CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

BOARD OF DIRECTORS

Board of Directors

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

AGENDA

MARCH 3, 2021

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, March 3, 2021 at 4:00 PM. ***Due to COVID-19 pandemic restrictions and resulting suspension of certain components of the Brown Act per Executive Order Nos. N-25-20 and N-29-20, this meeting will be a remote-only meeting***. To hear the session live call (646) 749-3122, 203-153-453 or logon to https://global.gotomeeting.com/join/203153453 to view meeting materials.

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. Public comments should be emailed to Taylor Blakslee at tblakslee@hgcpm.com by close of business on Tuesday, March 2, 2021 to assist in facilitating this remote meeting, but may still be provided at the meeting.

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Annual Appointment of SAC Members
5. Report on SAC Role Ad hoc – *Verbal*
6. Standing Advisory Committee Meeting Report

CONSENT AGENDA

7. Approval of Minutes – January 13, 2021
8. Approval of Payment of Bills for December 2020 and January 2021
9. Approval of Financial Reports for December 2020 and January 2021

ACTION ITEMS

10. Consider Options for Long-Term Fee Equity – *Verbal*
11. Approval of the 2021 Annual Report

12. Adopt Model Refinement Technical Memo
13. Consider Applying for a USBR WaterSMART Grant

REPORT ITEMS

14. Administrative Updates
    a) Report of the Executive Director
    b) Report of the General Counsel
    c) Update on Administration of FY 21-22 Groundwater Extraction Fee
    d) Update on FY 21-22 Budget
15. Technical Updates
    a) Update on Groundwater Sustainability Plan Activities
    b) Options for CBGSA Administration of New Development and Changes in Water Use – *Verbal*
    c) Presentation on Cannabis Development in the Cuyama Basin (Amy Steinfeld, Cannabis Industry Representative) – *Verbal*
    d) Update on Monitoring Network Implementation
    e) Update on Monthly Groundwater Conditions Report
    f) Update on Modifications to the Groundwater Level Monitoring Network

CLOSED SESSION

16. Closed Session, Government Code, §54956.9(d)(4):
    a) Potential Litigation: 1 Case

17. Report of the Ad Hoc Committee
18. Directors' Forum
19. Public comment for items not on the Agenda
20. Correspondence
21. Adjourn

TO: Board of Directors
Agenda Item No. 4

FROM: Taylor Blakslee, Hallmark Group

DATE: March 3, 2021

SUBJECT: Annual Appointment of SAC Members

Issue
Annual Appointment of SAC Members for 2021.

Recommended Motion
Appoint _____ to the CBGSA Standing Advisory Committee for a 3-year term.

Discussion
On May 2, 2018, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board of Directors adopted Guidelines for Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee which outlined a number of SAC participation items including the establishment of staggered, 3-year terms for Committee members. In 2020, SAC members were randomly chosen to begin serving 1-, 2- and 3-year terms and the first year-term Committee members are up for reappointment.

Cuyama Basin Groundwater Sustainability Agency
Board of Directors Meeting

January 13, 2021

Draft Meeting Minutes

PRESENT:
Yurosek, Derek – Chair
Compton, Lynn – Vice Chair
Bantilan, Cory – Secretary
Cappello, George – Treasurer
Albano, Byron
Bracken, Tom
Chounet, Paul
Christensen, Alan – *Alternate for Zack Scrivner*
Shephard, Glenn
Williams, Das
Wooster, Jane
Beck, Jim – Executive Director
Hughes, Joe – Legal Counsel

ABSENT:
None

1. **Call to Order**
   Cuyama Basin Groundwater Sustainability Agency (CBGSA) Chair Derek Yurosek called the meeting to order at 4:00 p.m. Taylor Blakslee provided direction on the meeting protocols to facilitate a remote-only meeting.

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

3. **Pledge of Allegiance**
   The pledge of allegiance was led by Chair Yurosek.

4. **Election of Officers**
   Chair Yurosek facilitated a discussion with the Board to determine the annual election of officers.

   MOTION
   Director Wooster made a motion to retain the current slate of officers as follows: (1) Chair – Director Yurosek, (2) Vice Chair – Director Compton, (3) Secretary – Director Bantilan, (4) Treasurer – Director Cappello. The motion was seconded by Director Chounet, a roll call vote was made and passed with 100%

AYES:	Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	None

5. Standing Advisory Committee Meeting Report

SAC Chair Brenton Kelly provided a report on the January 7, 2021 SAC meeting and is included below.

Standing Advisory Committee Report Meeting Date: January 7, 2021
Submitted to the GSA Board on January 13, 2021
By Brenton Kelly, SAC Chair

The Standing Advisory Committee met virtually with 5 out of 6 committee members and a robust number of public attendees (23 total participants). As usual, a healthy discussion was had on a number of items and I encourage anyone who wasn't there to read Taylor Blakslee's detailed notes when available. I'll summarize here:

The SAC passed three recommendations with unanimous approval after some lengthy and engaging discussions.

Item #4, Update on SAC membership

It was generally recognized that to shift the start time of the SAC meeting to 5 p.m. (from 4 PM) would better accommodate participants' work schedules. The GSA staff assured the SAC that this could be achieved without any budget impact or staff hardship. It was noted that Committee member Furstenfeld would be able to maintain membership with this consideration.

MOTION :

SAC recommends starting SAC Meetings at 5:00 pm

6.a. Consider Modifications to the Groundwater Level Monitoring Network

Much concern was raised about the reduction of the Monitoring Network at this time. There were questions about the reasoning for eliminating specific wells. The definition of 'duplicative results' was questioned because of being unable to even know the well depths. The SAC felt that the reduction from 101 to 58 Monitoring Wells was understandable based on defining 'duplicative results'. Further reductions are not recommended at this time. To support transparency and understanding, more details regarding the criteria and rationale for any further Monitoring Network reductions was requested.

MOTION

Committee Member DeBranch made a motion to modify the groundwater level monitoring network to 58 wells based on duplicative results. The motion was seconded by Committee Member Haslett, a roll call vote was made, and the motion passed unanimously.
6.b. Adopt Process for Accepting Groundwater Level Transducer Data from Landowners

It was generally accepted that it is a good thing to have landowners offering to provide their well transducer data to the GSA at no cost. The GSA will need to maintain data integrity and develop an acceptable QA/QC that gives us comfort that the data they are providing is accurate and calibrated.

MOTION:

Committee Member Jaffe made a motion to accept private transducer level data with appropriate quality controls. The motion was seconded by Committee Member DeBranch, a roll call vote was made, and the motion passed unanimously.

The remainder of the agenda was informational, and no further motions were made. The greater part of the discussion was had under Item:

Item # 7.b. Coordination between the GSA and Counties

This item represents a discussion that is currently happening among several stakeholders regarding the need for a coordinated response from the GSA and the Counties regarding permits to plant cannabis in the Cuyama Basin. Applications include industrial scale irrigation operations, some on unirrigated lands, with a crop that has an unknown crop factor for water consumption. SAC members asked how the GSA and counties will approach new cannabis plantings in Cuyama.

It was proposed that this is an opportunity for the GSA, the community, the counties and the cannabis growers to work together to develop guidelines that will support the GSP reaching sustainability goals by 2040.

The variety of issues and possibilities that have come from this ongoing open dialog include:

- *Communicate that the basin is in critical overdraft and must cut pumping by up to 65%*
- *Wells will require meters (data will be used to develop a crop use factor) and these wells should also be part of the Monitoring Network*
- *Develop an acre/foot offset plan so that these new plantings can help maintain the pumping reduction glide slope to sustainability*
- *Only allow cannabis on currently irrigated areas with significant disincentives*
- *Investigate the potential of a water market*

The SAC wishes to thank Amy Seinfeld and other members of the cannabis industry for their outreach and collaborative approach to addressing these difficult issues. The SAC recognizes that cannabis regulations awkwardly overlap land use and water use jurisdictions and for this reason the SAC requests the GSA to take up coordinating efforts with the counties in order to support SGMA and our GSP.

The last items of discussion were two correspondences:

Item # 11.a. Resignation Letter from Committee Member Furstenfeld
A correction was made that this was not a formal resignation letter from Standing Advisory Committee member Furstenfeld, and a remedy has been recommended.

Item # 11.b. GSP Comment Letter from the Central Coast Water Quality Control Board
Anita Regmi from the California Department of Resources made a clarification to Jim Beck's characterization of the above letter. The letter is in fact from the State Water Board Groundwater Management Program, the enforcing body of SGMA. The comments from the State Water Board were requested by DWR to provide the State Water Board's additional expertise and regulatory experience with regard to GSPs. Anita wished to convey that they should be considered seriously, and as more than just another repeated public comment.

Respectfully submitted,
Brenton Kelly
Standing Advisory Committee Chair

Executive Director Jim Beck let the Board know staff followed up with Committee member Furstenfeld and he is willing to serve if the SAC meeting is moved to 5 p.m. The Board expressed that they have no issues with moving the SAC meeting time to 5 p.m. and directed staff to make this change.

Mr. Beck let the Board know that cannabis industry representative Amy Steinfeld provided a letter on behalf of the cannabis industry and has met with staff and are engaging with community in an effort to be responsible stewards in the basin. Mr. Beck recommended setting an ad hoc to discuss changes in water use in the basin as it relates to changes in land use. Chair Yurosek directed staff to agendize an item on land use and cannabis for discussion at the March 3, 2021 Board meeting and then create an ad hoc if necessary.

Director Albano commented that he believes this falls into the category of new production and relates to establishing long-term fee equity in the basin and requested this be added to the agenda for March 3, 2021.

Regarding the State Water Resources Control Board letter, Mr. Beck said staff we will consider their comments when the California Department of Water Resources provides their review.

CONSENT AGENDA

Chair Yurosek and staff discussed the revised agenda structure and the introduction of the consent agenda to improve the efficiency of Board meetings. Chair Yurosek asked if any Directors wanted to discuss one of the consent agenda items in more detail and Director Albano asked the minutes to be moved out.

MOTION
Director Chounet made a motion to approve the consent agenda (7. Payment of Bills, 8. Approval of Financial Report for November and December 2020) without the minutes. The motion was seconded by Director Shephard, a roll call vote was made and passed with 100%

AYES:	Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	None

6. Approval of Minutes – November 4, 2020

Director Albano noted that he requested the long-term fee equity to be added to the current agenda in November and asked it to be added to the next month's agenda. Staff confirmed that this would be done.

MOTION

Director Albano made a motion to approve the November 4, 2020 Board minutes. The motion was seconded by Director Compton, a roll call vote was made and passed with 100%.

AYES:	Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	None

ACTION ITEMS

9. Consider Modifications to the Groundwater Level Monitoring Network

Woodard & Curran Project Manager Brian Van Lienden presented options to reduce the groundwater level monitoring network from 101 wells to 58, or 25 wells and is summarized in the Board packet.

Director Williams suggested adjusting monitoring frequency to quarterly and commented that monthly testing is likely too rigorous.

Director Cappello commented that removing duplicative wells is appropriate and it is unnecessary to monitor wells that are too close together. He said he initially voted with the monthly monitoring to keep the process moving forward but believes this is too much. He said he supports reducing the wells down to 58 and moving to quarterly monitoring and Director Albano, Bracken, and Wooster agreed with this.

Director Wooster requested the well depth be added to the monthly report.

Director Williams suggested moving to quarterly monitoring, move to 58 wells and budget up to 15 additional wells if we feel like we took to many out. Director Chounet agree with this approach.

Cuyama Valley Family Resource Center Executive Director Lynn Carlisle asked what wells are being monitored in the groundwater conditions report and Mr. Van Lienden said the report measures just the 60 representative wells.

Justine Massey with the Community Water Center said it is important to consider how close the wells are to other wells that are said to be duplicative. She asked if the duplicative wells show similar levels and quality through time.

MOTION

Director Cappello made a motion to adjust the groundwater levels monitoring network to 58 wells and move to quarterly monitoring as soon as possible. The motion was seconded by Director Wooster, a roll call vote was made and passed with 100%.

AYES:	Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	None

10. Adopt Process for Accepting Groundwater Level Transducer Data from Landowners

Mr. Blakslee provided an overview of issue of accepting landowner-provided transducer data in lieu of a contractor manually measuring levels. Mr. Beck thanked the landowners for their willingness to provide their data and said the CBGSA needs to decide procedurally on how to handle this type of data.

SAC Chair Kelly noted that the SAC voted to accept the transducer data with the appropriate quality control.

MOTION

Director Wooster made a motion to accept the transducer data with an initial in-field verification. The motion was seconded by Director Williams, a roll call vote was made and passed with 100%

AYES:	Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	None

11. Approval of Scope to Implement Metering Requirement

Mr. Blakslee provided an overview of out-of-scope costs necessary for staff to begin administration of the Board's direction to require meters on all production wells by December 31, 2021.

Director Albano asked what is going to happen when he cannot afford additional costs. He said he is running five shallow wells and is not sure if will be able to fund the meters and asked what the penalty is for not installing meters. He said he is farming in a shallow, sustainable area and we need to have a discussion on non-compliance. Chair Yurosek said non-compliance will be discussed with legal counsel and presented to the March 3, 2021 Board meeting.

Director Chounet left the meeting at 5:30 p.m.

MOTION

Director Bracken made a motion to approve out-of-scope costs to implement metering requirement for work through June 30, 2021 for a cost not to exceed of $31,116. The motion was seconded by Director Cappello, a roll call vote was made and passed with 82%

AYES:	Directors Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	Director Albano
ABSTAIN:	None

ABSENT: Director Chounet

Director Albano left the meeting at 5:45 p.m.

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12. Adopt a Resolution Designating the CBGSA Board Chairperson as the Authorized Representative to File an Application and Execute an Agreement with the California Department of Water Resources for the Prop 68 "Implementation" Grant Solicitation

Mr. Blakslee let the Board know that the Prop 68 grant application requires a Board resolution and requested approval of the resolution authorizing a designated Director to submit and execute a grant with DWR.

MOTION

Director Shephard made a motion to adopt Resolution 2021-01 Designating the CBGSA Board Chairperson as the Authorized Representative to File an Application and Execute an Agreement with the California Department of Water Resources for the Prop 68 "Implementation" Grant Solicitation. The motion was seconded by Director Bantilan, a roll call vote was made and passed with 82%

AYES:	Directors Bracken, Cappello, Chounet, Compton, Christensen, Shephard, Williams, Wooster, and Yurosek
NOES:	None
ABSTAIN:	None
ABSENT:	Directors Albano, Chounet

REPORT ITEMS

13. Administrative Updates

a. Report of the Executive Director

Mr. Beck provided an update on the near-term schedule and let the Board know that Form 700s are due by April 1st and staff will be coordinating this shortly.

Director Williams requested that we convene the Management Area delegation before the next Board meeting to review delegation of measures issues.

b. Report of the General Counsel

Nothing to report.

c. Update on Administration of FY 20-21 Groundwater Extraction Fee

Mr. Blakslee provided a brief update on the administration of the Fiscal Year 2020-2021 extraction fee and noted that efforts to identify potential non-reporting water users have resulted in three additional reporters/payees.

14. Technical Updates

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

b. Update on Model Refinement Plan
Mr. Van Lienden provided an update on the model refinement plan which is summarized in the Board packet. He let the Board know that the technical memo will be presented at the March 3, 2021 Board meeting.

c. Update on Monitoring Network Implementation
Mr. Van Lienden provided an update on monitoring network implementation activities including the following:

DWR TSS Wells
Mr. Van Lienden reported that progress is being made on the three California Department of California Water Resources (DWR) Technical Support Services (TSS) dedicated monitoring wells to be drilled in the basin. He let the Board know that the third location was moved south of the Santa Barbara Canyon Fault due to a landowner permission issue with the previous Foothill Rd. and Hwy 33 location.

Transducer Installation (10 Wells)
Mr. Van Lienden updated the Board that the transducer installation in ten wells is making progress and staff is performing field validation to determine suitability of proposed wells. He also let the Board know the transducers they purchased will have the capability of measuring electroconductivity.

Stream Gauge Installation
Mr. Van Lienden provided an update on the stream gauge installation process and noted that efforts to register with the federal government as required by the USGS is in the final stages.

d. Update on Monthly Groundwater Conditions Report
Mr. Van Lienden provided an update on the groundwater level monitoring network and levels for November and December 2020 which are included in the Board packet.

e. Update on Prop 68 Implementation Grant Application
Mr. Van Lienden provided an overview of the final Prop 68 implementation grant application that was submitted on January 8, 2021 and is provided in the Board packet.

f. Presentation on Indirect Economic Report
ERA Economics Duncan MacEwan provided a presentation on the indirect economic impact analysis.

Chair Yurosek asked that land devaluation on a per acre basis be reported and Mr. MacEwan said that this will be included in the final report that will be distributed in a few weeks.

15. **Closed Session**
    The Board entered closed session at 6:57 p.m. The Board ended closed session and resumed the regular session at 7:28 p.m. No reportable action was taken.

16. **Report of the Ad Hoc Committee**
    Nothing to report.

17. **Directors' Forum**
    Nothing to report.

18. **Public comment for items not on the Agenda**
    Nothing to report.

19. **Correspondence**

    a. **Resignation Letter from Committee Member Furstenfeld**
    Committee Member Furstenfeld submitted a letter letting the SAC know he would need to resign given attendance conflict. However, since the Board agreed to change the meeting time to 5 p.m. Committee Member Furstenfeld would likely be able to remain on the SAC and staff will reach out to him to confirm this.

    b. **GSP Comment Letter from the State Water Resources Control Board (SWRCB)**
    Mr. Blakslee announced that the SWRCB submitted a comment letter on the CBGSA GSP comment portal that shared similar comments that the Central Coast Water Quality Control Board submitted during the official comment period. The letter did not require feedback from the CBGSA but informed the CBGSA on several points it may be consulting with DWR during the DWR review period of the CBGSA Groundwater Sustainability Plan.

20. **Adjourn**
    Chair Yurosek adjourned the meeting at 7:31 p.m.

Minutes approved by the Board of Directors of the Cuyama Basin Groundwater Sustainability Agency the 3rd day of March 2021.

BOARD OF DIRECTORS OF THE
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair: _____

ATTEST:

Secretary: _____

TO: Board of Directors
Agenda Item No. 8

FROM: Taylor Blakslee, Hallmark Group

DATE: March 3, 2021

SUBJECT: Approval of Payment of Bills for December 2020 and January 2021

Issue
Consider approving the payment of bills for December 2020 and January 2021.

Recommended Motion
Approve payment of the bills for December 2020 and January 2021 in the amount of $236,501.90.

Discussion
Consultant invoices for the months of December 2020 and January 2021 are provided as Attachment 1.

California Association of Mutual Water Companies
1370 N. Brea Blvd., Suite 134
Fullerton, CA 92835

INVOICE

BILL TO	Date	Invoice No
Cuyama Basin Groundwater Sustainability Agency 1901 Royal Oaks Drive, Ste. 200 Sacramento, CA 95815	Jan 25, 2021	01538

		Due Date
Description	**Rate**	**Total**
CalMutuals 2021 Membership Dues AFFILIATE MEMBERS: Non-Portable Districts		$100
Please make checks payable to California Association of Mutual Water Companies and send payments to the address at the top of the invoice. Payments accepted online by credit card at https://caomwc.wildapricot.org/. For billing inquiries, please call (714) 449-8403. Thank you!	**Total**	$100
	Payments	
	Balance Due	$100

CalMutuals
Voice of Small Water Systems

MEMBER CONTACT INFORMATION

Please review and update contact information associated with your CalMutuals membership.
To update online: Log in to https://caomwc.wildapricot.org/ To update by mail: Review and revise this form and return with your membership dues. Many thanks!

Company	Cuyama Basin Groundwater Sustainability Agency	
Website		
Mailing Address	1901 Royal Oaks Drive, Ste. 200 Sacramento, CA 95815	
Physical Address (if different)		
County	Sacramento	
Manager Contact		☐ Manager is Primary Contact
Manager-First	Jim	
Manager-Last	Beck	
Title	General Manager	
Manager Email	jbeck@hgcpm.com	
Manager Telephone	916-623-1500	
Manager Cell		
Board Contact		☐ Board is Primary Contact
Board First		
Board Last		
Board Title		
Board Email		
Board Telephone		
Staff Contact		☐ Staff is Primary Contact
Staff-First	Melissa	
Staff-Last	Ballard	
Staff-Title	The Hallmark Group	
Staff EMail		
Staff Telephone		
Annual Revenue	$ N/A	
Company Type	☐ Drinking Water ☐ Irrigation ☐ Other	
# of Connections or # Acres Served		
Please identify the three most critical issues/concerns facing your Company in 2021:		

HALLMARK GROUP Capital Program Management

INVOICE

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

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

Invoice No.: 2020-CBGSA-12
Task Order No.: CB-HG-006
Agreement No.: 201709-CB-001
Date: December 31, 2020

For professional services rendered for the month of December 2020:

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-006	1	Board of Directors and Advisory Committee Meetings	Executive Director	1.25	$ 300.00	$ 375.00
			Project Coordinator	17.00	$ 150.00	$ 2,550.00
			Project Administrator	2.50	$ 125.00	$ 312.50
					Total Sub Task 1 Labor	**$ 3,237.50**
CB-HG-006	2	Consultant Management and GSP Implementation	Executive Director	3.00	$ 300.00	$ 900.00
			Project Coordinator	32.25	$ 150.00	$ 4,837.50
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 2 Labor	**$ 5,737.50**
CB-HG-006	3	Financial Information Coordination	Executive Director	0.50	$ 300.00	$ 150.00
			Project Controls	9.75	$ 200.00	$ 1,950.00
			Project Coordinator	3.25	$ 150.00	$ 487.50
			Project Administrator	3.50	$ 125.00	$ 437.50
					Total Sub Task 3 Labor	**$ 3,025.00**
CB-HG-006	4	CBGSA Outreach	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	2.25	$ 150.00	$ 337.50
			Project Administrator	0.75	$ 125.00	$ 93.75
					Total Sub Task 4 Labor	**$ 431.25**
CB-HG-006	5	Funding Process Administration	Executive Director	0.00	$ 300.00	$ -
			Project Controls	0.00	$ 200.00	$ -
			Project Coordinator	7.50	$ 150.00	$ 1,125.00
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 5 Labor	**$ 1,125.00**
CB-HG-006	6	Management Area Administration	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	0.00	$ 150.00	$ -
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 6 Labor	**$ -**
CB-HG-006	7	Support for CBGSA Response to DWR and Public Comments	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	0.00	$ 150.00	$ -
					Total Sub Task 7 Labor	**$ -**
					Total Labor	**$ 13,556.25**
		Provost & Pritchard (Monitoring Network Setup and Data Collection) - December 2020				$ 6,402.13
		Provost & Pritchard (Groundwater Quality Monitoring) - December 2020				$ 6,156.80
		Quickbooks Annual Fee Nov 2020 - Oct 2021				$ 187.01
		GoToMeeting Conference Calls	Minutes:	825	.05 ¢	$ 41.25
					SubTotal Travel and Other Direct Costs	**$ 12,787.19**
		ODC Mark Up - Provost & Pritchard			3%	$ 376.77
		ODC Mark Up - Other			5%	$ 11.41
					Total Travel and Other Direct Costs	**$ 13,175.37**
					TOTAL AMOUNT DUE THIS INVOICE	**$ 26,731.62**

MAXIMUM CONTRACT VALUE AND PROGRESS BILLING

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-006	$ 153,350.00	$ -	$ 153,350.00	$ 100,656.25	$ 13,556.25	$ 39,137.50
Provost & Pritchard	$ -	$ 230,000.00	$ 230,000.00	$ 67,715.96	$ 12,558.93	$ 149,725.11
Travel and ODC	$ 2,335.00	$ 6,900.00	$ 9,235.00	$ 4,046.08	$ 616.44	$ 4,572.48
Total	$ 155,685.00	$ 236,900.00	$ 392,585.00	$ 172,418.29	$ 26,731.62	$ 193,435.09

HALLMARK GROUP Capital Program Management

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

PROGRESS REPORT FOR TASK ORDER CB-HG-006

Client Name:	Cuyama Basin Groundwater Sustainability Agency	**Agreement Number:**	201709-CB-001
Company Name:	HGCPM, Inc. DBA The Hallmark Group	**Address:**	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
Task Order Number:	CB-HG-006	**Report Period:**	December 1-31, 2020
Progress Report Number:	23	**Project Manager:**	Jim Beck
Invoice Number:	2020-CBGSA-12	**Invoice Date:**	December 31, 2020

SUMMARY OF WORK PERFORMED

Task 1: CBGSA Board of Directors Meetings

- Prepared for January 7th SAC Meeting and January 13th CBGSA Board Meeting.
- Developed memos, presentations and electronic presentation for CBGSA SAC and Board Meetings.
- Drafted SAC Meeting Minutes
- Drafted CBGSA Board Minutes
- Drafted Consent Agenda
- Worked with CBGSA president to prepare meeting agendas and SAC Ad Hoc meeting.
- Discussed late penalties with legal counsel.

