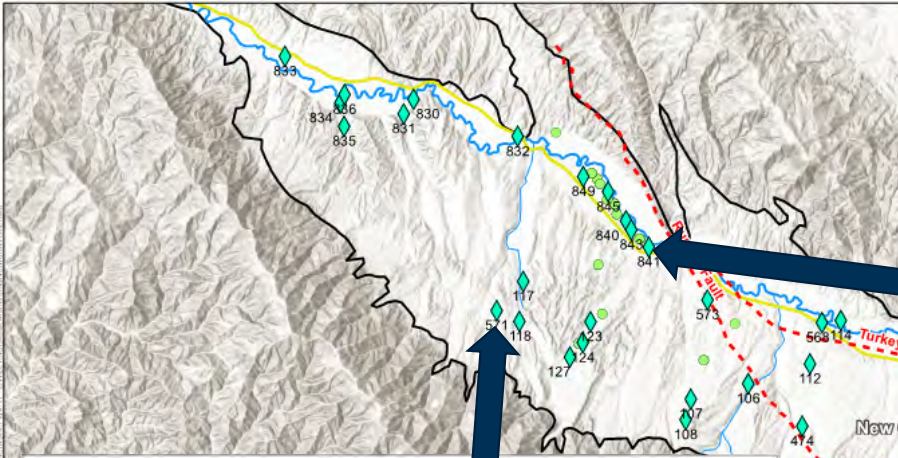
Updated Hydrographs for Selected Monitoring Wells



Updated Hydrographs for Selected Monitoring Wells



Updated Hydrographs for Selected Monitoring Wells





**GROUNDWATER
CONDITIONS
REPORT –
CUYAMA VALLEY
GROUNDWATER
BASIN**

July 2023

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Sacramento, CA
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**Cuyama Basin
Groundwater
Sustainability Agency**

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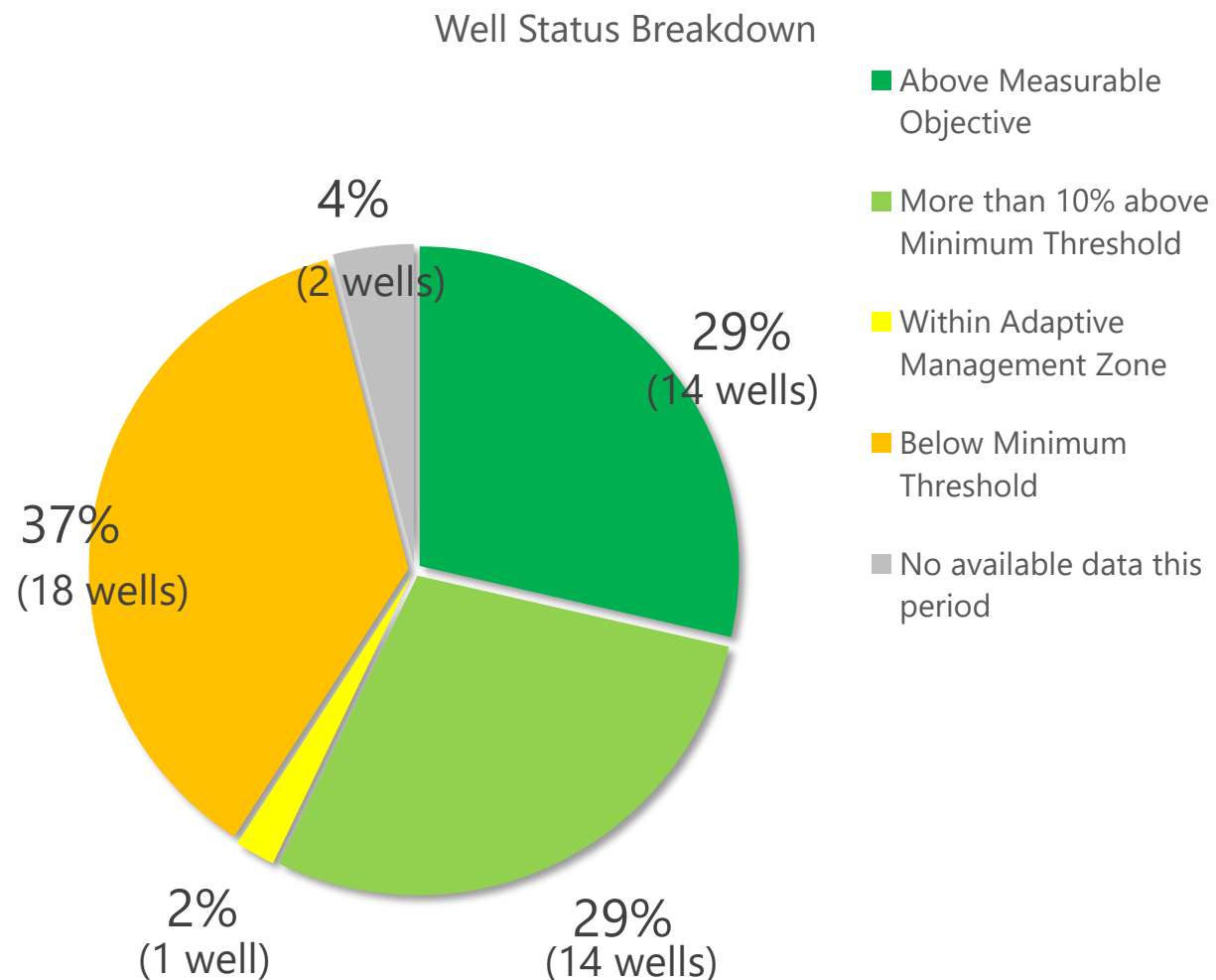
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1. INTRODUCTION

This report is intended to provide an update on the current groundwater level conditions in the Cuyama Valley Groundwater Basin. This work is completed by the Cuyama Basin Groundwater Sustainability Agency (CBGSA), in compliance with the Sustainable Groundwater Management Act (SGMA).

