



CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY STANDING ADVISORY COMMITTEE MEETING

Committee Members

| | | |
|----------------------------|------------------|---------------|
| Brenton Kelly (Chair) | Jake Furstenfeld | Roberta Jaffe |
| Brad DeBranch (Vice Chair) | Jean Gaillard | <i>Vacant</i> |
| Louise Draucker | Joe Haslett | <i>Vacant</i> |

AGENDA

January 5, 2023

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee meeting to be held on Thursday, January 5, 2023, at 5:00 PM at the **Cuyama Valley Resource Center 4689 CA-166 b, New Cuyama, CA 93254**. Participate via computer at: <https://rb.gy/6dew3v> or by going to Microsoft Teams, downloading the free application, then entering Meeting ID: 238 803 442 611 Passcode: i4ivdL, or telephonically at (469) 480-3918, Phone Conference ID: 613 717 173#.

Teleconference Locations:

4689 CA-166, New Cuyama, CA 93254

144 De La Costa Ave, Santa Cruz, CA 95060

The order in which agenda items are discussed may be changed to accommodate scheduling or other needs of the 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 Committee 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 Wednesday 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. Update on SAC Membership

ACTION ITEMS

5. Election of Officers
6. Approval of October 27, 2022, Minutes
7. Discussion and Appropriate Action on CMA Allocation and 2nd Variance Process Timeline
8. Discussion and Appropriate Action on Administration of Pumping Reductions in the Central Management Area
9. Discussion and Appropriate Action on Adaptive Management Analysis
10. Discussion and Appropriate Action on Strategy for Managing Pumping throughout the Basin
11. Discussion and Appropriate Action on Strategy for Continuing Evaluation of Basin Faults

REPORT ITEMS

12. Technical Updates

- a. Update on Groundwater Sustainability Plan Activities
- b. Update on Annual Report Development
- c. Update on Monitoring Network Implementation
- d. Update on October 2022 Groundwater Conditions Report

13. Administrative Updates

- a. Report of the Executive Director
- b. Report of the General Counsel
- c. Board of Directors Agenda Review

14. Items for Upcoming Sessions

15. Committee Forum

16. Public Comment for Items Not on the Agenda

At this time, the public may address the Committee on any item not appearing on the agenda that is within the subject matter jurisdiction of the Committee.

17. Correspondence

18. Adjourn

2023

Board Ad hoc List

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

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

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|------------------------------------|--|
| Basin-Wide Water Management | Bantilan Chounet Anselm Yurosek |
|------------------------------------|--|

Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee Meeting

October 27, 2022

Draft Meetings Minutes

PRESENT:

Kelly, Brenton – Chair
DeBranch, Brad – Vice Chair
Furstenfeld, Jake
Louise Draucker
Gaillard, Jean
Haslett, Joe
Roberta Jaffe

Beck, Jim – Executive Committee Member
Blakslee, Taylor – Project Manager
Dominguez, Alex – Legal Counsel
Van Lienden, Brian – Woodard & Curran

ABSENT:

None

1. Call to Order

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee (SAC) Chair Kelly called the meeting to order at 5:02 p.m. and Hallmark Group Project Manager Taylor Blakslee provided direction on the meeting protocols in facilitating a remote meeting.

2. Roll Call

Hallmark Group Project Manager Taylor Blakslee called roll of the Committee (shown above).

3. Pledge of Allegiance

Chair Kelly led the pledge of allegiance.

4. Update on SAC Membership

Chair Kelly reported that there remain two vacancies for representatives of the Hispanic community and said if anyone knows someone that is interested in serving to let himself or Mr. Blakslee know.

5. Approval of Minutes

Chair Kelly opened the floor for comments on the September 1, 2022, CBGSA SAC meeting minutes.

Committee Member Jaffe stated her last name was incorrectly spelled in the September minutes and there needs to a correction to a statement she made regarding the one groundwater pumper that has drawn down the groundwater west of the Russell Fault.

MOTION

Committee Member Furstenfeld made a motion approve September 1, 2022, CBGSA SAC meeting minutes with the correction to Committee Member Jaffe name being spelt correctly and the correction of the statement made by Committee Member Jaffe that there is one groundwater pumper that has drawn down the groundwater west of the Russell Fault. The motion was seconded by Committee Member Furstenfeld, a roll call vote was made, and the motion passed.

AYES: DeBranch, Furstenfeld, Gaillard, Jaffe, Kelly
NOES: None
ABSTAIN: None
ABSENT: Draucker, Haslett

Committee Member Haslett joined the meeting at 5:10 p.m.

6. Groundwater Sustainability Plan

a. Discussion and Appropriate Action on Central Management Area Policy Considering Wells In/Out of the CMA

Mr. Beck provided background on the development of the policy for considering wells in/out of the Central Management Area (CMA) and elaborated on purpose of the policy. Mr. Beck reviewed the overarching policy which is included in the SAC packet.

Committee member Jaffe asked if an owner that has land in and out of the CMA would be subject to the glidepath. Mr. Beck responded landowners have the opportunity to allow their lands to be subject to those provisions if they choose to identify themselves as a farming unit and apply for an exemption under this policy.

Committee Member Gaillard asked when staff will inform landowners of this policy. Mr. Beck responded staff will begin to notify landowners as soon as the Board approves.

Committee Member Jaffe recommended the time factor is included in the farming unit definition. Chair Kelly suggested the policy implementation should have a sunset for landowners/operators that plan to submit a farming unit request. Vice Chair DeBranch commented he is ok with the draft policy. Committee Member Haslett agreed with Vice Chair DeBranch. Committee Member Jaffe suggested there needs to be a qualifier to claim the irrigation system is historic and clarification on the lands that have been irrigated from outside the CMA do in fact have a historic use. Mr. Blakslee reminded the SAC the key thing staff is trying to address is historic farming units.

b. Discussion and Appropriate Action on CMA Variance Request

Mr. Beck provided background on the nine (9) variance requests received and explained there was one variance request that was submitted after the deadline and was not reviewed by staff or the ad hoc committee. Mr. Beck explained the notification to be sent to landowners of the updated allocations will be dependent on the Boards decision on the policy for considering wells in/out of the CMA. Mr. Beck reviewed the general issues raised in the variance request, which is included in the SAC packet. Mr. Beck reviewed each variance request and explained the ad hoc recommendation for

each request.

Committee Member Jaffe commented there was a few variance requests that explained the use of high technological conservation in the watering system and these landowners were not getting any credit for using that. She commented that there are some pistachio farms that are using high technological irrigation systems and there are other farms that are using wasteful irrigation practices and suggested the Board take that into consideration.

Vice Chair DeBranch asked if there is a way to go back to the model to understand why a landowner did not get the correct allocation when they provided data to show why their allocation should be different. Mr. Beck replied there have been various comments to improve the model and staff is doing its best to improve the model with the time and funding available.

Duncan Farms representative Mark Ellsworth commented that the variance request submitted for Duncan Farms addresses two major issues: (1) the acreage is significantly incorrect for parcel, and (2) the application rates in the model do not reflect what the actual application rates are in the field. He requested the variance deadline be extended due to the letters that were not received. Mr. Ellsworth commented that the proposed farming unit policy presented related to issues raised in multiple variance requests including Duncan's. He asked the SAC recommend to the Board to consider Duncan's variance request. Duncan Family Farm attorney Byron Romney said Duncan's variance request is similar to other variance requests and the information used for Duncan's allocation is incorrect and should be recalculated. He reiterated that the two primary issues are the incorrect acreage and the application rates.

Mack Carlson commented his law firm represents the Harrington Trust, the Slumskie's and David Lewis. He highlighted two fundamental legal flaws of the allocation program, which are the GSA does not have the power to determine or alter groundwater rights. The second is the program is clearly intended as a formal regulation that imposes significant regulatory and financial burden on a subset of landowners within the basin. Mr. Carlson commented that, regarding David Lewis, the CMA boundary is completely arbitrary given the uncertainty with the model and the projection over the parcel data. He said in one month between June and July the CMA boundary shifted by 290 feet to include David Lewis' property. He requested staff evaluate the accuracy of the CMA boundary.

David Lewis commented he did not know what the variance request evaluation criteria was. He requested there be consideration to the minimal increase for his land and the resulting socioeconomic and financial impact. Mr. Beck replied there was a great deal of time spent on determining the methodology and describing that, and after hours of discussion, it was determined the sustainable yield of the CMA based on model output would apply the prescribed ramp down decrease that was identified in the Groundwater Sustainability Plan (GSP). Mr. Beck explained after a great deal of discussion, the Board directed the use the average water use over the historic 1998-2017 period and since there is no metered data available for this time period, staff used land use data, crop factors and other pumping data variables in the model to develop the analysis. Mr. Beck commented the data was made available to the public and the process has been explained in length with the SAC and Board. Mr. Beck commented that the process was developed transparently over the past year with multiple discussions made in public meetings.

Committee Member Haslett commented there needs to be a tiered approach, but understands the Board has rejected this idea. He said David Lewis' additional water request impact on the overall groundwater recovery is virtually zero compared to the millions of gallons of water that is pumped

across the street.

Committee Member Draucker joined the meeting at 6:21 p.m.

Committee Member Jaffe asked Legal Counsel to provide a brief summary of Sustainable Groundwater Management Act (SGMA) role in the water allocation. Legal Counsel Alex Dominguez replied SGMA states it shall not alter existing surface or groundwater rights. However, SGMA does provide a GSA with the authority to manage groundwater resources by adopting allocations.

Committee Member Jaffe commented there needs to be an approach that is based on individual landowner or entity that is farming. In the case of David Lewis, it is a perfect example of someone who planted a perennial crop, doing it efficiently, and using a minimal amount of water. Committee Member Jaffe commented she would like the Board to reconsider David Lewis’ request for a variance and since Duncan Family Farms stated they did not receive notification in a timely manner recommends they be considered by the Board as well. Committee Member Furstenfeld agreed with Committee Member Jaffe. Chair Kelly commented Duncan Family Farms should be considered by the Board.

MOTION

Committee Member Jaffe made motion that (1) the request made by David Lewis be reconsidered by the Board and some consideration be given on the relative impact to the basin, (2) Duncan Family Farms/Aguila G-Boys be reviewed similar to other requests, and (3) the Board should consider a tiered approach. The motion was seconded by Committee Member Draucker, a roll call vote was made, and the motion passed.

- AYES: Kelly, Draucker, Furstenfeld, Gaillard, Jaffe, Haslett
- NOES: DeBranch
- ABSTAIN: None
- ABSENT: None

c. Discussion and Appropriate Action on Administration of Pumping Reductions in the Central Management Area

Mr. Beck provided background on the administration of pumping reductions in the CMA and clarified at the end of January of 2023 landowners will need to provide monthly meter readings for 2022.

Committee Member Furstenfeld asked if it is up to the farmers to report the meter readings and if there is a process to check if these are accurate. Mr. Blakslee replied the monthly readings require pictures of the meter which will allow staff to validate the meter readings.

d. Approval of GSA Well Permit Policy and Forms

Mr. Beck provided an overview of the well permit policy which is included in the SAC packet.

Committee Member Jaffe asked what the process is for submitting an application. Legal Counsel Alex Dominguez replied that if a GSA approves an application, then the GSA will communicate this to the landowner. Chair Kelly asked if there was a timeline on the Executive order. Legal Counsel Alex Dominguez replied there is no sunset clause to the Executive Order.

Chair Kelly asked if the review of a replacement well is significantly less than that of a hydrologic study. Mr. Beck replied that is correct. Chair Kelly asked if there is a one-time fee or if you have to pay again for resubmitting an application. Mr. Beck replied the SAC has the opportunity to suggest rates and explains it is currently an unfunded cost. Committee Member Gaillard and Committee Member Furstenfeld agreed there should be a fee. Committee Member Haslett suggested for a replacement well it should be \$100 and a new well should be \$250. Mr. Carlson commented there is a fee process outlined in the water code under SGMA that the GSA needs to follow in order to adopt a fee.

Committee Member Haslett suggested having a range for the capacity of a replacement well rather than a set number due to pumps having variability when they are constructed. Mr. Beck commented the first bullet could be amended to say the well must not be designed to exceed the maximum historical capacity. Committee Member Gaillard commented the GSA should follow up on the engineer's logbook for each well that is drilled. Ann Myhre commented the concern should not be about capacity but rather gross pumping. Local resident John Caufield commented one of the challenges of the electronic log from the engineer is this information is not available until the well is complete. Chair Kelly commented the checkmark is not sufficient and the statements should be rewritten in the affirmative. Committee Member Haslett suggested adding an area for an applicant to enter the APN because the address may not be applicable and make a change to say mailing address.

e. Discussion and Appropriate Action on Adaptive Management Analysis

Mr. Beck provided background on previous Board direction.

Mr. Van Lienden reviewed the well survey summary and the comparison of domestic and residential wells against current conditions and minimum thresholds. He reviewed the recent water level trends analysis from 2015 to 2022, and a series of graphs showing modeled reduction in groundwater pumping. Mr. Van Lienden reviewed a table comparing the simulated heads to minimum threshold which are provided in the SAC packet.

Committee Member Haslett commented this information supports the tiered approach concept.

Committee Member Jaffe asked the definition of a dry well be changed. Mr. Beck replied staff can make the change that a dry well means bottom of the well and it can affect well owners differently depending on the depth to their individual pumps.

Committee Member Haslett commented his pumping is up the mountains, so any reduction in pumping in the CMA will not affect the water levels near his pump. Vice Chair DeBranch commented the base measurement should be included. Committee Member Furstenfeld commented even if the numbers are manipulated, it does not achieve sustainability. Committee Member Jaffe commented there needs to be an alternative plan if there is a desire for changing minimum thresholds (MT).

Committee Member Haslett commented the original MT was very aggressive and the Board and SAC did not fully understand what was actually being done. Committee Member Haslett agreed with the need to change the MT and explained the Board needs to break the basin into segments rather than treating it as one large basin.

Committee Member Draucker agreed with Committee Member Jaffe that the Board should not

change the MT. Chair Kelly commented the MT should not be changed and would like to see the other options the adaptive management ad hoc presented in the past.

Ann Myhre commented when the Board set the MTs the GSA was already out of compliance, and this situation was created when the MTs were set, and the Board should reconsider some of these thresholds based on current data.

f. Discussion and Appropriate Action on Strategy for Managing Pumping throughout the Basin

Mr. Beck reviewed draft options for addressing potential increased water use outside the CMA which is included in the SAC packet.

Committee Member Jaffe asked if option 2a is already in the GSP and therefore would not require a plan amendment. Mr. Beck replied the Ventucopa area does not meet the two-foot draw-down per year requirement which then would require an amendment to the GSP.

Committee Member Gaillard commented if there is pumping reductions in the CMA there should not be any increased pumping outside the CMA and explains there is currently not enough data to make a decision. Jim Wegis asked if the CMA boundary can be modified in 2025. Mr. Beck replied it can be modified. Chair Kelly asked to see a similar model projection that shows different amounts of draw-down to be able to see where in the basin is the worst overdraft. Staff noted the Board previously provided direction to review different management area criteria ahead of the 2025 GSP update.

Committee Member Draucker asked why there have been no discussion of implementing water conservation measures. Legal Counsel Alex Dominguez replied he will have to look into this and report back to SAC.

g. Discussion and Appropriate Action on Strategy for Continuing Evaluation of Basin Faults

Mr. Van Lienden reviewed the proposed investigation components that were put together by a senior hydrologist and reviewed by a technical forum on October 18, 2022.

Committee Member Jaffe commented there is a lot of cost coming across the table but not a lot of results and does not support moving forward with this. Vice Chair DeBranch asked if the activity of drilling the wells were funded by the grant. Mr. Van Lienden replied it is not currently funded by a grant. Chair Kelly commented he is in favor of moving forward with just evaluating available groundwater data and AEM interpretation, and groundwater sampling and geochemical analysis.

Vice Chair DeBranch asked if the pump test previously done is sufficient to update the model. Mr. Van Lienden replied the data from the previous pump test was used in the model, however there was only one pump used and not done for a long enough amount of time.

Committee Member Jaffe asked if staff has looked at the AEM data. Mr. Van Lienden replied staff has looked at this data.

h. Update on Effort to Identify Potential Non-Reporting Pumpers

Mr. Blakslee provided background on the effort to identify potential non-reporting pumpers and reviewed the draft map identifying potential non-reporters. Committee Member Haslett commented the areas in the Western area should not be contacted because there is no irrigation occurring. The SAC provided consensus for staff to send a letter to the roughly 50 potential non-

reporting pumpers.

i. Authorize Development and Submittal of an Application for DWR Grant Round 2 Funding

Mr. Van Lienden reviewed the DWR grant round 2 funding opportunity including what projects are eligible, how much funding is available, and who is eligible to apply. He emphasized this is a competitive grant and there were 176 participants in a DWR grant workshop that was held in mid-October. Mr. Beck reviewed the estimated cost to apply for the grant and indicated the cost would not change much if components were removed.