Task 2: Consultant Management and GSP Implementation

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) to discuss GSP section progress and outreach.
- Reviewed updated groundwater level information with Provost & Prichard (P&P).
- Prepared for ad hoc to discuss SAC role (Standing Advisory Committee).
- Reviewed Geophysical Study.
- Discussed stream gauge and DUN updated with Ben Glass.
- Discussed TSS location information with Chris Baker.
- APN review with Matthew Klinchuch for WQ network.
- Discussed QA/QC with Woodard & Curran.
- Reviewed SWRCB comments on GSP.
- Discussed monitoring network with T Jeffcoach.
- Discussed Piezometer well and tailings with CalTrans.
- Coordinated with Woodard & Curran on county well data.
- Sent out monthly groundwater levels for November 2020.
- Posted groundwater report and economic report to website.

- Contacted stakeholders regarding transducer brand options.
- Contacted Chris Baker regarding TSS, contacted Sunrise Olive regarding DWR TSS.
- Contacted legal council regarding cannabis organization involvement with the GSA.

Task 3: Financial Information Coordination

- Developed monthly budget report.
- Prepared for, met with, and facilitated bi-weekly grant administration update with Woodard & Curran (W&C).
- Billing, accounting, and administration.
- Reviewed and discussed Prop 68 8a/8b invoices with DWR's Anita Regmi.
- Sent notices to potentially non reporting water users.
- Processed CBGSA insurance application.

Task 4: Cuyama Basin GSA Outreach

- Updated CBGSA public stakeholder contact list.
- Discussed cannabis proposal with Derek.

Task 5: Funding Process (Currently Extraction Fee) – Administration

- Correspondence with landowners regarding Groundwater Extraction Fee and funding via phone and email.

Task 6: Management Area Administration

- N/A

Task 7: Support for CBGSA Response to DWR and Public Comments

- N/A

DELIVERABLES AND COMPLETED TASKS

- Developed agendas, SAC and Board packet, electronic meeting
- Tracked Groundwater Extraction Fee forms.

PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD

- Facilitate bi-weekly CBGSA program management team meetings.
- Facilitate bi-weekly grant administration update meetings.

SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS

- N/A

286 W. Cromwell Avenue
Fresno, CA 93711
(559) 449-2700
Fax (559) 449-2715

CBGSA
Hallmark Group
Attn: Taylor Blakslee
500 Capital Mall, Ste 2350
Sacramento, CA 95814

January 14, 2021
Project: No: 03616-20-001
Invoice No: 82958

Project Name: **Cuyama Basin Groundwater Sustainability Agency Monitoring Network Setup and Data Collection**
Client Project #:

Data gathering and processing. Correspondence w/ client and other project management. Groundwater level measurements.

Professional Services from December 1, 2020 to December 31, 2020

Phase:	DAT	CBGSA Data Reporting		
Labor				**1,170.00**
			Total this Phase:	**$1,170.00**
Phase:	IM	CBGSA Field Validation		
Labor				**253.00**
			Total this Phase:	**$253.00**
Phase:	MON	CBGSA Monthly Monitoring		
Labor				**4,912.00**
Consultants				**67.13**
			Total this Phase:	**$4,979.13**
			Total this Invoice	**$6,402.13**

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

286 W. Cromwell Avenue
Fresno, CA 93711
(559) 449-2700
Fax (559) 449-2715

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CBGSA
Hallmark Group
Attn: Taylor Blakslee
500 Capital Mall, Ste 2350
Sacramento, CA 95814

January 14, 2021
Project: No: 03616-20-002
Invoice No: 82959

Project Name: **CBGSA - Groundwater Quality Monitoring**

Client Project #:

Project setup. Kickoff meetings. Calls w/ client. Template development. Calls w/ well owners.

Professional Services from December 1, 2020 to December 31, 2020

Phase: T1 CBGSA Landowner Agreements

Labor

	Hours	Rate	Amount	
Associate Engineer	.30	136.00	40.80	
Totals	.30		40.80	
Total Labor				**40.80**
		Total this Phase:		**$40.80**

Phase: T2 CBGSA Water Quality Measurements

Labor

	Hours	Rate	Amount	
Associate Engineer	6.60	136.00	897.60	
Assistant Engineer	5.80	100.00	580.00	
Assistant Engineer	30.50	106.00	3,233.00	
Associate Envir. Spec	.50	122.00	61.00	
Associate Geologist/Hydrog	.30	130.00	39.00	
Assistant Envir. Spec.	2.80	115.00	322.00	
Senior Geologist/Hydrogeologist	.30	175.00	52.50	
Totals	46.80		5,185.10	
Total Labor				**5,185.10**
		Total this Phase:		**$5,185.10**

Phase: T3 CBGSA Data Management and Reporting

Labor

	Hours	Rate	Amount	
Associate Engineer	4.90	136.00	666.40	
Assistant Envir. Spec.	2.30	115.00	264.50	
Totals	7.20		930.90	
Total Labor				**930.90**
		Total this Phase:		**$930.90**
		Total this Invoice		**$6,156.80**

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

PAYMENT NUMBER
P1-60626760

TOTAL AMOUNT PAID
$1,622.46

Billed to
JACQUELINE HARRIS
500 Capitol Mall
STE 2350
Sacramento , CA 95814

Customer Account Number
817-253-235

Payment Date
11/16/2020

Paid By
Visa ending in 7621

	QB Transactions Last 12 Months	Total 5,830	Cost $1,622.46
HG	4,216	72%	$1,173.30
HMG	942	16%	$262.15
CBGSA	672	12%	$187.01

Charges

DATE	DESCRIPTION	AMOUNT
11/16/2020	**QuickBooks Desktop Enterprise Subscription** Billed Annually	**$1,412.58**
11/16/2020	Price	$3,157.64
11/16/2020	Sales Tax	$0.00
11/16/2020	Item Charge	**$1,412.58**
11/16/2020	Credit Applied	**$1,745.06**
11/16/2020	**QuickBooks Desktop Enterprise Subscription** Billed Annually	**$209.88**
11/16/2020	Price	$209.88
11/16/2020	Sales Tax	$0.00
11/16/2020	Item Charge	**$209.88**
	Total Charges	**$1,622.46**

Payment

DATE	DESCRIPTION	AMOUNT
11/16/2020	**Automatic payment using Visa ending in 7621** Payment reference # P1-60626760	**$1,622.46**
	Total Amount Paid	**$1,622.46**

HALLMARK GROUP Capital Program Management

INVOICE

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

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

Invoice No.: 2021-CBGSA-01
Task Order No.: CB-HG-006
Agreement No.: 201709-CB-001
Date: January 31, 2021

For professional services rendered for the month of January 2021:

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-006	1	Board of Directors and Advisory Committee Meetings	Executive Director	12.50	$ 300.00	$ 3,750.00
			Project Coordinator	23.00	$ 150.00	$ 3,450.00
			Project Administrator	9.25	$ 125.00	$ 1,156.25
					Total Sub Task 1 Labor	**$ 8,356.25**
CB-HG-006	2	Consultant Management and GSP Implementation	Executive Director	4.25	$ 300.00	$ 1,275.00
			Project Coordinator	28.50	$ 150.00	$ 4,275.00
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 2 Labor	**$ 5,550.00**
CB-HG-006	3	Financial Information Coordination	Executive Director	0.25	$ 300.00	$ 75.00
			Project Controls	11.25	$ 200.00	$ 2,250.00
			Project Coordinator	5.25	$ 150.00	$ 787.50
			Project Administrator	0.75	$ 125.00	$ 93.75
					Total Sub Task 3 Labor	**$ 3,206.25**
CB-HG-006	4	CBGSA Outreach	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	1.00	$ 150.00	$ 150.00
			Project Administrator	2.00	$ 125.00	$ 250.00
					Total Sub Task 4 Labor	**$ 400.00**
CB-HG-006	5	Funding Process Administration	Executive Director	0.00	$ 300.00	$ -
			Project Controls	2.25	$ 200.00	$ 450.00
			Project Coordinator	2.50	$ 150.00	$ 375.00
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 5 Labor	**$ 825.00**
CB-HG-006	6	Management Area Administration	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	0.00	$ 150.00	$ -
			Project Administrator	0.00	$ 125.00	$ -
					Total Sub Task 6 Labor	**$ -**
CB-HG-006	7	Support for CBGSA Response to DWR and Public Comments	Executive Director	0.00	$ 300.00	$ -
			Project Coordinator	0.00	$ 150.00	$ -
					Total Sub Task 7 Labor	**$ -**
					Total Labor	**$ 18,337.50**
			Provost & Pritchard (Monitoring Network Setup and Data Collection) - Jan 2021			$ 9,690.65
			Provost & Pritchard (Groundwater Quality Monitoring) - Jan 2021			$ 9,990.11
			GoToMeeting Conference Calls	Minutes: 920	.05 ¢	$ 46.00
					SubTotal Travel and Other Direct Costs	**$ 19,726.76**
			ODC Mark Up - Provost & Pritchard		3%	$ 590.42
			ODC Mark Up - Other		5%	$ 2.30
					Total Travel and Other Direct Costs	**$ 20,319.48**
					TOTAL AMOUNT DUE THIS INVOICE	**$ 38,656.98**

MAXIMUM CONTRACT VALUE AND PROGRESS BILLING

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-006	$ 153,350.00	$ -	$ 153,350.00	$ 114,212.50	$ 18,337.50	$ 20,800.00
Provost & Pritchard	$ -	$ 230,000.00	$ 230,000.00	$ 80,274.89	$ 19,680.76	$ 130,044.35
Travel and ODC	$ 2,335.00	$ 6,900.00	$ 9,235.00	$ 4,662.52	$ 638.72	$ 3,933.76
Total	$ 155,685.00	$ 236,900.00	$ 392,585.00	$ 199,149.91	$ 38,656.98	$ 154,778.11

HALLMARK GROUP Capital Program Management

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

PROGRESS REPORT FOR TASK ORDER CB-HG-006

Client Name:	Cuyama Basin Groundwater Sustainability Agency	**Agreement Number:**	201709-CB-001
Company Name:	HGCPM, Inc. DBA The Hallmark Group	**Address:**	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
Task Order Number:	CB-HG-006	**Report Period:**	January 1-31, 2021
Progress Report Number:	24	**Project Manager:**	Jim Beck
Invoice Number:	2021-CBGSA-01	**Invoice Date:**	January 31, 2021

SUMMARY OF WORK PERFORMED

Task 1: CBGSA Board of Directors Meetings

- Developed memos, presentations, and electronic presentation for CBGSA SAC and Board Meetings.
- Prepared for and facilitated January 7th SAC Meeting and January 13th Board Meeting.
- Drafted CBGSA Board and SAC Meeting Minutes.
- Restructured agenda with consent calendar.
- Develop materials for the MA Delegation Ad Hoc and SAC Role Ad Hoc.
- Developed cost proposal for implementing metering requirement.
- Updated groundwater conditions report with stakeholder feedback.
- Sent SAC application to various stakeholders.

Task 2: Consultant Management and GSP Implementation

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) to discuss GSP section progress and outreach.
- Reviewed updated groundwater level information with Provost & Prichard (P&P).
- Prepared for and facilitated SAC ad hoc role.
- Prepared for and met with cannabis industry representative Amy Steinfeld legal advisor.
- Completed federal registration for the stream gauge installation process and touched base with USGS's Ben Glass.
- Coordinated with DWR's Chris Baker and stakeholder Jim Wegis on well completions and well location.
- Coordinate grant application with the Prop 68 ad hoc.
- Reviewed access agreement changes requested by stakeholder with legal counsel.
- Coordinated with Provost & Pritchard Project Manager Timothy J. on monitoring network setup, well info sheets, access agreement changes and well survey process.
- Coordinated with DWR's Ben Gooding on CASGEM reporting.
- Coordinated with landowners on monitoring network access issues.

Task 3: Financial Information Coordination

- Developed monthly budget report.
- Prepared for, met with, and facilitated bi-weekly grant administration update with Woodard & Curran (W&C).
- Billing, accounting, and administration.
- Reviewed grant and well changes with DWR's Anita Regmi.
- Contacted CBGSA members regarding Prop 68 support letters.

Task 4: Cuyama Basin GSA Outreach

- Touched base with outreach consultant Charles Gardiner on Catalyst efforts and outreach planning.

Task 5: Funding Process (Currently Extraction Fee) – Administration

- Correspondence with landowners regarding Groundwater Extraction Fee and funding via phone and email.
- Discussed late fee penalties with legal counsel.
- Updated and logged de minimis user report form.

Task 6: Management Area Administration

- N/A

Task 7: Support for CBGSA Response to DWR and Public Comments

- N/A

DELIVERABLES AND COMPLETED TASKS

- Developed agendas, SAC and Board packet, and electronic meetings.
- Tracked Groundwater Extraction Fee forms.

PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD

- Facilitate bi-weekly CBGSA program management team meetings.
- Facilitate bi-weekly grant administration update meetings.

SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS

- N/A

286 W. Cromwell Avenue
Fresno, CA 93711
(559) 449-2700
Fax (559) 449-2715

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

CBGSA
Hallmark Group
Attn: Taylor Blakslee
500 Capital Mall, Ste 2350
Sacramento, CA 95814

February 17, 2021
Project: No: 03616-20-001
Invoice No: 83489

Project Name: Cuyama Basin Groundwater Sustainability Agency Monitoring Network Setup and Data Collection
Client Project #:

Data gathering and processing. Correspondence w/ client and other project management. Groundwater level measurements.

Professional Services from January 1, 2021 to January 31, 2021

Phase:	CO	CBGSA Coordination		
Labor				**250.00**
			Total this Phase:	**$250.00**
Phase:	DAT	CBGSA Data Reporting		
Labor				**600.00**
			Total this Phase:	**$600.00**
Phase:	IM	CBGSA Field Validation		
Labor				**132.00**
			Total this Phase:	**$132.00**
Phase:	MON	CBGSA Monthly Monitoring		
Labor				**6,769.20**
Reimbursable Expenses				**1,779.45**
			Total this Phase:	**$8,548.65**
Phase:	SUR	CBGSA Survey		
Labor				**160.00**
			Total this Phase:	**$160.00**
			Total this Invoice	**$9,690.65**

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

286 W. Cromwell Avenue
Fresno, CA 93711
(559) 449-2700
Fax (559) 449-2715

CBGSA
Hallmark Group
Attn: Taylor Blakslee
500 Capital Mall, Ste 2350
Sacramento, CA 95814

February 17, 2021
Project: No: 03616-20-002
Invoice No: 83490

Project Name: **CBGSA - Groundwater Quality Monitoring**

Client Project #:

Project setup. Kickoff meetings. Calls w/ client. Template development. Calls w/ well owners.

Professional Services from January 1, 2021 to January 31, 2021

Phase: T1 CBGSA Landowner Agreements

Labor

	Hours	Rate	Amount	
Project Administrator	1.50	78.00	117.00	
Assistant Envir. Spec.	2.70	120.00	324.00	
Assistant Geologist/Hydrogeologist	.30	100.00	30.00	
Totals	4.50		471.00	
Total Labor				**471.00**
		Total this Phase:		**$471.00**

Phase: T2 CBGSA Water Quality Measurements

Labor

	Hours	Rate	Amount	
Assistant Engineer	33.50	113.00	3,785.50	
Associate Engineer	7.20	142.00	1,022.40	
Senior GIS Specialist	.20	135.00	27.00	
Assistant Envir. Spec.	1.20	120.00	144.00	
Associate GIS Specialist	4.60	120.00	552.00	
Totals	46.70		5,530.90	
Total Labor				**5,530.90**

Reimbursable Expenses

Environmental Supplies			1,317.11	
Total Reimbursables			**1,317.11**	**1,317.11**
		Total this Phase:		**$6,848.01**

Phase: T3 CBGSA Data Management and Reporting

Labor

	Hours	Rate	Amount	
Assistant Engineer	11.60	100.00	1,160.00	
Senior GIS Specialist	4.10	135.00	553.50	
Associate Envir. Spec	7.60	126.00	957.60	
Totals	23.30		2,671.10	
Total Labor				**2,671.10**
		Total this Phase:		**$2,671.10**

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

Project	03616-20-002	CBGSA - Groundwater Quality Monitoring	Invoice	83490

Total this Invoice **$9,990.11**

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

4550 CALIFORNIA AVENUE, SECOND FLOOR
BAKERSFIELD, CA 93309

MAILING ADDRESS: P.O. BOX 11172
BAKERSFIELD, CA 93389-1172
(661) 395-1000
FAX (661) 326-0418
E-MAIL: accounting@kleinlaw.com

February 2, 2021

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

Invoice No. 1170070
Client No. 22930
Matter No. 001
Billing Attorney: JDH

INVOICE SUMMARY

For Professional Services Rendered for the Period Ending: January 19, 2021.

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

Professional Services	$ 4,030.00
Costs Advanced	$ .00
TOTAL THIS INVOICE	**$ 4,030.00**
Prior Balance	$ 315.00
TOTAL BALANCE DUE	**$ 4,345.00**

Unapplied Cash $ -315.50

Invoice No. 1170070 February 2, 2021

PROFESSIONAL SERVICES

Date	Init	Description	Hours	Amount
11/20/20	AND	E-MAILED J. HUGHES SUMMARY OF DISCUSSION WITH SAN LUIS OBISPO COUNTY COUNSEL REGARDING CLOSED SESSION CONCERNS.	.20	30.00
11/20/20	JDH	E-MAILED J. BECK AND T. BLAKSLEE REGARDING CLOSED SESSION ISSUE.	.20	59.00
12/14/20	AND	REVIEWED CBGSA SAC MEETING MATERIALS.	.20	30.00
12/14/20	AND	ATTENDED CBGSA SAC MEETING.	.30	45.00
12/30/20	AND	RESEARCHED DISCLOSURE OF PERSONAL INFORMATION AND WATER USE PENALTIES; E-MAILED J. HUGHES REGARDING SAME.	1.00	150.00
12/31/20	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING JANUARY 4 CONFERENCE CALL WITH CANNABIS GROWERS.	.30	45.00
1/04/21	AND	REVIEWED CANNABIS POWERPOINT PRESENTATION PROVIDED BY A. STEINFELD OF BROWNSTEIN FARBER HYATT SCHRECK.	.30	45.00
1/04/21	AND	CONFERENCE CALL WITH T. BLAKSLEE, J. BECK, AND A. STEINFELD OF BROWNSTEIN HYATT FARBER SCHRECK REGARDING CANNABIS GROWERS.	.80	120.00
1/04/21	AND	CONFERENCE CALL WITH T. BLAKSLEE, J. BECK REGARDING CONFERENCE CALL WITH A. STEINFELD; E-MAILED J. HUGHES REGARDING SAME.	.50	75.00
1/04/21	AND	REVIEWED AND REVISED RESOLUTION REGARDING PROPOSITION 68; RESEARCHED PROPOSITION 68 GRANT FUNDING; E-MAILED J. HUGHES REGARDING SAME.	2.00	300.00
1/05/21	AND	RESEARCHED PROPOSITION 68 GRANT FUNDING; REVISED RESOLUTION REGARDING PROPOSITION 68; E-MAILED J. HUGHES AND T. BLAKSLEE REGARDING SAME.	.80	120.00
1/07/21	AND	RESEARCHED WAIVER OF LATE PAYMENTS AND INTERESTS CHARGES; RESEARCHED GIFT OF PUBLIC FUNDS; E-MAILED J. HUGHES REGARDING SAME.	1.50	225.00
1/07/21	AND	ATTENDED CUYAMA BASIN GSA SAC MEETING.	3.40	510.00
1/08/21	AND	TELEPHONE CALL WITH T. BLAKSLEE REGARDING SAC COMMITTEE MEMBERSHIP APPLICATION; REVISED SAC COMMITTEE MEMBERSHIP APPLICATION; E-MAILED T. BLAKSLEE REGARDING SAME.	.80	120.00
1/09/21	JVK	LEGAL RESEARCH REGARDING MECHANISMS AVAILABLE TO PURSUE COLLECTION OF UNPAID GSA ASSESSMENTS.	1.40	413.00
1/10/21	JVK	EXCHANGED E-MAILS WITH J. HUGHES REGARDING COLLECTION OF ASSESSMENTS; LEGAL RESEARCH REGARDING REMEDIES AVAILABLE TO JPA.	.70	206.50
1/11/21	JDH	TELEPHONE CONFERENCE WITH T. BLAKSLEE.	.30	88.50
1/12/21	JDH	TELEPHONE CONFERENCE WITH D. YUROSEK, J. BECK, T. BLAKSLEE, AND A. DOMINGUEZ REGARDING BOARD MEETING.	.40	118.00
1/13/21	JDH	PREPARED FOR BOARD MEETING.	.50	147.50
1/13/21	JDH	ATTENDED JANUARY REGULAR BOARD MEETING.	3.50	1,032.50

Invoice No. 1170070 February 2, 2021

Date	Init	Description	Hours	Amount
1/18/21	AND	REVIEWED J. WOOSTER REDLINE TO MONITORING WELL ACCESS AGREEMENT; TELEPHONE CALL WITH T. BLAKSLEE REGARDING SAME; E-MAILED J. HUGHES REGARDING POTENTIAL ISSUES AND NEXT COURSE OF ACTION.	1.00	150.00

TOTAL PROFESSIONAL SERVICES **$ 4,030.00**

SUMMARY OF PROFESSIONAL SERVICES

Name	Init	Rate	Hours	Total
DOMINGUEZ, ALEX	AND	150.00	13.10	1,965.00
HUGHES, JOSEPH	JDH	295.00	4.90	1,445.50
KOMAR, JOHN	JVK	295.00	2.10	619.50
Total			**20.10**	**$ 4,030.00**

TOTAL THIS INVOICE **$ 4,030.00**

Invoice No. 1170070 February 2, 2021

OUTSTANDING INVOICES

Invoice No.	Date	Invoice Total	Payments Received	Ending Balance
1165308	11/30/20	3,439.50	3,124.50	315.00

PRIOR BALANCE	$ 315.00
Balance Due This Invoice	$ 4,030.00
TOTAL BALANCE DUE	**$ 4,345.00**

AGED ACCOUNTS RECEIVABLE

Current - 30	31 - 60	61 - 90	91 - 120	Over 120	Total
$ .00	$ .00	$ 315.00	$ .00	$ .00	$ 315.00

Klein · DeNatale · Goldner
ATTORNEYS AT LAW

4550 CALIFORNIA AVENUE, SECOND FLOOR
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BAKERSFIELD, CA 93389-1172
(661) 395-1000
FAX (661) 326-0418
E-MAIL: accounting@kleinlaw.com

February 2, 2021

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

Invoice No. 1170070
Client No. 22930
Matter No. 001
Billing Attorney: JDH

REMITTANCE

RE: CUYAMA BASIN GROUNDWATER SUSTAINABILITY
GENERAL BUSINESS

BALANCE DUE THIS INVOICE	**$ 4,030.00**
Prior Balance	$ 315.00
TOTAL BALANCE DUE	**$ 4,345.00**

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

Klein, DeNatale, Goldner, Cooper,
Rosenlieb & Kimball, LLP
P.O. Box 11172
Bakersfield, CA 93389-1172

For payment by wire in USD:
(Please reference:
Client-Matter No. 22930-001,
Invoice No. 1170070)

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

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

DUE UPON RECEIPT

FEDERAL I.D. No. 95-2298220

Thank you! Your business is greatly appreciated.