2. SUMMARY STATISTICS



There are currently 18 wells with groundwater levels exceeding minimum thresholds. As outlined in the GSP, undesirable results for the chronic lowering of groundwater levels occurs, "when 30 percent of representative monitoring wells... fall below their minimum groundwater elevation threshold for two consecutive years." (Cuyama GSP, pg. 3-2). Currently, 30% of representative monitoring wells (i.e. 15 wells) have been below the minimum threshold for 1 or more consecutive months.

3. CURRENT CONDITIONS

Table 1 includes the most recent groundwater level measurements taken in the Cuyama Basin from representative wells included in the Cuyama GSP Groundwater Level Monitoring Network, as well as the previous two measurements. Table 2 includes all of the wells and their current status in relation to the thresholds applied to each well. This information is also shown on Figure 1.

All measurements have also been incorporated into the Cuyama DMS, which may be accessed at <https://opti.woodardcurran.com/cuyama/login.php>.

Table 1: Recent Groundwater Levels for Representative Monitoring Network

Well	Region	Jan-23	Apr-23	Jul-23	Last Year		Annual Elevation Change (ft)
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
72	Central	2036	2019	2016	2010	Jul-22	6
74	Central	1949	-	1949	1932	Jul-22	17
77	Central	1808	1798	1781	1772	Jul-22	10
91	Central	1807	1810	1802	1812	Jul-22	-10
95	Central	-	-	1837	1841	Jul-22	-4
96	Central	2270	2275	2269	2270	Jul-22	-1
98	Central	-	-	-	-	-	-
99	Central	2160	2223	2181	2178	Jul-22	3
102	Central	-	-	1598	-	-	-
103	Central	2041	2045	2035	2014	Jul-22	22
112	Central	-	2053	2053	2053	Jul-22	0
114	Central	-	-	-	1878	Jul-22	-
316	Central	1806	1808	1803	1811	Jul-22	-8
317	Central	-	-	1805	1813	Jul-22	-8
322	Central	2155	2222	2174	2169	Jul-22	5
324	Central	2181	2220	2189	2187	Jul-22	2
325	Central	2203	2222	2202	2201	Jul-22	1
420	Central	1807	1795	1780	1768	Jul-22	12
421	Central	1806	1802	1787	1789	Jul-22	-1
474	Central	2206	2202	2206	2203	Jul-22	2



Well	Region	Jan-23	Apr-23	Jul-23	Last Year		Annual Elevation Change (ft)
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
568	Central	1828	1870	1869	1852	Jul-22	17
604	Central	1655	1656	1669	-	-	-
608	Central	-	-	1799	-	-	-
609	Central	1713	1705	1727	1692	Jul-22	35
610	Central	1812	1813	1806	1801	Jul-22	5
612	Central	1792	1801	1779	-	-	-
613	Central	1798	1788	1780	1792	Jul-22	-12
615	Central	1816	1810	1812	1795	Jul-22	17
629	Central	1819	1803	1845	-	-	-
633	Central	1805	1851	1851	-	-	-
62	Eastern	2761	2774	2783	2760	Jul-22	23
85	Eastern	2845	2844	2848	2846	Jul-22	2
100	Eastern	2850	2901	2911	2849	Jul-22	62
101	Eastern	-	-	2634	-	-	-
841	Northwestern	1672	1685	1680	1653	Jul-22	27
845	Northwestern	1644	1647	1638	1633	Jul-22	5
2	Southeastern	-	3704	3702	-	-	-
89	Southeastern	3438	3428	3440	3445	Jul-22	-5
106	Western	-	2184	2184	2183	Jul-22	1
107	Western	-	2390	2414	2392	Jul-22	23
117	Western	-	1950	1947	1945	Jul-22	2

Well	Region	Jan-23	Apr-23	Jul-23	Last Year		Annual Elevation Change (ft)
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
118	Western	2212	2214	2216	2210	Jul-22	6
124	Western	-	-	-	-	-	-
571	Western	2183	2269	2238	2181	Jul-22	57
573	Western	-	2015	2015	2012	Jul-22	2
830	Far-West Northwestern	1510	1516	1523	1509	Jul-22	13
832	Far-West Northwestern	1589	1596	1596	1590	Jul-22	6
833	Far-West Northwestern	-	1426	1427	1423	Jul-22	3
836	Far-West Northwestern	1450	1450	1459	1447	Jul-22	12



Table 2: Well Status Related to Thresholds

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
72	Central	156	7/24/2023	169	165	124	790	More than 10% above Minimum Threshold	No
74	Central	244	7/24/2023	256	255	243		More than 10% above Minimum Threshold	No
77	Central	504	7/24/2023	450	445	400	980	Below Minimum Threshold (35 months)	No
91	Central	672	7/25/2023	625	620	576	980	Below Minimum Threshold (35 months)	No
95	Central	612	7/25/2023	573	570	538	805	Below Minimum Threshold (35 months)	No
96	Central	337	7/25/2023	333	332	325	500	Below Minimum Threshold (1 month)	No
98	Central	-		450	449	439	750	No available data since GSA monitoring began	No
99	Central	332	7/25/2023	311	310	300	750	Below Minimum Threshold (1 month)	No
102	Central	448	7/25/2023	235	231	197		Below Minimum Threshold (28 months)	No
103	Central	254	7/25/2023	290	285	235	1030	More than 10% above Minimum Threshold	No
112	Central	86	7/25/2023	87	87	85	441	More than 10% above Minimum Threshold	No
114	Central	-		47	47	45	58	No available data this period (below MT in Oct 2022, 16 months)	No
316	Central	671	7/25/2023	623	618	574	830	Below Minimum Threshold (35 months)	No



Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
317	Central	669	7/25/2023	623	618	573	700	Below Minimum Threshold (35 months)	No
322	Central	339	7/25/2023	307	306	298	850	Below Minimum Threshold (1 month)	No
324	Central	323	7/25/2023	311	310	299	560	Below Minimum Threshold (1 month)	No
325	Central	310	7/25/2023	300	299	292	380	Below Minimum Threshold (1 month)	No
420	Central	506	7/24/2023	450	445	400	780	Below Minimum Threshold (35 months)	No
421	Central	498	7/24/2023	446	441	398	620	Below Minimum Threshold (35 months)	No
474	Central	163	7/25/2023	188	186	169	213	Above Measurable Objective	No
568	Central	36	7/24/2023	37	37	36	188	More than 10% above Minimum Threshold	No
604	Central	456	7/25/2023	526	522	487	924	Above Measurable Objective	No
608	Central	425	7/25/2023	436	433	407	745	More than 10% above Minimum Threshold	No
609	Central	440	7/25/2023	458	454	421	970	More than 10% above Minimum Threshold	No
610	Central	636	7/25/2023	621	618	591	780	Below Minimum Threshold (27 months)	No
612	Central	487	7/25/2023	463	461	440	1070	Below Minimum Threshold (19 months)	No
613	Central	550	7/25/2023	503	500	475	830	Below Minimum Threshold (33 months)	No



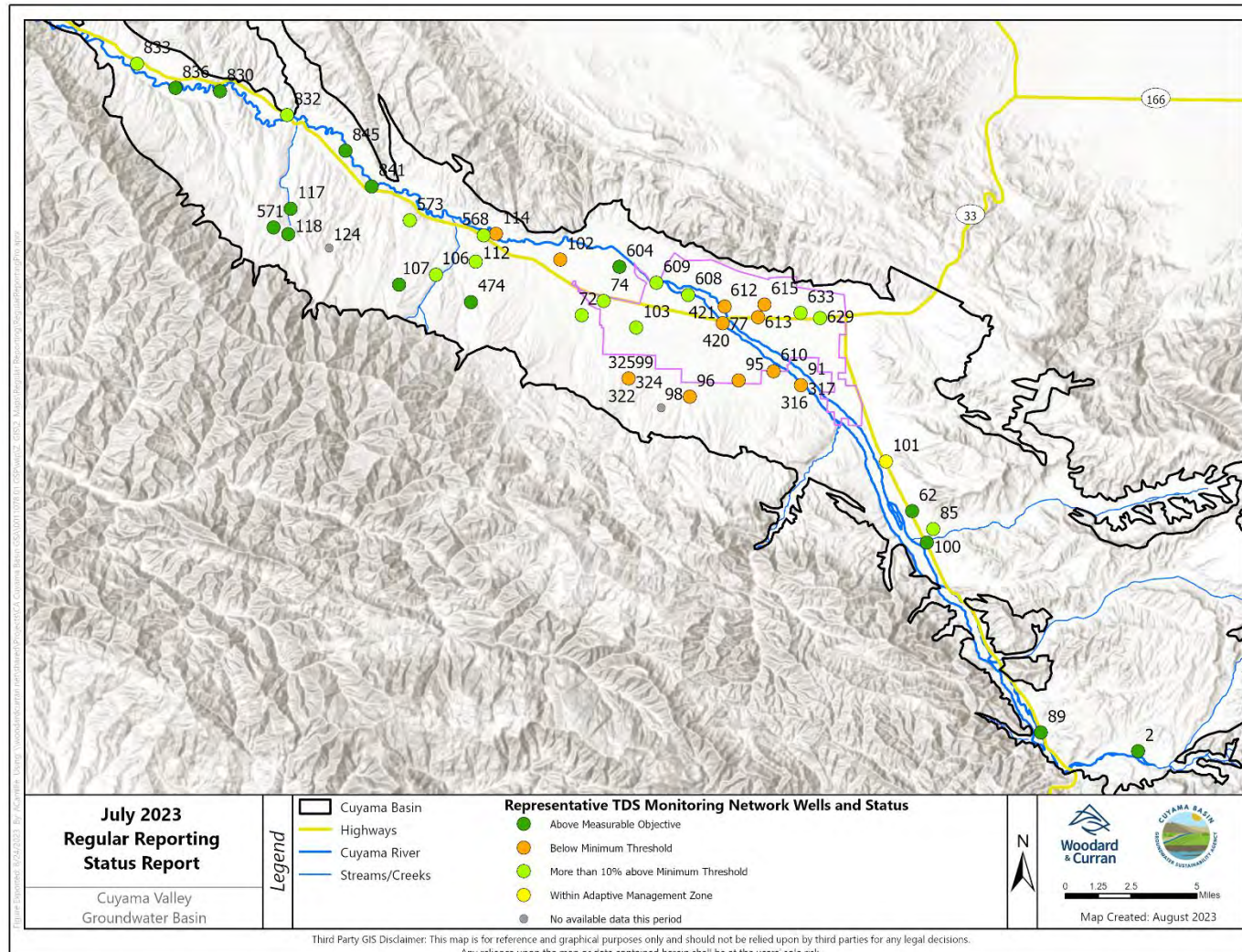
Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
615	Central	515	7/25/2023	500	497	468	865	Below Minimum Threshold (32 months)	No
629	Central	534	7/25/2023	559	556	527	1000	More than 10% above Minimum Threshold	No
633	Central	513	7/25/2023	547	542	493	1000	More than 10% above Minimum Threshold	No
62	Eastern	138	7/24/2023	182	178	142	212	Above Measurable Objective	No
85	Eastern	199	7/24/2023	233	225	147	233	More than 10% above Minimum Threshold	No
100	Eastern	93	7/24/2023	181	175	125	284	Above Measurable Objective	No
101	Eastern	108	7/25/2023	111	108	81	200	Within Adaptive Management Zone	No
841	Northwestern	81	7/25/2023	203	198	153	600	Above Measurable Objective	No
845	Northwestern	74	7/25/2023	203	198	153	380	Above Measurable Objective	No
2	Southeastern	18	7/24/2023	72	70	55	73	Above Measurable Objective	No
89	Southeastern	22	7/24/2023	64	62	44	125	Above Measurable Objective	No
106	Western	142	7/25/2023	154	153	141	228	More than 10% above Minimum Threshold	No
107	Western	68	7/25/2023	91	89	72	200	Above Measurable Objective	No
117	Western	151	7/25/2023	160	159	151	212	Above Measurable Objective	No
118	Western	54	7/25/2023	124	117	57	500	Above Measurable Objective	No
124	Western	-		73	71	57	161	No available data since GSA monitoring began	No
571	Western	68	7/25/2023	144	142	121	280	Above Measurable Objective	No



Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
573	Western	69	7/25/2023	118	113	68	404	More than 10% above Minimum Threshold	No
830	Far-West Northwestern	48	7/25/2023	59	59	56	77	Above Measurable Objective	No
832	Far-West Northwestern	34	7/24/2023	45	44	30	132	More than 10% above Minimum Threshold	No
833	Far-West Northwestern	31	7/24/2023	96	89	24	504	More than 10% above Minimum Threshold	No
836	Far-West Northwestern	27	7/25/2023	79	75	36	325	Above Measurable Objective	No

Note: Wells only count towards the identification of undesirable results if the level measurement is below the minimum threshold for 24 consecutive months.

Figure 1: Groundwater Level Representative Wells and Status in July 2023



4. HYDROGRAPHS

The following hydrographs provide an overview of conditions in each of the six areas threshold regions identified in the GSP.

Figure 2: Southeast Region – Well 89

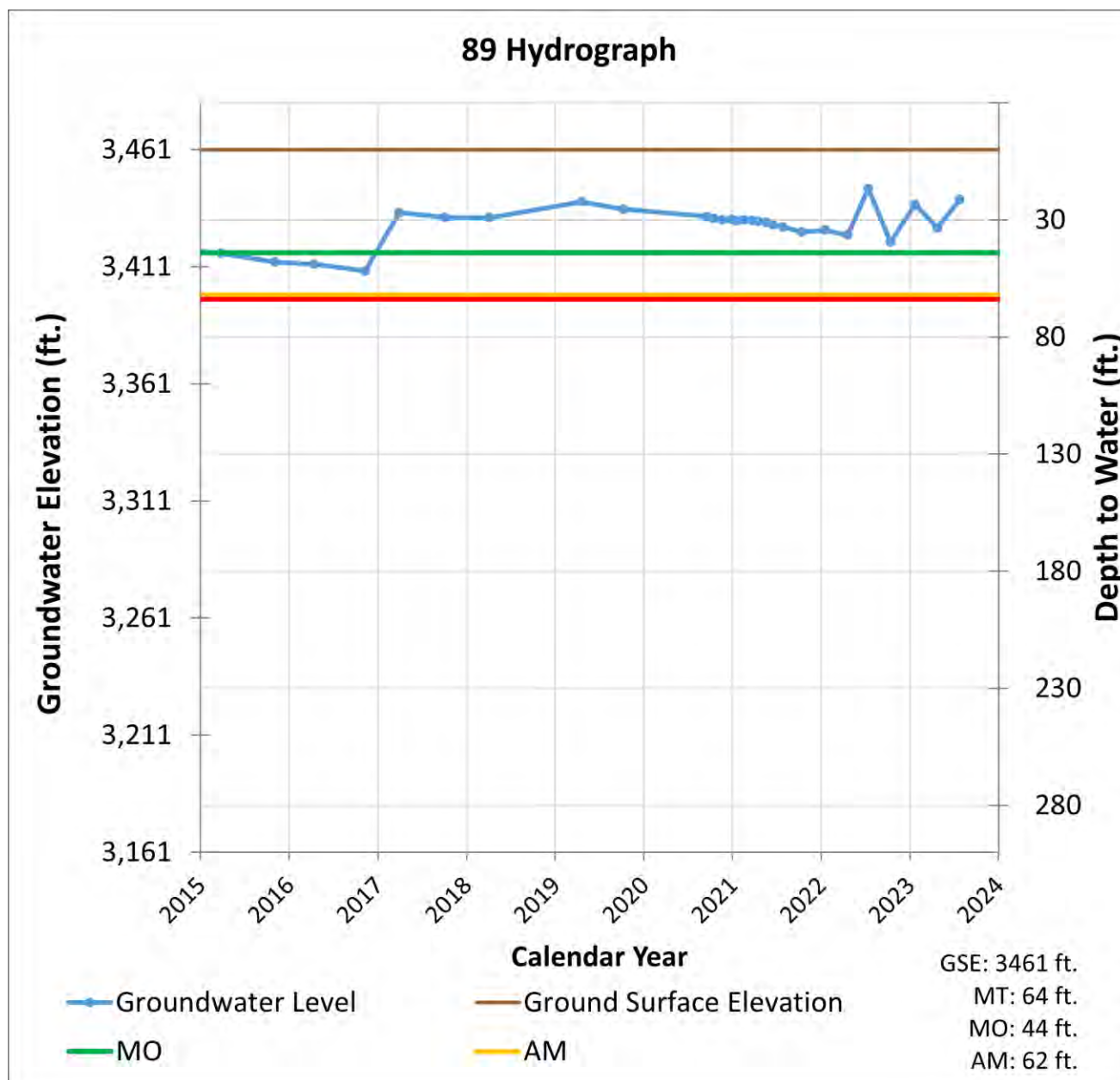


Figure 3: Eastern Region – Well 62