Committee Member Jaffe commented it does not make sense to apply since the priority will be given to applicants who have not previously received SGMA implementation funding and those who are recharging surface water. Committee Member Gaillard agreed with Committee Member Jaffe. Committee Member Haslett commented it would be beneficial to include beaver rehabilitation in a potential grant proposal. Chair Kelly commented the competitiveness is discouraging and would rather spend the money on something else. Vice Chair DeBranch commented the money should be spent on something else.

j. Update on Groundwater Sustainability Plan Activities

Mr. Van Lienden reviewed the groundwater sustainability plan activities.

k. Update on Implementation of Grant-Funded Projects

Mr. Van Lienden provided an update on grant-funded implementation projects and activities.

l. Update on Monitoring Network Implementation

Mr. Van Lienden provided an update on the monitoring network.

m. Update on Annual Water Quality

Mr. Van Lienden provided an update on the annual water quality report.

Committee Member Haslett commented some measurements were done at different times of the year and there should be a consistency in the times measurements are taken. Mr. Van Lienden replied the goal is to do all measurements during the late summer.

Chair Kelly commented there were concerns last year of calibration issues and asked if this was still an issue. Mr. Van Lienden replied there are still concerns about that and staff will want to revisit this issue during the 2025 GSP update. Committee Member Jaffe asked to include permissible levels for constituents on the map. Chair Kelly commented the data does not include well 204 and well 204 data was not included in Table 2.

7. Groundwater Sustainability Agency

a. Approval of 2023 Meeting Calendar

Mr. Blakslee presented the draft 2023 meeting calendar for SAC and Board meetings. The SAC provided consensus to approve the 2023 meeting calendar.

b. Report of the Executive Committee Member

Mr. Blakslee reviewed the amended GSP comments that were submitted during the public comment period to the DWR GSP portal.

c. Report of the General Counsel

Legal Counsel Alex Dominguez provided an update on AB 2201 where the bill was not passed so the GSA will continue to follow the Governors’ Executive Order.

d. Board of Directors Agenda Review

Mr. Blakslee provided an overview of the November 2, 2022, CBGSA Board meeting agenda which is provided in the SAC packet. Chair Kelly suggested the SAC agenda provide more information on which items the SAC is requested to provide feedback.

8. Items for Upcoming Sessions

Vice Chair Debranch asked if the committee members are able to hold the meeting at an earlier time. Committee Member Haslett commented even if the meeting started at an earlier time the meeting would end at the same time. The SAC provided consensus not to change the meeting time.

9. Committee Forum

Nothing to report.

10. Public Comment for Items Not on the Agenda

Nothing to report.

11. Correspondence

Nothing to report.

12. Adjourn

Chair Kelly adjourned the meeting at 10:50 PM.

STANDING ADVISORY COMMITTEE OF THE
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair Kelly: _____

ATTEST:

Vice Chair DeBranch: _____



TO: Standing Advisory Committee
Agenda Item No. 7

FROM: Jim Beck / Alex Dominguez

DATE: January 5, 2023

SUBJECT: Discuss and Take Appropriate Action on CMA Allocation and 2nd Variance Process
Timeline

Recommended Motion

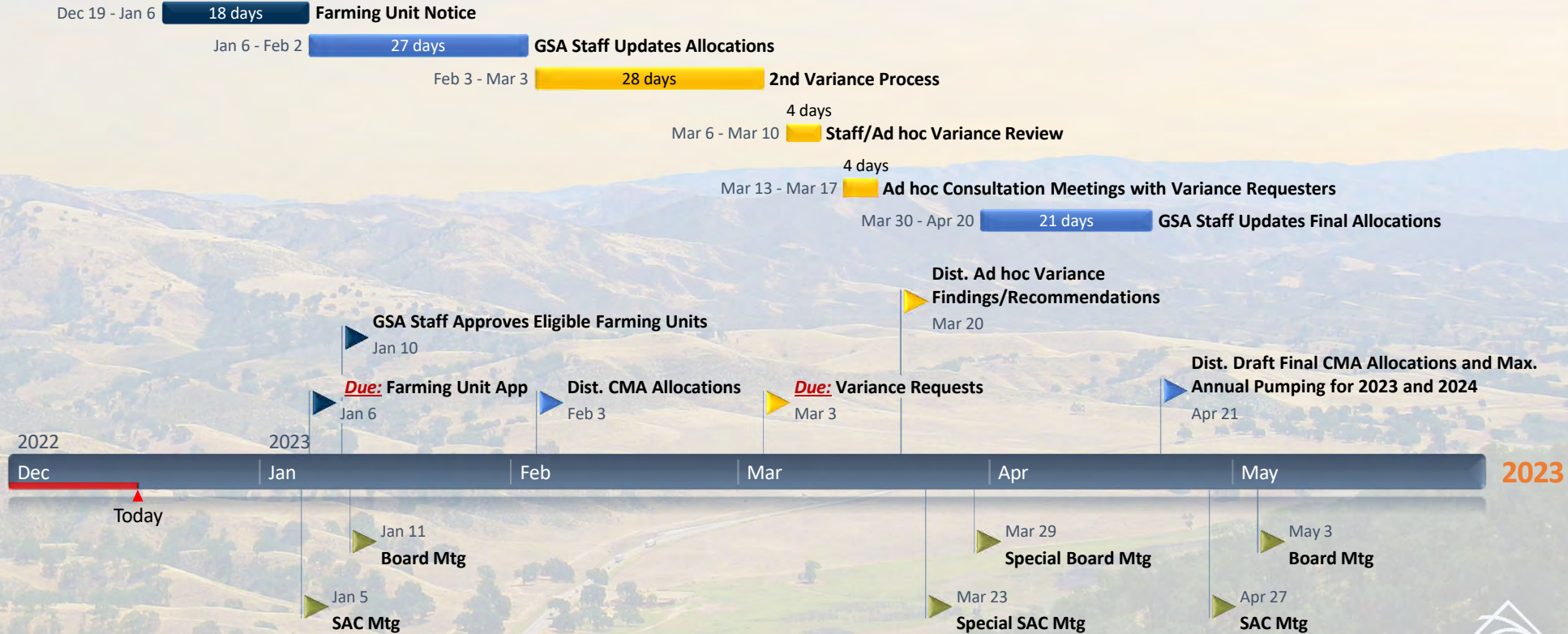
Adopt the updated CMA Allocation and 2nd Variance Process Timeline (Timeline).

Discussion

On December 12, 2022, Cuyama Basin Groundwater Sustainability Agency (GSA) took action to modify the Central Management Area allocation computation methodology to assign model element estimated pumping based on each parcel's irrigated acreage and include a second variance process.

The updated Timeline is provided as Attachment 1 for discussion and approval.

Cuyama CMA Allocation/Variance Schedule





TO: Standing Advisory Committee
Agenda Item No. 8

FROM: Jim Beck / Alex Dominguez

DATE: January 5, 2023

SUBJECT: Discuss and Take Appropriate Action on Administration of Pumping Reductions in the Central Management Area

Recommended Motion

Adopt the Central Management Area administrative policy as outlined in agenda item no. 8.

Discussion

On September 7, 2022, the Cuyama Basin Groundwater Sustainability Agency provided direction on several Central Management Area (CMA) policy points. One outstanding policy point was how to administer the pumping reductions in the CMA given the question of how “Farming Units” would be handled. The Board adopted a “Farming Unit” policy on December 12, 2022 and the draft CMA Administrative Policy was revised to reflect that policy which is provided as Attachment 1 for consideration of approval.

Cuyama Basin Groundwater Sustainability Agency

8. Discuss and Take Appropriate Action on Administration of Pumping Reductions in the Central Management Area

Jim Beck / Joe Hughes

January 5, 2023



Background

- On May 4, 2022, the Board provided direction on administering the pumping reduction in the Central Management Area
- On July 6, 2022, the following policy was presented, and the Board directed to staff to bring this draft policy back for review at the September 7, 2022, Board meeting
- During the September 7, 2022, Board meeting the issue of Farming Units was raised and the Board directed staff to develop policies to address this issue
- On December 12, 2022, the Board adopted a “Farming Unit” policy which is reflected in the in the following draft administrative policy for managing pumping reductions in the CMA

Draft Administration of Pumping Reduction Policy

- 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
- 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



TO: Standing Advisory Committee
Agenda Item No. 9

FROM: Jim Beck / Alex Dominguez / Brian Van Lienden

DATE: January 5, 2023

SUBJECT: Discussion and Appropriate Action on Adaptive Management Analysis

Recommended Motion

Board feedback requested.

Discussion

On December 12, 2022, the Cuyama Basin Groundwater Sustainability Agency Board provided direction for staff to continue the process to look at options that include adjusting the Central Management minimum thresholds and undesirable results criteria to ensure the GSA does not experience undesirable results for the next few years.

An update on the analysis approach and options for engaging with the California Department of Water Resources (DWR) on a potential Groundwater Sustainability Plan (GSP) amendment is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

9. Discussion and Appropriate Action on Adaptive Management Analysis

Van Lienden/Beck/Hughes

January 5, 2023



CBGSA Board Direction

- July 2022 Board meeting:
 - Directed staff to perform analysis for options 3 [Revise (Lower) Minimum Thresholds] and 4 [Revise Undesirable Results Trigger (30% for 2-years)]
 - Analysis Performed:
 - Performed well survey of all wells in Basin
 - Analyzed water level trends at representative monitoring wells with respect to historical hydrology and groundwater extraction
 - CBWRM analysis to estimate future groundwater levels as pumping reductions are implemented following the glidepath
 - GIS-based analysis to assess potential impacts to beneficial uses and users
- Dec 2022 Board Meeting:
 - Directed staff to continue process to look at options that include adjusting the CMA minimum thresholds and undesirable results criteria to make sure the GSA does not experience undesirable results for the next few years.

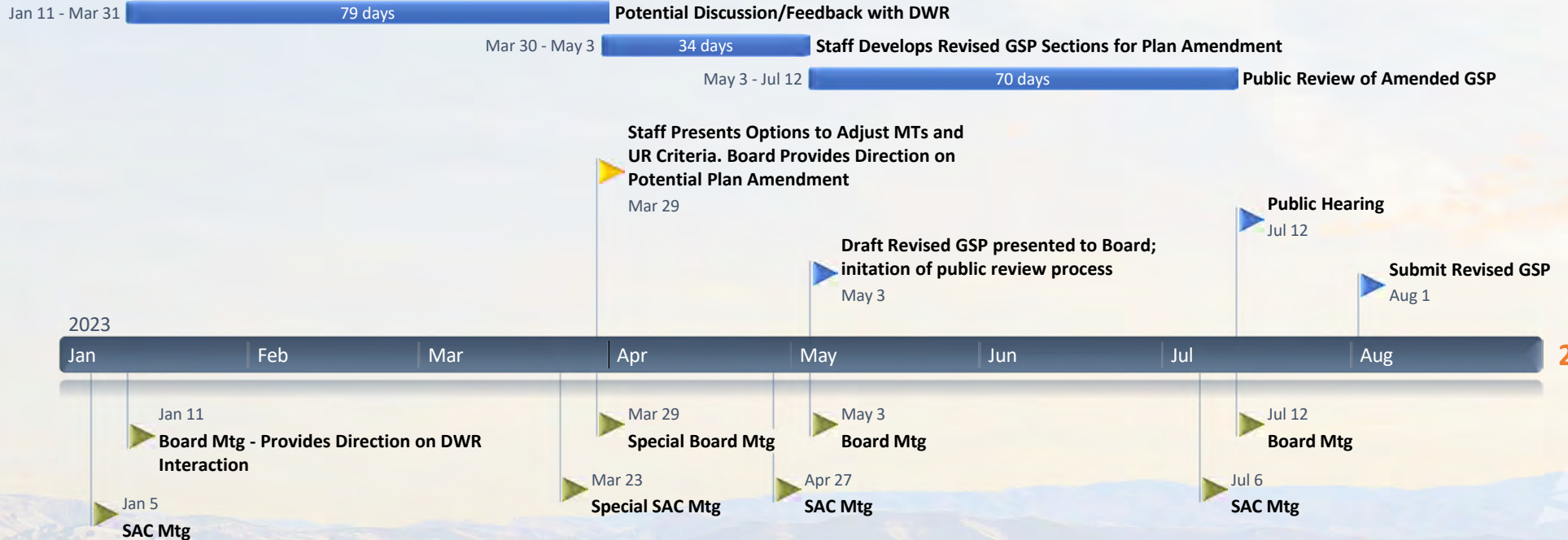
Next Steps to Develop Options

- Per Board direction, staff will look at options to adjust minimum thresholds and/or undesirable results criteria
- Technical considerations include:
 - Developing an up-to-date dataset of active wells using landowner provided information, including well survey results, and county datasets
 - Utilizing modeling projections of groundwater levels under the “glide path” pumping reduction schedule
 - Performing analysis of potential impacts from revised thresholds to groundwater users and groundwater dependent ecosystems
- Staff anticipates having options ready for consideration at the March Board meeting

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Cuyama Adaptive Management Schedule

23
DRAFT



Board Direction on Next Steps

- Coordination with DWR regarding SMC/UR changes
 - Before or after March Board meeting?
 - Informal meeting (staff and DWR)?
 - Formal meeting (staff and ad hoc)?



TO: Standing Advisory Committee
Agenda Item No. 10

FROM: Jim Beck / Alex Dominguez

DATE: January 5, 2023

SUBJECT: Discussion and Appropriate Action on Strategy for Managing Pumping throughout the Basin

Recommended Motion

Board feedback requested.

Discussion

On September 7, 2022, the Cuyama Basin Groundwater Sustainability Agency directed staff to develop a strategy for managing pumping throughout the Basin. Draft options are provided as Attachment 1 for SAC/Board review and feedback.

Cuyama Basin Groundwater Sustainability Agency

10. Discussion and Appropriate Action on Strategy for
Managing Pumping throughout the Basin

Jim Beck / Joe Hughes

January 5, 2023



Background

- On May 4, 2022, the Board directed staff to begin discussions with an ad hoc to address the below two water management topics:
 1. Increased water use outside the Central Management Area
 2. Water market/trading discussions
- On September 7, 2022, the Board directed staff to develop a strategy with options to address increase water use outside the Central Management Area to be reviewed at the November 2, 2022, Board meeting

Is There a Concern With Increased Water Use Outside the Central Management Area – What Does the GSP Say?

- **Executive Summary (pg 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 Address Increase Water Use 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 |

Options to Address Increase Water Use Outside the Central Management Area

30

- SAC / Board feedback requested



TO: Standing Advisory Committee
Agenda Item No. 11

FROM: Jim Beck / Brian Van Lienden

DATE: January 5, 2023

SUBJECT: Discussion and Appropriate Action on Strategy for Continuing Evaluation of Basin Faults

Recommended Motion

Board feedback requested.

Discussion

On September 7, 2022, the Cuyama Basin Groundwater Sustainability Agency directed staff to develop a strategy for continuing an evaluation of the basin faults which is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

11. Discussion and Appropriate Action on Strategy for
Continuing Evaluation of Basin Faults
Beck/Van Lienden

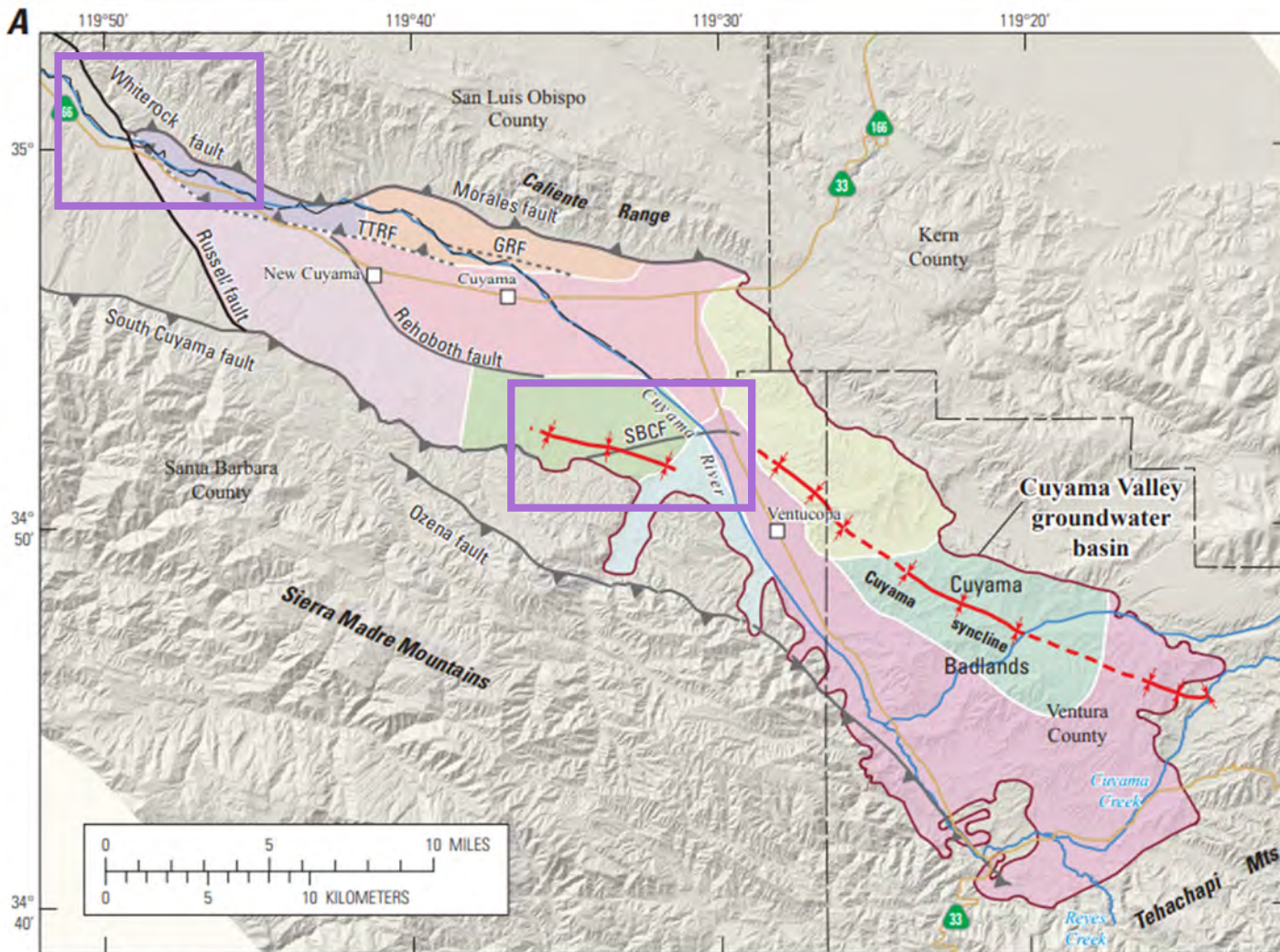
January 5, 2023



Proposed Strategy for a Groundwater-Fault Interaction Investigation

33

- Objective
 - Evaluate groundwater flow impacts by the Russell and Santa Barbara Canyon (SBC) Faults
- Proposed investigation components
 - Evaluate available groundwater data in investigation areas
 - AEM data interpretation
 - Surface geophysical surveys (ER and IP)
 - Construction of new groundwater pumping and observation wells
 - Groundwater sampling and geochemistry analysis
 - Aquifer pumping tests
 - Groundwater flow calculations and modelling
- Proposed approach was reviewed by Technical Forum on October 18 and December 6



Shaded relief base created from 30-m digital elevation model from USGS National Elevation Dataset (NED); North America Vertical Datum 1983 (NAVD83). Hydrology sourced from 1:24,000-scale National Hydrography Dataset, 1974-2009. Place names sourced from USGS Geographic Names Information System, 1974-2009. Albers Projection, NAD83.