WOODARD &CURRAN

COMMITMENT & INTEGRITY
DRIVE RESULTS

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

T 800.426.4262
T 207.774.2112
F 207.774.6635

TD BANK
Electronic Transfer:
211274450 2427662596

INVOICE

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

January 26, 2021
Project No: 0011078.01
Invoice No: 185851

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending December 25, 2020

Phase 012 GW Monitoring Well Network Expansion (Cat 1 – Task 1)

Professional Personnel

		Hours	Rate	Amount	
Planner 3					
Eggleton, Charles		2.75	217.00	596.75	
	Totals	2.75		596.75	
	Labor Total				**596.75**
			Total this Phase		**$596.75**

Phase 014 Surface Water Monitoring Program (Cat 1 – Task 3)

Professional Personnel

		Hours	Rate	Amount	
Project Manager 2					
Van Lienden, Brian		20.50	273.00	5,596.50	
	Totals	20.50		5,596.50	
	Labor Total				**5,596.50**

Consultant

Sub - Consultant Miscellaneous					
12/25/2020	GROUND WATER SOLUTIONS, INC.	GSI Inv# 0747.002-13		4,794.40	
	Consultant Total		**1.1 times**	**4,794.40**	**5,273.84**
			Total this Phase		**$10,870.34**

Phase 028 FY 20/21 Stakeholder/Board Engagement

Professional Personnel

		Hours	Rate	Amount	
Planner 3					
Martien, Lindsay		8.25	217.00	1,790.25	
Project Manager 2					
Van Lienden, Brian		26.00	273.00	7,098.00	
	Totals	34.25		8,888.25	
	Labor Total				**8,888.25**
			Total this Phase		**$8,888.25**

Please include our invoice number in vour remittance. Thank vou.

Phase 029 FY 20/21 Outreach

Professional Personnel

	Hours	Rate	Amount	
Graphic Artist				
Fox, Adam	1.00	121.00	121.00	
Totals	1.00		121.00	
Labor Total				**121.00**
			Total this Phase	**$121.00**

Phase 031 FY 20/21 GSP Implementation Support

Professional Personnel

	Hours	Rate	Amount	
Planner 3				
Eggleton, Charles	10.00	217.00	2,170.00	
Senior Project Assistant				
Hughart, Desiree	2.75	132.00	363.00	
Totals	12.75		2,533.00	
Labor Total				**2,533.00**
			Total this Phase	**$2,533.00**

Phase 034 FY 20/21 DWR Grant Agreement Administration

Professional Personnel

	Hours	Rate	Amount	
Planner 3				
Martien, Lindsay	4.25	217.00	922.25	
Project Manager 2				
Van Lienden, Brian	4.00	273.00	1,092.00	
Totals	8.25		2,014.25	
Labor Total				**2,014.25**
			Total this Phase	**$2,014.25**

Phase 035 FY 20/21 Preparation for Grant Application

Professional Personnel

	Hours	Rate	Amount	
Planner 1				
Stine, Melissa	17.00	166.00	2,822.00	
Planner 3				
Eggleton, Charles	54.75	217.00	11,880.75	
Project Manager 2				
Van Lienden, Brian	40.00	273.00	10,920.00	
Totals	111.75		25,622.75	
Labor Total				**25,622.75**
			Total this Phase	**$25,622.75**

Phase 036 FY 20/21 Indirect and Induced Economic Impacts Analysis

Consultant

Sub - Consultant Miscellaneous

12/25/2020	ERA Economics, LLC	ERA Invoice #WC20a.05		19,012.50	
	Consultant Total		**1.1 times**	**19,012.50**	**20,913.75**
				Total this Phase	**$20,913.75**

Phase 037 FY 20/21 Develop Strategy for Update/Refinement of Cuyama Basin GW Model

Professional Personnel

	Hours	**Rate**	**Amount**	
Project Engineer 1				
Ceyhan, Mahmut	1.00	227.00	227.00	
Project Manager 2				
Van Lienden, Brian	1.50	273.00	409.50	
Senior Technical Practice Leader				
Taghavi, Ali	1.00	315.00	315.00	
Totals	3.50		951.50	
Labor Total				**951.50**
			Total this Phase	**$951.50**
			Total this Invoice	**$72,511.59**

Outstanding Invoices

Number	**Date**	**Balance**
184012	12/9/2020	62,976.75
184811	12/23/2020	46,416.17
Total		**109,392.92**

	Current Fee	**Previous Fee**	**Total**
Project Summary	**72,511.59**	**2,655,567.03**	**2,728,078.62**

Approved by: 

Brian Van Lienden
Project Manager
Woodard & Curran

Progress Report

Cuyama Basin Groundwater Sustainability Plan Development

Subject:	**December 2020 Progress Report**
Prepared for:	Jim Beck, Executive Director, Cuyama Basin Groundwater Sustainability Agency (CBGSA)
Prepared by:	Micah Eggleton, Woodard & Curran
Reviewed by:	Brian Van Lienden, Woodard & Curran
Date:	January 26, 2021
Project No.:	0011078.01

This progress report summarizes the work performed and project status for the period of November 28, 2020 through December 25, 2020 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 5, issued by the CBGSA on June 6, 2018, Task Order 6, issued by the CBGSA on August 7, 2019, Task Order 7, issued by the CBGSA on December 4, 2019, and Task order 8, issued by the CBGSA on June 25, 2020. Note that Task Orders 1, 2, 3 and 4 were already 100% spent as of the beginning of this reporting period.
The progress report contains the following sections:

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

1 Work Performed

A summary of work performed on the project during the current reporting period is provided in Tables 1, 2, 3 and 4 below. Table 1 shows work performed under Task Orders 2 and 4, which include tasks identified in the Category 2 grant from the California Department of Water Resources (DWR). Table 2 shows work performed under Task Orders 3 and 5, which includes tasks identified in the Category 1 grant from DWR. Table 3 shows work performed under Task Order 6. Table 4 shows work under Task Order 7. Table 5 shows work under Task Order 8.

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

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development	• Task 1 is completed; no work was undertaken on this task during this reporting period	100%	• Task 1 is completed; no further work is anticipated
Task 2: Data Management System, Data Collection and Analysis, and Plan Review	• Task 2 is completed; no work was undertaken on this task during this reporting period	100%	• Task 2 is completed; no further work is anticipated
Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions	• Task 3 is completed; no work was undertaken on this task during this reporting period	100%	• Task 3 is completed; no further work is anticipated
Task 4: Basin Model and Water Budget	• Task 4 is completed; no work was undertaken on this task during this reporting period	100%	• Task 4 is completed; no further work is anticipated
Task 5: Establish Basin Sustainability Criteria	• Task 5 is completed; no work was undertaken on this task during this reporting period	100%	• Task 5 is completed; no further work is anticipated
Task 6. Monitoring Networks	• Task 6 is completed; no work was undertaken on this task during this reporting period	100%	• Task 6 is completed; no further work is anticipated
Task 7: Projects and Actions for Sustainability Goals	• Task 7 is completed; no work was undertaken on this task during this reporting period	100%	• Task 7 is completed; no further work is anticipated
Task 8. GSP Implementation	• Task 8 is completed; no work was undertaken on this task during this reporting period	100%	• Task 8 is completed; no further work is anticipated

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 9. GSP Development	• Task 9 is completed; no work was undertaken on this task during this reporting period	100%	• Task 9 is completed; no further work is anticipated
Task 10: Education, Outreach and Communication	• Task 10 is completed; no work was undertaken on this task during this reporting period	100%	• Task 10 is completed; no further work is anticipated
Task 11: Project Management	• Task 11 is completed; no work was undertaken on this task during this reporting period	100%	• Task 11 is completed; no further work is anticipated

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

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 12: Groundwater Monitoring Well Network Expansion	• Identification of partners and discussions with landowners for groundwater well monitoring equipment installation	88%	• This task is expected to be completed during Q3 of FY 2020-21.
Task 13: Evapotranspiration Evaluation for Cuyama Basin Region	• Task 13 is completed. No work was performed on Task 13 during this period.	100%	• Task 13 is completed; no further work is anticipated
Task 14: Surface Water Monitoring Program	• Worked with USGS to prepare documentation and agreements for gage installation	60%	• This task is expected to be completed during Q3 of FY 2020-21.
Task 15: Category 1 Project Management	• Ongoing project management and grant administration activities	98%	• Ongoing project management and grant administration activities

Table 3: Summary of Task/Deliverables Status for Task Order 6

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 16: Finalize GSP Development	• Task 16 is completed; no work was undertaken on this task during this reporting period	100%	• Task 16 is completed; no further work is anticipated

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 17: Stakeholder & Board Engagement	• Task 17 is completed; no work was undertaken on this task during this reporting period	100%	• Task 17 is completed; no further work is anticipated.
Task 18: Outreach Support	• Task 18 is completed; no work was undertaken on this task during this reporting period	100%	• Task 18 is completed; no further work is anticipated.
Task 19: Support for DWR Technical Support Services	• Task 19 is completed; no work was undertaken on this task during this reporting period	100%	• Task 19 is completed; no further work is anticipated.
Task 20: Prepare SGM Planning Grant Application	• Task 20 is completed; no work was undertaken on this task during this reporting period	100%	• Task 20 is completed; no further work is anticipated
Task 21: Development of a CBGSA Fee Structure	• Task 21 is completed; no work was undertaken on this task during this reporting period	100%	• Task 21 is completed; no further work is anticipated

Table 4: Summary of Task/Deliverables Status for Task Order 7

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 22: Stakeholder & Board Engagement	• Task 22 is completed. No work was performed on Task 22 during this period.	100%	• Task 22 is completed; no further work is anticipated. Further work will be performed under Task 28.
Task 23: Outreach Support	• Task 23 is completed. No work was performed on Task 23 during this period.	100%	• Task 23 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 29.

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 24: Support for DWR Technical Support Services	• Task 24 is completed. No work was performed on Task 24 during this period.	100%	• Task 24 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 30.
Task 25: Cuyama Basin GSP Implementation Support	• Task 25 is completed. No work was performed on Task 25 during this period.	100%	• Task 25 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 31.
Task 26: Development of Management Area Policies and Guidelines	• Task 26 is completed. No work was performed on Task 26 during this period.	100%	• Task 26 is completed; no further work is anticipated.
Task 27: Support for Determining a Funding Mechanism for FY 20-21	• Task 27 is completed. No work was performed on Task 27 during this period.	100%	• Task 27 is completed; no further work is anticipated.

Table 5: Summary of Task/Deliverables Status for Task Order 8

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 28: FY21 Stakeholder & Board Engagement	• Prepare materials for January Board/SAC meetings • Participation in ad-hoc calls	40%	• Participation in future ad-hoc calls • Preparation for and participation in future CBGSA Board and SAC meetings
Task 29: FY21 Outreach Support	• Ongoing stakeholder outreach activities related to GSP implementation	50%	• Ongoing stakeholder outreach activities related to GSP implementation

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 30: FY21 Support for DWR Technical Support Services	• Coordination with DWR related to TSS well installation	6%	• Continued TSS well support and permitting
Task 31: FY21 Cuyama Basin GSP Implementation Support	• Data organization and DMS updates • Monitoring implementation support and development of monitoring reporting documentation • Initial development of GSP Annual Report, including groundwater model implementation	30%	• Continued monitoring implementation support • DMS updates and data integration • Prepare Cuyama Basin Annual Report
Task 32: FY21 Development of Management Area Administration	• No work was performed on Task 32 during this period	0%	• Additional support as requested by the CBGSA
Task 33: FY21 Support for Determining a Funding Mechanism	• No work was performed on Task 33 during this period	0%	• Additional support as requested by the CBGSA
Task 34: FY21 DWR Grant Agreement Administration	• Ongoing grant agreement administration • Grant scheduling	55%	• Continued grant agreement administration
Task 35: FY21 Preparation of Grant Application	• Develop grant application materials • Coordination discussions with DWR and ad-hoc committee members	70%	• Finalize development of a grant application and submittal to DWR

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 36: FY21 Indirect and Induced Economic Impacts Analysis	• Data compilation and model setup for economics analysis by ERA Economics • Outreach meetings to support development of economic analysis • Prepare presentation for January Board meeting	92%	• Finalize economic model analysis and present results at January Board meeting • Develop economics analysis technical memorandum
Task 37: FY21 Develop Strategy for Update/ Refinement of Cuyama Basin GW Model	• Refinement of draft approaches for Cuyama Basin model updates	25%	• Prioritization of model refinement approaches • Work with Board ad-hoc and Technical Forum members to review and refine model refinement strategy

2 Budget Status

Table 6 shows the percent spent for each task under Task Order 1. 100% of the available Task Order 1 budget has been expended ($321,135.00 out of $321,135).

Table 6: Budget Status for Task Order 1

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

Table 7 shows the percent spent for each task under Task Order 2. 100% of the available Task Order 2 budget has been expended ($399,469.00 out of $399,469).

Table 7: Budget Status for Task Order 2

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
1	$ -	$ -	$ -	$ -	$ -	n/a
2	$ 48,457.00	$ 48,458.00	$ -	$ 48,458.00	$ (1.00)	100%
3	$ 24,182.00	$ 24,182.00	$ -	$ 24,182.00	$ -	100%
4	$ 103,880.00	$ 103,880.00	$ -	$ 103,880.00	$ -	100%
5	$ 60,676.00	$ 60,676.00	$ -	$ 60,676.00	$ -	100%
6	$ 65,256.00	$ 65,255.00	$ -	$ 65,255.00	$ 1.00	100%
7	$ 36,402.00	$ 36,402.00	$ -	$ 36,402.00	$ -	100%
8	$ -	$ -	$ -	$ -	$ -	n/a
9	$ -	$ -	$ -	$ -	$ -	n/a
10	$ 45,420.00	$ 45,420.00	$ -	$ 45,420.00	$ -	100%
11	$ 15,196.00	$ 15,196.00	$ -	$ 15,196.00	$ -	100%
Total	**$ 399,469.00**	**$ 399,469.00**	**$ -**	**$ 399,469.00**	**$ -**	**100%**

Table 8 shows the percent spent for each task under Task Order 3. 100% of the available Task Order 3 budget has been expended ($188,238.00 out of $188,238).

Table 8: Budget Status for Task Order 3

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	$ 53,244.00	$ 53,244.00	$ -	$ 53,244.00	$ -	100%
13	$ 69,706.00	$ 69,706.00	$ -	$ 69,706.00	$ -	100%
14	$ 53,342.00	$ 53,342.00	$ -	$ 53,342.00	$ -	100%
15	$ 11,946.00	$ 11,946.00	$ -	$ 11,946.00	$ -	100%
Total	**$ 188,238.00**	**$ 188,238.00**	**$ -**	**$ 188,238.00**	**$ -**	**100%**

Table 9 shows the percent spent for each task under Task Order 4. 100% of the available Task Order 4 budget has been expended ($764,394.14 out of $764,396).

Table 9: Budget Status for Task Order 4

Task	Total Budget	Spent Previously	Amount Invoiced This Month	Total Spent to Date	Budget Remaining	% Spent to Date
1	$ -	$ -	$ -	$ -	$ -	n/a
2	$ 24,780.00	$ 24,793.50	$ -	$ 24,793.50	$ (13.50)	100%
3	$ 26,912.00	$ 26,894.00	$ -	$ 26,894.00	$ 18.00	100%
4	$ 280,196.00	$ 280,190.26	$ -	$ 280,190.26	$ 5.74	100%
5	$ 47,698.00	$ 47,641.88	$ -	$ 47,641.88	$ 56.12	100%
6	$ -	$ -	$ -	$ -	$ -	n/a
7	$ 117,010.00	$ 117,009.20	$ -	$ 117,009.20	$ 0.80	100%
8	$ 69,780.00	$ 69,831.25	$ -	$ 69,831.25	$ (51.25)	100%
9	$ 91,132.00	$ 91,567.49	$ -	$ 91,567.49	$ (435.49)	100%
10	$ 70,236.00	$ 69,766.10	$ -	$ 69,766.10	$ 469.90	100%
11	$ 36,652.00	$ 36,700.46	$ -	$ 36,700.46	$ (48.46)	100%
Total	**$ 764,396.00**	**$ 764,394.14**	**$ -**	**$ 764,394.14**	**$ 1.86**	**100%**

Table 10 shows the percent spent for each task under Task Order 5 as of December 25, 2020. 70% of the available Task Order 5 budget has been expended ($321,206.25 out of $459,886).

Table 10: Budget Status for Task Order 5

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	$196,208.00	$163,747.02	$596.75	$164,343.77	$31,864.23	84%
13	$24,950.00	$24,933.01	$0.00	$24,933.01	$16.99	100%
14	$204,906.00	$88,154.58	$10,870.34	$99,024.92	$105,881.08	48%
15	$33,822.00	$32,904.55	$0.00	$32,904.55	$917.45	97%
Total	**$459,886.00**	**$309,739.16**	**$11,467.09**	**$321,206.25**	**$138,679.75**	**70%**

Table 11 shows the percent spent for each task under Task Order 6. 96% of the available Task Order 6 budget has been expended ($344,372.37 out of $357,405). Work on Task Order 6 is completed.

Table 11: Budget Status for Task Order 6

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
16	$195,658.00	$195,630.29	$0.00	$195,630.29	$27.71	100%
17	$57,406.00	$57,379.17	$0.00	$57,379.17	$26.83	100%
18	$12,901.00	$12,929.91	$0.00	$12,929.91	($28.91)	100%
19	$18,848.00	$18,835.50	$0.00	$18,835.50	$12.50	100%
20	$40,032.00	$40,007.00	$0.00	$40,007.00	$25.00	100%
21	$32,560.00	$19,590.50	$0.00	$19,590.50	$12,969.50	60%
Total	**$357,405.00**	**$344,372.37**	**$0.00**	**$344,372.37**	**$13,032.63**	**96%**

Table 12 shows the percent spent for each task under Task Order 7. 59% of the available Task Order 7 budget has been expended ($160,318.09 out of $273,655.00). Work on Task Order 7 is completed.

Table 12: Budget Status for Task Order 7

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
22	$29,262.00	$8,736.00	$0.00	$8,736.00	$20,526.00	30%
23	$12,901.00	$7,571.88	$0.00	$7,571.88	$5,329.12	59%
24	$18,848.00	$15,301.46	$0.00	$15,301.46	$3,546.54	81%
25	$160,028.00	$120,728.75	$0.00	$120,728.75	$39,299.25	75%
26	$49,608.00	$4,977.00	$0.00	$4,977.00	$44,631.00	10%
27	$3,008.00	$3,003.00	$0.00	$3,003.00	$5.00	100%
Total	**$273,655.00**	**$160,318.09**	**$0.00**	**$160,318.09**	**$113,336.91**	**59%**

Table 13 shows the percent spent for each task under Task Order 8 as of December 25, 2020. 31% of the available Task Order 8 budget has been expended ($228,945.77 out of $739,525.00).

Table 13: Budget Status for Task Order 8

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
28	$90,052.00	$16,251.97	$8,888.25	$25,140.22	$64,911.78	28%
29	$18,057.00	$3,235.38	$121.00	$3,356.38	$14,700.62	19%
30	$32,192.00	$1,911.00	$0.00	$1,911.00	$30,281.00	6%
31	$330,160.00	$48,214.50	$2,533.00	$50,747.50	$279,412.50	15%
32	$22,584.00	$0.00	$0.00	$0.00	$22,584.00	0%
33	$25,076.00	$0.00	$0.00	$0.00	$25,076.00	0%
34	$50,020.00	$25,357.04	$2,014.25	$27,371.29	$22,648.71	55%
35	$40,400.00	$2,730.00	$25,622.75	$28,352.75	$12,047.25	70%
36	$90,000.00	$61,744.38	$20,913.75	$82,658.13	$7,341.87	92%
37	$40,984.00	$8,457.00	$951.50	$9,408.50	$31,575.50	23%
Total	**$739,525.00**	**$167,901.27**	**$61,044.50**	**$228,945.77**	**$510,579.23**	**31%**

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1, 2, 3, 4, 6 and 7 are complete.

4 Outstanding Issues to be Coordinated

None

WOODARD &CURRAN
COMMITMENT & INTEGRITY
DRIVE RESULTS

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

T 800.426.4262
T 207.774.2112
F 207.774.6635

TD BANK
Electronic Transfer:
⑆211274450⑆ 2427662596⑈

INVOICE

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

February 19, 2021
Project No: 0011078.01
Invoice No: 186685

Project 0011078.01 CUYAMA GSP

Professional Services for the period ending January 29, 2021

Phase 012 GW Monitoring Well Network Expansion (Cat 1 – Task 1)

Professional Personnel

		Hours	Rate	Amount	
Planner 3					
Eggleton, Charles		.50	224.00	112.00	
Project Manager 2					
Van Lienden, Brian		11.00	281.00	3,091.00	
Totals		11.50		3,203.00	
Labor Total					**3,203.00**

Reimbursable

Field Equipment					
1/23/2021	VAN ESSEN INSTRUMENTS B.V.	Van Essen Instraments		13,418.85	
1/23/2021	VAN ESSEN INSTRUMENTS B.V.	Van Essen Inv# 13210010		741.34	
1/23/2021	VAN ESSEN INSTRUMENTS B.V.	Van Essen #13210015		1,966.09	
1/23/2021	VAN ESSEN INSTRUMENTS B.V.	Van Essen Inv# 13210020		3,376.68	
	Reimbursable Total		**1.1 times**	**19,502.96**	**21,453.26**

Consultant

Sub - Consultant Miscellaneous					
1/29/2021	GSI WATER SOLUTIONS, INC.	GSI Inv # 717.002-14		1,597.00	
	Consultant Total		**1.1 times**	**1,597.00**	**1,756.70**
			Total this Phase		**$26,412.96**

Phase 028 FY 20/21 Stakeholder/Board Engagement

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

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COMMITMENT & INTEGRITY
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INVOICE

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Electronic Transfer:
⑆211274450⑆ 2427662596⑈

Project	0011078.01	CUYAMA GSP			Invoice	186685

Professional Personnel

		Hours	Rate	Amount	
Planner 3					
Martien, Lindsay		2.00	217.00	434.00	
Martien, Lindsay		6.50	224.00	1,456.00	
Project Manager 2					
Van Lienden, Brian		6.00	273.00	1,638.00	
Van Lienden, Brian		14.50	281.00	4,074.50	
	Totals	29.00		7,602.50	
	Labor Total				**7,602.50**
			Total this Phase		**$7,602.50**

Phase 029 FY 20/21 Outreach

Professional Personnel

		Hours	Rate	Amount	
Graphic Artist					
Fox, Adam		.75	125.00	93.75	
	Totals	.75		93.75	
	Labor Total				**93.75**

Consultant

Sub - Consultant Miscellaneous					
1/29/2021	THE CATALYST GROUP	Catalyst Inve# 529		885.00	
	Consultant Total		**1.1 times**	**885.00**	**973.50**
			Total this Phase		**$1,067.25**

Phase 030 FY 20/21 Support for DWR Technical Support Services

Professional Personnel

		Hours	Rate	Amount	
Project Manager 2					
Van Lienden, Brian		3.50	281.00	983.50	
	Totals	3.50		983.50	
	Labor Total				**983.50**
			Total this Phase		**$983.50**

Phase 031 FY 20/21 GSP Implementation Support

Professional Personnel

		Hours	Rate	Amount	
Planner 1					
Stine, Melissa		7.50	171.00	1,282.50	

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COMMITMENT & INTEGRITY
DRIVE RESULTS

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

T 800.426.4262
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F 207.774.6635