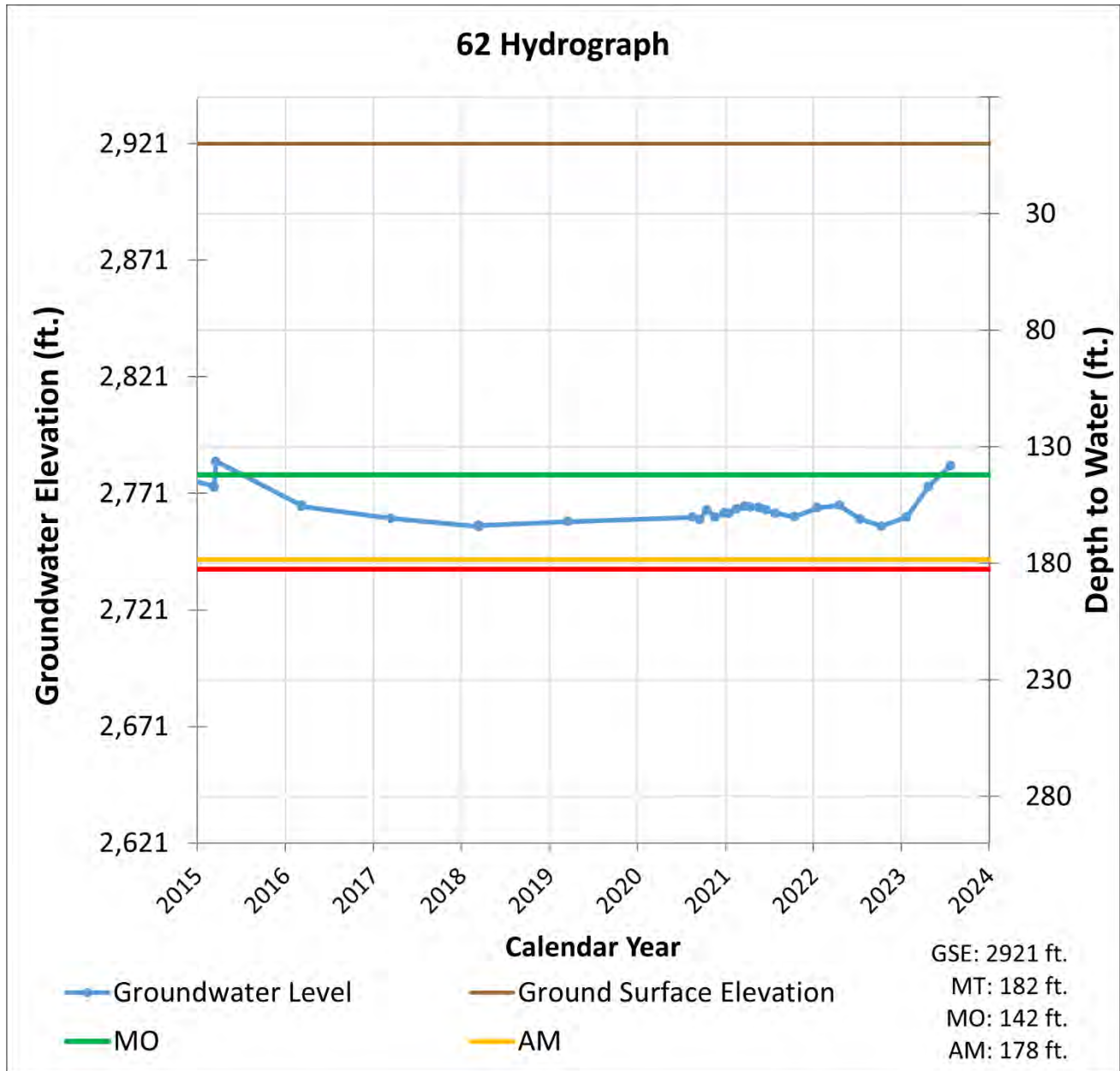


Figure 4: Central Region – Well 91

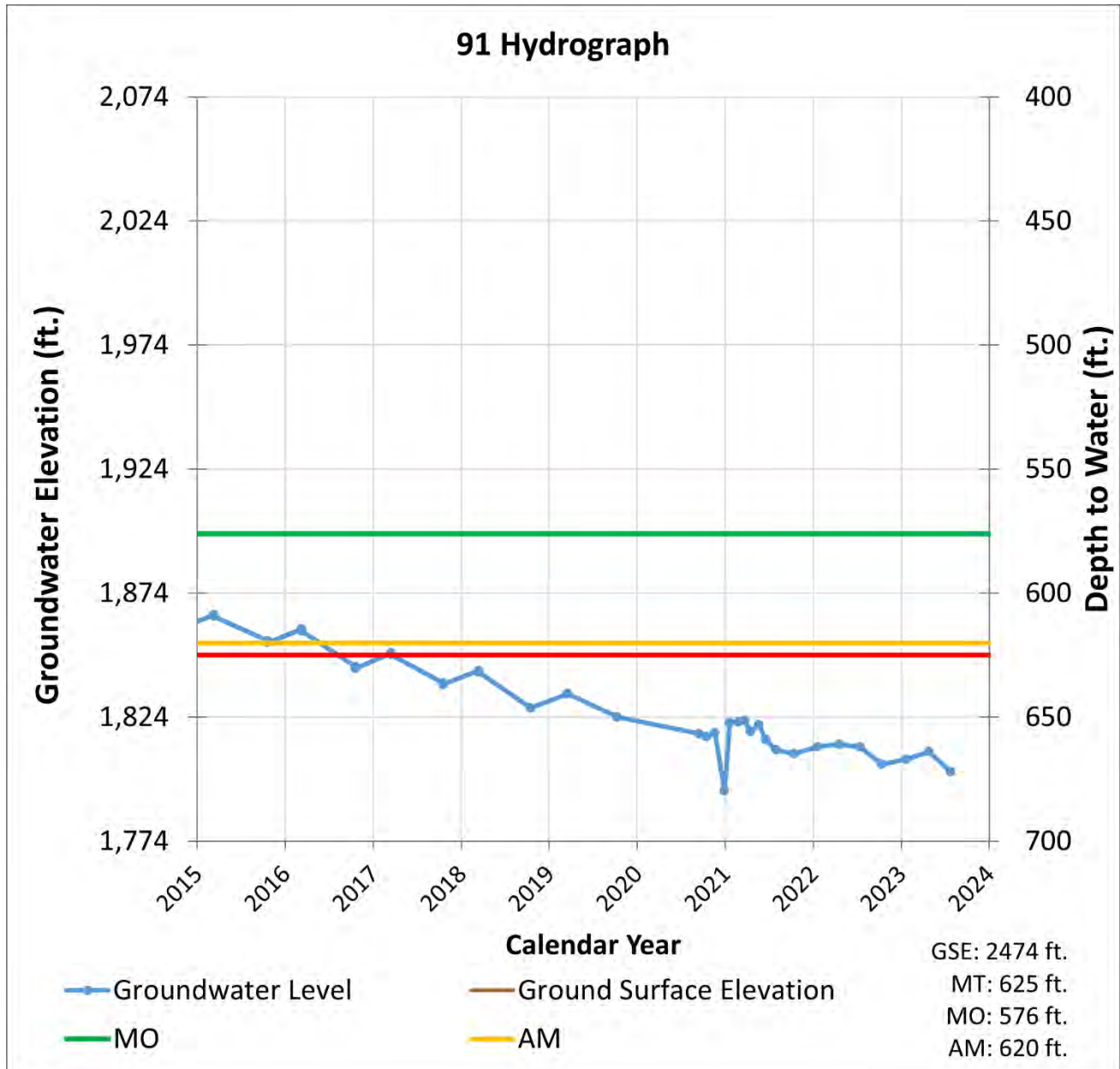


Figure 5: Central Region – Well 74

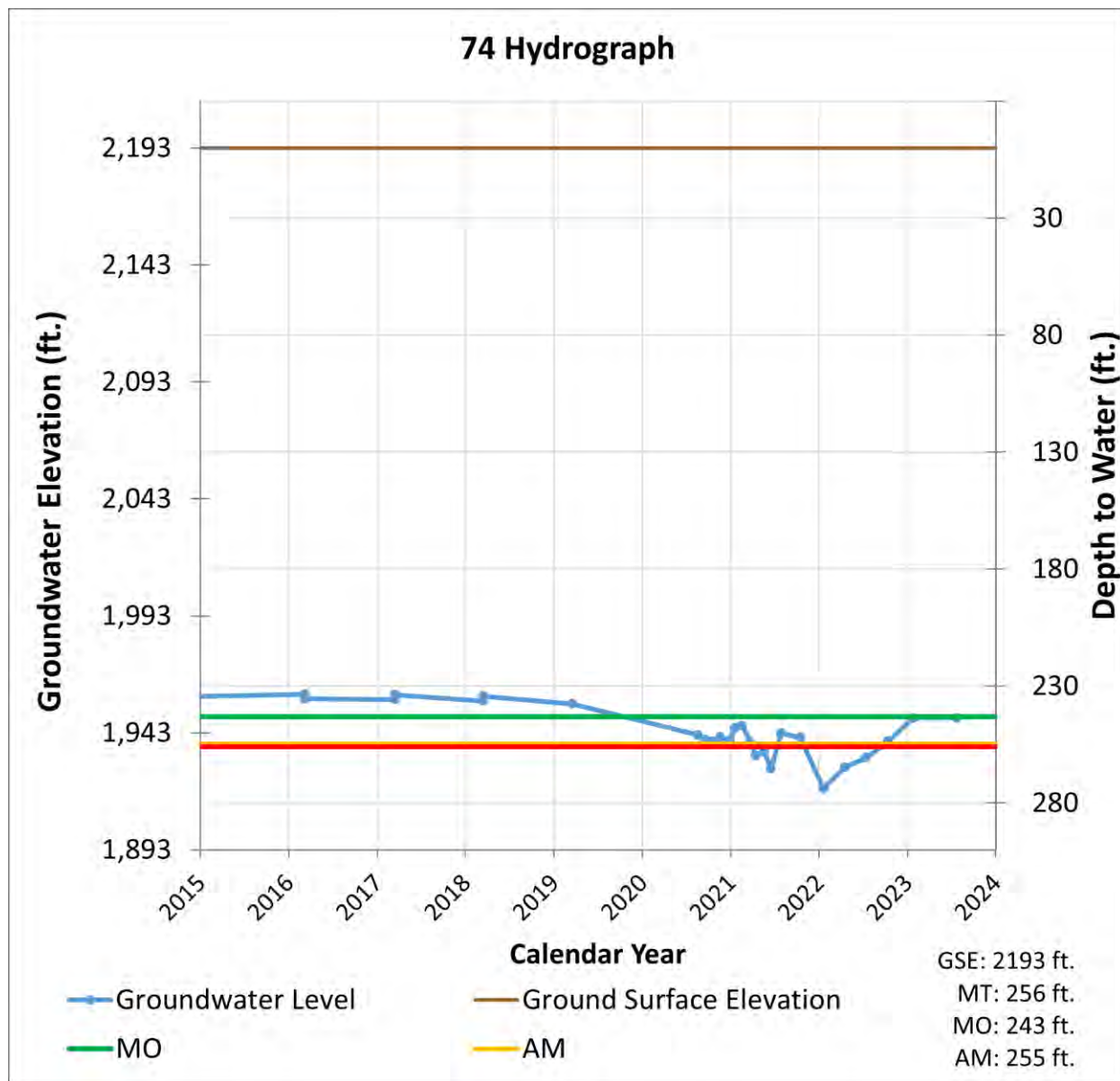


Figure 6: Western Region – Well 571

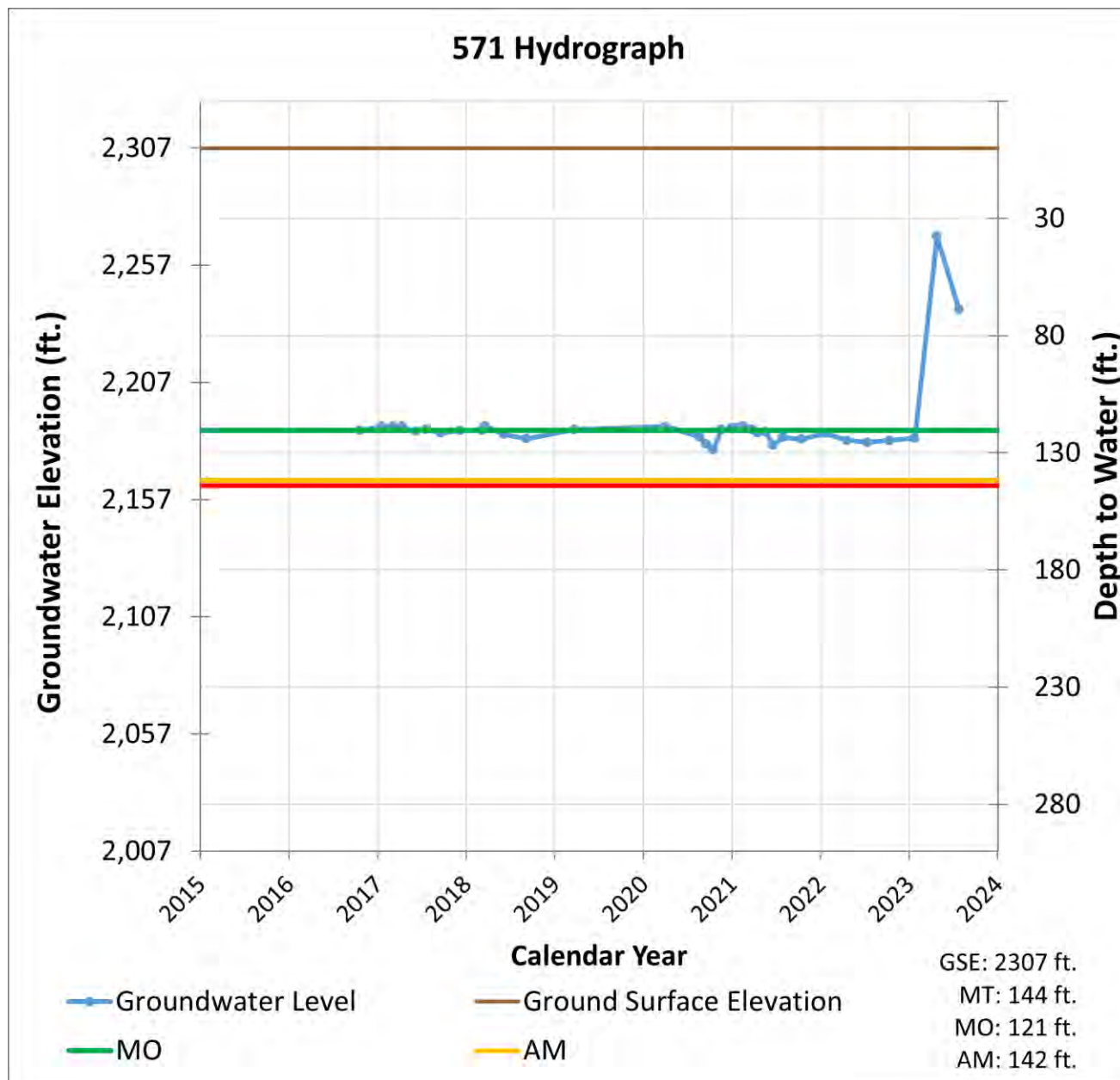
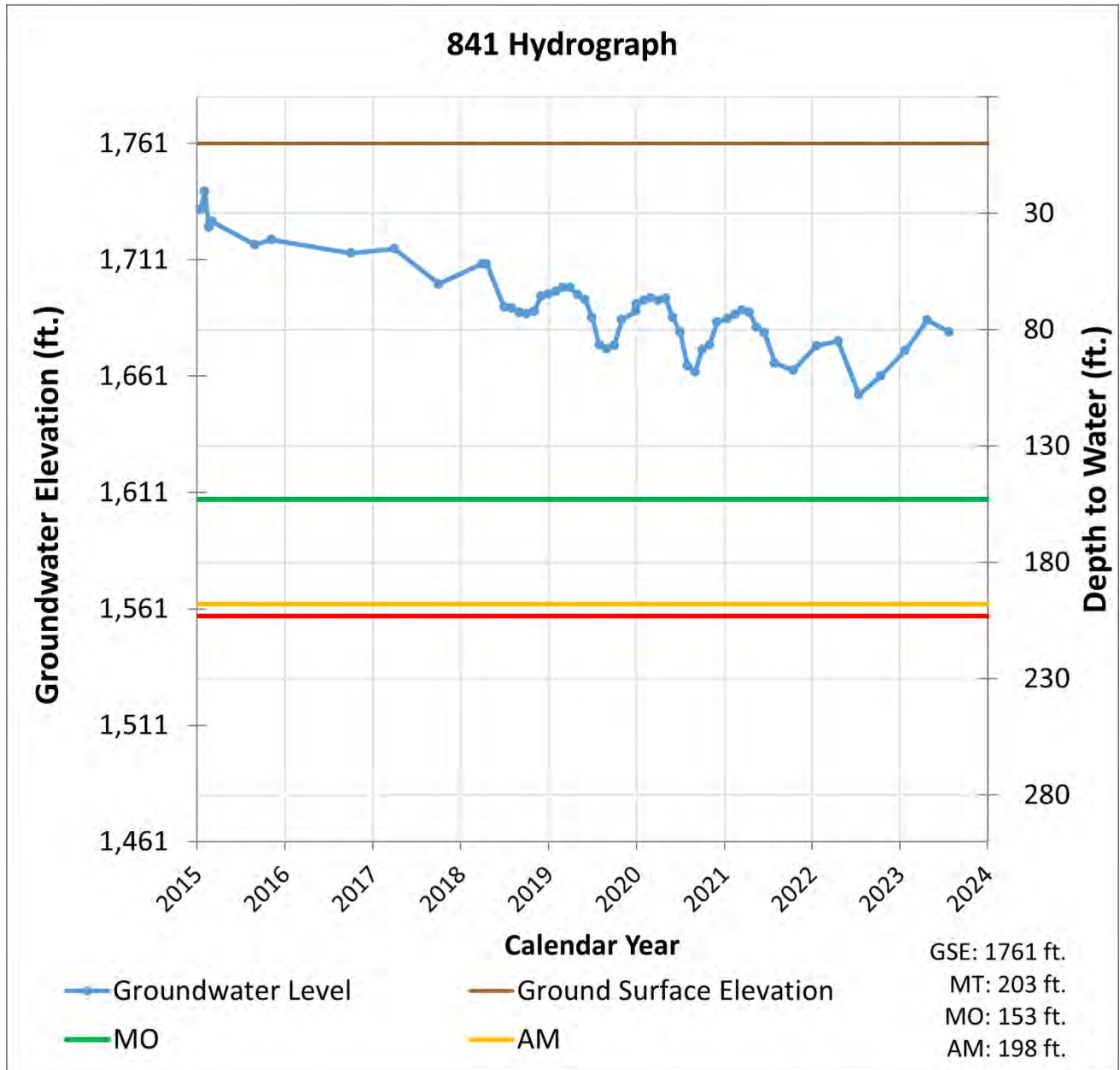