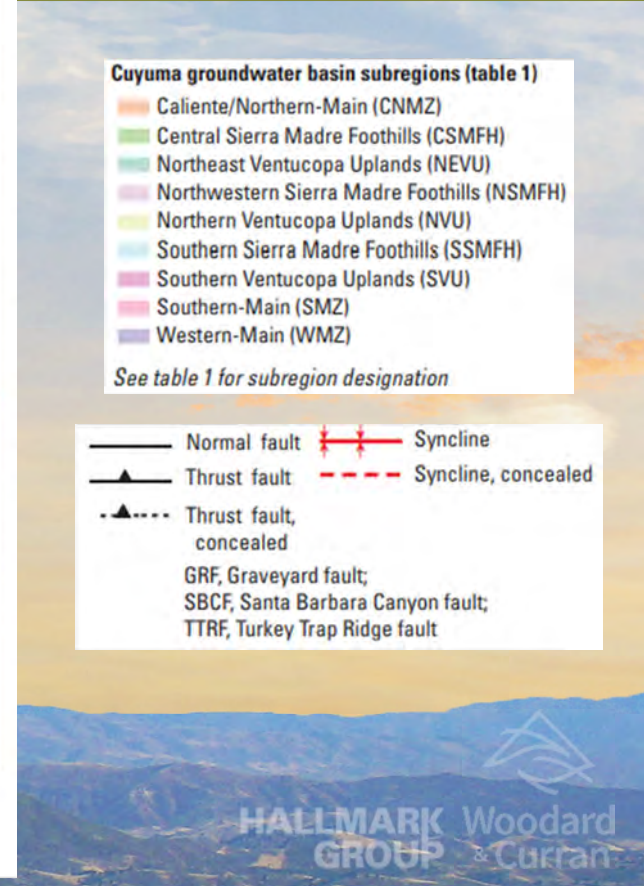
Groundwater hydrologic subregions and related geologic structures;³⁴ simplified Cuyama major groundwater regions; and C, groups of landscape water-balance subregions for 1943–2010 in Cuyama Valley, California (USGS, 2015)

Cuyama groundwater basin subregions (table 1)

- Caliente/Northern-Main (CNMZ)
- Central Sierra Madre Foothills (CSMFH)
- Northeast Ventucopa Uplands (NEVU)
- Northwestern Sierra Madre Foothills (NSMFH)
- Northern Ventucopa Uplands (NVU)
- Southern Sierra Madre Foothills (SSMFH)
- Southern Ventucopa Uplands (SVU)
- Southern-Main (SMZ)
- Western-Main (WMZ)

See table 1 for subregion designation

- Normal fault
- Thrust fault
- Thrust fault, concealed
- Syncline
- Syncline, concealed
- GRF, Graveyard fault;
- SBCF, Santa Barbara Canyon fault;
- TTRF, Turkey Trap Ridge fault



Draft Cost Estimate

| Task | Estimated Cost |
|--|--------------------|
| Evaluate available groundwater data & AEM interpretation | \$25,000 |
| Perform geophysical survey at two faults | \$330,000 |
| Groundwater sampling and geochemical analysis | \$10,000 |
| Well construction to support aquifer testing (assume one new pumping well and two new observation wells needed for each fault) | \$1,400,000 |
| Perform aquifer test and well development at two faults | \$120,000 |
| Groundwater flow and data analysis, including modeling | \$100,000 |
| Total | \$1,985,000 |

Board Direction on Next Steps

- What next steps would the Board like staff to take?



TO: Standing Advisory Committee
Agenda Item No. 12a

FROM: Brian Van Lienden, Woodard & Curran

DATE: January 5, 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

12a. Update on Groundwater Sustainability Plan Activities

Brian Van Lienden

January 5, 2023



November-December Accomplishments

Brian Van Lienden

- ✓ Performed technical analyses to support management area pumping allocation implementation
- ✓ Developed groundwater conditions report for October 2022 monitoring period and submitted monitoring data to DWR
- ✓ Initiated work to perform land use updates for current and future water years
- ✓ Continued implementation of DWR grant agreement tasks, including development of grant invoice and progress report
- ✓ Developed Cuyama Basin proposal for round 2 grant opportunity and submitted to DWR



TO: Standing Advisory Committee
Agenda Item No. 12b

FROM: Brian Van Lienden, Woodard & Curran

DATE: January 5, 2023

SUBJECT: Update on Annual Report Development

Recommended Motion

None – information only.

Discussion

In compliance with the Sustainable Groundwater Management Act, annual reports on basin sustainability metrics and progress on Groundwater Sustainability Plan implementation must be submitted to the California Department of Water Resources by April 1st of each year.

On overview of the report requirements for the upcoming Water Year 2021-2022 annual report are provided as Attachment 1.

A draft annual report will be provided for consideration of Standing Advisory Committee and Board approval in early February/March 2023.

Cuyama Basin Groundwater Sustainability Agency

12b. Update on Annual Report Development

Brian Van Lienden

January 5, 2023



Annual Report Timeline

- DWR's GSP Emergency Regulations require that an Annual Report be submitted each year by April 1.
- Woodard & Curran will develop a draft Annual Report for approval by the CBGSA Board at the March 2023 Board meeting

Annual Report Components

1. Executive Summary

- a) A concise statement of the contents of the Annual Report

2. Introduction

- a) A description of the purpose of the Annual Report, CBGSA information, and a summary of the Cuyama Basin Plan Area

3. Updated Groundwater Conditions

- a) Representative monitoring network
- b) Updated groundwater contour maps
- c) Updated groundwater hydrographs

Annual Report Components

4. Estimated Water Use

- a) Includes estimates of groundwater extraction, surface water use and total water use for the preceding year (Oct 2021 – Sep 2022)

5. Change in Groundwater Storage

- 4. Includes water budget estimate and change in groundwater storage map for the preceding year (Oct 2021 – Sep 2022)

6. Plan Implementation Status

- a) Includes a description of the progress towards implementation of the GSP, including progress toward achieving interim milestones and implementation of GSP projects

Data and Model Updates

- Groundwater elevations:
 - Available data collected for all wells in monitoring network through 2022
- Groundwater model update
 - Historical model period will be extended through water year 2022 (previously was simulated for 1998-2021)
 - No change will be made to the model calibration
 - Updated land use, precipitation and evapotranspiration data collected for 2021
 - Updated land use data has been provided for 2021 period by Bolthouse and Grimmway. Other key landowners have confirmed no change relative to 2020.
 - LandIQ will be providing updated land use data for other areas of the basin



TO: Standing Advisory Committee
Agenda Item No. 12c

FROM: Brian Van Lienden, Woodard & Curran

DATE: January 5, 2023

SUBJECT: Update on Monitoring Network Implementation

Recommended Motion

None – information only.

Discussion

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

Cuyama Basin Groundwater Sustainability Agency

12c. Update on Monitoring Network Implementation

Brian Van Lienden

January 5, 2023

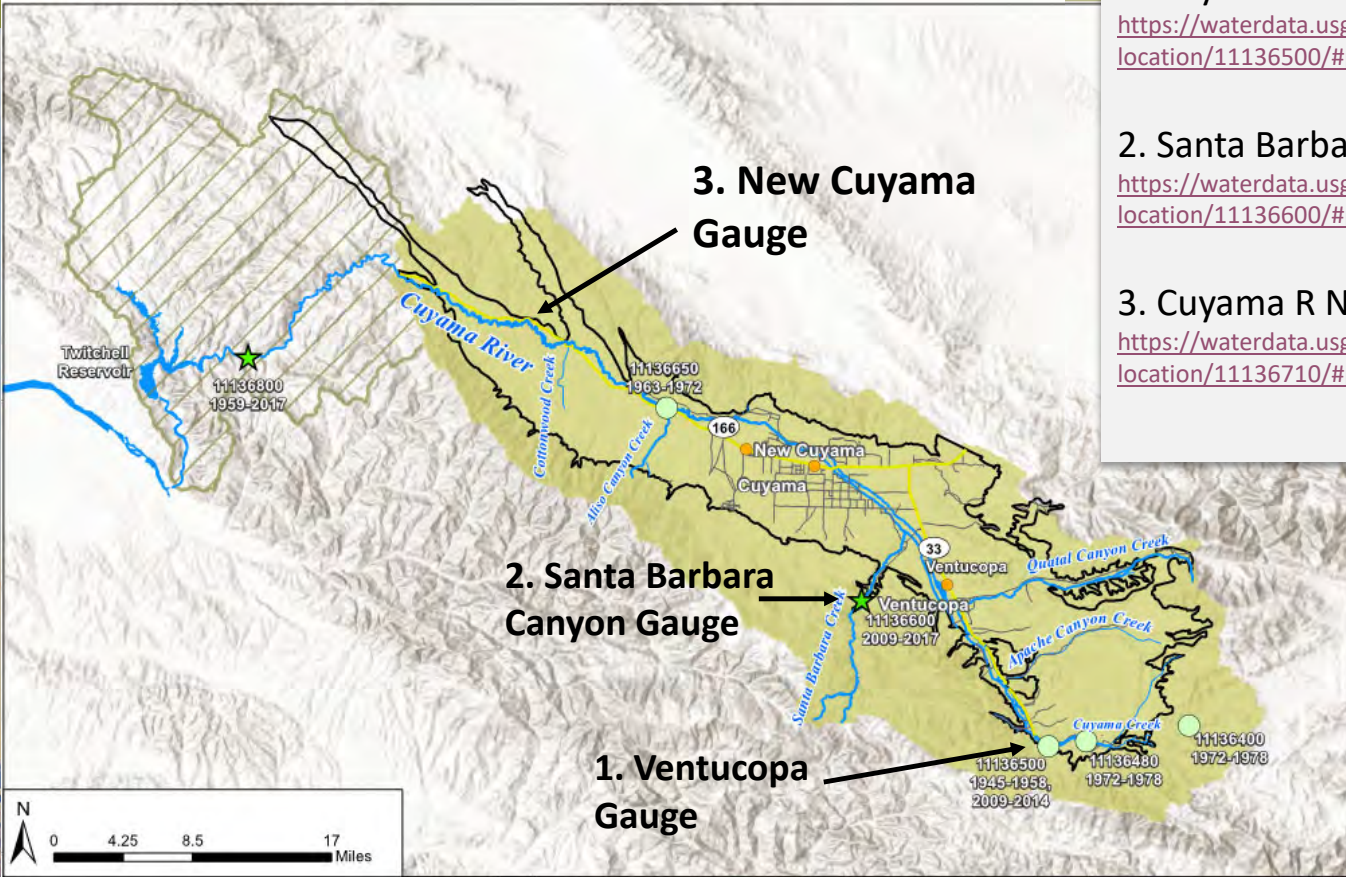


Stream Gauge Locations

Brian Van Lienden

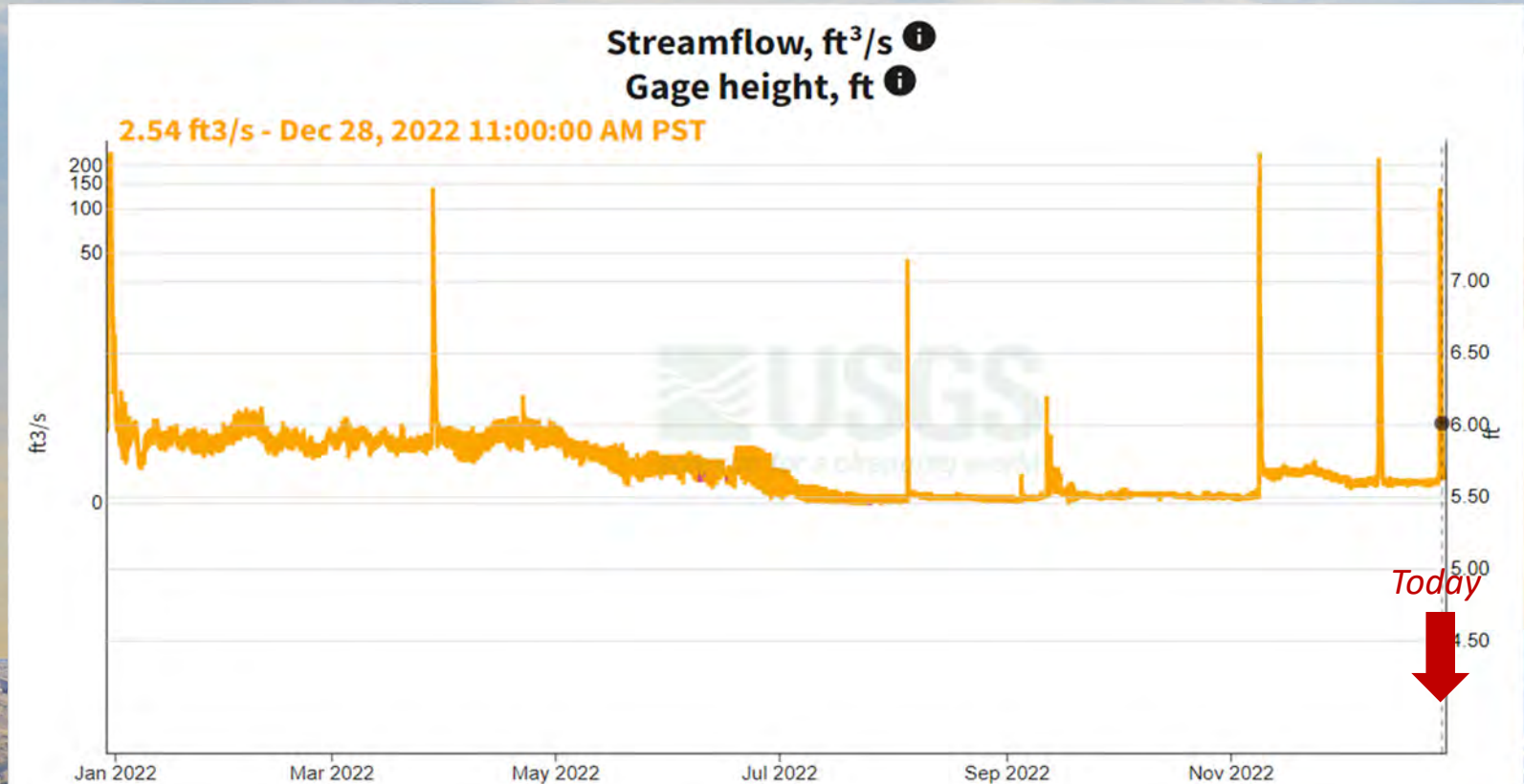
USGS DATA

- 1. Cuyama R NR Ventucopa
<https://waterdata.usgs.gov/monitoring-location/11136500/#parameterCode=00060&period=P365D>
- 2. Santa Barbara CYN C NR Ventucopa
<https://waterdata.usgs.gov/monitoring-location/11136600/#parameterCode=00060&period=P365D>
- 3. Cuyama R NR New Cuyama (Spanish Ranch)
<https://waterdata.usgs.gov/monitoring-location/11136710/#parameterCode=00060&period=P365D>