TD BANK
Electronic Transfer:
⑆211274450⑆ 2427662596⑈

INVOICE

Project	0011078.01	CUYAMA GSP			Invoice	186685
Planner 3						
Eggleton, Charles		2.00	217.00	434.00		
Eggleton, Charles		26.50	224.00	5,936.00		
Project Engineer 1						
Ceyhan, Mahmut		23.00	234.00	5,382.00		
Project Manager 2						
Ayres, John		3.00	281.00	843.00		
Van Lienden, Brian		12.00	273.00	3,276.00		
Van Lienden, Brian		46.00	281.00	12,926.00		
Senior Project Assistant						
Hughart, Desiree		.25	132.00	33.00		
Hughart, Desiree		2.00	136.00	272.00		
Totals		122.25		30,384.50		
Labor Total						**30,384.50**
				Total this Phase		**$30,384.50**

Phase 034 FY 20/21 DWR Grant Agreement Administration

Professional Personnel

	Hours	Rate	Amount	
Engineer 1				
Cai, Wenjia	4.00	171.00	684.00	
Planner 3				
Martien, Lindsay	10.75	224.00	2,408.00	
Project Manager 2				
Van Lienden, Brian	8.00	281.00	2,248.00	
Totals	22.75		5,340.00	
Labor Total				**5,340.00**
		Total this Phase		**$5,340.00**

Phase 035 FY 20/21 Preparation for Grant Application

Professional Personnel

	Hours	Rate	Amount	
Planner 3				
Eggleton, Charles	22.00	217.00	4,774.00	
Eggleton, Charles	32.00	224.00	7,168.00	
Totals	54.00		11,942.00	
Labor Total				**11,942.00**
		Total this Phase		**$11,942.00**

Phase 036 FY 20/21 Indirect and Induced Economic Impacts Analysis

WOODARD &CURRAN
COMMITMENT & INTEGRITY
DRIVE RESULTS

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

T 800.426.4262
T 207.774.2112
F 207.774.6635

INVOICE

TD BANK
Electronic Transfer:
⑆211274450⑆ 2427662596⑈

Project	0011078.01	CUYAMA GSP	Invoice	186685

Professional Personnel

		Hours	Rate	Amount	
Project Manager 2					
Van Lienden, Brian		2.00	273.00	546.00	
Van Lienden, Brian		4.00	281.00	1,124.00	
	Totals	6.00		1,670.00	
	Labor Total				**1,670.00**

Consultant

Sub - Consultant Miscellaneous					
1/29/2021	ERA Economics, LLC	ERA Inv# WC20a.06		5,140.00	
	Consultant Total		**1.1 times**	**5,140.00**	**5,654.00**
			Total this Phase		**$7,324.00**

Phase 037 FY 20/21 Develop Strategy for Update/Refinement of Cuyama Basin GW Model

Professional Personnel

		Hours	Rate	Amount	
Project Manager 2					
Van Lienden, Brian		11.00	281.00	3,091.00	
Senior Technical Practice Leader					
Taghavi, Ali		1.00	324.00	324.00	
	Totals	12.00		3,415.00	
	Labor Total				**3,415.00**
			Total this Phase		**$3,415.00**
			Total this Invoice		**$94,471.71**

Outstanding Invoices

Number	Date	Balance
185851	1/26/2021	72,511.59
Total		**72,511.59**

	Current Fee	Previous Fee	Total
Project Summary	**94,471.71**	**2,728,078.62**	**2,822,550.33**

Approved by:

Brian Van Lienden
Project Manager
Woodard & Curran

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

Progress Report

Cuyama Basin Groundwater Sustainability Plan Development

Subject:	**January 2021 Progress Report**
Prepared for:	Jim Beck, Executive Director, Cuyama Basin Groundwater Sustainability Agency (CBGSA)
Prepared by:	Micah Eggleton, Woodard & Curran
Reviewed by:	Brian Van Lienden, Woodard & Curran
Date:	February 19, 2021
Project No.:	0011078.01

This progress report summarizes the work performed and project status for the period of December 26, 2020 through January 29, 2021 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 5, issued by the CBGSA on June 6, 2018, Task Order 6, issued by the CBGSA on August 7, 2019, Task Order 7, issued by the CBGSA on December 4, 2019, and Task order 8, issued by the CBGSA on June 25, 2020. Note that Task Orders 1, 2, 3 and 4 were already 100% spent as of the beginning of this reporting period.
The progress report contains the following sections:

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

1 Work Performed

A summary of work performed on the project during the current reporting period is provided in Tables 1, 2, 3 and 4 below. Table 1 shows work performed under Task Orders 2 and 4, which include tasks identified in the Category 2 grant from the California Department of Water Resources (DWR). Table 2 shows work performed under Task Orders 3 and 5, which includes tasks identified in the Category 1 grant from DWR. Table 3 shows work performed under Task Order 6. Table 4 shows work under Task Order 7. Table 5 shows work under Task Order 8.

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

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development	• Task 1 is completed; no work was undertaken on this task during this reporting period	100%	• Task 1 is completed; no further work is anticipated
Task 2: Data Management System, Data Collection and Analysis, and Plan Review	• Task 2 is completed; no work was undertaken on this task during this reporting period	100%	• Task 2 is completed; no further work is anticipated
Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions	• Task 3 is completed; no work was undertaken on this task during this reporting period	100%	• Task 3 is completed; no further work is anticipated
Task 4: Basin Model and Water Budget	• Task 4 is completed; no work was undertaken on this task during this reporting period	100%	• Task 4 is completed; no further work is anticipated
Task 5: Establish Basin Sustainability Criteria	• Task 5 is completed; no work was undertaken on this task during this reporting period	100%	• Task 5 is completed; no further work is anticipated
Task 6. Monitoring Networks	• Task 6 is completed; no work was undertaken on this task during this reporting period	100%	• Task 6 is completed; no further work is anticipated
Task 7: Projects and Actions for Sustainability Goals	• Task 7 is completed; no work was undertaken on this task during this reporting period	100%	• Task 7 is completed; no further work is anticipated
Task 8. GSP Implementation	• Task 8 is completed; no work was undertaken on this task during this reporting period	100%	• Task 8 is completed; no further work is anticipated

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 9. GSP Development	• Task 9 is completed; no work was undertaken on this task during this reporting period	100%	• Task 9 is completed; no further work is anticipated
Task 10: Education, Outreach and Communication	• Task 10 is completed; no work was undertaken on this task during this reporting period	100%	• Task 10 is completed; no further work is anticipated
Task 11: Project Management	• Task 11 is completed; no work was undertaken on this task during this reporting period	100%	• Task 11 is completed; no further work is anticipated

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

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 12: Groundwater Monitoring Well Network Expansion	• Acquired equipment for groundwater level monitoring	98%	• Installation of monitoring equipment • This task is expected to be completed during Q3 of FY 2020-21.
Task 13: Evapotranspiration Evaluation for Cuyama Basin Region	• Task 13 is completed. No work was performed on Task 13 during this period.	100%	• Task 13 is completed; no further work is anticipated
Task 14: Surface Water Monitoring Program	• Worked with USGS to prepare documentation and agreements for gage installation	60%	• This task is expected to be completed during Q3 of FY 2020-21.
Task 15: Category 1 Project Management	• Ongoing project management and grant administration activities	98%	• Ongoing project management and grant administration activities

Table 3: Summary of Task/Deliverables Status for Task Order 6

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 16: Finalize GSP Development	• Task 16 is completed; no work was undertaken on this task during this reporting period	100%	• Task 16 is completed; no further work is anticipated

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 17: Stakeholder & Board Engagement	• Task 17 is completed; no work was undertaken on this task during this reporting period	100%	• Task 17 is completed; no further work is anticipated.
Task 18: Outreach Support	• Task 18 is completed; no work was undertaken on this task during this reporting period	100%	• Task 18 is completed; no further work is anticipated.
Task 19: Support for DWR Technical Support Services	• Task 19 is completed; no work was undertaken on this task during this reporting period	100%	• Task 19 is completed; no further work is anticipated.
Task 20: Prepare SGM Planning Grant Application	• Task 20 is completed; no work was undertaken on this task during this reporting period	100%	• Task 20 is completed; no further work is anticipated
Task 21: Development of a CBGSA Fee Structure	• Task 21 is completed; no work was undertaken on this task during this reporting period	100%	• Task 21 is completed; no further work is anticipated

Table 4: Summary of Task/Deliverables Status for Task Order 7

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 22: Stakeholder & Board Engagement	• Task 22 is completed. No work was performed on Task 22 during this period.	100%	• Task 22 is completed; no further work is anticipated. Further work will be performed under Task 28.
Task 23: Outreach Support	• Task 23 is completed. No work was performed on Task 23 during this period.	100%	• Task 23 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 29.

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 24: Support for DWR Technical Support Services	• Task 24 is completed. No work was performed on Task 24 during this period.	100%	• Task 24 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 30.
Task 25: Cuyama Basin GSP Implementation Support	• Task 25 is completed. No work was performed on Task 25 during this period.	100%	• Task 25 is completed; no further work is anticipated. Further work will be performed under a new task in Task Order 31.
Task 26: Development of Management Area Policies and Guidelines	• Task 26 is completed. No work was performed on Task 26 during this period.	100%	• Task 26 is completed; no further work is anticipated.
Task 27: Support for Determining a Funding Mechanism for FY 20-21	• Task 27 is completed. No work was performed on Task 27 during this period.	100%	• Task 27 is completed; no further work is anticipated.

Table 5: Summary of Task/Deliverables Status for Task Order 8

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 28: FY21 Stakeholder & Board Engagement	• Prepare materials for and participated in SAC meeting on January 7 and Board meeting on January 13 • Participation in ad-hoc calls	60%	• Participation in future ad-hoc calls • Preparation for and participation in future CBGSA Board and SAC meetings
Task 29: FY21 Outreach Support	• Ongoing stakeholder outreach activities related to GSP implementation	60%	• Ongoing stakeholder outreach activities related to GSP implementation

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 30: FY21 Support for DWR Technical Support Services	• Coordination with DWR related to TSS well installation	10%	• Continued TSS well support and permitting
Task 31: FY21 Cuyama Basin GSP Implementation Support	• Monitoring implementation support and development of monitoring reporting documentation • Development of GSP Annual Report	50%	• Continued monitoring implementation support • DMS updates and data integration • Prepare Cuyama Basin Annual Report
Task 32: FY21 Development of Management Area Administration	• No work was performed on Task 32 during this period	0%	• Additional support as requested by the CBGSA
Task 33: FY21 Support for Determining a Funding Mechanism	• No work was performed on Task 33 during this period	0%	• Additional support as requested by the CBGSA
Task 34: FY21 DWR Grant Agreement Administration	• Ongoing grant agreement administration • Grant scheduling	65%	• Continued grant agreement administration
Task 35: FY21 Preparation of Grant Application	• Finalized development of a grant application and submittal to DWR	100%	• Task 35 is completed; no further work is anticipated
Task 36: FY21 Indirect and Induced Economic Impacts Analysis	• Finalized economic model analysis and present results at January Board meeting • Developed economics analysis technical memorandum	100%	• Task 36 is completed; no further work is anticipated

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
Task 37: FY21 Develop Strategy for Update/ Refinement of Cuyama Basin GW Model	• Initial development of model refinement technical memorandum	50%	• Finalize model refinement technical memorandum and submit to CBGSA Board

2 Budget Status

Table 6 shows the percent spent for each task under Task Order 1. 100% of the available Task Order 1 budget has been expended ($321,135.00 out of $321,135).

Table 6: Budget Status for Task Order 1

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

Table 7 shows the percent spent for each task under Task Order 2. 100% of the available Task Order 2 budget has been expended ($399,469.00 out of $399,469).

Table 7: Budget Status for Task Order 2

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
1	$ -	$ -	$ -	$ -	$ -	n/a
2	$ 48,457.00	$ 48,458.00	$ -	$ 48,458.00	$ (1.00)	100%
3	$ 24,182.00	$ 24,182.00	$ -	$ 24,182.00	$ -	100%
4	$ 103,880.00	$ 103,880.00	$ -	$ 103,880.00	$ -	100%
5	$ 60,676.00	$ 60,676.00	$ -	$ 60,676.00	$ -	100%
6	$ 65,256.00	$ 65,255.00	$ -	$ 65,255.00	$ 1.00	100%
7	$ 36,402.00	$ 36,402.00	$ -	$ 36,402.00	$ -	100%
8	$ -	$ -	$ -	$ -	$ -	n/a
9	$ -	$ -	$ -	$ -	$ -	n/a
10	$ 45,420.00	$ 45,420.00	$ -	$ 45,420.00	$ -	100%
11	$ 15,196.00	$ 15,196.00	$ -	$ 15,196.00	$ -	100%
Total	**$ 399,469.00**	**$ 399,469.00**	**$ -**	**$ 399,469.00**	**$ -**	**100%**

Table 8 shows the percent spent for each task under Task Order 3. 100% of the available Task Order 3 budget has been expended ($188,238.00 out of $188,238).

Table 8: Budget Status for Task Order 3

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	$ 53,244.00	$ 53,244.00	$ -	$ 53,244.00	$ -	100%
13	$ 69,706.00	$ 69,706.00	$ -	$ 69,706.00	$ -	100%
14	$ 53,342.00	$ 53,342.00	$ -	$ 53,342.00	$ -	100%
15	$ 11,946.00	$ 11,946.00	$ -	$ 11,946.00	$ -	100%
Total	**$ 188,238.00**	**$ 188,238.00**	**$ -**	**$ 188,238.00**	**$ -**	**100%**

Table 9 shows the percent spent for each task under Task Order 4. 100% of the available Task Order 4 budget has been expended ($764,394.14 out of $764,396).

Table 9: Budget Status for Task Order 4

Task	Total Budget	Spent Previously	Amount Invoiced This Month	Total Spent to Date	Budget Remaining	% Spent to Date
1	$ -	$ -	$ -	$ -	$ -	n/a
2	$ 24,780.00	$ 24,793.50	$ -	$ 24,793.50	$ (13.50)	100%
3	$ 26,912.00	$ 26,894.00	$ -	$ 26,894.00	$ 18.00	100%
4	$ 280,196.00	$ 280,190.26	$ -	$ 280,190.26	$ 5.74	100%
5	$ 47,698.00	$ 47,641.88	$ -	$ 47,641.88	$ 56.12	100%
6	$ -	$ -	$ -	$ -	$ -	n/a
7	$ 117,010.00	$ 117,009.20	$ -	$ 117,009.20	$ 0.80	100%
8	$ 69,780.00	$ 69,831.25	$ -	$ 69,831.25	$ (51.25)	100%
9	$ 91,132.00	$ 91,567.49	$ -	$ 91,567.49	$ (435.49)	100%
10	$ 70,236.00	$ 69,766.10	$ -	$ 69,766.10	$ 469.90	100%
11	$ 36,652.00	$ 36,700.46	$ -	$ 36,700.46	$ (48.46)	100%
Total	**$ 764,396.00**	**$ 764,394.14**	$ -	**$ 764,394.14**	**$ 1.86**	**100%**

Table 10 shows the percent spent for each task under Task Order 5 as of January 29, 2021. 76% of the available Task Order 5 budget has been expended ($347,372.37 out of $459,886).

Table 10: Budget Status for Task Order 5

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
12	$196,208.00	$164,343.77	$26,412.96	$190,756.73	$5,451.27	97%
13	$24,950.00	$24,933.01	$0.00	$24,933.01	$16.99	100%
14	$204,906.00	$99,024.92	$0.00	$99,024.92	$105,881.08	48%
15	$33,822.00	$32,904.55	$0.00	$32,904.55	$917.45	97%
Total	**$459,886.00**	**$321,206.25**	**$26,412.96**	**$347,619.21**	**$112,266.79**	**76%**

Table 11 shows the percent spent for each task under Task Order 6. 96% of the available Task Order 6 budget has been expended ($344,372.37 out of $357,405). Work on Task Order 6 is completed.

Table 11: Budget Status for Task Order 6

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
16	$195,658.00	$195,630.29	$0.00	$195,630.29	$27.71	100%
17	$57,406.00	$57,379.17	$0.00	$57,379.17	$26.83	100%
18	$12,901.00	$12,929.91	$0.00	$12,929.91	($28.91)	100%
19	$18,848.00	$18,835.50	$0.00	$18,835.50	$12.50	100%
20	$40,032.00	$40,007.00	$0.00	$40,007.00	$25.00	100%
21	$32,560.00	$19,590.50	$0.00	$19,590.50	$12,969.50	60%
Total	**$357,405.00**	**$344,372.37**	**$0.00**	**$344,372.37**	**$13,032.63**	**96%**

Table 12 shows the percent spent for each task under Task Order 7. 59% of the available Task Order 7 budget has been expended ($160,318.09 out of $273,655.00). Work on Task Order 7 is completed.

Table 12: Budget Status for Task Order 7

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
22	$29,262.00	$8,736.00	$0.00	$8,736.00	$20,526.00	30%
23	$12,901.00	$7,571.88	$0.00	$7,571.88	$5,329.12	59%
24	$18,848.00	$15,301.46	$0.00	$15,301.46	$3,546.54	81%
25	$160,028.00	$120,728.75	$0.00	$120,728.75	$39,299.25	75%
26	$49,608.00	$4,977.00	$0.00	$4,977.00	$44,631.00	10%
27	$3,008.00	$3,003.00	$0.00	$3,003.00	$5.00	100%
Total	**$273,655.00**	**$160,318.09**	**$0.00**	**$160,318.09**	**$113,336.91**	**59%**

Table 13 shows the percent spent for each task under Task Order 8 as of January 29, 2021. 40% of the available Task Order 8 budget has been expended ($297,004.52 out of $739,525.00).

Table 13: Budget Status for Task Order 8

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
28	$90,052.00	$25,140.22	$7,602.50	$32,742.72	$57,309.28	36%
29	$18,057.00	$3,356.38	$1,067.25	$4,423.63	$13,633.37	24%
30	$32,192.00	$1,911.00	$983.50	$2,894.50	$29,297.50	9%
31	$330,160.00	$50,747.50	$30,384.50	$81,132.00	$249,028.00	25%
32	$22,584.00	$0.00	$0.00	$0.00	$22,584.00	0%
33	$25,076.00	$0.00	$0.00	$0.00	$25,076.00	0%
34	$50,020.00	$27,371.29	$5,340.00	$32,711.29	$17,308.71	65%
35	$40,400.00	$28,352.75	$11,942.00	$40,294.75	$105.25	100%
36	$90,000.00	$82,658.13	$7,324.00	$89,982.13	$17.87	100%
37	$40,984.00	$9,408.50	$3,415.00	$12,823.50	$28,160.50	31%
Total	**$739,525.00**	**$228,945.77**	**$68,058.75**	**$297,004.52**	**$442,520.48**	**40%**

3 Schedule Status

The project is on schedule. Work authorized under Task Orders 1, 2, 3, 4, 6 and 7 are complete.

4 Outstanding Issues to be Coordinated

None

TO: Board of Directors
Agenda Item No. 9

FROM: Taylor Blakslee, Hallmark Group

DATE: March 3, 2021

SUBJECT: Approval of Financial Report for December 2020 and January 2021

Issue
Approval of Financial Report for December 2020 and January 2021

Recommended Motion
Approve financial reports for December 2020 and January 2021.

Discussion
The Cuyama Basin Groundwater Sustainability Agency's financial reports for December 2020 and January 2021 are provided as Attachment 1.

The reports include:

- Statement of Financial Position
- Receipts and Disbursements
- A/R Aging Summary
- A/P Aging Summary
- Statement of Operations with Budget Variance
- 2020/2021 Operating Budget

Cuyama Basin GSA

Financial Statements

December 2020

CUYAMA BASIN GSA
Statement of Financial Position
As of December 31, 2020

	Dec 31, 20	Dec 31, 19	$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	797,190	332,009	465,181	140%
Total Checking/Savings	797,190	332,009	465,181	140%
Accounts Receivable				
Accounts Receivable	415,238	31,116	384,121	1,235%
Total Accounts Receivable	415,238	31,116	384,121	1,235%
Other Current Assets				
Grant Retention Receivable	247,851	196,071	51,779	26%
Total Other Current Assets	247,851	196,071	51,779	26%
Total Current Assets	1,460,278	559,197	901,082	161%
TOTAL ASSETS	**1,460,278**	**559,197**	**901,082**	**161%**
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	280,489	429,351	-148,862	-35%
Total Accounts Payable	280,489	429,351	-148,862	-35%
Total Current Liabilities	280,489	429,351	-148,862	-35%
Total Liabilities	280,489	429,351	-148,862	-35%
Equity				
Unrestricted Net Assets	636,105	518,924	117,181	23%
Net Income	543,683	-389,079	932,762	240%
Total Equity	1,179,789	129,846	1,049,943	809%
TOTAL LIABILITIES & EQUITY	**1,460,278**	**559,197**	**901,082**	**161%**

CUYAMA BASIN GSA
Receipts and Disbursements
As of December 31, 2020

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Bill Pmt -Check	07/20/2020	1037	HGCPM, Inc.		40,896.65
Bill Pmt -Check	07/20/2020	1038	Klein, DeNatale, Goldner		7,325.50
Bill Pmt -Check	07/20/2020	1039	Woodard & Curran Inc		60,421.23
Check	08/25/2020	1040	Groundwater Extraction Fees:El Rancho Espanol		13.30
Check	08/25/2020	1041	Groundwater Extraction Fees:Walking U Ranch	0.00	
Check	08/25/2020	1042	Groundwater Extraction Fees:Holder Cattle Co, LLC		19.00
Check	08/25/2020	1043	Groundwater Extraction Fees:Cooper's Petroleum Dist, Inc		19.00
Check	08/25/2020	1044	Groundwater Extraction Fees:Navarro, Modesto	0.00	
Check	08/25/2020	1045	Groundwater Extraction Fees:Walking U Ranch		17.54
Check	08/25/2020	1046	Groundwater Extraction Fees:Navarro, Modesto		19.00
Bill Pmt -Check	08/25/2020	1047	HGCPM, Inc.		27,608.86
Bill Pmt -Check	08/25/2020	1048	Klein, DeNatale, Goldner		3,701.00
Bill Pmt -Check	08/25/2020	1049	Woodard & Curran Inc		34,729.38
Payment	09/04/2020	2534	Groundwater Extraction Fees:Harrington Farms	5,940.00	
Payment	09/10/2020	46673	Groundwater Extraction Fees:Feinstein Investments	7,667.00	
Payment	09/10/2020	1265	Groundwater Extraction Fees:Cuyama Mutual Water Co.	202.40	
Payment	09/10/2020	2015	Groundwater Extraction Fees:Pine Mountain Buddhist Temple	129.41	
Payment	09/10/2020	399552	Groundwater Extraction Fees:Grimmway Enterprises, Inc	347,440.27	
Payment	09/16/2020	1029	Groundwater Extraction Fees:Stone Pine Estate	176.00	
Payment	09/16/2020	78787	Groundwater Extraction Fees:H Lima Company	176.53	
Payment	09/16/2020	241	Groundwater Extraction Fees:Lucky Dog Ranch, LLC	12,498.20	
Payment	09/16/2020	3753	Groundwater Extraction Fees:Sunrise Olive Ranch, LLC	47,300.00	
Payment	09/16/2020	150337	Groundwater Extraction Fees:Kern Ridge Growers, LLC	68,553.76	
Payment	09/16/2020	8290	Groundwater Extraction Fees:JHP Global, Inc	17,226.00	
Bill Pmt -Check	09/22/2020	1050	Daniells Phillips Vaughan & Bock		4,000.00
Bill Pmt -Check	09/22/2020	1051	HGCPM, Inc.		35,923.48
Bill Pmt -Check	09/22/2020	1052	Klein, DeNatale, Goldner		2,216.20
Bill Pmt -Check	09/22/2020	1053	Woodard & Curran Inc		28,265.18
Payment	09/22/2020	309131	Groundwater Extraction Fees:Bolthouse Farms - Perkins Ranch	12,003.20	
Payment	09/22/2020	11355	Groundwater Extraction Fees:Cuyama Community Srvcs Dist	3,405.32	
Payment	09/22/2020	1077	Groundwater Extraction Fees:Harrington, Roy	5,185.14	
Payment	09/22/2020	7480	Groundwater Extraction Fees:Harrington, Roy	5,185.13	
Payment	09/22/2020	2502	Groundwater Extraction Fees:Harrington, Roy	5,185.13	
Payment	09/22/2020	101767	Groundwater Extraction Fees:Sunridge Nurseries, Inc	16,016.00	
Payment	09/22/2020	1807	Groundwater Extraction Fees:Tri-County Pistachios	41,441.40	
Payment	09/25/2020	5654	Groundwater Extraction Fees:Pal Ranch, Inc	462.00	
Payment	09/25/2020	17706	Groundwater Extraction Fees:Triangle E. Farms	34,211.90	
Payment	09/30/2020	482101	Groundwater Extraction Fees:E & B Natural Resources Mgmt ...	969.76	
Payment	09/30/2020	2773	Groundwater Extraction Fees:Russell, Jubel	119.24	
Payment	10/07/2020	001348	Groundwater Extraction Fees:Brodiaea, Inc	30,922.76	
Payment	10/07/2020	309546	Groundwater Extraction Fees:Bolthouse Farms	247,670.72	
Payment	10/07/2020	49812	Groundwater Extraction Fees:Cuyama Dairy Farm	21,799.80	
Payment	10/14/2020	20111	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	14,252.92	
Payment	10/21/2020	42394	Groundwater Extraction Fees:El Rancho Espanol	144.76	
Payment	11/04/2020	537	Groundwater Extraction Fees:Lewis, David	494.65	
Bill Pmt -Check	11/23/2020	1054	Daniells Phillips Vaughan & Bock		2,000.00
Bill Pmt -Check	11/23/2020	1055	HGCPM, Inc.		64,943.81
Bill Pmt -Check	11/23/2020	1056	Klein, DeNatale, Goldner		4,675.00
Bill Pmt -Check	11/23/2020	1057	Woodard & Curran Inc		61,942.11
Payment	12/01/2020	04-411379	Department of Water Resources	214,671.25	
Check	12/09/2020	1062	Cuyama Basin Water District	0.00	
Check	12/09/2020	1061	County of Ventura	0.00	
Check	12/09/2020	1060	County of San Luis Obispo	0.00	
Check	12/09/2020	1059	County of Kern	0.00	
Check	12/09/2020	1058	Cuyama Community Services District	0.00	
Check	12/17/2020	1063	Cuyama Basin Water District		310,974.00
Check	12/17/2020	1064	County of Ventura		14,814.00
Check	12/17/2020	1065	County of San Luis Obispo		14,814.00
Check	12/17/2020	1066	County of Kern		14,814.00
Check	12/17/2020	1067	Cuyama Community Services District		2,393.00
Total Chase - General Checking				1,161,450.65	736,545.24
TOTAL				**1,161,450.65**	**736,545.24**