Figure 7: Northwestern Region – Well 841



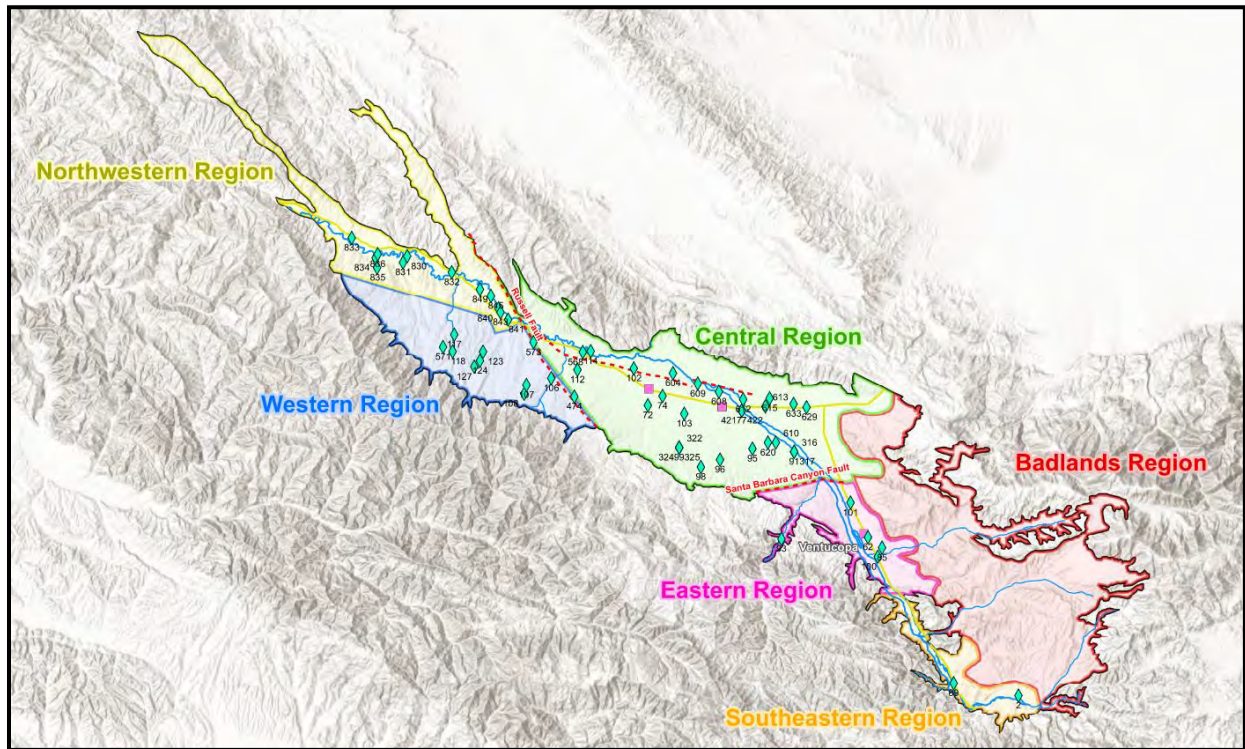


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

As shown in Table 2, there are 3 wells with no measurement during the current monitoring period. These “no measurement codes” can have different causes as described below.

- Access agreements have not been established with the landowner:
 - Wells 98, 124
- Measurement was not possible at the time when the field technician went to take measurements:
 - Wells 114



**Woodard
& Curran**

woodardcurran.com