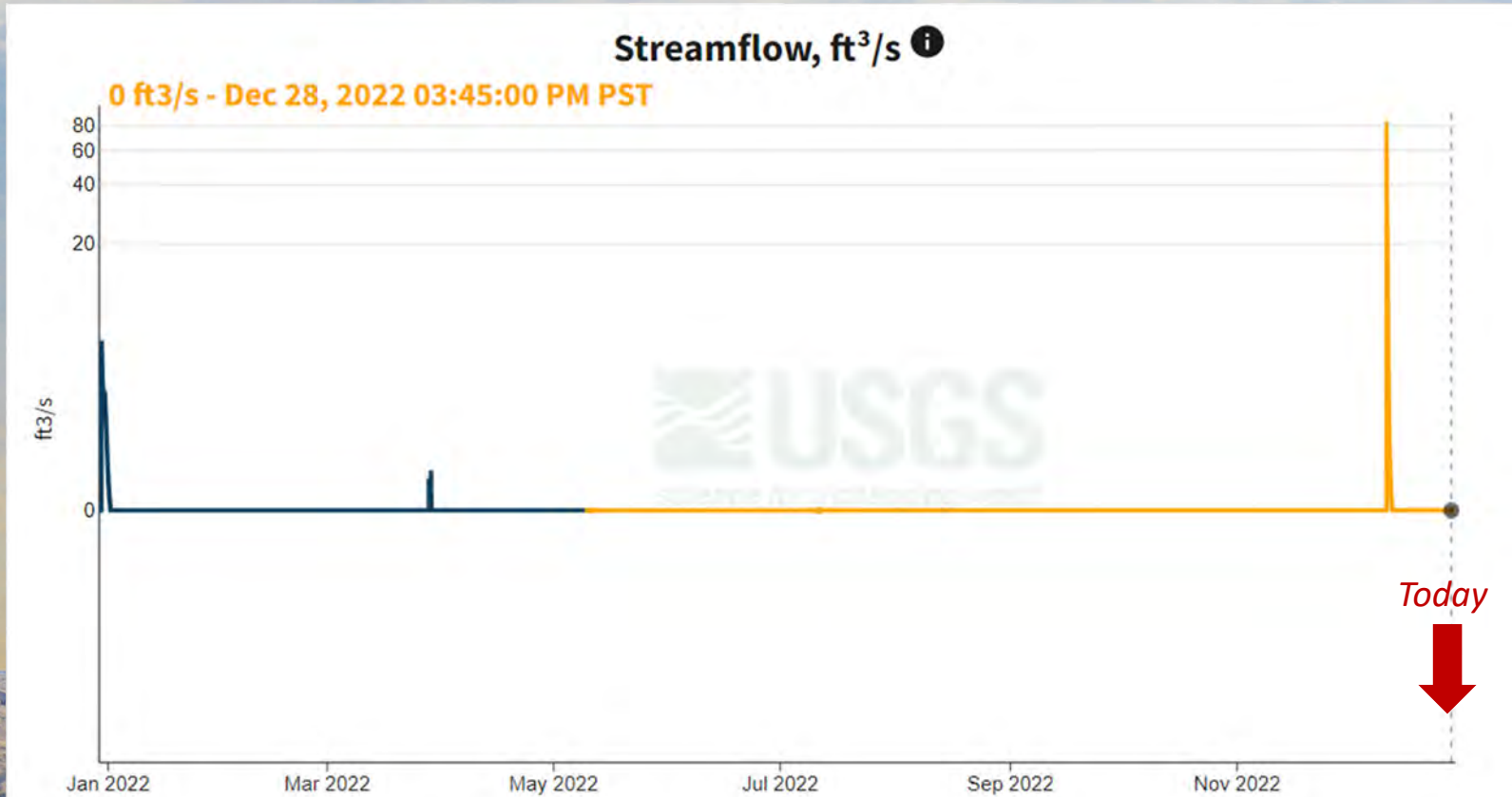
1. Cuyama R NR Ventucopa: Discharge Data

Brian Van Lienden



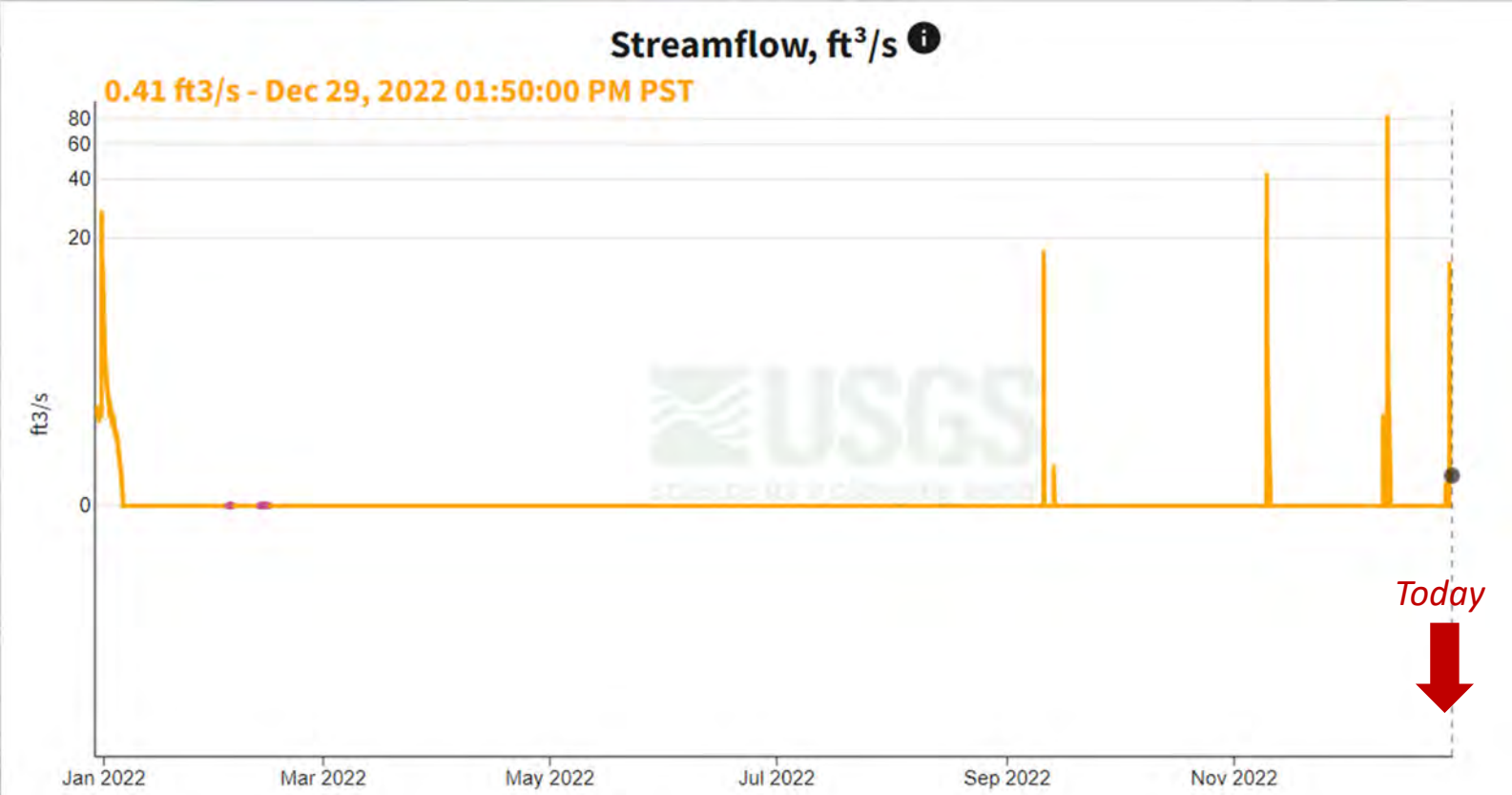
2. Santa Barbara CYN C NR Ventucopa: Discharge Data

Brian Van Lienden



3. Cuyama R NR New Cuyama (Spanish Ranch): Discharge Data

Brian Van Lienden



Schedule for Cuyama Basin Monitoring in 2023

Brian Van Lienden

- Quarterly groundwater levels monitoring:
 - January, April, July, October
- Annual water quality testing for TDS:
 - August

Update on DWR TSS Program

Brian Van Lienden

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



TO: Standing Advisory Committee
Agenda Item No. 12d

FROM: Brian Van Lienden, Woodard & Curran

DATE: January 5, 2023

SUBJECT: Update on October 2022 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 October 2022 Groundwater Conditions Report is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

12d. Update on October 2022 Groundwater Conditions Report

Brian Van Lienden

January 5, 2023

[Link to October Report](#)

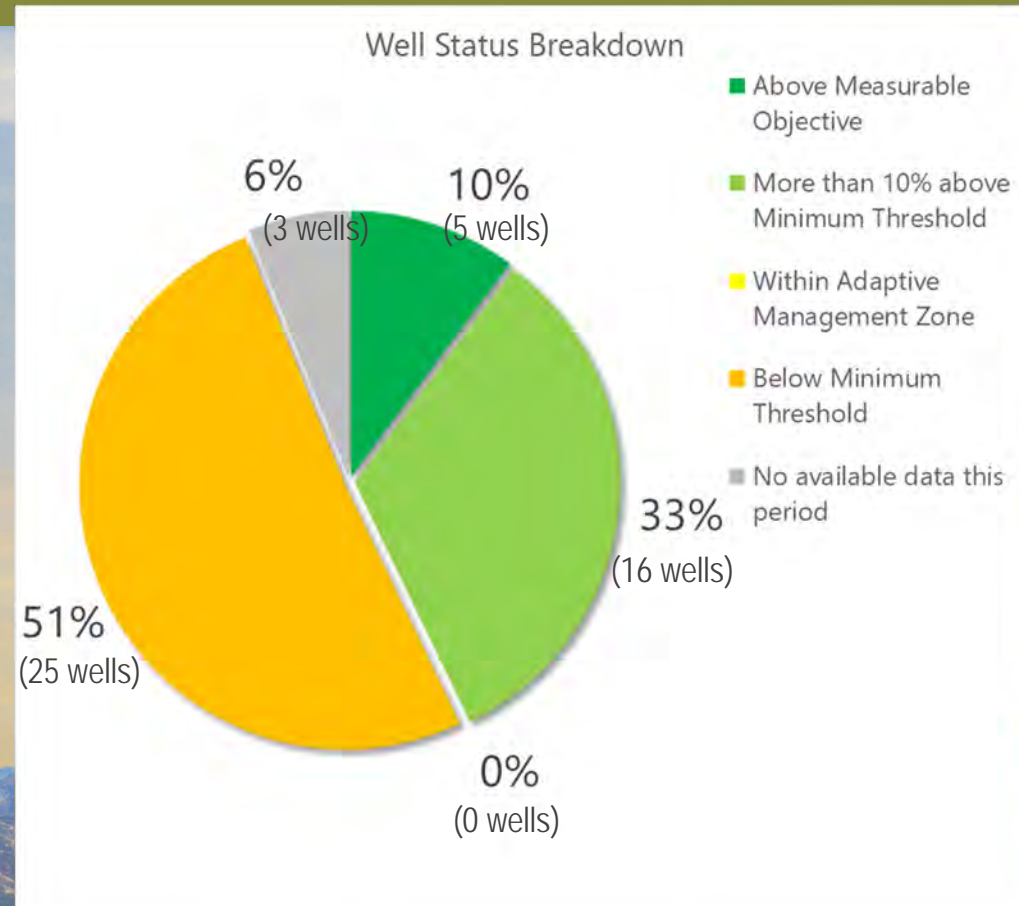
Groundwater Levels Monitoring Network – Summary of Current Conditions

56

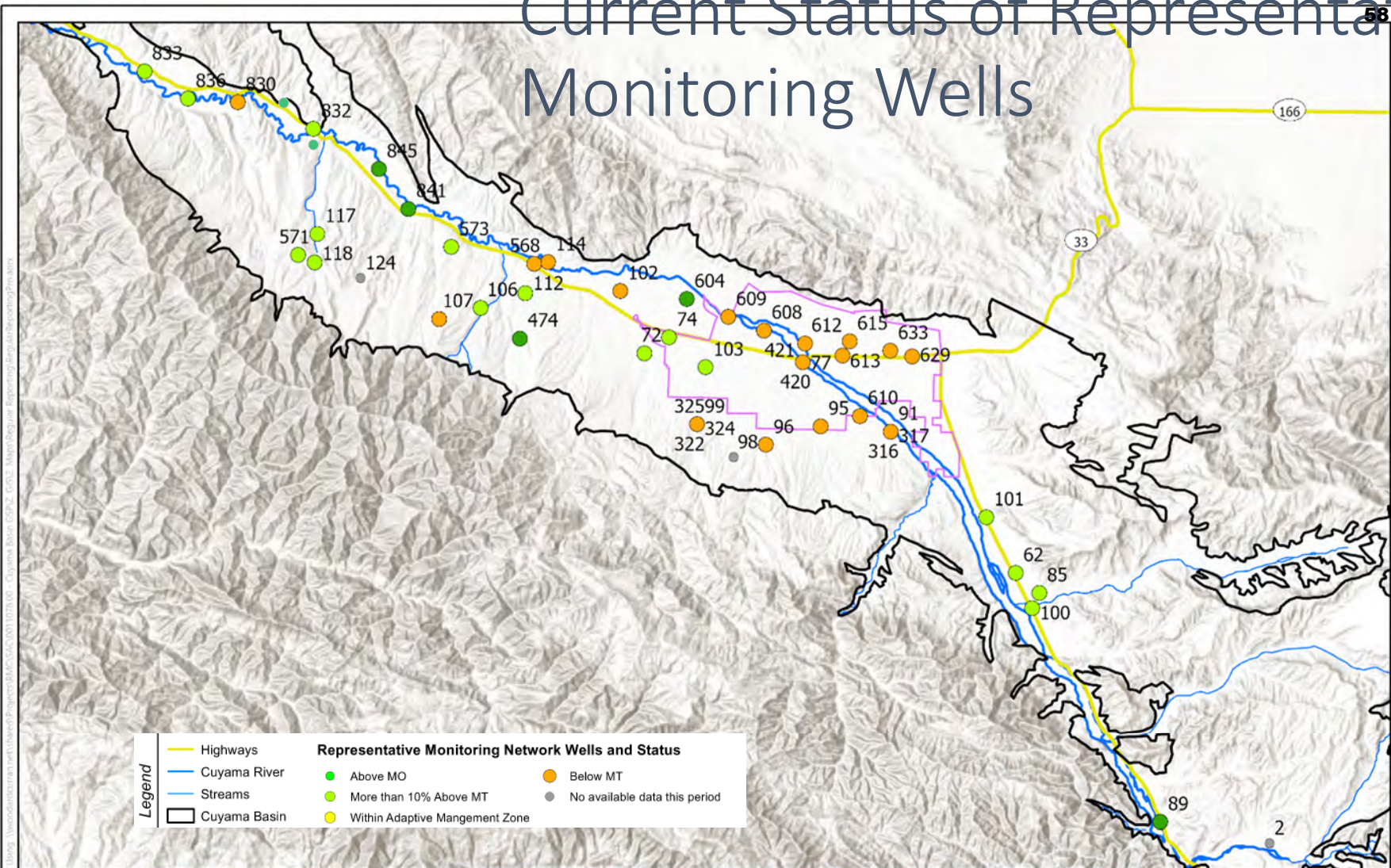
- Monitoring data from April 2022, July 2022, and October 2022 for representative wells is included in the Groundwater Conditions report
- 46 of 49 representative monitoring wells have levels data in at least one out of the previous 10 months
- 25 wells were below the minimum threshold based on latest measurement since January 2022

Summary of Groundwater Well Levels as Compared To Sustainability Criteria

- 25 wells are currently below minimum threshold (MT)
 - 30% of wells (i.e. 15 wells) below MT for 17 months
 - 8 of these were already below MT at time of GSP adoption
- Adaptive management analysis is currently under way as directed by Board in July & December