CUYAMA BASIN GSA
A/R Aging Summary
As of December 31, 2020

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	102,549	0	0	0	133,219	235,768
Groundwater Extraction Fees						
Ceferino, Cheng	0	0	0	0	7,609	7,609
Cuyama Orchards, Inc	387	0	387	3,865	38,653	43,291
North Fork Cattle Co., LLC	0	0	0	0	2,181	2,181
Santa Barbara Highlands Vineyard	0	0	0	0	123,182	123,182
The Ranch	0	0	0	0	3,206	3,206
Total Groundwater Extraction Fees	387	0	387	3,865	174,832	179,470
TOTAL	**102,936**	**0**	**387**	**3,865**	**308,050**	**415,238**

CUYAMA BASIN GSA
A/P Aging Summary
As of December 31, 2020

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Daniells Phillips Vaughan & Bock	0	0	0	1,700	0	1,700
HGCPM, Inc.	26,732	0	28,739	37,199	0	92,670
Klein, DeNatale, Goldner	0	0	3,440	776	0	4,215
Woodard & Curran Inc	72,512	0	46,416	62,977	0	181,905
TOTAL	**99,243**	**0**	**78,595**	**102,651**	**0**	**280,489**

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
July through December 2020

	Jul - Dec 20	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Participant Contributions				
Refunded Assessments	-357,809	-357,813	4	100%
Total Participant Contributions	-357,809	-357,813	4	100%
Direct Public Funds				
Grants	261,964	328,500	-66,536	80%
Groundwater Extraction Fees	1,101,543	1,115,691	-14,148	99%
GWE Late Fees	22,441			
Total Direct Public Funds	1,385,948	1,444,191	-58,243	96%
Total Income	1,028,139	1,086,378	-58,239	95%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Technical Support - CAT 1	30,591	131,970	-101,379	23%
GSP Implementation - W&C	73,823	155,458	-81,635	47%
GSP Implementation - P&P	74,662	109,700	-35,038	68%
Indirect Economic Analysis	82,658	75,000	7,658	110%
Technical Support for DWR	0	16,112	-16,112	0%
Stakeholder Engagement	25,140	45,022	-19,882	56%
Outreach	3,356	9,027	-5,671	37%
Grant Administration	55,724	25,000	30,724	223%
Management Area Costs	819	19,406	-18,587	4%
Total Technical Consulting	346,774	586,695	-239,921	59%
Total Program Expenses	346,774	586,695	-239,921	59%
Total COGS	346,774	586,695	-239,921	59%
Gross Profit	681,365	499,683	181,682	136%
Expense				
General and Administrative				
GSA Executive Director				
GSA BOD Meetings	31,388	25,950	5,438	121%
Consult Mgmt and GSP Devel	37,613	20,400	17,213	184%
Financial Information Coor	28,444	8,726	19,718	326%
CBGSA Outreach	4,531	4,460	71	102%
Funding Process (GWE Fee)	12,163	9,430	2,733	129%
Management Area Admin	75	7,122	-7,047	1%
Support for DWR/Public Comments	0	600	-600	0%
Travel and Direct Costs	4,663	1,165	3,498	400%
Total GSA Executive Director	118,875	77,853	41,022	153%
Other Administrative				
Grant Proposals	0	27,000	-27,000	0%
Auditing/Accounting Fees	7,700	12,000	-4,300	64%
Legal	11,106	30,000	-18,894	37%
Total Other Administrative	18,806	69,000	-50,194	27%
Total General and Administrative	137,681	146,853	-9,172	94%
Total Expense	137,681	146,853	-9,172	94%
Net Ordinary Income	543,683	352,830	190,853	154%
Net Income	**543,683**	**352,830**	**190,853**	**154%**

CUYAMA BASIN GSA
2020/2021 Operating Budget
July 2020 through June 2021

	Jul '20 - Jun 21
Ordinary Income/Expense	
Income	
Participant Contributions	
Refunded Assessments	-357,813
Total Participant Contributions	-357,813
Direct Public Funds	
Grants	867,907
Groundwater Extraction Fees	1,115,691
Total Direct Public Funds	1,983,598
Total Income	1,625,785
Cost of Goods Sold	
Program Expenses	
Technical Consulting	
Technical Support - CAT 1	175,961
GSP Implementation - W&C	310,912
GSP Implementation - P&P	224,950
Indirect Economic Analysis	90,000
Technical Support for DWR	32,192
Support for Funding Mechanism	25,076
Stakeholder Engagement	90,052
Outreach	18,057
Grant Administration	50,020
Management Area Costs	38,816
Total Technical Consulting	1,056,036
Total Program Expenses	1,056,036
Total COGS	1,056,036
Gross Profit	569,749
Expense	
General and Administrative	
GSA Executive Director	
GSA BOD Meetings	51,900
Consult Mgmt and GSP Devel	40,800
Financial Information Coor	17,450
CBGSA Outreach	8,900
Funding Process (GWE Fee)	18,850
Management Area Admin	14,250
Support for DWR/Public Comments	1,200
Travel and Direct Costs	2,335
Total GSA Executive Director	155,685
Other Administrative	
Grant Proposals	40,400
Auditing/Accounting Fees	12,000
General & Mgmt Liab Insurance	11,000
Legal	60,000
Other Admin Expense	200
Contingency	20,000
Total Other Administrative	143,600
Total General and Administrative	299,285
Total Expense	299,285
Net Ordinary Income	270,464
Net Income	**270,464**

Cuyama Basin GSA

Financial Statements

January 2021

CUYAMA BASIN GSA
Statement of Financial Position
As of January 31, 2021

	Jan 31, 21	Jan 31, 20	$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
Chase - General Checking	816,046	132,836	683,210	514%
Total Checking/Savings	816,046	132,836	683,210	514%
Accounts Receivable				
Accounts Receivable	215,135	526,859	-311,724	-59%
Total Accounts Receivable	215,135	526,859	-311,724	-59%
Other Current Assets				
Grant Retention Receivable	247,851	196,071	51,779	26%
Total Other Current Assets	247,851	196,071	51,779	26%
Total Current Assets	1,279,032	855,767	423,265	50%
TOTAL ASSETS	**1,279,032**	**855,767**	**423,265**	**50%**
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
Accounts Payable	236,502	208,914	27,588	13%
Total Accounts Payable	236,502	208,914	27,588	13%
Total Current Liabilities	236,502	208,914	27,588	13%
Total Liabilities	236,502	208,914	27,588	13%
Equity				
Unrestricted Net Assets	636,105	518,924	117,181	23%
Net Income	406,425	127,928	278,496	218%
Total Equity	1,042,530	646,853	395,677	61%
TOTAL LIABILITIES & EQUITY	**1,279,032**	**855,767**	**423,265**	**50%**

CUYAMA BASIN GSA
Receipts and Disbursements
As of January 31, 2021

Type	Date	Num	Name	Debit	Credit
Chase - General Checking					
Bill Pmt -Check	07/20/2020	1037	HGCPM, Inc.		40,896.65
Bill Pmt -Check	07/20/2020	1038	Klein, DeNatale, Goldner		7,325.50
Bill Pmt -Check	07/20/2020	1039	Woodard & Curran Inc		60,421.23
Check	08/25/2020	1040	Groundwater Extraction Fees:El Rancho Espanol		13.30
Check	08/25/2020	1041	Groundwater Extraction Fees:Walking U Ranch	0.00	
Check	08/25/2020	1042	Groundwater Extraction Fees:Holder Cattle Co, LLC		19.00
Check	08/25/2020	1043	Groundwater Extraction Fees:Cooper's Petroleum Dist, Inc		19.00
Check	08/25/2020	1044	Groundwater Extraction Fees:Navarro, Modesto	0.00	
Check	08/25/2020	1045	Groundwater Extraction Fees:Walking U Ranch		17.54
Check	08/25/2020	1046	Groundwater Extraction Fees:Navarro, Modesto		19.00
Bill Pmt -Check	08/25/2020	1047	HGCPM, Inc.		27,608.86
Bill Pmt -Check	08/25/2020	1048	Klein, DeNatale, Goldner		3,701.00
Bill Pmt -Check	08/25/2020	1049	Woodard & Curran Inc		34,729.38
Payment	09/04/2020	2534	Groundwater Extraction Fees:Harrington Farms	5,940.00	
Payment	09/10/2020	46673	Groundwater Extraction Fees:Feinstein Investments	7,667.00	
Payment	09/10/2020	1265	Groundwater Extraction Fees:Cuyama Mutual Water Co.	202.40	
Payment	09/10/2020	2015	Groundwater Extraction Fees:Pine Mountain Buddhist Temple	129.41	
Payment	09/10/2020	399552	Groundwater Extraction Fees:Grimmway Enterprises, Inc	347,440.27	
Payment	09/16/2020	1029	Groundwater Extraction Fees:Stone Pine Estate	176.00	
Payment	09/16/2020	78787	Groundwater Extraction Fees:H Lima Company	176.53	
Payment	09/16/2020	241	Groundwater Extraction Fees:Lucky Dog Ranch, LLC	12,498.20	
Payment	09/16/2020	3753	Groundwater Extraction Fees:Sunrise Olive Ranch, LLC	47,300.00	
Payment	09/16/2020	150337	Groundwater Extraction Fees:Kern Ridge Growers, LLC	68,553.76	
Payment	09/16/2020	8290	Groundwater Extraction Fees:JHP Global, Inc	17,226.00	
Bill Pmt -Check	09/22/2020	1050	Daniells Phillips Vaughan & Bock		4,000.00
Bill Pmt -Check	09/22/2020	1051	HGCPM, Inc.		35,923.48
Bill Pmt -Check	09/22/2020	1052	Klein, DeNatale, Goldner		2,216.20
Bill Pmt -Check	09/22/2020	1053	Woodard & Curran Inc		28,265.18
Payment	09/22/2020	309131	Groundwater Extraction Fees:Bolthouse Farms - Perkins Ranch	12,003.20	
Payment	09/22/2020	11355	Groundwater Extraction Fees:Cuyama Community Srvcs Dist	3,405.32	
Payment	09/22/2020	1077	Groundwater Extraction Fees:Harrington, Roy	5,185.14	
Payment	09/22/2020	7480	Groundwater Extraction Fees:Harrington, Roy	5,185.13	
Payment	09/22/2020	2502	Groundwater Extraction Fees:Harrington, Roy	5,185.13	
Payment	09/22/2020	101767	Groundwater Extraction Fees:Sunridge Nurseries, Inc	16,016.00	
Payment	09/22/2020	1807	Groundwater Extraction Fees:Tri-County Pistachios	41,441.40	
Payment	09/25/2020	5654	Groundwater Extraction Fees:Pal Ranch, Inc	462.00	
Payment	09/25/2020	17706	Groundwater Extraction Fees:Triangle E. Farms	34,211.90	
Payment	09/30/2020	482101	Groundwater Extraction Fees:E & B Natural Resources Mgmt Corp	969.76	
Payment	09/30/2020	2773	Groundwater Extraction Fees:Russell, Jubel	119.24	
Payment	10/07/2020	001348	Groundwater Extraction Fees:Brodiaea, Inc	30,922.76	
Payment	10/07/2020	309546	Groundwater Extraction Fees:Bolthouse Farms	247,670.72	
Payment	10/07/2020	49812	Groundwater Extraction Fees:Cuyama Dairy Farm	21,799.80	
Payment	10/14/2020	20111	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	14,252.92	
Payment	10/21/2020	42394	Groundwater Extraction Fees:El Rancho Espanol	144.76	
Payment	11/04/2020	537	Groundwater Extraction Fees:Lewis, David	494.65	
Bill Pmt -Check	11/23/2020	1054	Daniells Phillips Vaughan & Bock		2,000.00
Bill Pmt -Check	11/23/2020	1055	HGCPM, Inc.		64,943.81
Bill Pmt -Check	11/23/2020	1056	Klein, DeNatale, Goldner		4,675.00
Bill Pmt -Check	11/23/2020	1057	Woodard & Curran Inc		61,942.11
Payment	12/01/2020	04-411379	Department of Water Resources	214,671.25	
Check	12/09/2020	1062	Cuyama Basin Water District	0.00	
Check	12/09/2020	1061	County of Ventura	0.00	
Check	12/09/2020	1060	County of San Luis Obispo	0.00	
Check	12/09/2020	1059	County of Kern	0.00	
Check	12/09/2020	1058	Cuyama Community Services District	0.00	
Check	12/17/2020	1063	Cuyama Basin Water District		310,974.00
Check	12/17/2020	1064	County of Ventura		14,814.00
Check	12/17/2020	1065	County of San Luis Obispo		14,814.00
Check	12/17/2020	1066	County of Kern		14,814.00
Check	12/17/2020	1067	Cuyama Community Services District		2,393.00
Bill Pmt -Check	01/20/2021	1068	Daniells Phillips Vaughan & Bock		1,700.00
Bill Pmt -Check	01/20/2021	1069	HGCPM, Inc.		65,938.29
Bill Pmt -Check	01/20/2021	1070	Klein, DeNatale, Goldner		4,215.00
Bill Pmt -Check	01/20/2021	1071	Woodard & Curran Inc		109,392.92
Payment	01/26/2021	44757	Groundwater Extraction Fees:Santa Barbara Highlands Vineyard	74,543.04	
Payment	01/29/2021	04-443211	Department of Water Resources	125,559.53	
Total Chase - General Checking				1,361,553.22	917,791.45
TOTAL				**1,361,553.22**	**917,791.45**

CUYAMA BASIN GSA
A/R Aging Summary
As of January 31, 2021

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	0	0	102,549	0	7,659	110,208
Groundwater Extraction Fees						
Ceferino, Cheng	0	0	0	0	7,609	7,609
Cuyama Orchards, Inc	0	0	387	387	42,518	43,291
North Fork Cattle Co., LLC	0	0	0	0	2,181	2,181
Santa Barbara Highlands Vineyard	0	0	0	0	48,639	48,639
The Ranch	0	0	0	0	3,206	3,206
Total Groundwater Extraction Fees	0	0	387	387	104,154	104,927
TOTAL	**0**	**0**	**102,936**	**387**	**111,813**	**215,135**

CUYAMA BASIN GSA
A/P Aging Summary
As of January 31, 2021

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
CA Assoc of Mutual Water Companies	0	100	0	0	0	100
HGCPM, Inc.	38,657	0	26,732	0	0	65,389
Klein, DeNatale, Goldner	4,030	0	0	0	0	4,030
Woodard & Curran Inc	94,472	0	72,512	0	0	166,983
TOTAL	**137,159**	**100**	**99,243**	**0**	**0**	**236,502**

CUYAMA BASIN GSA
Statement of Operations with Budget Variance
July 2020 through January 2021

	Jul '20 - Jan 21	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Participant Contributions				
Refunded Assessments	-357,809	-357,813	4	100%
Total Participant Contributions	-357,809	-357,813	4	100%
Direct Public Funds				
Grants	261,964	328,500	-66,536	80%
Groundwater Extraction Fees	1,101,543	1,115,691	-14,148	99%
GWE Late Fees	22,441			
Total Direct Public Funds	1,385,948	1,444,191	-58,243	96%
Total Income	1,028,139	1,086,378	-58,239	95%
Cost of Goods Sold				
Program Expenses				
Technical Consulting				
Technical Support - CAT 1	57,004	175,961	-118,957	32%
GSP Implementation - W&C	108,606	181,367	-72,761	60%
GSP Implementation - P&P	94,343	131,650	-37,307	72%
Indirect Economic Analysis	89,982	90,000	-18	100%
Technical Support for DWR	0	18,792	-18,792	0%
Stakeholder Engagement	32,743	52,527	-19,784	62%
Outreach	4,424	10,532	-6,108	42%
Grant Administration	73,006	29,170	43,836	250%
Management Area Costs	819	22,641	-21,822	4%
Total Technical Consulting	460,926	712,640	-251,714	65%
Total Program Expenses	460,926	712,640	-251,714	65%
Total COGS	460,926	712,640	-251,714	65%
Gross Profit	567,212	373,738	193,474	152%
Expense				
General and Administrative				
GSA Executive Director				
GSA BOD Meetings	39,744	30,275	9,469	131%
Consult Mgmt and GSP Devel	43,163	23,800	19,363	181%
Financial Information Coor	31,650	10,180	21,470	311%
CBGSA Outreach	4,931	5,200	-269	95%
Funding Process (GWE Fee)	12,988	11,000	1,988	118%
Management Area Admin	75	8,310	-8,235	1%
Support for DWR/Public Comments	0	700	-700	0%
Travel and Direct Costs	5,301	1,360	3,941	390%
Total GSA Executive Director	137,851	90,825	47,026	152%
Other Administrative				
Grant Proposals	0	40,400	-40,400	0%
Auditing/Accounting Fees	7,700	12,000	-4,300	64%
Legal	15,136	35,000	-19,864	43%
Other Admin Expense	100	200	-100	50%
Total Other Administrative	22,936	87,600	-64,664	26%
Total General and Administrative	160,787	178,425	-17,638	90%
Total Expense	160,787	178,425	-17,638	90%
Net Ordinary Income	406,425	195,313	211,112	208%
Net Income	**406,425**	**195,313**	**211,112**	**208%**

CUYAMA BASIN GSA
2020/2021 Operating Budget
July 2020 through June 2021

	Jul '20 - Jun 21
Ordinary Income/Expense	
Income	
Participant Contributions	
Refunded Assessments	-357,813
Total Participant Contributions	-357,813
Direct Public Funds	
Grants	867,907
Groundwater Extraction Fees	1,115,691
Total Direct Public Funds	1,983,598
Total Income	1,625,785
Cost of Goods Sold	
Program Expenses	
Technical Consulting	
Technical Support - CAT 1	175,961
GSP Implementation - W&C	310,912
GSP Implementation - P&P	224,950
Indirect Economic Analysis	90,000
Technical Support for DWR	32,192
Support for Funding Mechanism	25,076
Stakeholder Engagement	90,052
Outreach	18,057
Grant Administration	50,020
Management Area Costs	38,816
Total Technical Consulting	1,056,036
Total Program Expenses	1,056,036
Total COGS	1,056,036
Gross Profit	569,749
Expense	
General and Administrative	
GSA Executive Director	
GSA BOD Meetings	51,900
Consult Mgmt and GSP Devel	40,800
Financial Information Coor	17,450
CBGSA Outreach	8,900
Funding Process (GWE Fee)	18,850
Management Area Admin	14,250
Support for DWR/Public Comments	1,200
Travel and Direct Costs	2,335
Total GSA Executive Director	155,685
Other Administrative	
Grant Proposals	40,400
Auditing/Accounting Fees	12,000
General & Mgmt Liab Insurance	11,000
Legal	60,000
Other Admin Expense	200
Contingency	20,000
Total Other Administrative	143,600
Total General and Administrative	299,285
Total Expense	299,285
Net Ordinary Income	270,464
Net Income	**270,464**

TO: Board of Directors
Agenda Item No. 11

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Approval of the 2021 Annual Report

Issue
Consider approval of the 2021 Annual Report.

Recommended Motion
Approve the 2021 Annual Report.

Discussion
The Sustainable Groundwater Management Act (SGMA) requires an Annual Report be submitted to the California Department of Water Resources (DWR) to provide progress updates on objectives outlined in the Groundwater Sustainability Plan.

The 2021 Annual Report is due to DWR on April 1, 2021 and covers the 2020 water year.

Attachment 1 provides summary information of the annual report components and the draft 2021 Annual Report is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

Approval of the 2021 Annual Report

March 3, 2021

WOODARD &CURRAN

Annual Report Timeline

- DWR's GSP Emergency Regulations require that an Annual Report be submitted each year by April 1.
- We are requesting approval of the Annual Report by the CBGSA Board at the March 3, 2021 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

WOODARD &CURRAN

Annual Report Components

4. Estimated Water Use
   a) Includes estimates of groundwater extraction, surface water use and total water use for the preceding year (2020)
5. Change in Groundwater Storage
   4. Includes water budget estimate and change in groundwater storage map for the preceding year (2020)
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 2020
- Groundwater model update
  - Historical model period extended through 2020 (previously was simulated for 1998-2019)
    - No change will be made to the model calibration
  - Updated land use, precipitation and evapotranspiration data collected for 2020
    - Updated land use data has been provided for 2020 period by Bolthouse and Grimmway. Other key landowners have confirmed no change relative to 2019.