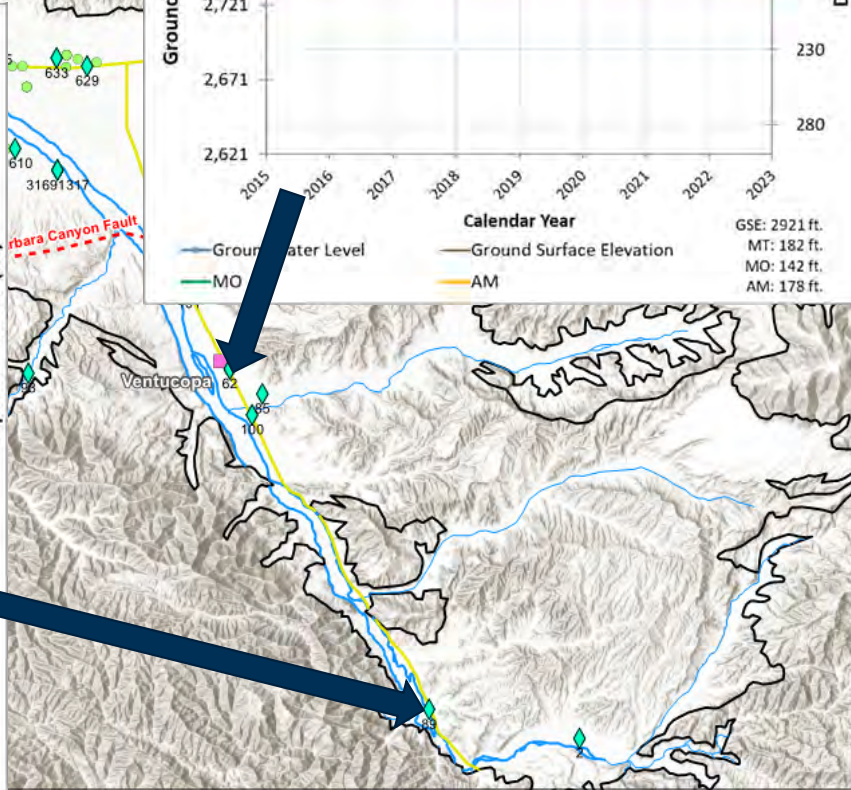
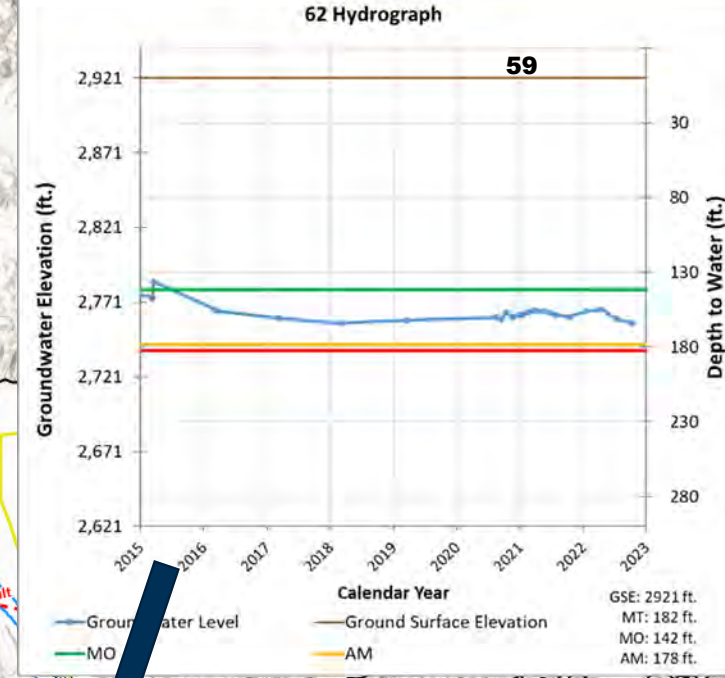
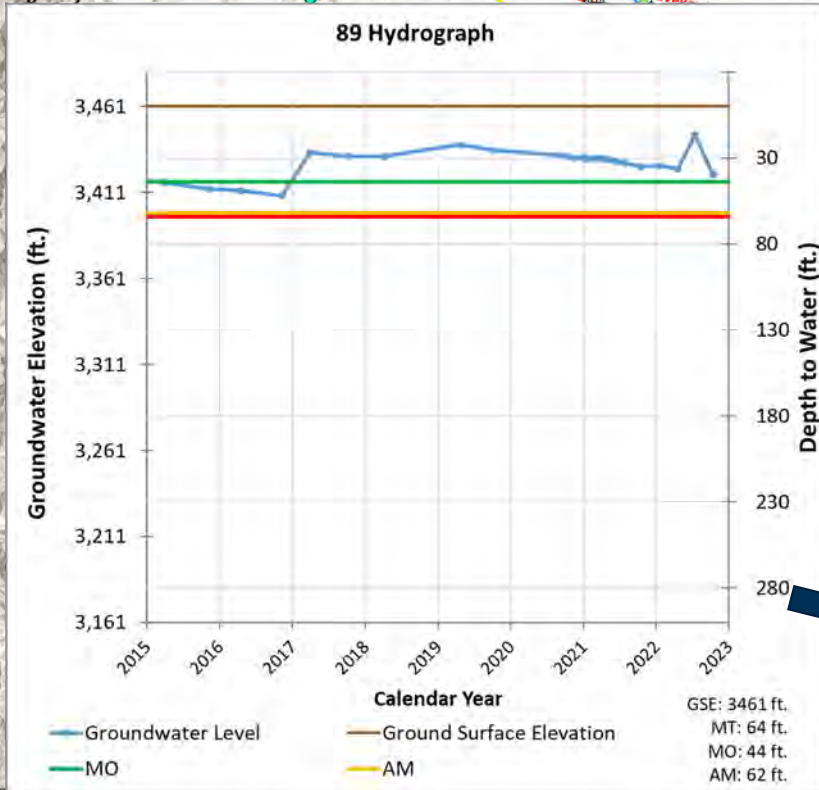


Current Status of Representative Monitoring Wells



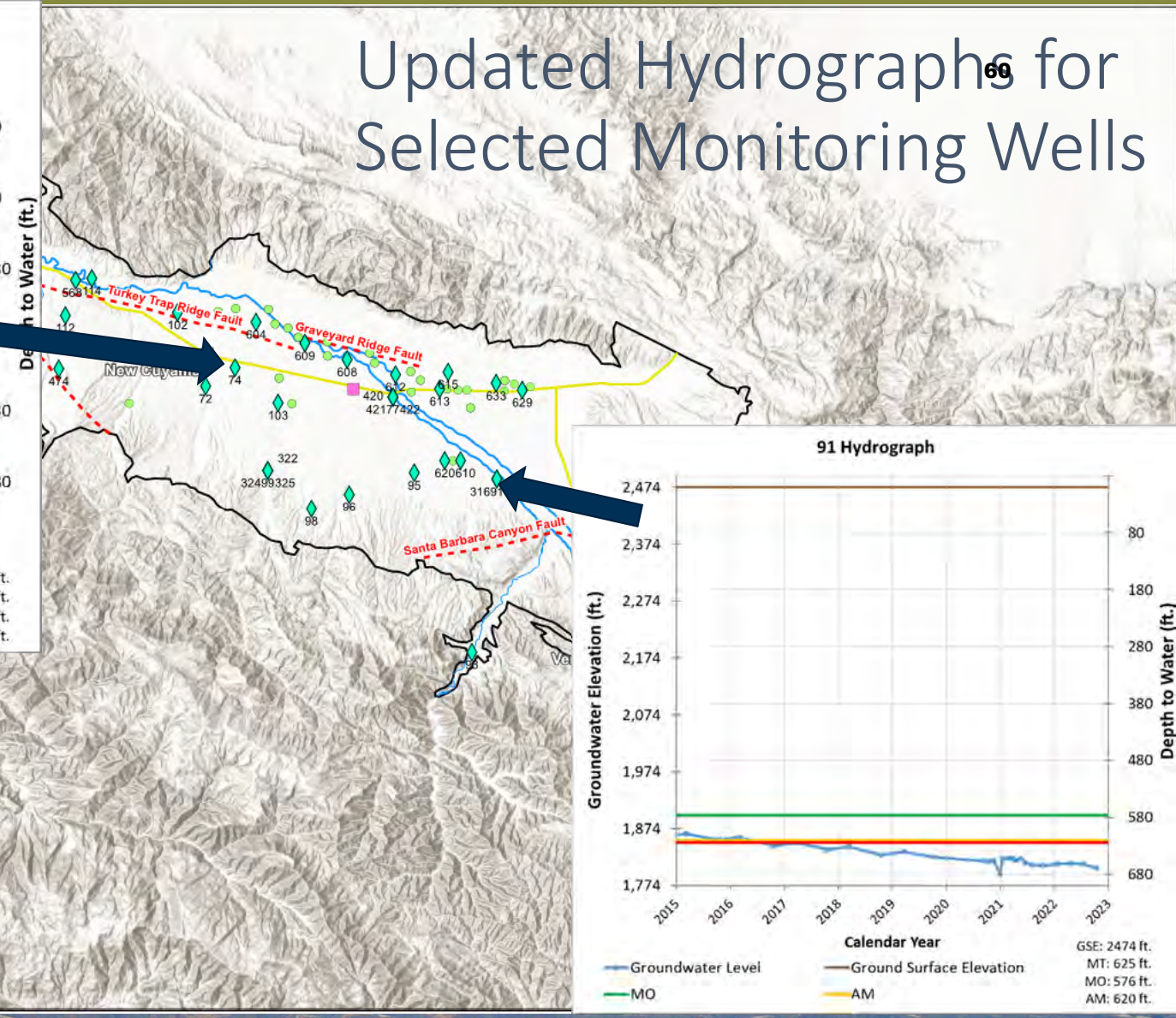
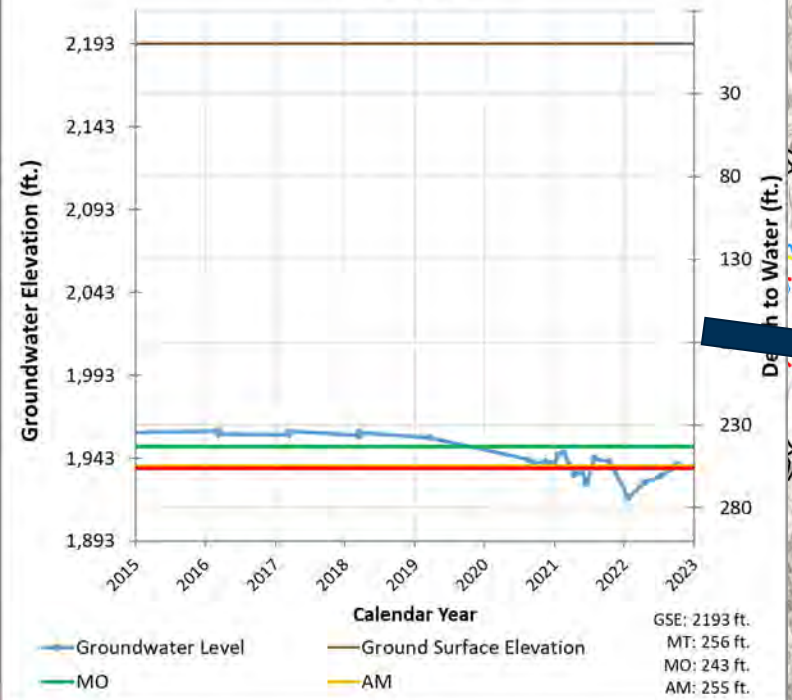
Map: Washington Infection Prevention Project (WIP3) | UTROR - Cuyama Basin | ESRI - Geo - MapServer | Representative Monitoring Network

Updated Hydrographs for Selected Monitoring Wells

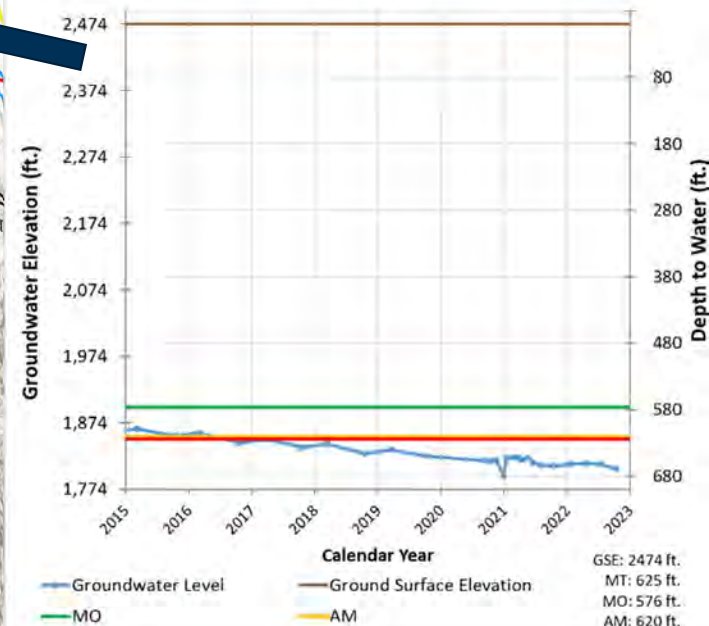


Updated Hydrographs for Selected Monitoring Wells

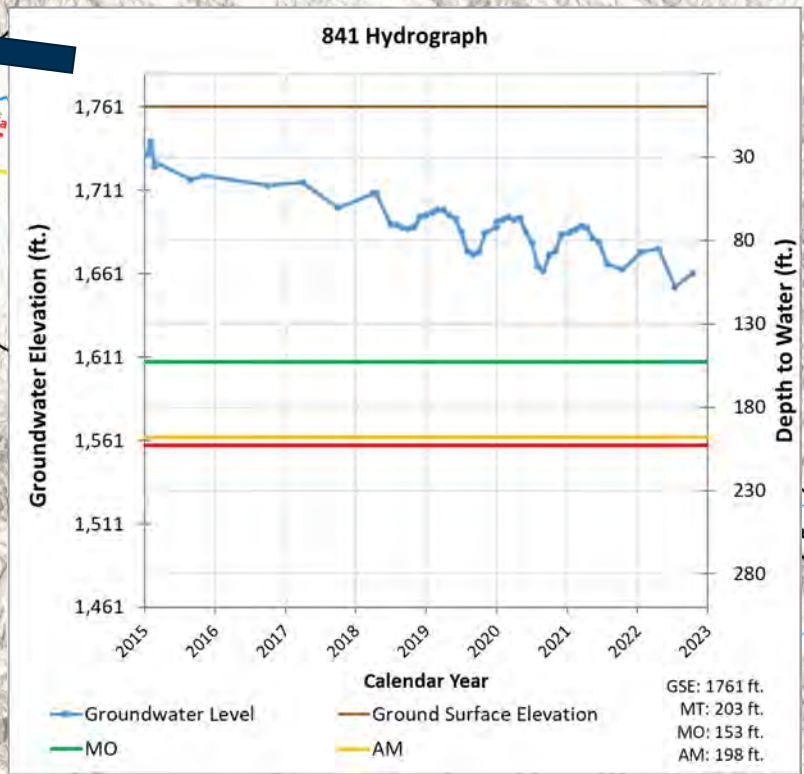
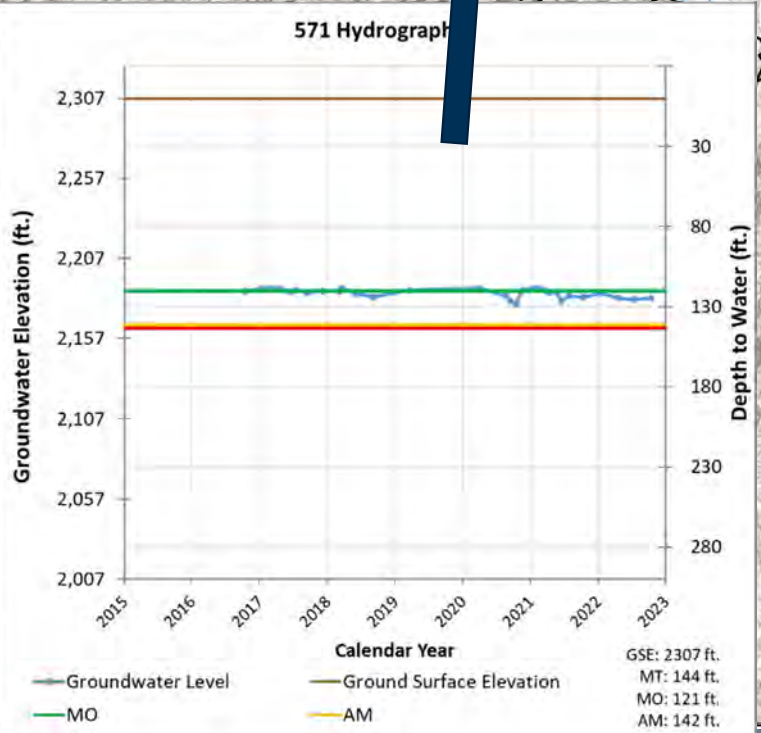
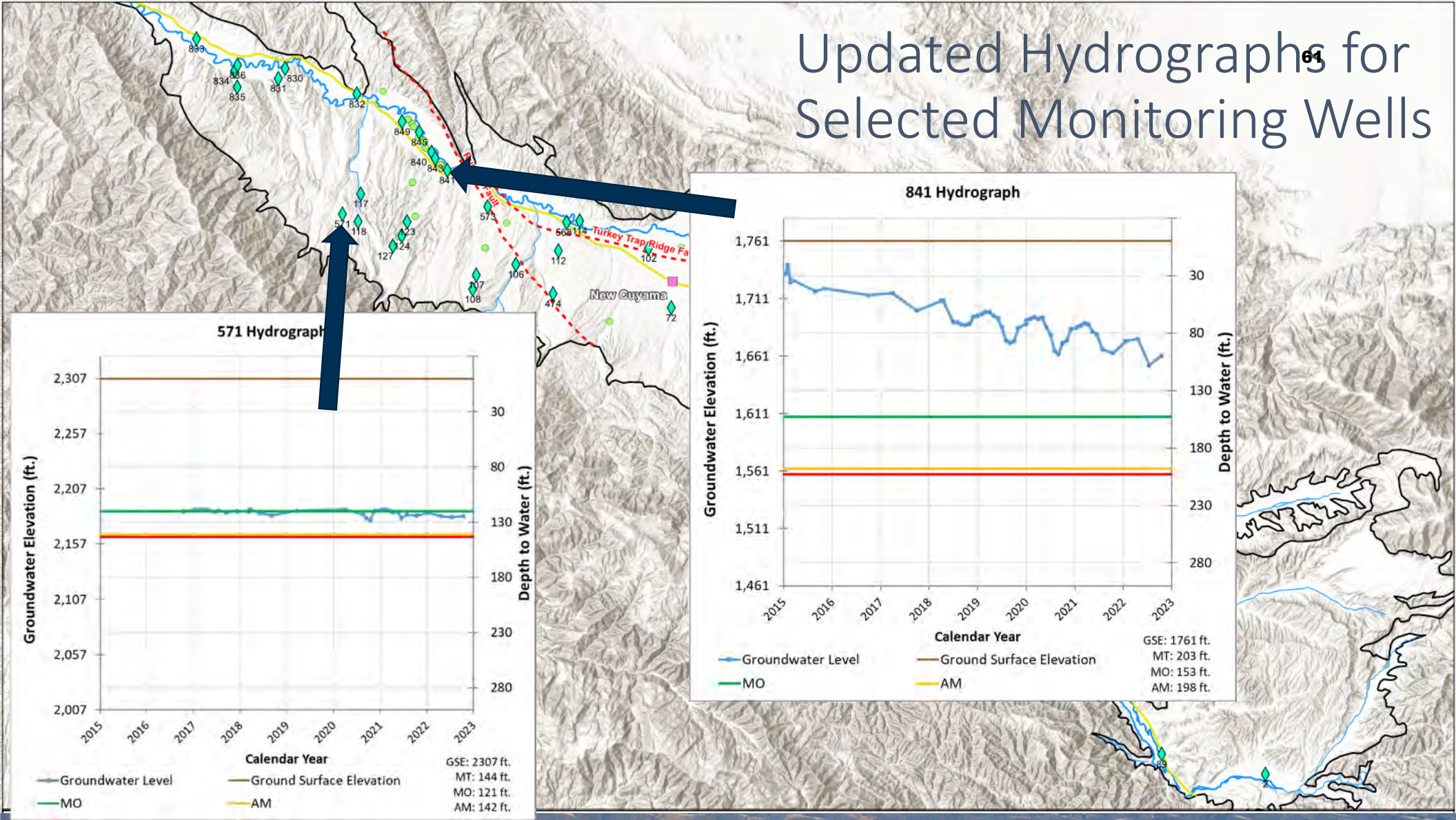
74 Hydrograph



91 Hydrograph



Updated Hydrographs for Selected Monitoring Wells





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

October 2022

801 T Street
Sacramento, CA
916.999.8700

woodardcurran.com

**Cuyama Basin
Groundwater
Sustainability Agency**

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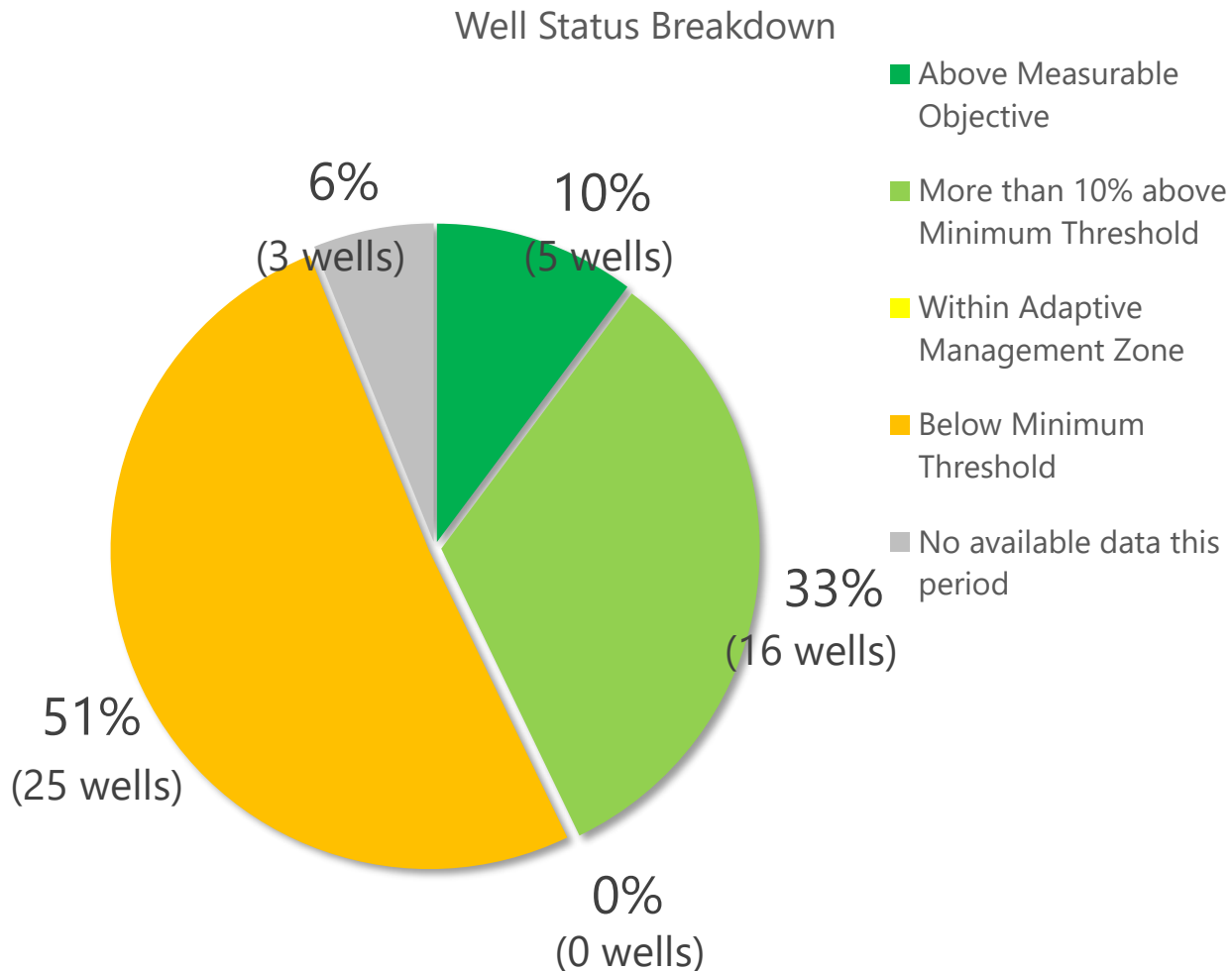
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1. INTRODUCTION

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



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, 33% of representative monitoring wells (i.e. 16 wells) have been below the minimum threshold for 17 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 | Apr-22 | Jul-22 | Oct-22 | Last Year | | Annual Elevation Change (ft) |
|------|---------|---------------|---------------|---------------|---------------|------------|------------------------------|
| | | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | Month/Year | |
| 72 | Central | 2021 | 2010 | 2014 | 1994 | Oct-21 | 20 |
| 74 | Central | 1928 | 1932 | 1939 | 1941 | Oct-21 | -2 |
| 77 | Central | 1803 | 1772 | 1779 | 1787 | Oct-21 | -8 |
| 91 | Central | 1813 | 1812 | 1805 | 1809 | Oct-21 | -4 |
| 95 | Central | 1847 | 1841 | 1851 | 1845 | Oct-21 | 6 |
| 96 | Central | 2271 | 2270 | 2269 | 2273 | Oct-21 | -3 |
| 98 | Central | - | - | - | - | - | - |
| 99 | Central | 2223 | 2178 | 2158 | 2154 | Oct-21 | 4 |
| 102 | Central | 1622 | - | - | 1668 | Oct-21 | - |
| 103 | Central | 2007 | 2014 | 2032 | 1962 | Oct-21 | 70 |
| 112 | Central | 2053 | 2053 | 2053 | 2054 | Oct-21 | -1 |
| 114 | Central | 1878 | 1878 | 1877 | 1879 | Oct-21 | -1 |
| 316 | Central | 1813 | 1811 | 1803 | 1809 | Oct-21 | -5 |
| 317 | Central | 1813 | 1813 | - | 1809 | Oct-21 | - |
| 322 | Central | 2222 | 2169 | 2156 | 2144 | Oct-21 | 13 |
| 324 | Central | 2220 | 2187 | 2178 | 2165 | Oct-21 | 13 |
| 325 | Central | 2222 | 2201 | 2200 | 2199 | Oct-21 | 1 |
| 420 | Central | 1792 | 1768 | 1725 | 1775 | Oct-21 | -50 |
| 421 | Central | 1793 | 1789 | 1787 | 1779 | Oct-21 | 8 |
| 474 | Central | 2204 | 2203 | 2203 | 2205 | Oct-21 | -3 |

| Well | Region | Apr-22 | Jul-22 | Oct-22 | Last Year | | Annual Elevation Change (ft) |
|------|--------------|------------------|------------------|------------------|------------------|----------------|------------------------------------|
| | | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | Month/ Year | |
| 568 | Central | 1868 | 1852 | 1851 | 1866 | Oct-21 | -15 |
| 604 | Central | - | - | - | 1644 | Oct-21 | - |
| 608 | Central | 1817 | - | 1782 | 1762 | Oct-21 | 21 |
| 609 | Central | 1760 | 1692 | 1707 | - | - | - |
| 610 | Central | 1814 | 1801 | 1808 | 1811 | Oct-21 | -3 |
| 612 | Central | 1793 | - | 1786 | - | - | - |
| 613 | Central | 1809 | 1792 | 1794 | 1806 | Oct-21 | -12 |
| 615 | Central | 1813 | 1795 | 1814 | 1814 | Oct-21 | 0 |
| 629 | Central | 1807 | - | 1812 | 1801 | Oct-21 | 10 |
| 633 | Central | 1794 | - | 1792 | 1785 | Oct-21 | 8 |
| 62 | Eastern | 2766 | 2760 | 2757 | 2761 | Oct-21 | -4 |
| 85 | Eastern | 2847 | 2846 | 2841 | 2847 | Oct-21 | -7 |
| 100 | Eastern | 2850 | 2849 | 2846 | 2851 | Oct-21 | -5 |
| 101 | Eastern | - | - | - | 2631 | Oct-21 | - |
| 841 | Northwestern | 1676 | 1653 | 1661 | 1663 | Oct-21 | -3 |
| 845 | Northwestern | 1645 | 1633 | 1638 | 1642 | Oct-21 | -4 |
| 2 | Southeastern | - | - | - | - | - | - |
| 89 | Southeastern | 3425 | 3445 | 3422 | 3426 | Oct-21 | -4 |
| 106 | Western | 2183 | 2183 | 2182 | 2183 | Oct-21 | -1 |
| 107 | Western | 2383 | 2392 | 2390 | 2392 | Oct-21 | -2 |
| 117 | Western | 1946 | 1945 | 1945 | - | - | - |

| Well | Region | Apr-22 | Jul-22 | Oct-22 | Last Year | | Annual Elevation Change (ft) |
|------|--------------------------|------------------|------------------|------------------|------------------|----------------|------------------------------------|
| | | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | GWL (ft. msl) | Month/ Year | |
| 118 | Western | 2210 | 2210 | 2212 | 2211 | Oct-21 | 1 |
| 124 | Western | - | - | - | - | - | - |
| 571 | Western | 2182 | 2181 | 2182 | 2183 | Oct-21 | 0 |
| 573 | Western | 2013 | 2012 | 2012 | 2013 | Oct-21 | -1 |
| 830 | Far-West Northwestern | 1510 | 1509 | 1508 | 1511 | Oct-21 | -4 |
| 832 | Far-West Northwestern | 1590 | 1590 | 1588 | 1591 | Oct-21 | -3 |
| 833 | Far-West Northwestern | - | 1423 | - | 1431 | Oct-21 | - |
| 836 | Far-West Northwestern | 1448 | 1447 | 1447 | 1448 | Oct-21 | -1 |

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 | 157 | 10/12/2022 | 169 | 165 | 124 | 790 | More than 10% above Minimum Threshold | No |
| 74 | Central | 254 | 10/12/2022 | 256 | 255 | 243 | | More than 10% above Minimum Threshold | No |
| 77 | Central | 507 | 10/13/2022 | 450 | 445 | 400 | 980 | Below Minimum Threshold (26 months) | No |
| 91 | Central | 669 | 10/12/2022 | 625 | 620 | 576 | 980 | Below Minimum Threshold (26 months) | No |
| 95 | Central | 598 | 10/13/2022 | 573 | 570 | 538 | 805 | Below Minimum Threshold (26 months) | No |
| 96 | Central | 337 | 10/12/2022 | 333 | 332 | 325 | 500 | Below Minimum Threshold (23 months) | No |
| 98 | Central | - | - | 450 | 449 | 439 | 750 | No available data this period (no available data in past 15 months) | No |
| 99 | Central | 355 | 10/12/2022 | 311 | 310 | 300 | 750 | Below Minimum Threshold (4 months) | No |
| 102 | Central | - | - | 235 | 231 | 197 | | No available data this period (below MT in Apr 2022, 22 months) | No |
| 103 | Central | 257 | 10/12/2022 | 290 | 285 | 235 | 1030 | More than 10% above Minimum Threshold | No |
| 112 | Central | 86 | 10/13/2022 | 87 | 87 | 85 | 441 | More than 10% above Minimum Threshold | No |
| 114 | Central | 48 | 10/13/2022 | 47 | 47 | 45 | 58 | Below Minimum Threshold (7 months) | No |
| 316 | Central | 671 | 10/12/2022 | 623 | 618 | 574 | 830 | Below Minimum Threshold (26 months) | No |
| 317 | Central | - | - | 623 | 618 | 573 | 700 | No available data this period (below MT in Jul 2022, 26 months) | No |

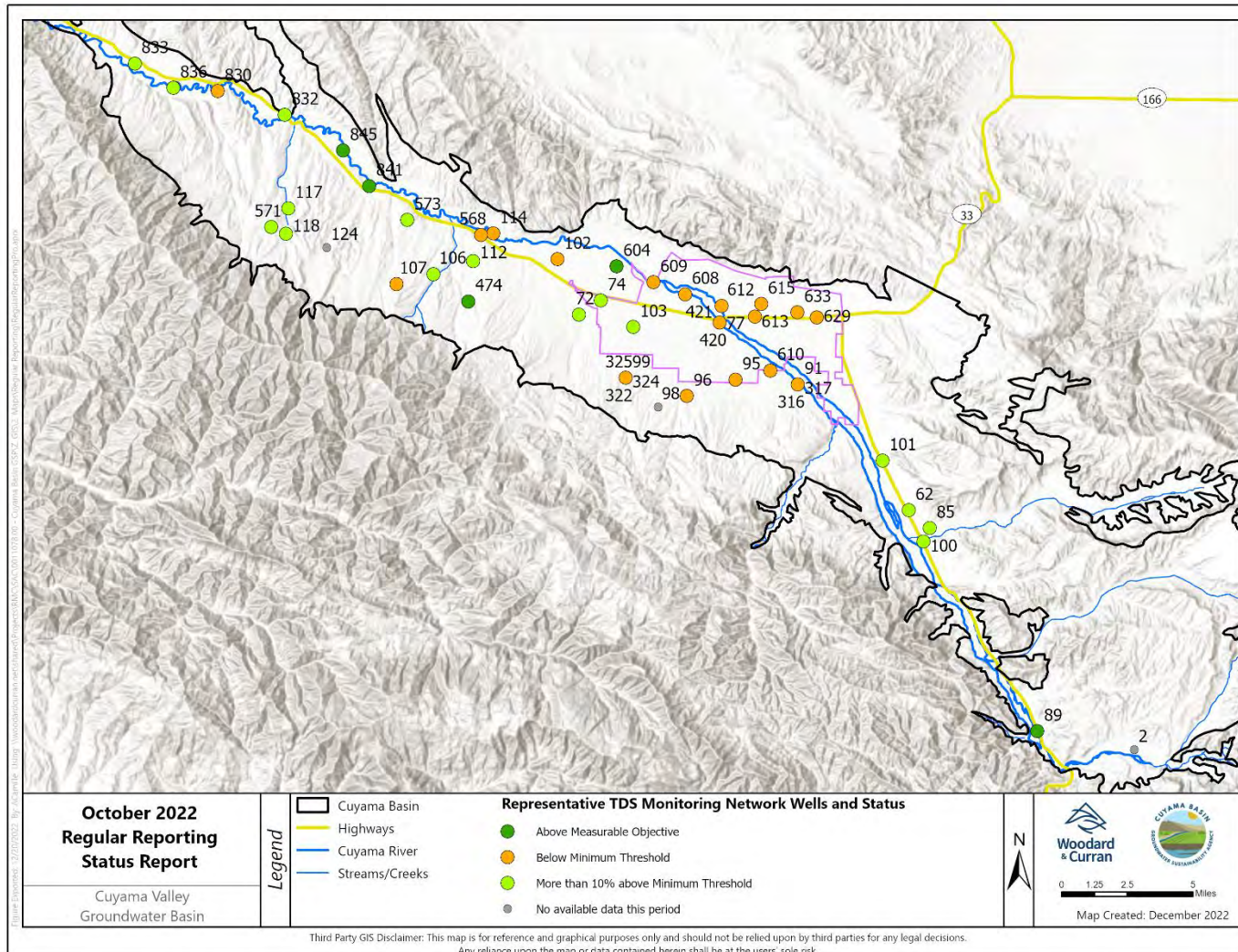
| Well | Region | Current Month | | Minimum Threshold | Within 10% Minimum Threshold | Measurable Objective | Well Depth | Status | GSA Action Required? |
|------|---------|---------------|------------|-------------------|------------------------------|----------------------|------------|--|----------------------|
| | | GWL (DTW) | Date | | | | | | |
| 322 | Central | 356 | 10/12/2022 | 307 | 306 | 298 | 850 | Below Minimum Threshold (4 months) | No |
| 324 | Central | 335 | 10/12/2022 | 311 | 310 | 299 | 560 | Below Minimum Threshold (4 months) | No |
| 325 | Central | 313 | 10/12/2022 | 300 | 299 | 292 | 380 | Below Minimum Threshold (4 months) | No |
| 420 | Central | 561 | 10/13/2022 | 450 | 445 | 400 | 780 | Below Minimum Threshold (26 months) | No |
| 421 | Central | 499 | 10/13/2022 | 446 | 441 | 398 | 620 | Below Minimum Threshold (26 months) | No |
| 474 | Central | 166 | 10/13/2022 | 188 | 186 | 169 | 213 | Above Measurable Objective | No |
| 568 | Central | 54 | 10/12/2022 | 37 | 37 | 36 | 188 | Below Minimum Threshold (17 months) | No |
| 604 | Central | - | - | 526 | 522 | 487 | 924 | No available data this period (above MO in Jan 2022) | No |
| 608 | Central | 441 | 10/13/2022 | 436 | 433 | 407 | 745 | Below Minimum Threshold (1 month) | No |
| 609 | Central | 460 | 10/13/2022 | 458 | 454 | 421 | 970 | Below Minimum Threshold (4 months) | No |
| 610 | Central | 634 | 10/12/2022 | 621 | 618 | 591 | 780 | Below Minimum Threshold (18 months) | No |
| 612 | Central | 480 | 10/13/2022 | 463 | 461 | 440 | 1070 | Below Minimum Threshold (10 months) | No |
| 613 | Central | 536 | 10/13/2022 | 503 | 500 | 475 | 830 | Below Minimum Threshold (24 months) | No |
| 615 | Central | 513 | 10/13/2022 | 500 | 497 | 468 | 865 | Below Minimum Threshold (23 months) | No |
| 629 | Central | 567 | 10/13/2022 | 559 | 556 | 527 | 1000 | Below Minimum Threshold (19 months) | No |