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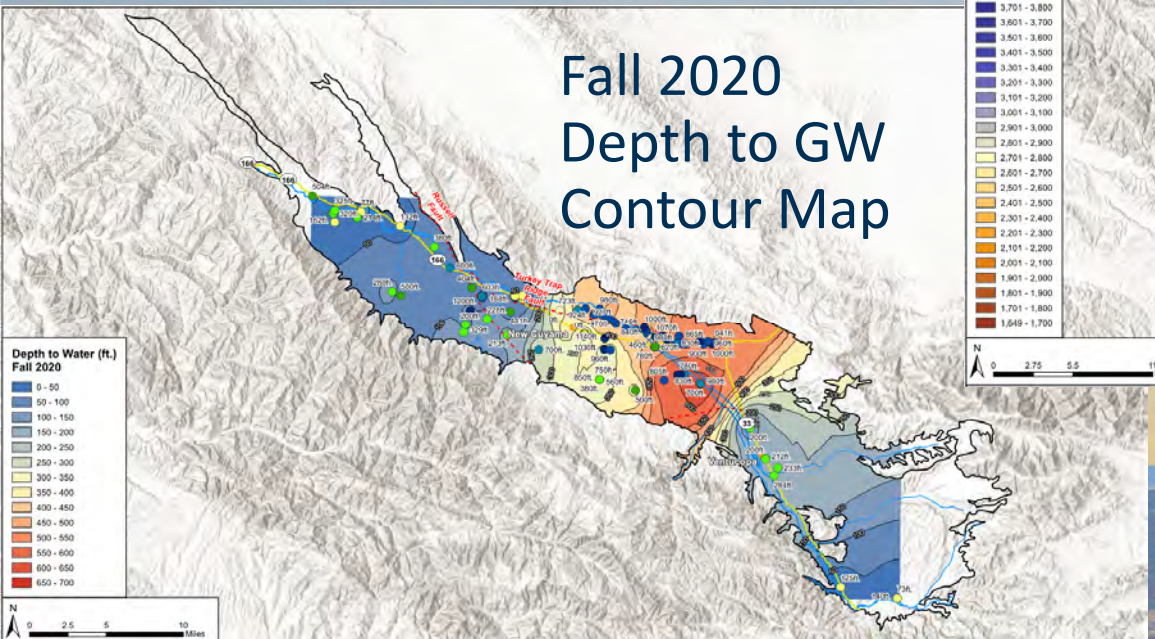
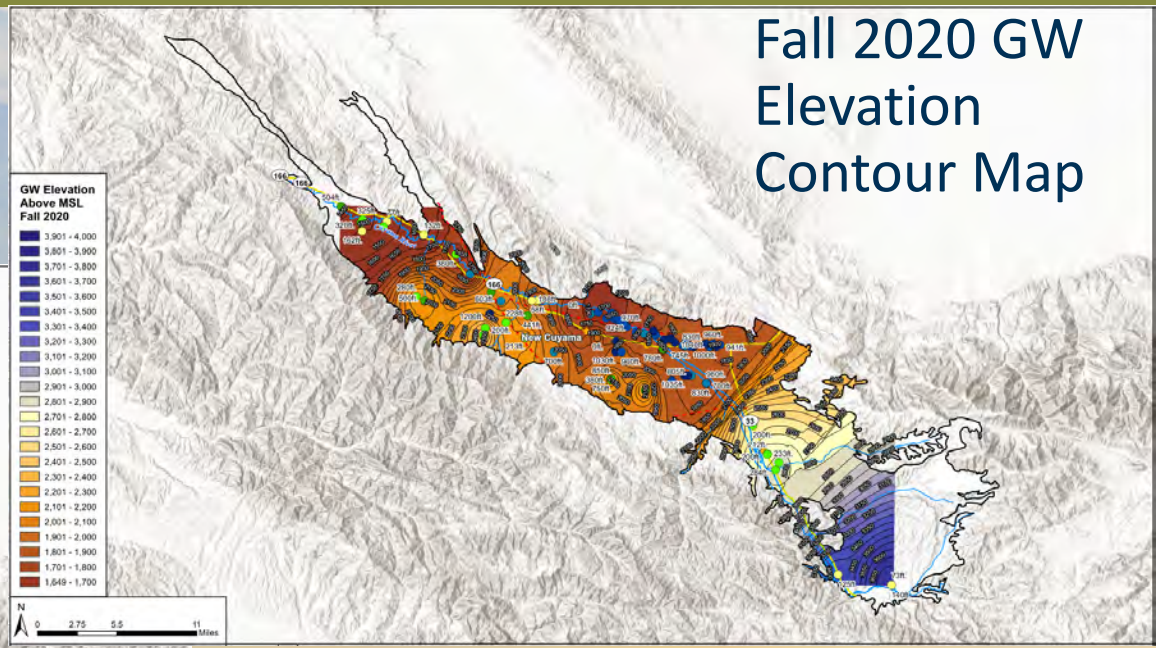
Updated Groundwater Conditions Figures

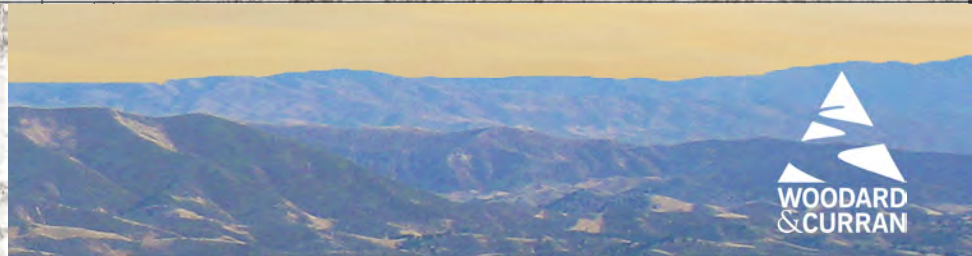
Updated Contour Maps were created for 2020 (Spring and Fall)

Fall 2020 Depth to GW Contour Map

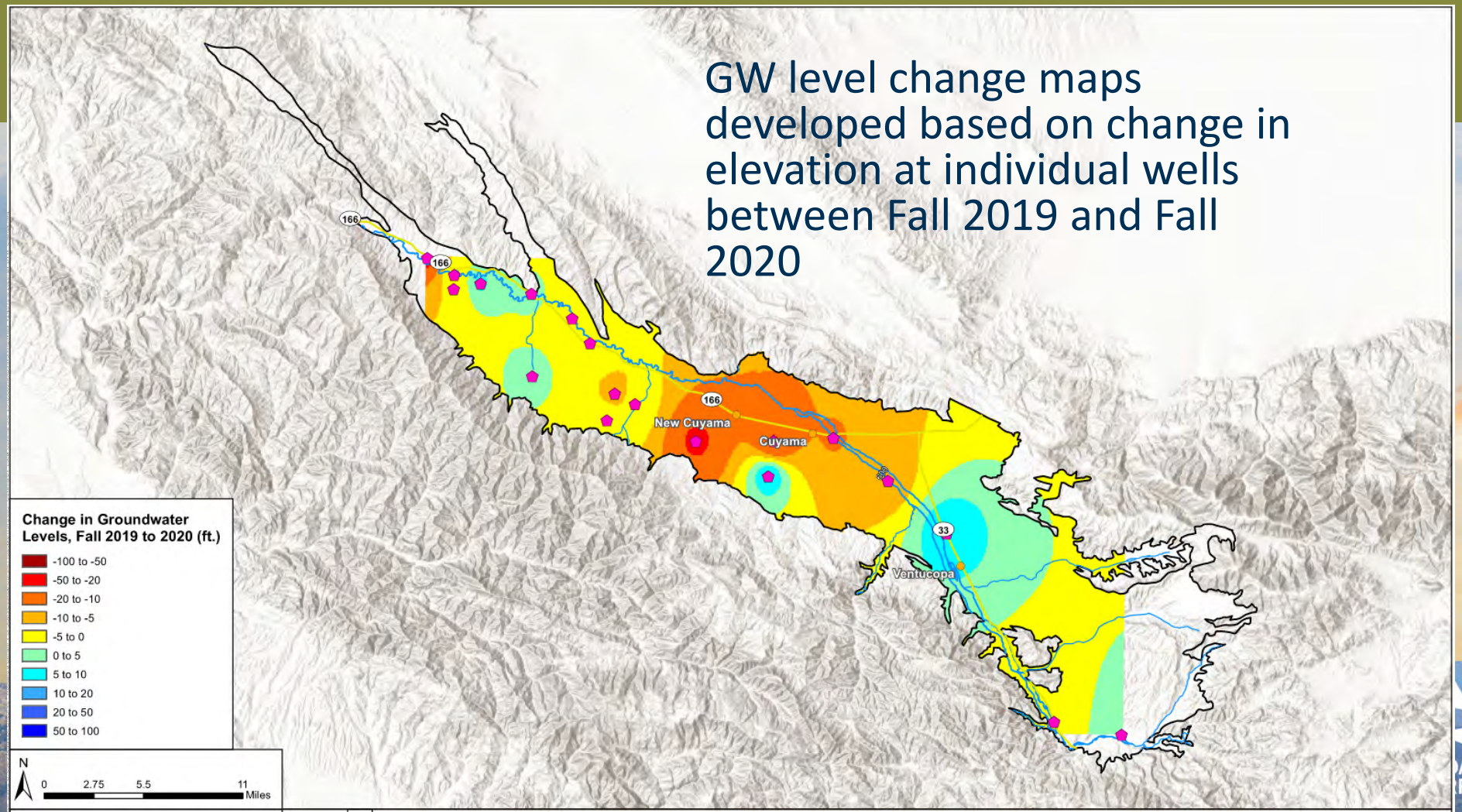


Fall 2020 GW Elevation Contour Map



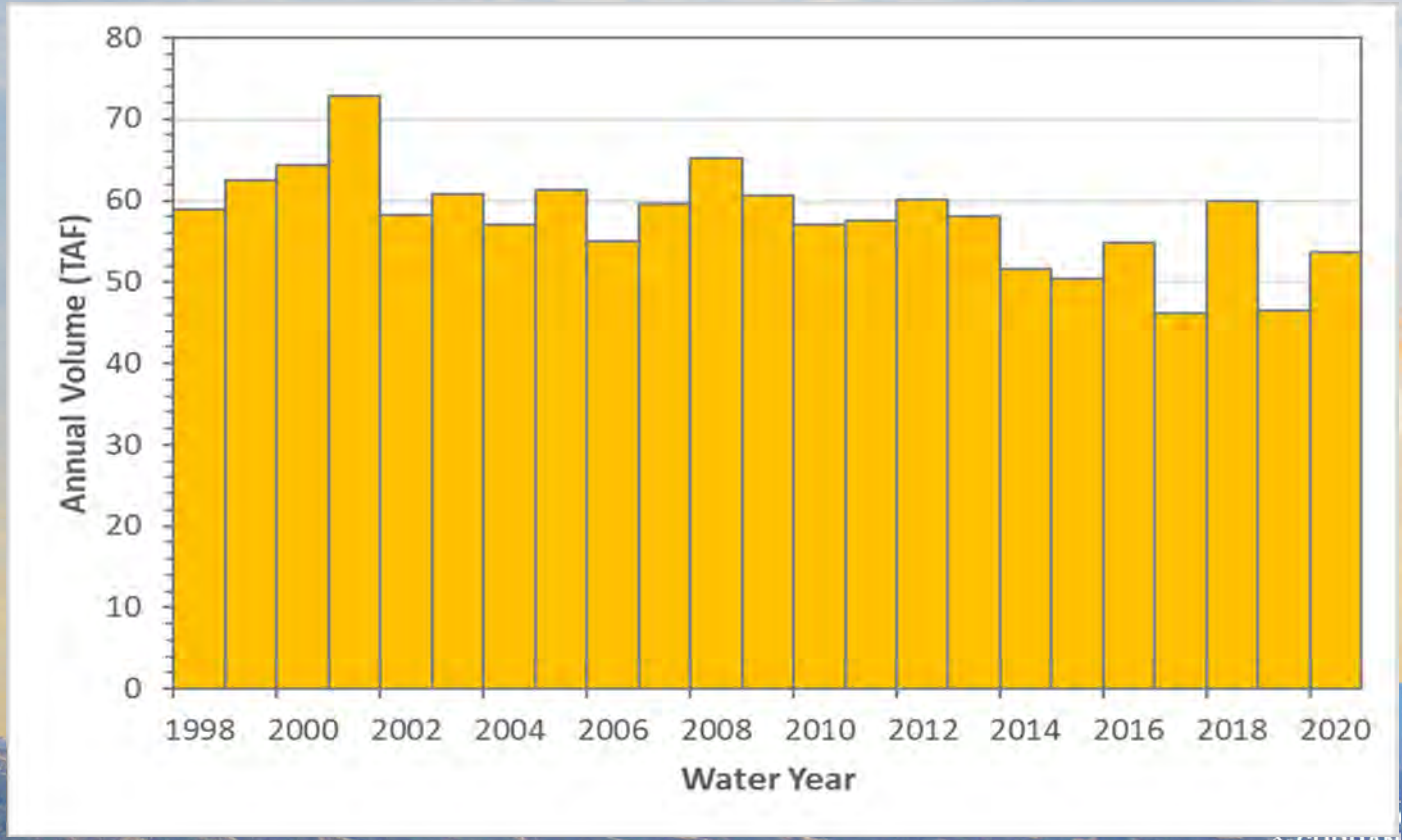


Change in Groundwater Levels from 2019 to 2020



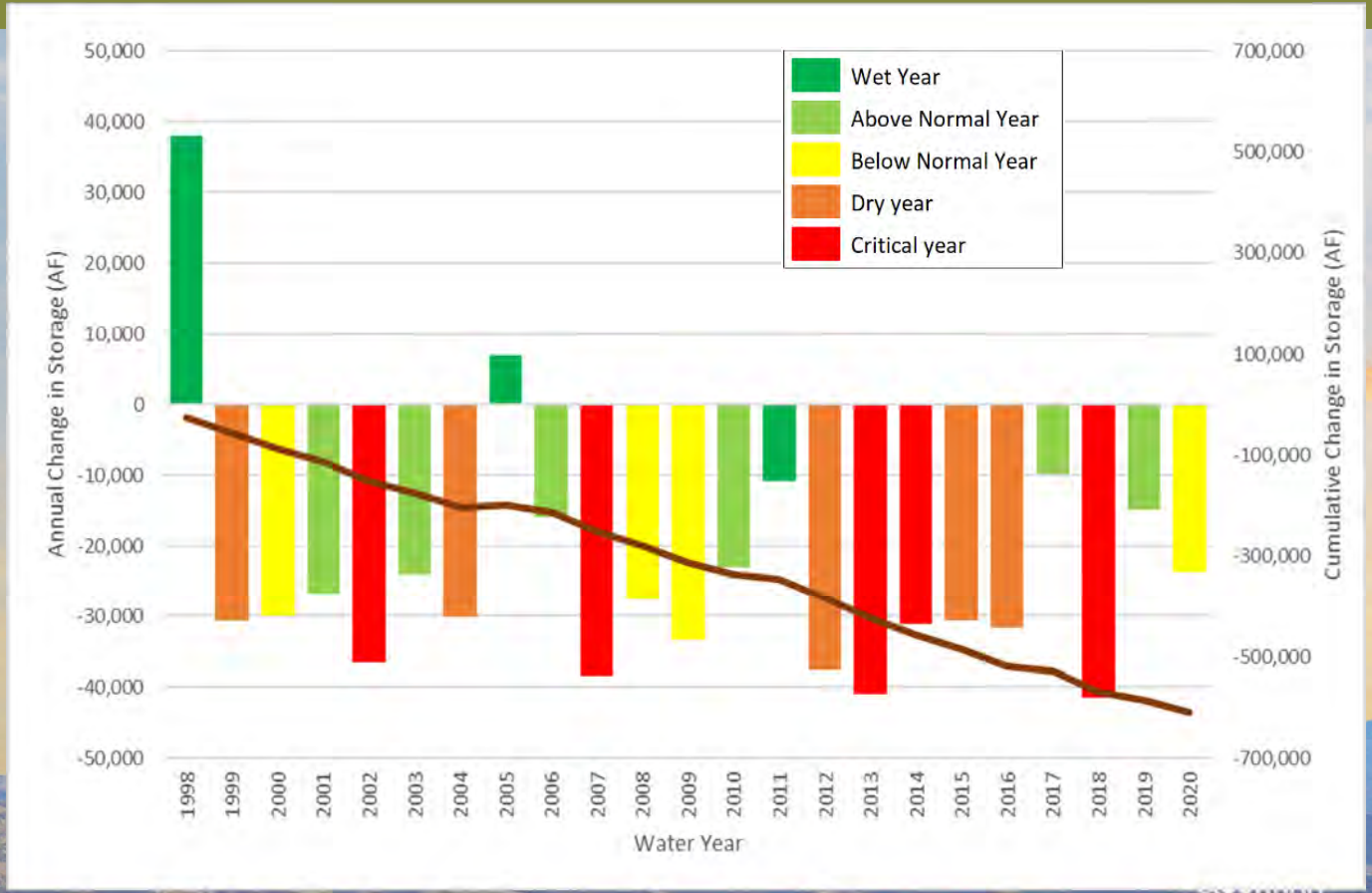
Estimated Groundwater Extraction

- Figure has been updated to include 2020
- Estimated groundwater extractions
  - 2019: 46,500 AF
  - 2020: 53,600 AF



Change in Groundwater Storage

- Figure has been updated to include 2020
- Estimated change in storage
  - 2019: -14,800 AF
  - 2020: -23,600 AF



Cuyama Basin Groundwater Sustainability Plan— 2021 Annual Report - Draft

Prepared by:

March 2021

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Tables

Figures

Appendices

Abbreviations and Acronyms

AF	acre-feet
CBGSA	Cuyama Basin Groundwater Sustainability Agency
CBWD	Cuyama Basin Water District
CBWRM	Cuyama Basin Water Resources Model
CCSD	Cuyama Community Services District
DMS	Data Management System
DWR	California Department of Water Resources
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
SAC	Standing Advisory Committee
SBCWA	Santa Barbara County Water Agency
SGMA	Sustainability Groundwater Management Act
SR	State Route
TSS	Technical Support Services
USGS	United States Geological Survey

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ES-1 Executive Summary

§356.2 (a)	General information, including an executive summary and a location map depicting the basin covered by the report.

ES-2 Introduction

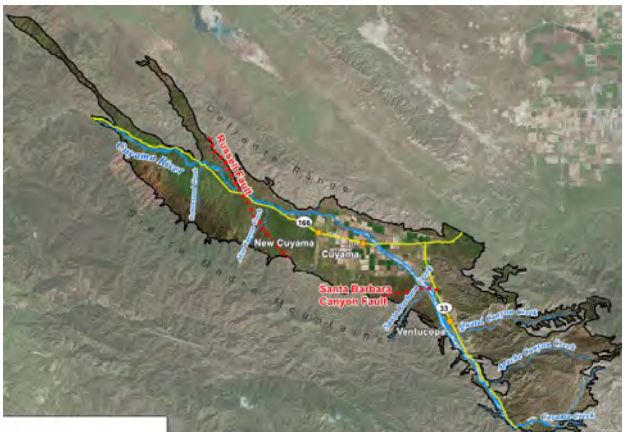
In 2014, the California legislature enacted the Sustainable Groundwater Management Act (SGMA) in response to continued overdraft of California's groundwater resources. The Cuyama Groundwater Basin (Basin) is one of 21 basins and subbasins identified by the California Department of Water Resources (DWR) as being in a state of critical overdraft. SGMA requires that a Groundwater Sustainability Plan (GSP) be prepared to address the measures necessary to attain sustainable conditions in the Cuyama Groundwater Basin. Within the framework of SGMA, sustainability is generally defined as the conditions that result in long-term reliability of groundwater supply and the absence of undesirable results.

In response to SGMA, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) was formed in 2017. The CBGSA is a joint-powers agency that is comprised of Kern, Santa Barbara, San Luis Obispo and Ventura Counties, plus the Cuyama Community Services District and the Cuyama Basin Water District. The CBGSA is governed by an 11-member Board of Directors, with one representative from Kern, San Luis Obispo and Ventura counties, two representatives from Santa Barbara County, one member from the Cuyama Community Services District, and five members from the Cuyama Basin Water District.

The Draft Cuyama Basin GSP was adopted on December 4, 2019 by the CBGSA and submitted to DWR on January 28, 2020. SGMA requires that the CBGSA develop a GSP that achieves groundwater sustainability in the Basin by the year 2040.

The jurisdictional area of the CBGSA is defined by DWR's Bulletin 118, 2013, the 2016 Interim Update, and the latest 2020 update. The Cuyama Groundwater Basin generally underlies the Cuyama Valley, as shown in **Figure ES-1**.

Figure ES-1: GSP Plan Area



ES-3 Groundwater Conditions

The Annual Report for the 2020 water year includes groundwater contours for Spring and Fall of 2020, and updated hydrographs for the groundwater level monitoring network identified in the Cuyama Basin GSP. The Cuyama Basin consists of a single principal aquifer, and water levels in Basin monitoring wells are considered representative of conditions in that aquifer. Groundwater levels in some portions of the Basin have been declining for many years while other areas of the Basin have experienced no significant change in groundwater levels. Groundwater levels vary across the Basin, with the highest depth to water occurring in the central portion of the Basin (**Figure ES-2**). The western and eastern portions of the Basin have generally shallower depth to water. Generally, depth to water and groundwater elevation in 2020 have not changed substantially from 2019 levels and elevations.

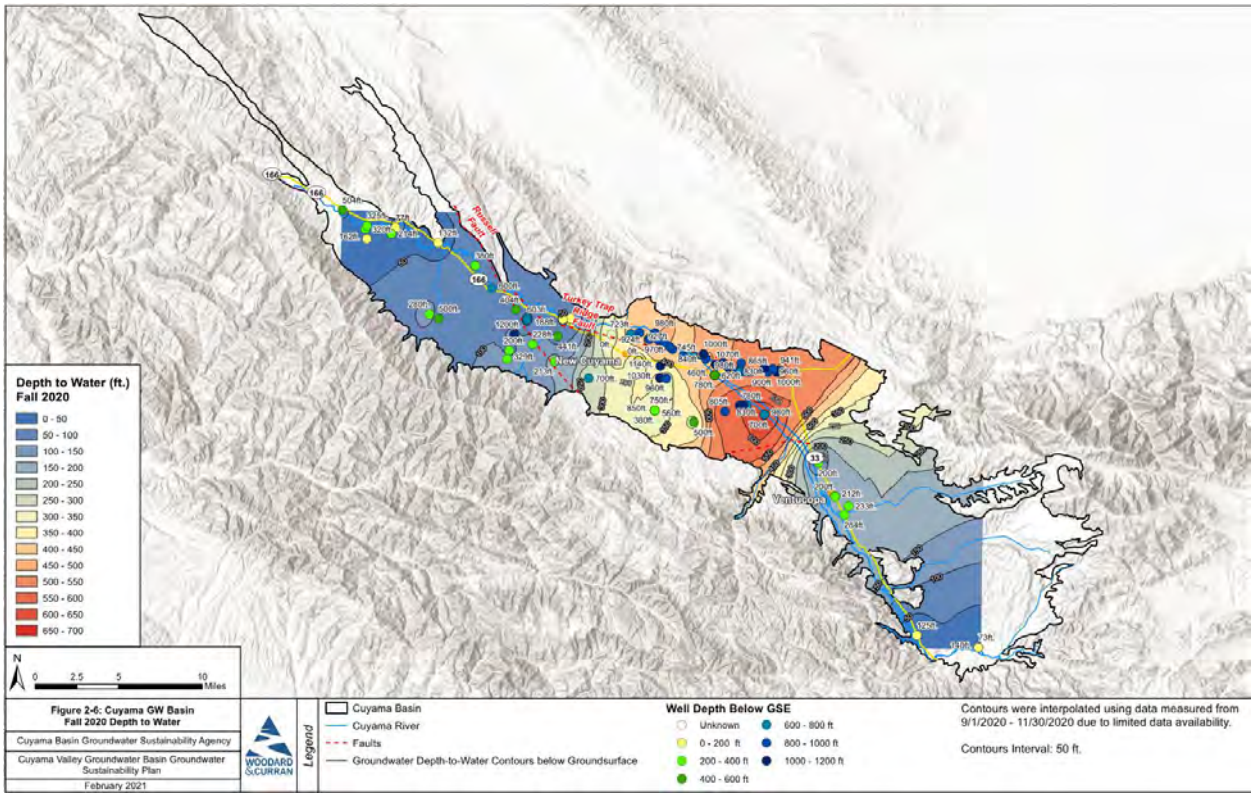


Figure ES-2: Cuyama Basin Depth to Water Contour Map (Fall 2020)

ES-4 Water Use

The Cuyama Groundwater Basin is supplied entirely by groundwater, with virtually no surface water use. Groundwater pumping in the Basin is estimated to have been about 46,000 acre-feet (AF) in 2019 and about 54,000 AF in 2020. While 2018 had reflected a more average trend in groundwater pumping, 2019 was among the lowest in the 22-year period since 1998. Groundwater pumping in 2020 increased relative to 2019 due to a reduction in the amount of idled agricultural land and a reduction in the amount of precipitation. (See **Figure ES-3**).