| Well | Region | Current Month | | Minimum Threshold | Within 10% Minimum Threshold | Measurable Objective | Well Depth | Status | GSA Action Required? |
|------|--------------|---------------|------------|-------------------|------------------------------|----------------------|------------|---|----------------------|
| | | GWL (DTW) | Date | | | | | | |
| 633 | Central | 572 | 10/13/2022 | 547 | 542 | 493 | 1000 | Below Minimum Threshold (19 months) | No |
| 62 | Eastern | 164 | 10/12/2022 | 182 | 178 | 142 | 212 | More than 10% above Minimum Threshold | No |
| 85 | Eastern | 206 | 10/12/2022 | 233 | 225 | 147 | 233 | More than 10% above Minimum Threshold | No |
| 100 | Eastern | 158 | 10/12/2022 | 181 | 175 | 125 | 284 | More than 10% above Minimum Threshold | No |
| 101 | Eastern | - | - | 111 | 108 | 81 | 200 | No available data this period (>10% above MT in Jan 2022) | No |
| 841 | Northwestern | 100 | 10/13/2022 | 203 | 198 | 153 | 600 | Above Measurable Objective | No |
| 845 | Northwestern | 74 | 10/13/2022 | 203 | 198 | 153 | 380 | Above Measurable Objective | No |
| 2 | Southeastern | - | - | 72 | 70 | 55 | 73 | No available data this period (no available data in past 12 months) | No |
| 89 | Southeastern | 39 | 10/13/2022 | 64 | 62 | 44 | 125 | Above Measurable Objective | No |
| 106 | Western | 144 | 10/13/2022 | 154 | 153 | 141 | 228 | More than 10% above Minimum Threshold | No |
| 107 | Western | 92 | 10/13/2022 | 91 | 89 | 72 | 200 | Below Minimum Threshold (1 month) | No |
| 117 | Western | 153 | 10/12/2022 | 160 | 159 | 151 | 212 | More than 10% above Minimum Threshold | No |
| 118 | Western | 58 | 10/12/2022 | 124 | 117 | 57 | 500 | More than 10% above Minimum Threshold | No |
| 124 | Western | - | - | 73 | 71 | 57 | 161 | No available data this period (no available data in past 12 months) | No |
| 571 | Western | 124 | 10/12/2022 | 144 | 142 | 121 | 280 | More than 10% above Minimum Threshold | No |
| 573 | Western | 72 | 10/13/2022 | 118 | 113 | 68 | 404 | More than 10% above Minimum Threshold | No |

| Well | Region | Current Month | | Minimum Threshold | Within 10% Minimum Threshold | Measurable Objective | Well Depth | Status | GSA Action Required? |
|------|-----------------------|---------------|------------|-------------------|------------------------------|----------------------|------------|--|----------------------|
| | | GWL (DTW) | Date | | | | | | |
| 830 | Far-West Northwestern | 63 | 10/13/2022 | 59 | 59 | 56 | 77 | Below Minimum Threshold (16 months) | No |
| 832 | Far-West Northwestern | 42 | 10/12/2022 | 45 | 44 | 30 | 132 | More than 10% above Minimum Threshold | No |
| 833 | Far-West Northwestern | - | - | 96 | 89 | 24 | 504 | No available data this period (> 10% above MT in Jul 2022) | No |
| 836 | Far-West Northwestern | 39 | 10/13/2022 | 79 | 75 | 36 | 325 | More than 10% above Minimum Threshold | 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 October 2022