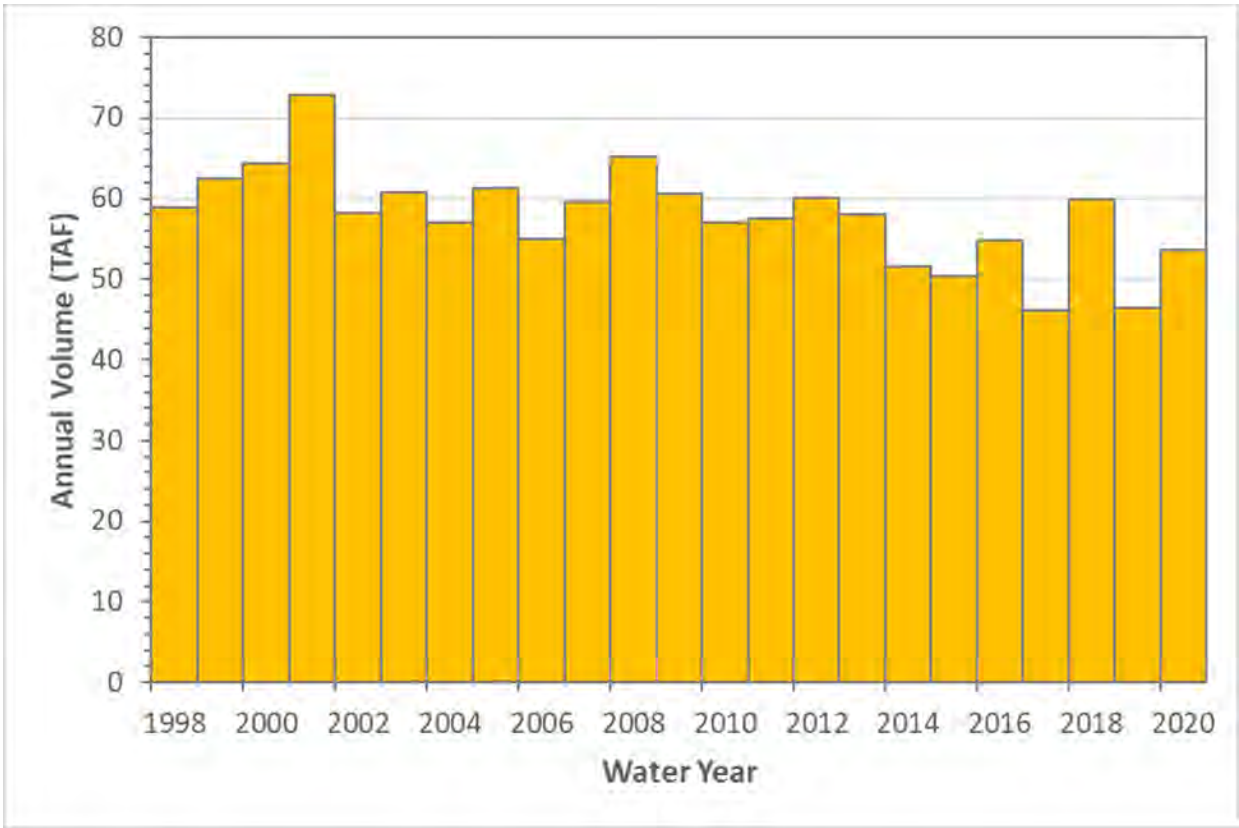


Figure ES-3: Annual Groundwater Extraction in the Cuyama Basin in Water Years 1998-2019

ES-5 Change in Groundwater Storage

It is estimated that there were reductions in Basin groundwater storage of 14,900 AF in 2019 and 23,600 AF in 2020. This continues the long-term trend in groundwater storage reduction in the Basin since 1999. **Figure ES-4** shows the historical change in groundwater storage by year, water year type,[1] and cumulative water volume in each year for the period from 1998 through 2020.

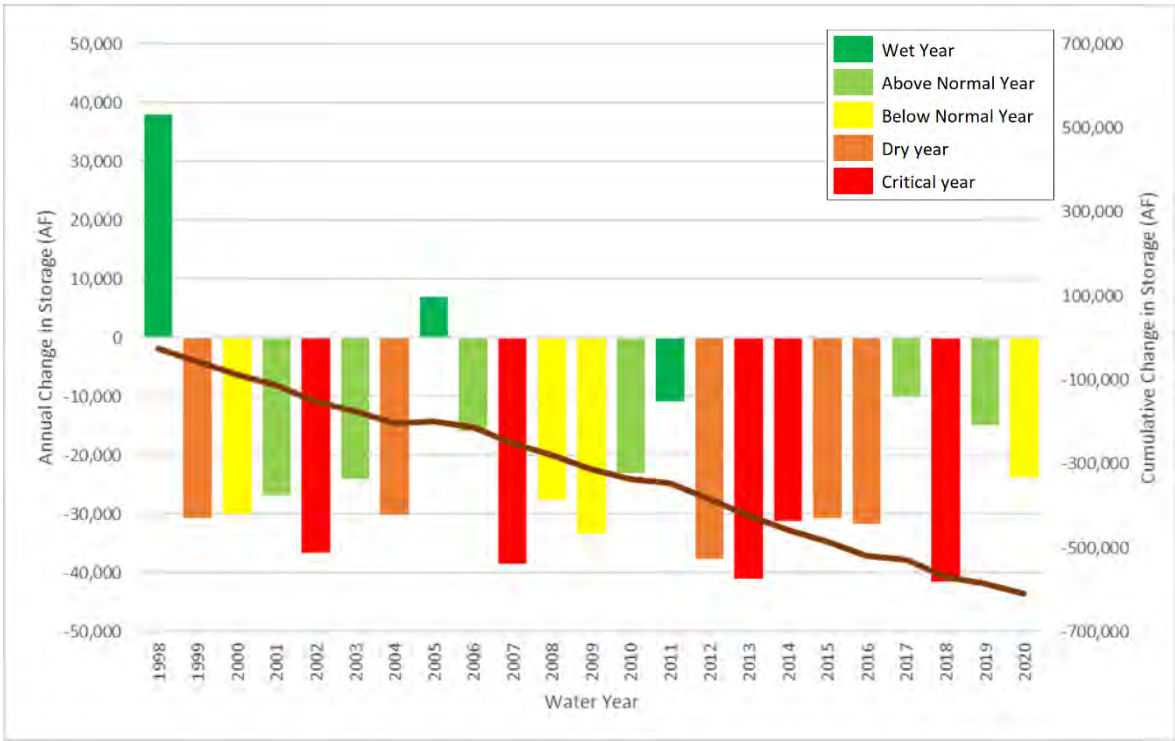


Figure ES-4: Change in Groundwater Storage by Year, Water Year Type, and Cumulative Water Volume

[1] Water year types are customized for the Basin watershed based on annual precipitation as follows:

- Wet year = more than 19.6 inches
- Above normal year = 13.1 to 19.6 inches
- Below normal year = 9.85 to 13.1 inches
- Dry year = 6.6 to 9.85 inches
- Critical year = less than 6.6 inches.

ES-6 Plan Implementation

The following plan implementation activities were accomplished in 2020:

- Approval of a groundwater extraction fee and supplemental fee, which is expected to generate $1,533,016 in revenue to cover the administrative costs of the CBGSA for the period from January 1, 2020 through June 30, 2021.
- A total of 12 public meetings were conducted at which GSP development and implementation was discussed.
- The Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board began implementation of the groundwater levels monitoring network, includes monthly monitoring at each monitoring well. This supplements ongoing efforts to install continuous monitoring equipment in wells and surface flow gages under an ongoing DWR grant. In addition, the CBGSA is pursuing DWR Technical Support Services assistance to install three new monitoring wells.
- The CBGSA applied for a Proposition 68 Groundwater Sustainability Implementation Grant for $5 million in funding for implementation activities. In addition, the Cuyama Community Services District (CCSD) procured grant funding from DWR's Integrated Regional Water Management (IRWM) program to install a new production well.
- The GSA continued to coordinate with DWR on the development and preparations required for the Technical Support Services for the installation of 3 additional multicompetent wells in the Basin.
- The GSA is currently working with the United States Geological Survey (USGS) to install two new streamflow gauges on the Cuyama River. These should be installed during 2021.
- An agreement was executed between the CBGSA and Cuyama Basin Water District (CBWD) for the CBWD to administer management actions in the Central Basin management area.

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Section 1. Introduction

§356.2 (a)	General information, including an executive summary and a location map depicting the basin covered by the report.

1.1 Introduction and Agency Information

This section describes the Cuyama Basin Groundwater Sustainability Agency (CBGSA), its authority in relation to the Sustainable Groundwater Management Act (SGMA), and the purpose of this Annual Report.

This Annual Report meets regulatory requirements established by the California Department of Water Resources (DWR) as provided in Article 7 of the California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2.

The CBGSA was created by a Joint Exercise of Powers Agreement among the following agencies:

- Counties of Kern, San Luis Obispo, and Ventura
- Santa Barbara County Water Agency (SBCWA), representing the County of Santa Barbara
- Cuyama Basin Water District (CBWD)
- Cuyama Community Services District (CCSD)

The CBGSA Board of Directors includes the following individuals:

- Derek Yurosek – Chairperson, CBWD
- Lynn Compton – Vice Chairperson, County of San Luis Obispo
- Byron Albano – CBWD
- Cory Bantilan – SBCWA
- Tom Bracken – CBWD
- George Cappello – CBWD
- Paul Chounet –CCSD
- Zack Scrivner – County of Kern
- Glenn Shephard – County of Ventura
- Das Williams – SBCWA
- Jane Wooster – CBWD

The CBGSA's established boundary corresponds to DWR's California's Groundwater Bulletin 118 – Update 2003 (Bulletin 118) groundwater basin boundary for the Cuyama Valley Groundwater Basin (Basin) (DWR, 2003). No additional areas were incorporated.

1.1.1 Management Structure

The CBGSA is governed by an 11-member Board of Directors that meets bi-monthly (i.e. 6 times a year). A General Manager manages day-to-day operations of the CBWD, while Board Members vote on actions of the CBGSA; the Board is the CBGSA's decision-making body. The Board also formed a Standing Advisory Committee comprised of 11 stakeholders to provide recommendations to the Board on key technical issues which also meets regularly.

1.1.2 Legal Authority

Per Section 10723.8(a) of the California Water Code, the Santa Barbara County Water Agency (SBCWA) gave notice to DWR on behalf of the CBGSA of its decision to form a GSA, which is Basin 3-013, per DWR's Bulletin 118.

1.1.3 Groundwater Sustainability Plan

The CBGSA Board of Directors approved the first iteration of the Cuyama Groundwater Sustainability Plan (GSP) on December 4, 2019. The GSP was submitted to DWR for approval on January 28, 2020 and is available for viewing online at http://cuyamabasin.org/.

1.2 Plan Area

Figure 1-1 shows the Basin and its key geographic features. The Basin encompasses an area of about 378 square miles[2] and includes the communities of New Cuyama and Cuyama, which are located along State Route (SR) 166, and Ventucopa, which is located along SR 33. The Basin encompasses an approximately 55-mile stretch of the Cuyama River, which runs through the Basin for much of its extent before leaving the Basin to the northwest and flowing toward the Pacific Ocean. The Basin also encompasses stretches of Wells Creek in its north-central area, Santa Barbara Creek in the south-central area, the Quatal Canyon drainage and Cuyama Creek in the southern area of the Basin. Most of the agriculture in the Basin occurs in the central portion east of New Cuyama, and along the Cuyama River near SR 33 through Ventucopa.

Figure 1-2 shows the CBGSA boundary. The CBGSA boundary covers all of the Cuyama Valley Groundwater Basin.

[2] The current Bulletin 118 section on the Cuyama Valley Groundwater Basin incorrectly states that the Basin area is 230 square miles. The estimate of 378 square miles shown here and in the GSP is consistent with the mapping shown on DWR's GSA Map Viewer.

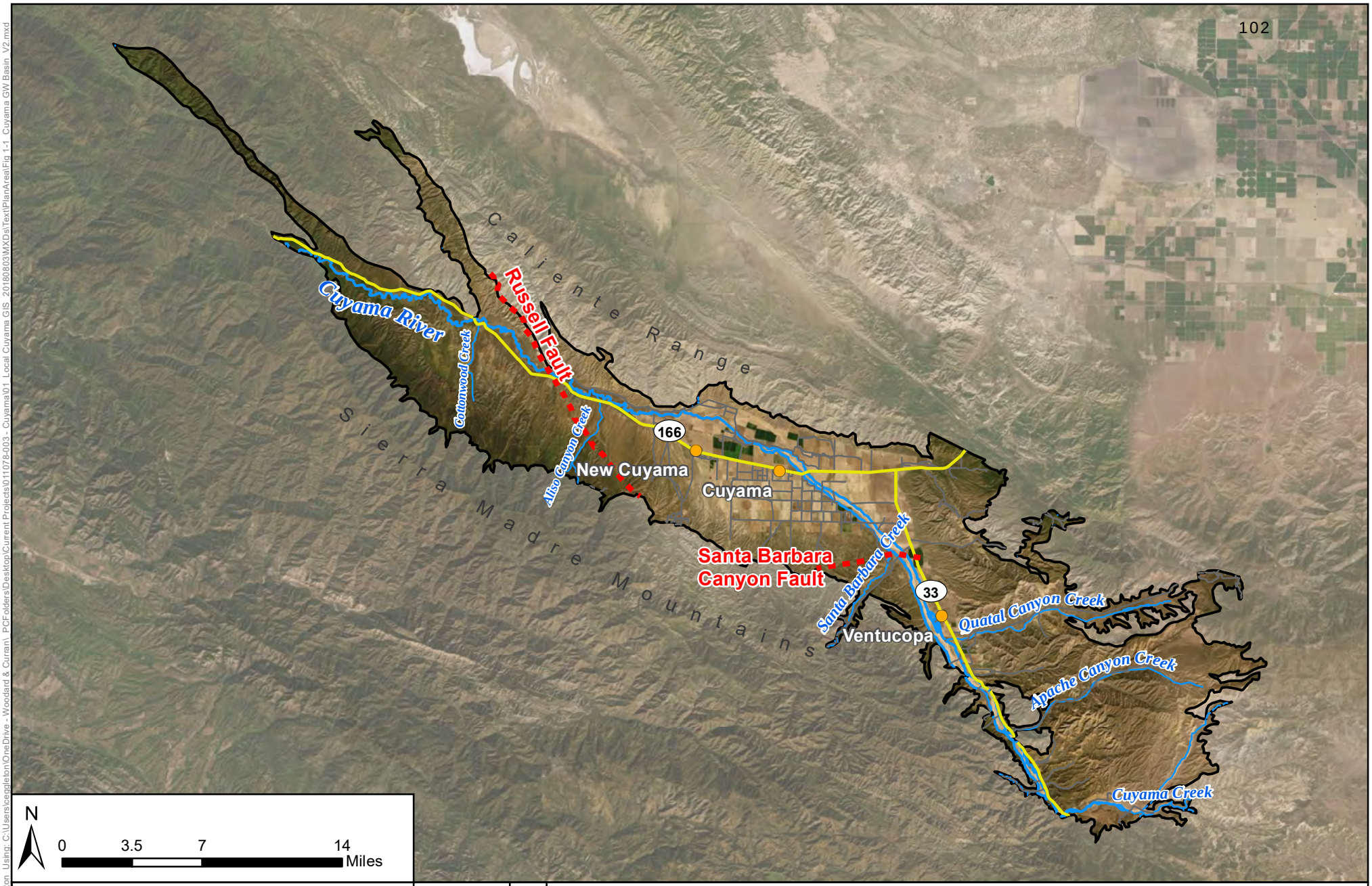


Figure 1-1 - Cuyama Valley Groundwater Basin

Cuyama Basin Groundwater Sustainability Agency

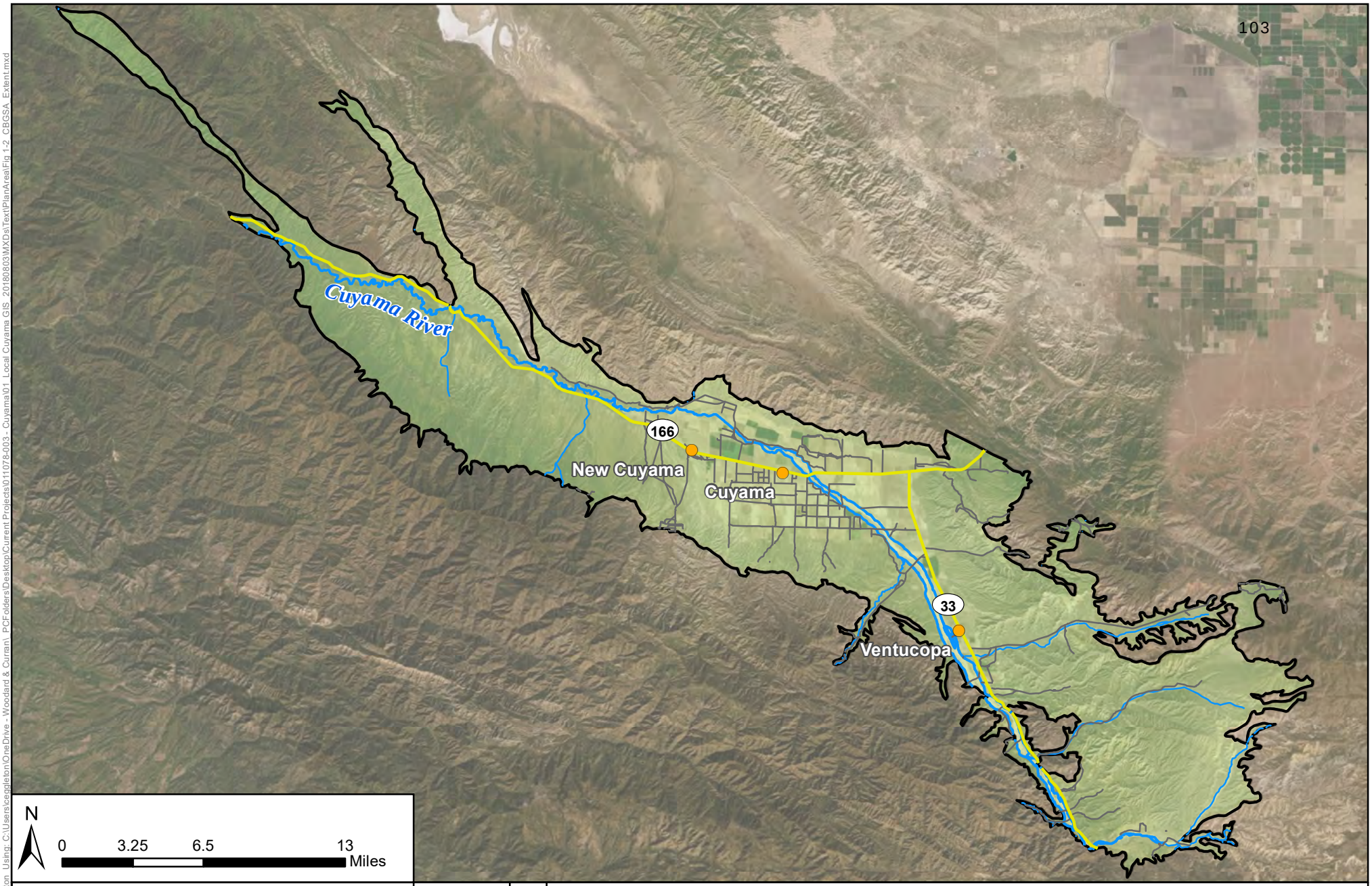
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2020

WOODARD &CURRAN

Legend

- Cuyama Basin
- Towns
- Faults
- Highways
- Local Roads
- Cuyama River
- Streams/Creeks



N

0 3.25 6.5 13 Miles

Figure 1-2 - Cuyama Valley Groundwater Sustainability Agency Boundary

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020

WOODARD &CURRAN

Legend

- Towns
- Cuyama Basin GSA
- Highways
- Local Roads
- Cuyama River
- Streams/Creeks

Section 2. Groundwater Conditions

§356.2 (b)(1)	Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:
§356.2 (b)(1)(A)	Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.
§356.2 (b)(1)(B)	Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

2.1 Groundwater Levels Representative Monitoring Network

As required by DWR's SGMA regulations, a monitoring network and representative monitoring network were identified in the Cuyama Basin GSP utilizing existing wells. The groundwater levels representative monitoring network that was included in the GSP is shown on **Figure 2-1**. The Cuyama Basin consists of a single principal aquifer, and water levels in monitoring network wells are considered representative of conditions in that aquifer. The objective of the representative monitoring network is to detect undesirable results in the Basin related to groundwater levels using the sustainability thresholds described in the GSP. Other related objectives of the monitoring network are defined via the SGMA regulations as follows:

- Demonstrate progress toward achieving measurable objectives described in the GSP.
- Monitor impacts to the beneficial uses or users of groundwater.
- Monitor changes in groundwater conditions relative to measurable objectives and minimum thresholds.
- Quantify annual changes in water budget components.
- Monitoring that has occurred on the groundwater level monitoring network since the development of the Cuyama Basin GSP is included in this Annual Report. Collected groundwater level data has been analyzed to prepare contour maps and updated hydrographs, which are presented in the following sections.

2.1.1 Representative Monitoring Network Refinements

The CBGSA has begun the process of refining and improving the groundwater monitoring network within the Basin. The primary focus during GSP development was to ensure that the monitoring network maximized the potential pool of monitoring locations and gain a broad understanding of available data sources. Through this approach, all wells with recent measurements (data taken on or after January 1, 2018) were included in the monitoring network. This resulted in 101 wells in the monitoring network, including 60 representative wells, which achieved a spatial density of 26.7 wells per 100 square miles. The monitoring network included in the GSP is shown in **Figure 2-1**.

Monitoring has been ongoing in the Basin on a monthly basis since August 2020. Based on information gathered to date, the CBGSA Board determined at its January 2021 meeting to reduce the monitoring network to eliminate spatially redundant wells from the network. This will reduce the representative monitoring network to 52 wells at 46 locations (this includes three multi-completion wells), as shown in Error! Reference source not found. below. However, to address spatial data gaps identified in the GSP, t he CBGSA is currently working with DWR's Technical Support Services (TSS) program to add three

new multi-completion wells (with a total of three completions each), as well as adding one additional single completion well to the network using grant funding provided by DWR. In addition, a new well is being added to the network in the vicinity of Santa Barbara Canyon. These additions will bring the monitoring network up to 62 wells at 50 locations. The revised monitoring network is shown in **Figure 2-2**.

The refinements to the monitoring network will decrease the monitoring well density from 26.7 wells to 16.4 wells per 100 square miles when considering each completion. This well density is still greater than the recommended 0.2-10 wells per 100 square miles recommended by Heath (1976) as described in the GSP, *Section 4.5.3 Spatial Density*.

Thirteen of the wells in the monitoring network include transducers that provide continuous monitoring. Ten of these transducers were recently added using grant funding from DWR.