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

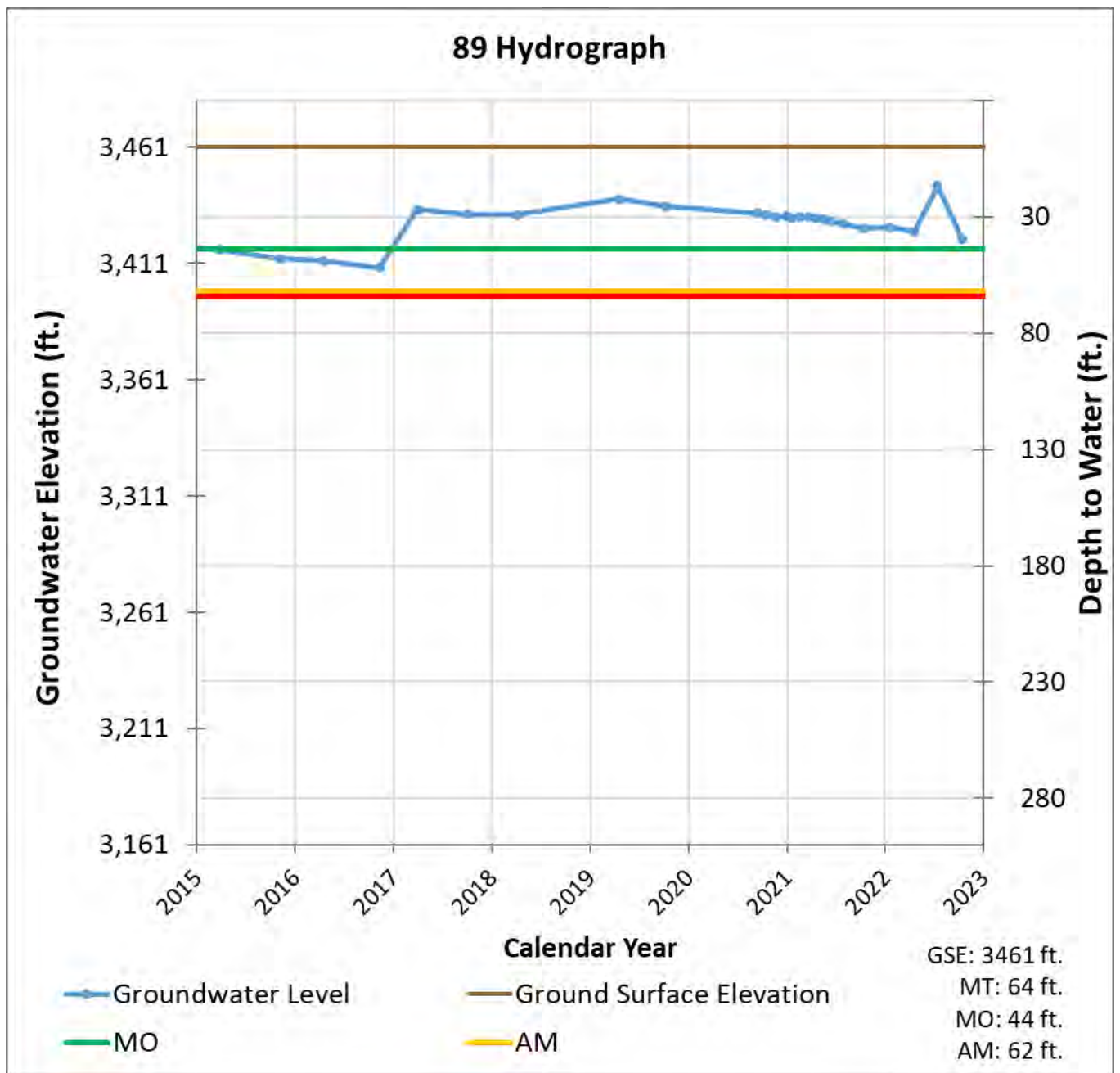


Figure 3: Eastern Region – Well 62

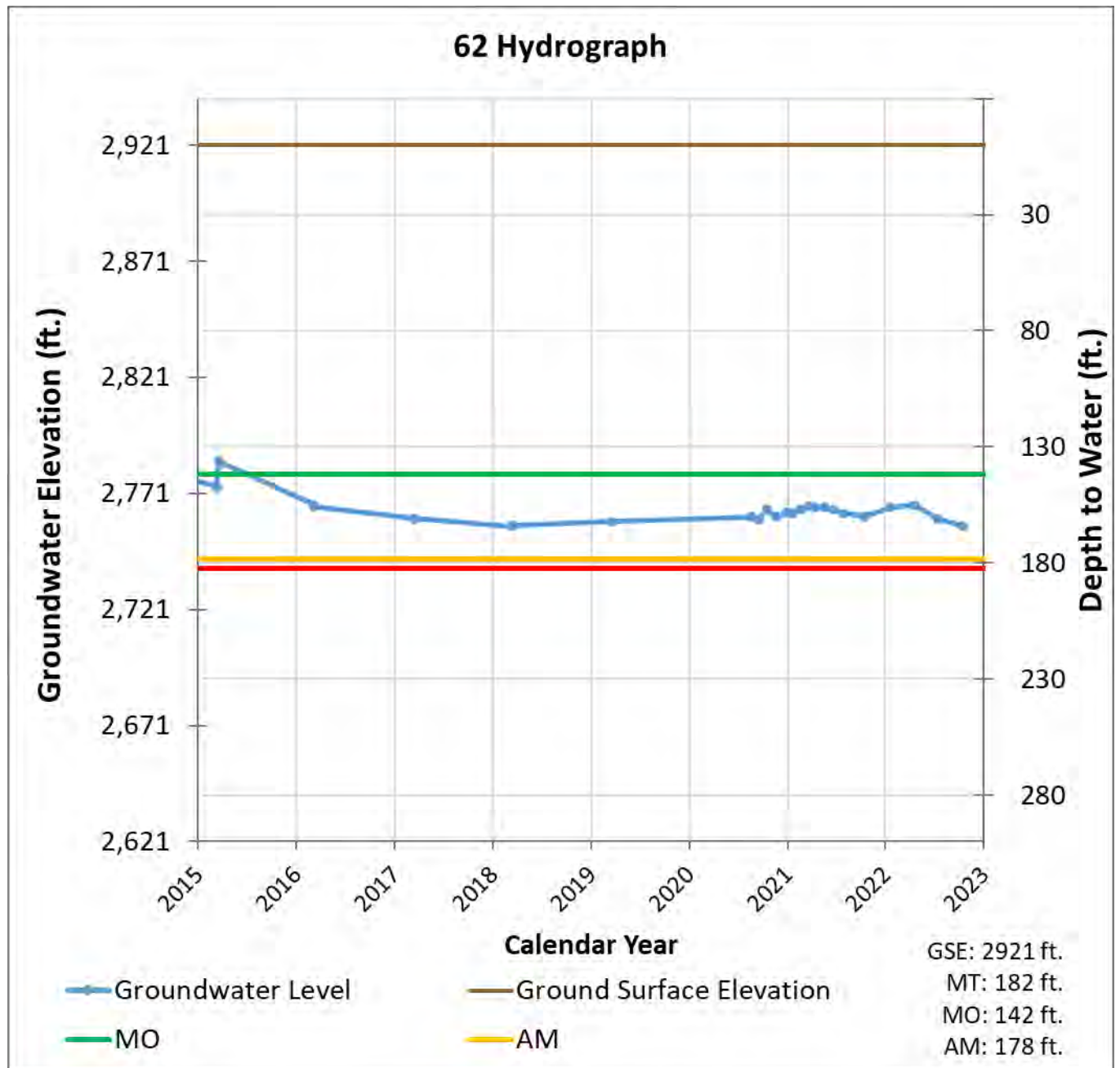


Figure 4: Central Region – Well 91

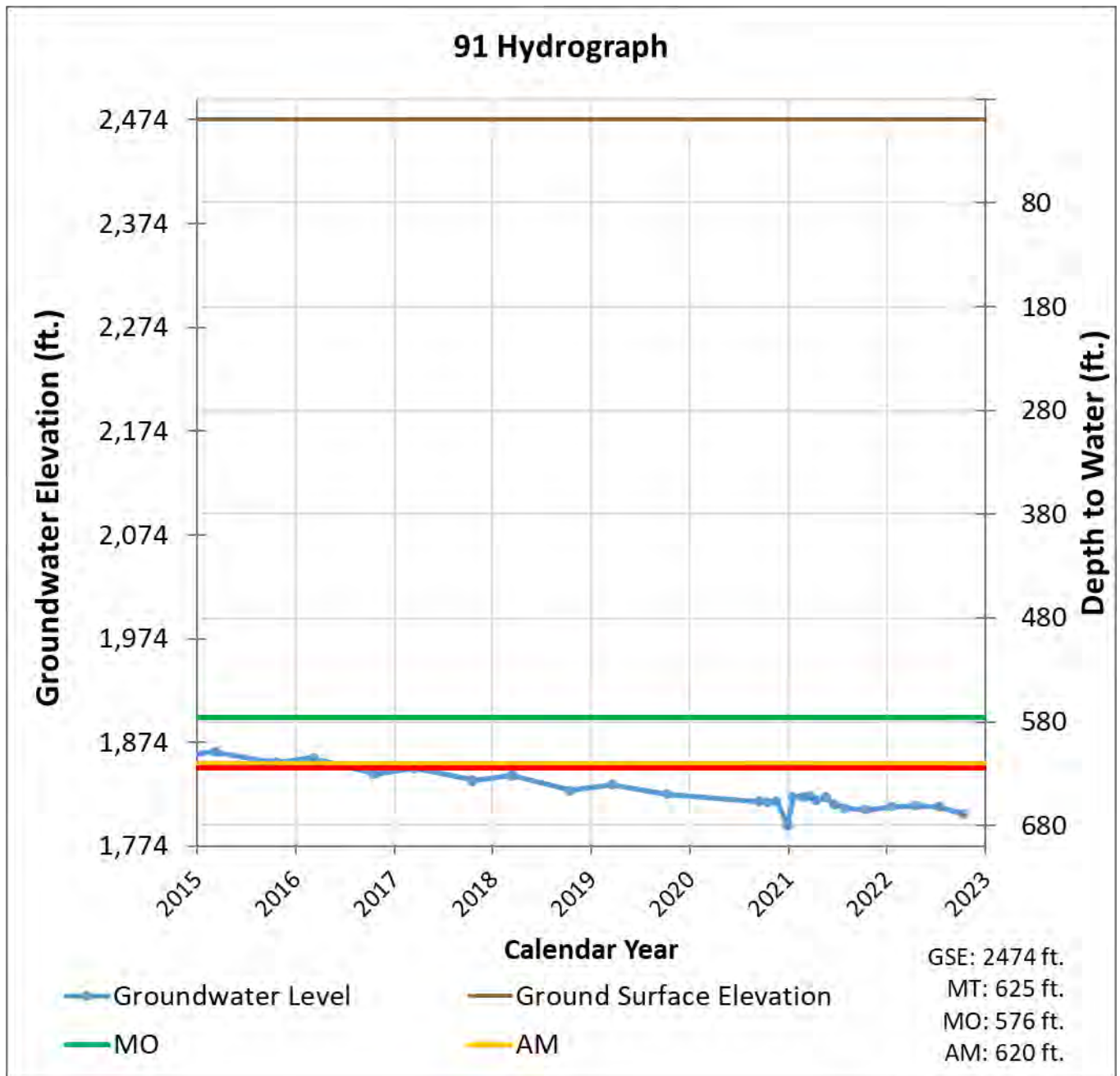


Figure 5: Central Region – Well 74

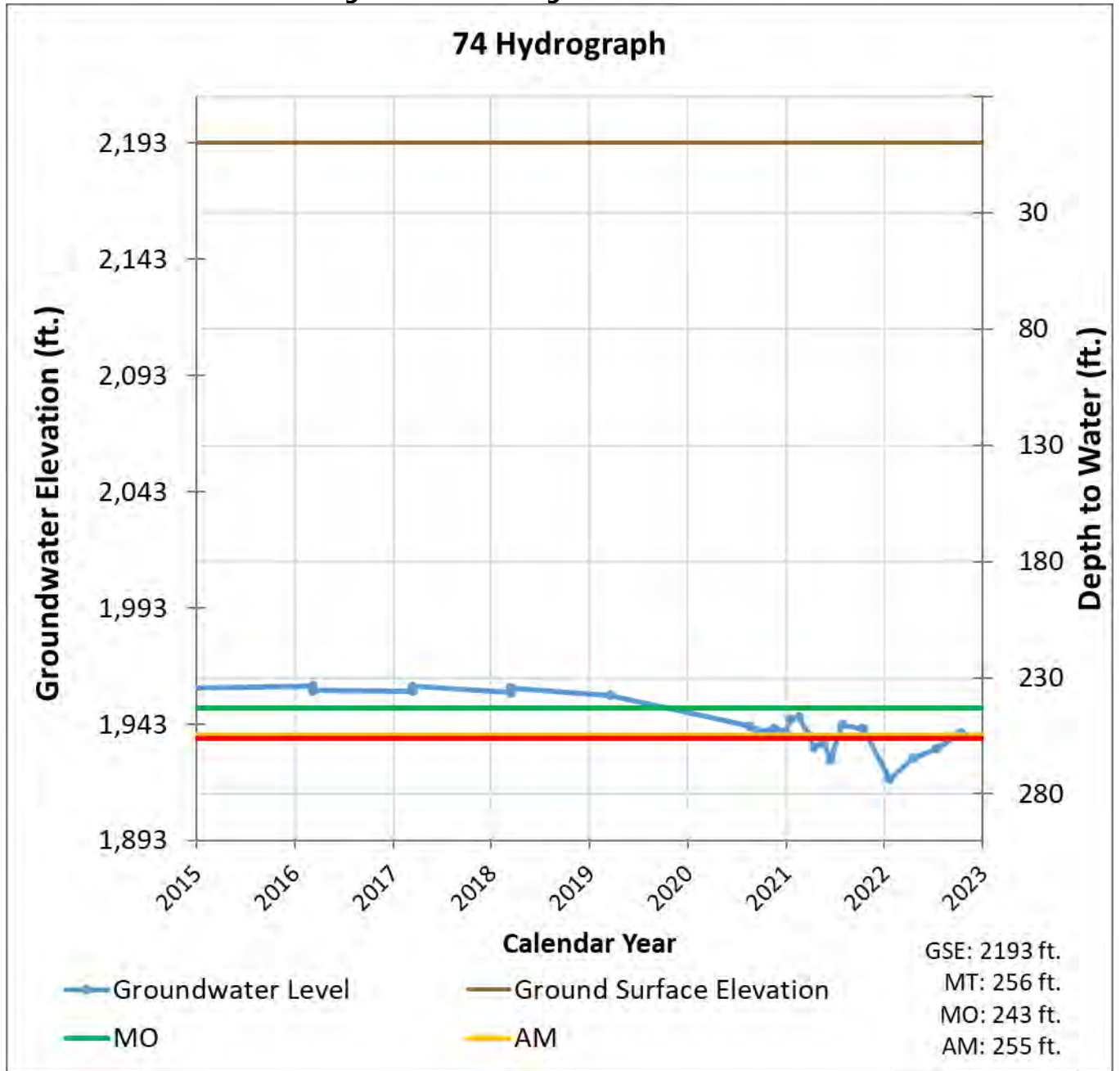


Figure 6: Western Region – Well 571

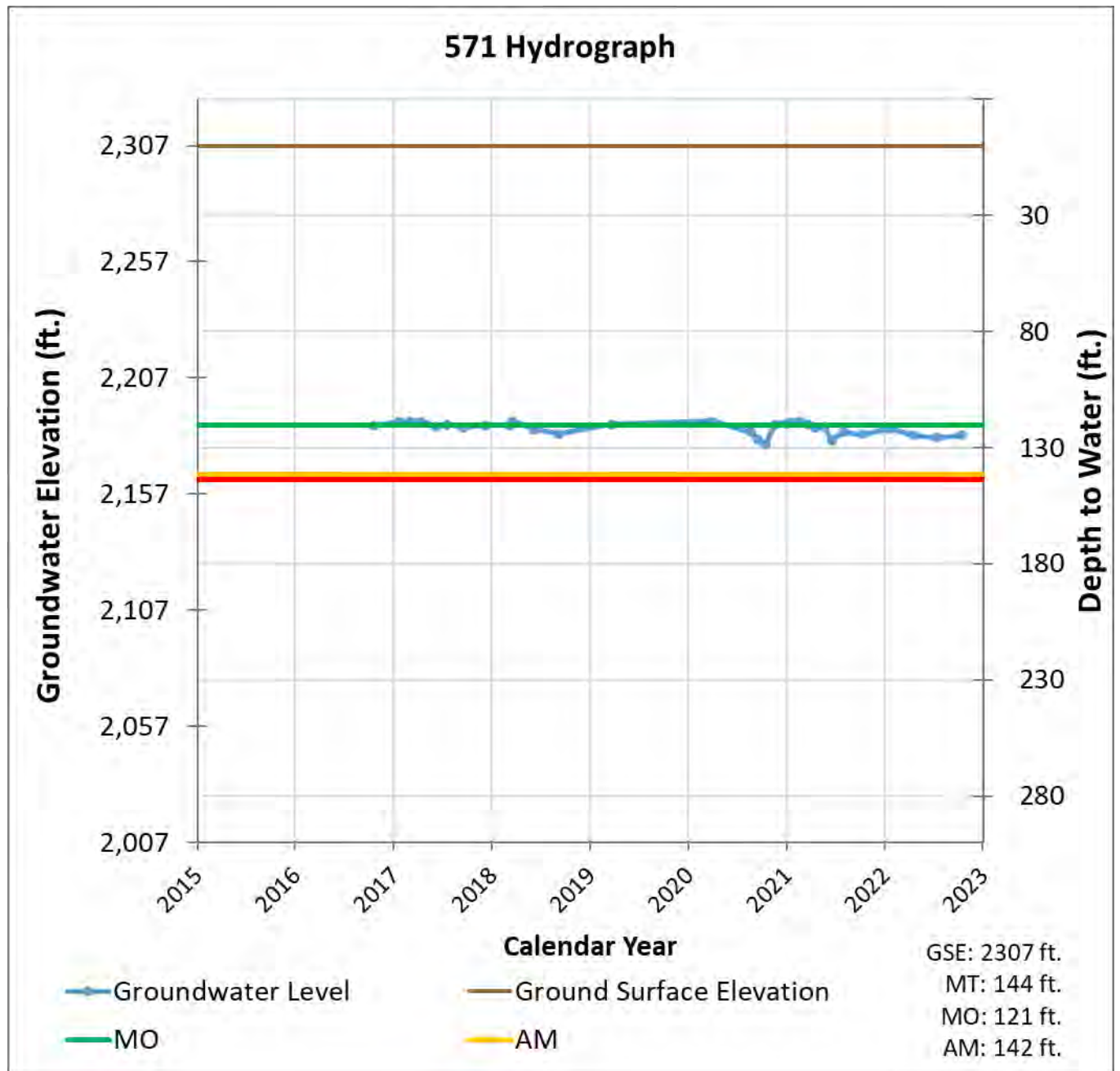
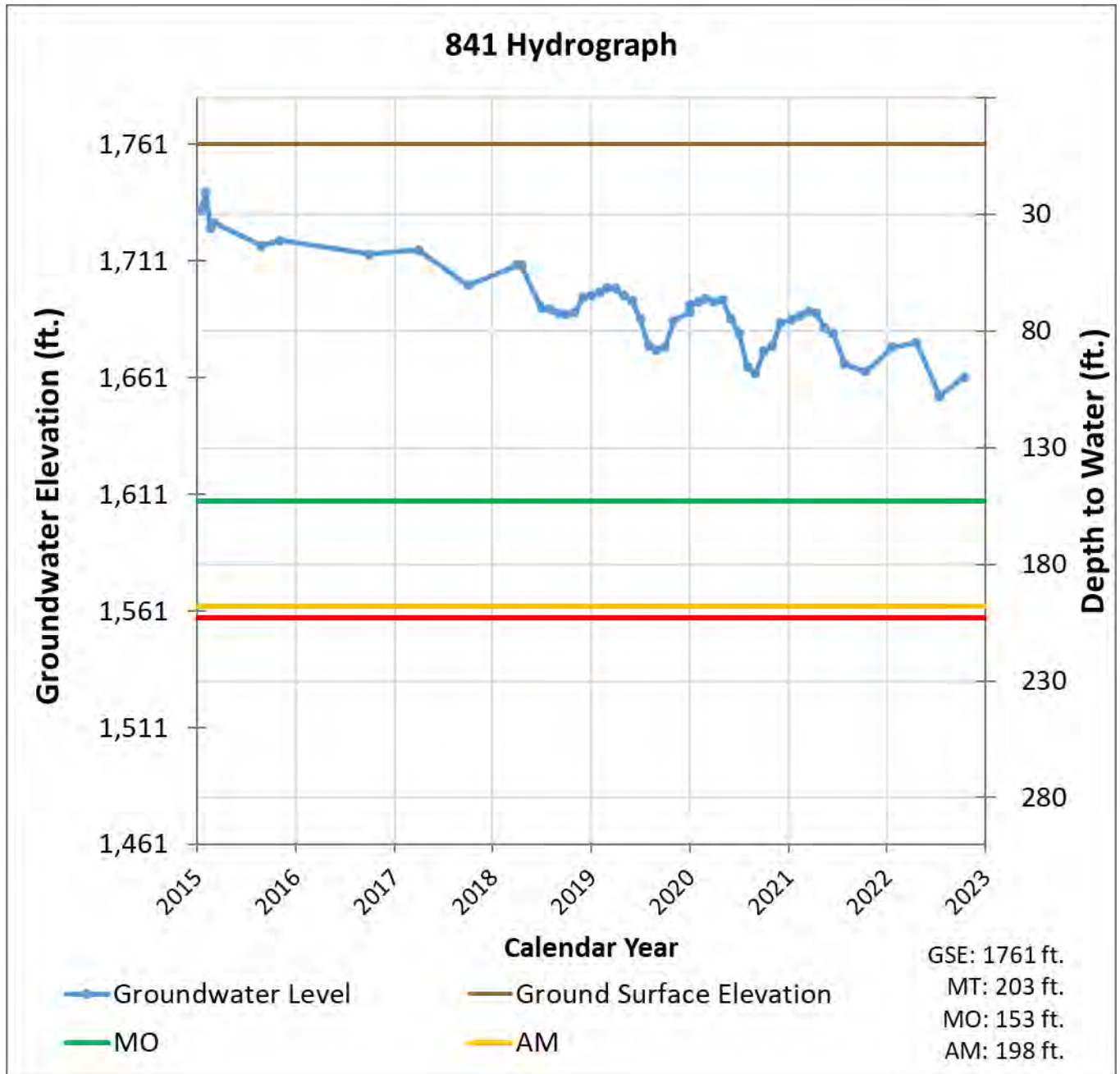


Figure 7: Northwestern Region – Well 841



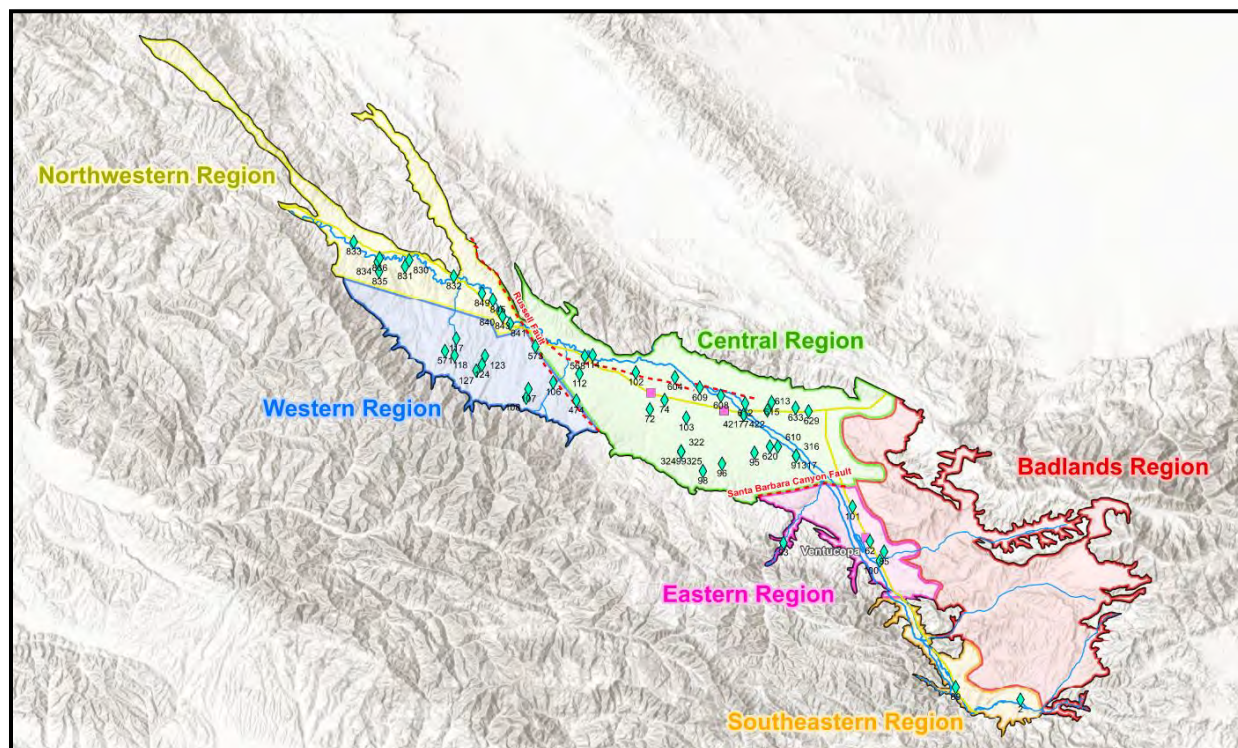


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

As shown in Table 2, there are 8 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 2, 98, 124
- Transducer data was not able to be downloaded:
 - Wells 102, 317
- Measurement was not possible at the time when the field technician went to take measurements:
 - Wells 101, 604, 833



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TO: Standing Advisory Committee
Agenda Item No. 13c

FROM: Jim Beck, Executive Director

DATE: January 5, 2023

SUBJECT: Board of Directors Agenda Review

Recommended Motion

None – informational only.

Discussion

The Cuyama Basin Groundwater Sustainability Agency Board of Directors agenda for the January 11, 2023, Board of Directors meeting is provided as Attachment 1.



CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

BOARD OF DIRECTORS MEETING

Board of Directors

Derek Yurosek Chair, Cuyama Basin Water District
Vacant – Vice Chair, Cuyama Community Services District
Cory Bantilan Secretary, Santa Barbara County Water Agency
Matt Vickery Treasurer, Cuyama Basin Water District
Byron Albano Cuyama Basin Water District
Vacant – County of San Luis Obispo

Zack Scrivner County of Kern
Arne Anselm County of Ventura
Rick Burnes Cuyama Basin Water District
Das Williams Santa Barbara County Water Agency
Jane Wooster Cuyama Basin Water District

AGENDA

January 11, 2023

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, January 11, 2023, at 2:00 PM at the **Cuyama Valley Resource Center 4689 CA-166 b, New Cuyama, CA 93254**. Participate via computer at: <https://rb.gy/tlk0iq> or by going to Microsoft Teams, downloading the free application, then entering Meeting ID: 284 139 712 306 Passcode: 8T2bzn, or enter or telephonically at (469) 480-3918 Phone Conference ID: 388 328 377#.

Teleconference Locations:

| | | |
|-------------------------------------|---|---|
| 4689 CA-166 New Cuyama, CA 93254 | 441 Vineland Road Bakersfield CA 93307 | 800 S. Victoria Ave., Room 262 Ventura, CA 93009 |
|-------------------------------------|---|---|

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. Introduction of New Director(s)
5. Election of Officers
6. 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.

7. Approval of Minutes

- a) Special Board – November 15, 2022
- b) Special Board – December 12, 2022
- 8. Approval of Payment of Bills for November 2022
- 9. Approval of Financial Report for November 2022

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.

- 10. Discussion and Appropriate Action on CMA Allocation and 2nd Variance Process Timeline
- 11. Discussion and Appropriate Action on Administration of Pumping Reductions in the Central Management Area
- 12. Discussion and Appropriate Action on Adaptive Management Analysis
- 13. Discussion and Appropriate Action on Strategy for Managing Pumping throughout the Basin
- 14. Discussion and Appropriate Action on Strategy for Continuing Evaluation of Basin Faults
- 15. Authorization for a Change Order for the Hallmark Group

REPORT ITEMS

- 16. Administrative Updates
 - a) Report of the Executive Director
 - b) Report of the General Counsel
 - c) Report on the Fiscal Year 2021-2022 Audit
 - d) Update on Fiscal Year 2023-2024 Budget and Groundwater Extraction Fee Development
- 17. Technical Updates
 - a) Update on Groundwater Sustainability Plan Activities
 - b) Update on Annual Report Development
 - c) Update on Monitoring Network Implementation
 - d) Update on October 2022 Groundwater Conditions Report
- 18. Report of the Ad Hoc Committee
- 19. Directors' Forum
- 20. Public comment for Items Not on the Agenda
- 21. Correspondence
- 22. Adjourn