Table 2-1: Refined Groundwater Monitoring Network Well List

Opti_ID	Network	Includes a Transducer?	Included in a Multi-Completion Well?	Latitude	Longitude
Existing Wells					
2	Representative	No	No	34.6985833	-119.3134722
62	Representative	Yes	No	34.828034	-119.4665109
72	Representative	No	No	34.9343611	-119.6898333
74	Representative	No	No	34.94225	-119.6751667
77	Representative	Yes	Yes	34.9311583	-119.5952556
85	Representative	No	No	34.8194232	-119.4523437
89	Representative	No	No	34.7081389	-119.3785
91	Representative	Yes	Yes	34.8977167	-119.542125
95	Representative	No	No	34.89975	-119.5839167
96	Representative	No	No	34.8902555	-119.616517
98	Representative	No	No	34.8839722	-119.6354722
99	Representative	No	Yes	34.8997806	-119.657725
100	Representative	No	No	34.8118889	-119.4565278
101	Representative	No	No	34.8563889	-119.4846667
102	Representative	Yes	No	34.9647222	-119.70475
103	Representative	Yes	No	34.9279167	-119.6531389
106	Representative	No	No	34.955294	-119.78764
107	Representative	No	No	34.9494226	-119.8123579
110	Monitoring	No	No	34.9766439	-119.7940239
112	Representative	No	No	34.9627553	-119.7612452
114	Representative	No	No	34.9783102	-119.748189
115	Monitoring	No	No	34.963411	-119.807238
118	Representative	No	No	34.975978	-119.887176
119	Monitoring	No	No	35.0433086	-119.8729138
121	Monitoring	No	No	34.996523	-119.853474
124	Representative	No	No	34.968831	-119.859639
316	Representative	Yes	Yes	34.8977167	-119.542125
317	Representative	Yes	Yes	34.8977167	-119.542125
322	Representative	No	No	34.8997806	-119.657725
324	Representative	No	Yes	34.8997806	-119.657725
325	Representative	No	Yes	34.8997806	-119.657725
420	Representative	Yes	Yes	34.9311583	-119.5952556

Opti_ID	Network	Includes a Transducer?	Included in a Multi-Completion Well?	Latitude	Longitude
421	Representative	Yes	Yes	34.9311583	-119.5952556
474	Representative	No	No	34.9405338	-119.7640232
568	Representative	No	No	34.9773889	-119.7563333
571	Representative	Yes	No	34.9796111	-119.8970278
573	Representative	No	No	34.9848333	-119.806
604	Representative	No	No	34.9612905	-119.6650121
608	Representative	No	No	34.94643	-119.6187515
609	Representative	No	No	34.952892	-119.6400793
610	Representative	No	No	34.9051916	-119.560696
612	Representative	No	No	34.9404569	-119.5941622
613	Representative	No	No	34.934845	-119.5717606
615	Representative	No	No	34.941809	-119.5675537
629	Representative	No	No	34.93481	-119.5301644
633	Representative	No	No	34.9375267	-119.5432505
830	Representative	No	No	35.054073	-119.934759
832	Representative	No	No	35.0416	-119.889452
833	Representative	No	No	35.068416	-119.990897
836	Representative	No	No	35.05534	-119.964647
841	Representative	Yes	No	35.00323	-119.83181
845	Representative	Yes	No	35.02252	-119.84979

Note: Additional wells to be added to the network under DWR's TSS program are not shown

New Cuyama

Cuyama

Ventucopa

Figure 2-1: Cuyama GW Basin Groundwater Level & Storage Monitoring Network Wells

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020

WOODARD &CURRAN

Legend

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

Monitoring Network Wells

- Monitoring Network Wells

N

0 2.5 5 10 Miles

Plotted: 2/12/2020 By: cingleton Using: C:\Users\cingleton\OneDrive - Woodard & Curran_PCF\Folders\Desktop\Current Projects\011078.003 - Cuyama\01 Local Cuyama GIS\20180803\MXDs\Text\Annual Report\Fig 2-1_GWLevelStorageMonitoringNetworkWells.mxd

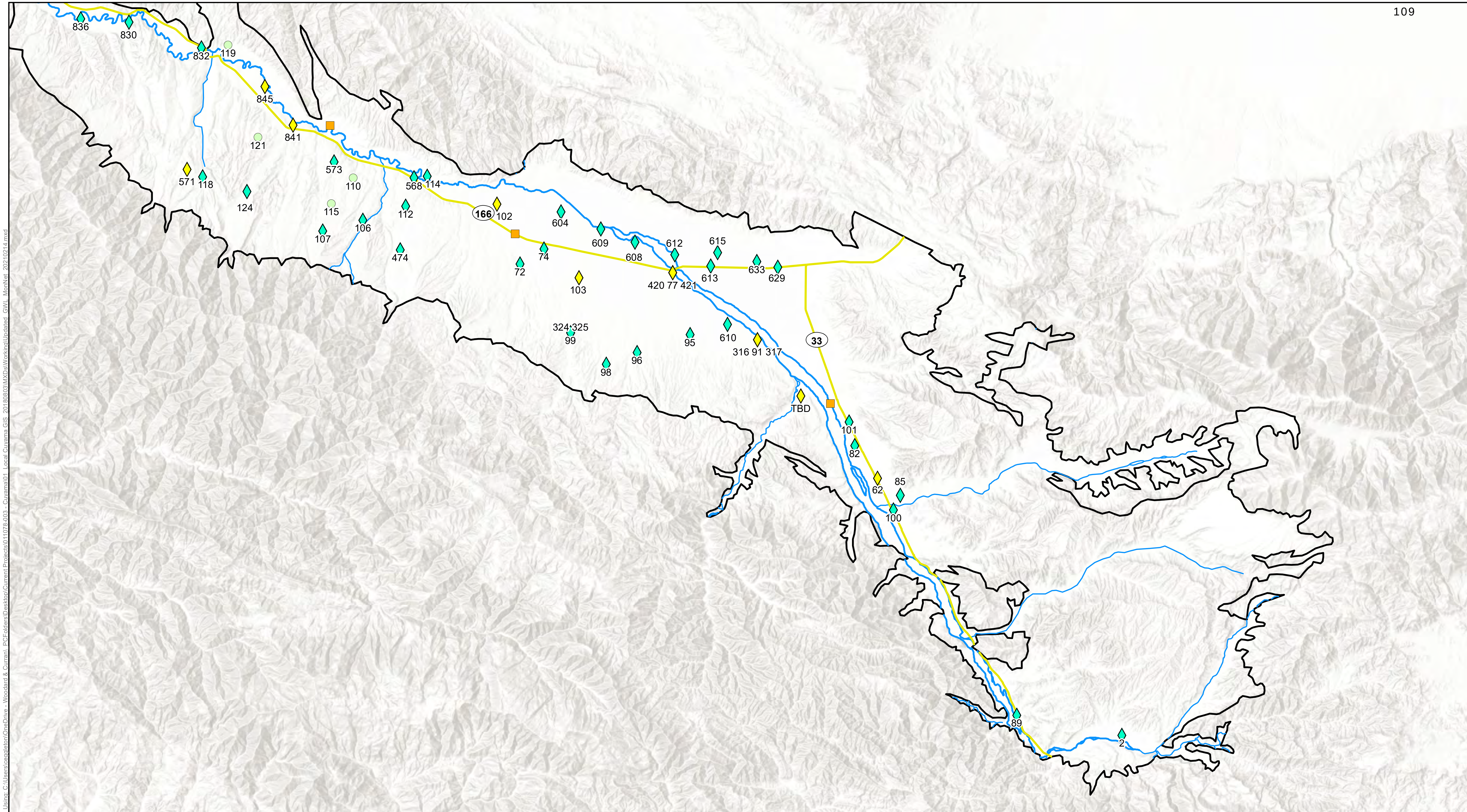


Figure 2-2: Cuyama GW Basin - Refined Groundwater Monitoring Network

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD & CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Representative Well
- Representative Well/ Transducer
- Monitoring Network Well
- TSS Wells

2.2 Groundwater Contour Maps

The 2020 GSP included contour maps up through the spring of 2018. The last Annual Report that was submitted in 2020 included contour maps for fall 2018, spring 2019 and fall 2019. For this Annual Report, analysis was conducted to incorporate data from January 2020 to December 2020 that was received from the United States Geological Survey (USGS), DWR, private landowners, local counties and agencies, and the CBGSA. Data was then added to the Data Management System (DMS) and processed to analyze the current groundwater conditions by creating seasonal groundwater contour/raster maps for the spring and fall of 2020 and hydrographs of basin monitoring wells.

A contour map shows changes in groundwater elevations by interpolating groundwater elevations between monitoring sites. The elevations are shown on the map with the use of a contour line, which indicates that at all locations that line is drawn, the line represents groundwater at the elevation indicated. There are two versions of contour maps used in this section: one that shows the elevation of groundwater above mean sea level, which is useful because it can be used to identify the horizontal gradients of groundwater, and one that shows contours of depth to water, the distance from the ground surface to groundwater, which is useful because it can identify areas of shallow or deep groundwater.

Analysts prepared groundwater contour maps under the supervision of a Certified Hydrogeologist in the State of California for both groundwater elevation and depth to water for both spring and fall of 2020.

Each contour map is contoured at a 50-foot contour interval, with contour elevations indicated in white numeric label. The groundwater contours were also based on assumptions in order to accumulate enough data points to generate useful contour maps. Assumptions are as follows:

- Measurements from wells of different depths are representative of conditions at that location and there are no significant known vertical gradients. Due to the limited spatial amount of monitoring points, data from wells of a wide variety of depths were used to generate the contours.
- Measurements from dates that may be as far apart temporally as three months are representative of conditions during the spring or fall season, and conditions have not changed substantially from the time of the earliest measurement used to the latest. Due to the limited temporal resolution of measurement data in the Basin, data from a wide variety of measurement dates were used to generate the contours.

These assumptions generate contours that are useful at the planning level for understanding groundwater levels across the Basin, and to identify general horizontal gradients and regional groundwater level trends. The contour maps are not indicative of exact values across the Basin because groundwater contour maps approximate conditions between measurement points, and do not account for topography. Therefore, a well on a ridge may be farther from groundwater than one in a canyon, and the contour map will not reflect that level of detail.

Figure 2-3 shows groundwater elevation contours for spring of 2020. Data was collected from Santa Barbara County, Ventura County, DWR, USGS, local landowners, and the CBGSA, however, data collected between February and April was very limited and was not available for the south eastern portion of the Basin. The contours developed using the available data show a depression in the central portion of the Basin between Ventucopa and New Cuyama. Groundwater elevations tend to steadily decrease westward across the Basin. Groundwater flows appear to be moving down slope through the Basin towards the west but gradients are significantly reduced through the central portion. **Figure 2-4** shows the depth to groundwater contours for spring 2020 and shows a depression in the central portion of the Basin greater

than 450 ft below ground surface. However, due to limited groundwater data available for this time period, this depth may be greater but not represented. Groundwater levels then increase toward the west reaching depths above 100 ft in the western portion of the Basin. These levels align with trends seen in older counter maps provided in the 2020 Cuyama Valley Basin GSP.

Figure 2-5 shows the groundwater elevation contours for fall of 2020. Data for this time period provides greater Basin coverage than in spring of 2020, as additional data was collected by the CBGSA monitoring program, which was active during this time. Groundwater elevations show a clear depression in the central portion of the Basin and a steep gradient between the central portion of the Basin and the Ventucopa area, which is consistent with contour maps for 2015 through 2019 conditions. Contours indicate a groundwater flow down the Basin from east to west, with a decrease significant decrease in gradient through the central portion of the Basin.

Figure 2-6 shows the depth to groundwater contours for the fall of 2020. Depth to water contours indicate a depression in the central portion of the Basin, and a steep gradient between the central portion of the Basin and the Ventucopa area, which is consistent with contour maps for 2015 through 2019 conditions. When compared with **Figure 2-5**, it is clear that Basin topography is not the sole factor of groundwater level changes because both groundwater elevations and depths below ground surface rise between Cuyama and Ventucopa. Groundwater level data was available in fall of 2020 for two monitoring wells in the far east portion of the Basin, and that data indicates that groundwater levels in that area are within 50 feet of the ground surface.

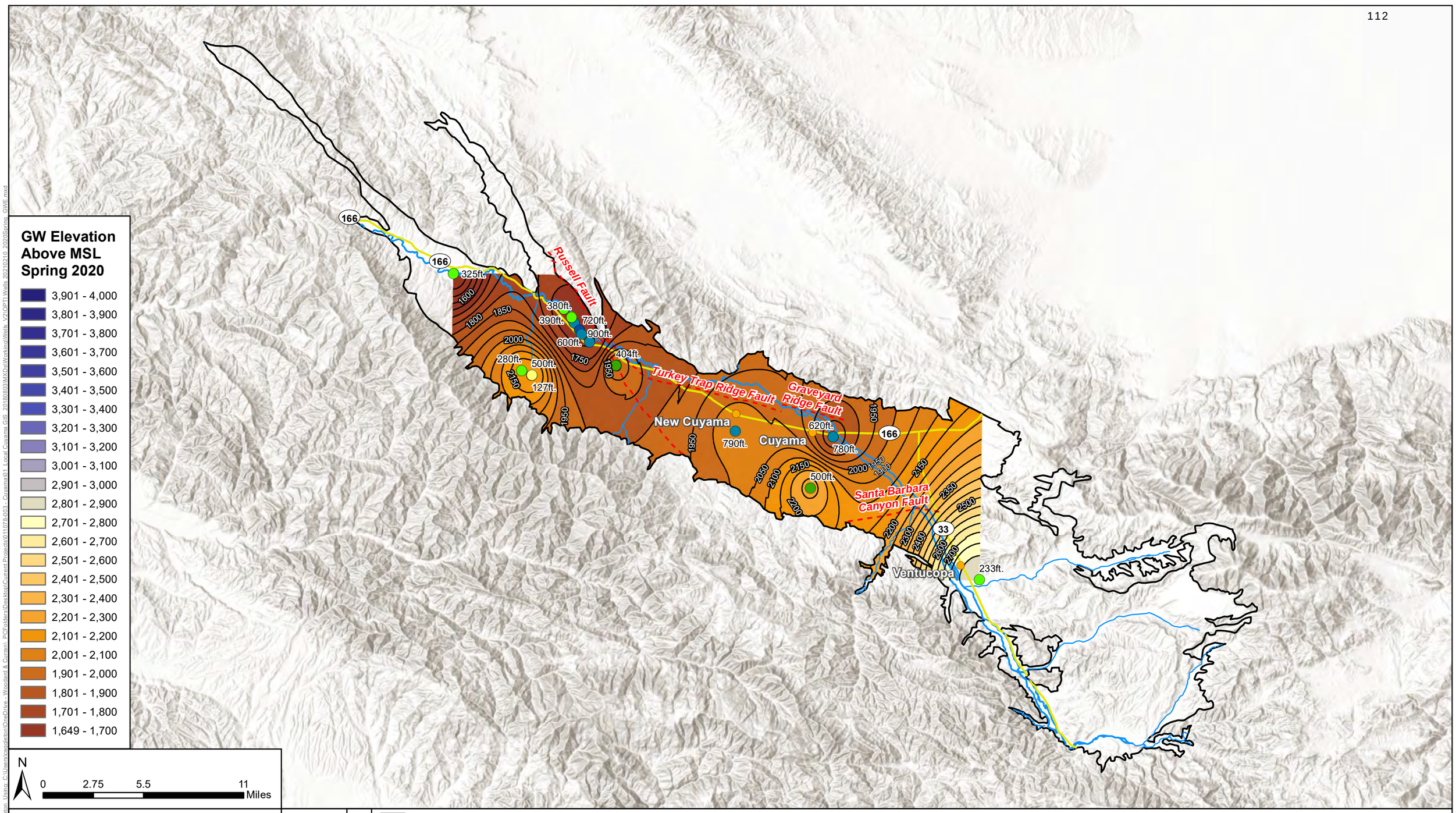


Figure 2-3: Cuyama GW Basin Spring 2020 Groundwater Elevation

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD &CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Faults
- Groundwater Elevation Above MSL

Well Depth Below GSE

- Unknown
- 0 - 200 ft
- 200 - 400 ft
- 400 - 600 ft
- 600 - 800 ft
- 800 - 1000 ft
- 1000 - 1200 ft

Contours were interpolated using data measured from 2/1/2020 - 4/30/2020 due to limited data availability.

Contours Interval: 50 ft.

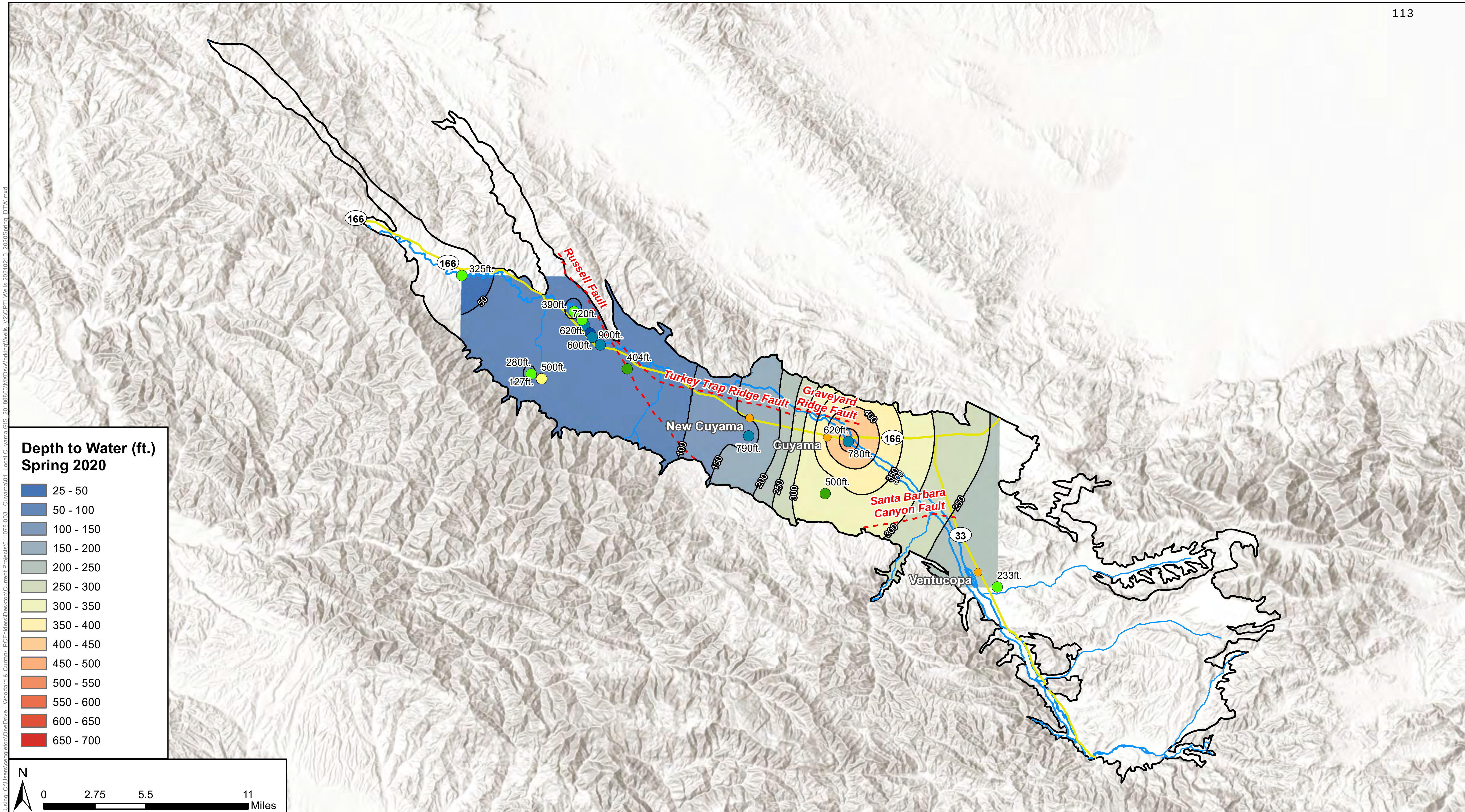


Figure 2-4: Cuyama GW Basin Spring 2020 Depth to Water

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD & CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Faults
- Groundwater Depth-to-Water Contours below Groundsurface

Well Depth Below GSE

- Unknown
- 0 - 200 ft
- 200 - 400 ft
- 400 - 600 ft
- 600 - 800 ft
- 800 - 1000 ft
- 1000 - 1200 ft

Contours were interpolated using data measured from 2/1/2020 - 4/30/2020 due to limitated data availability.

Contours Interval: 50 ft.

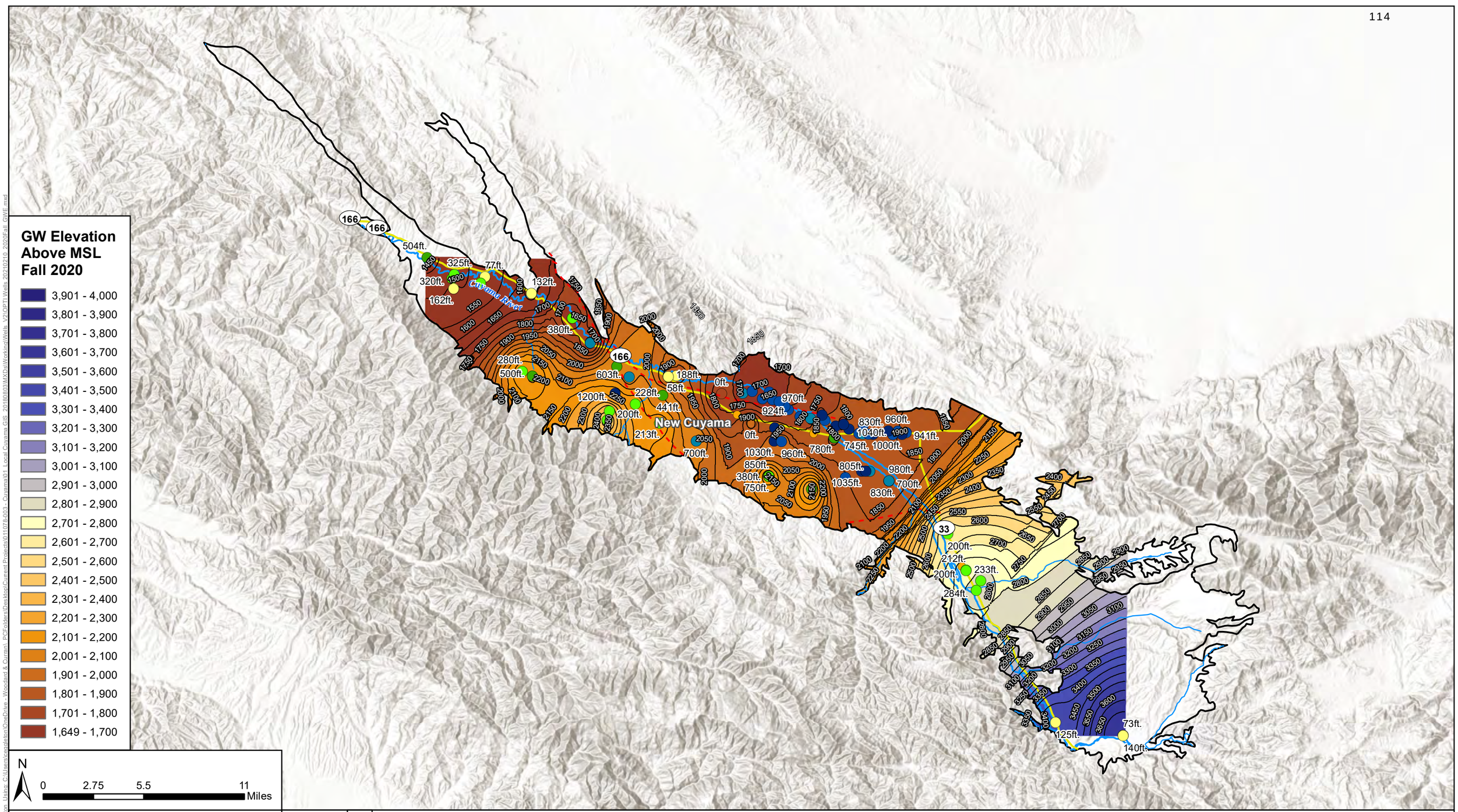


Figure 2-5: Cuyama GW Basin Fall 2020 Groundwater Elevation

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD &CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Faults
- Groundwater Elevation Above MSL

Well Depth Below GSE

- Unknown
- 0 - 200 ft
- 200 - 400 ft
- 400 - 600 ft
- 600 - 800 ft
- 800 - 1000 ft
- 1000 - 1200 ft

Contours were interpolated using data measured from 9/1/2020 - 11/30/2020 due to limited data availbility.

Contours Interval: 50 ft.

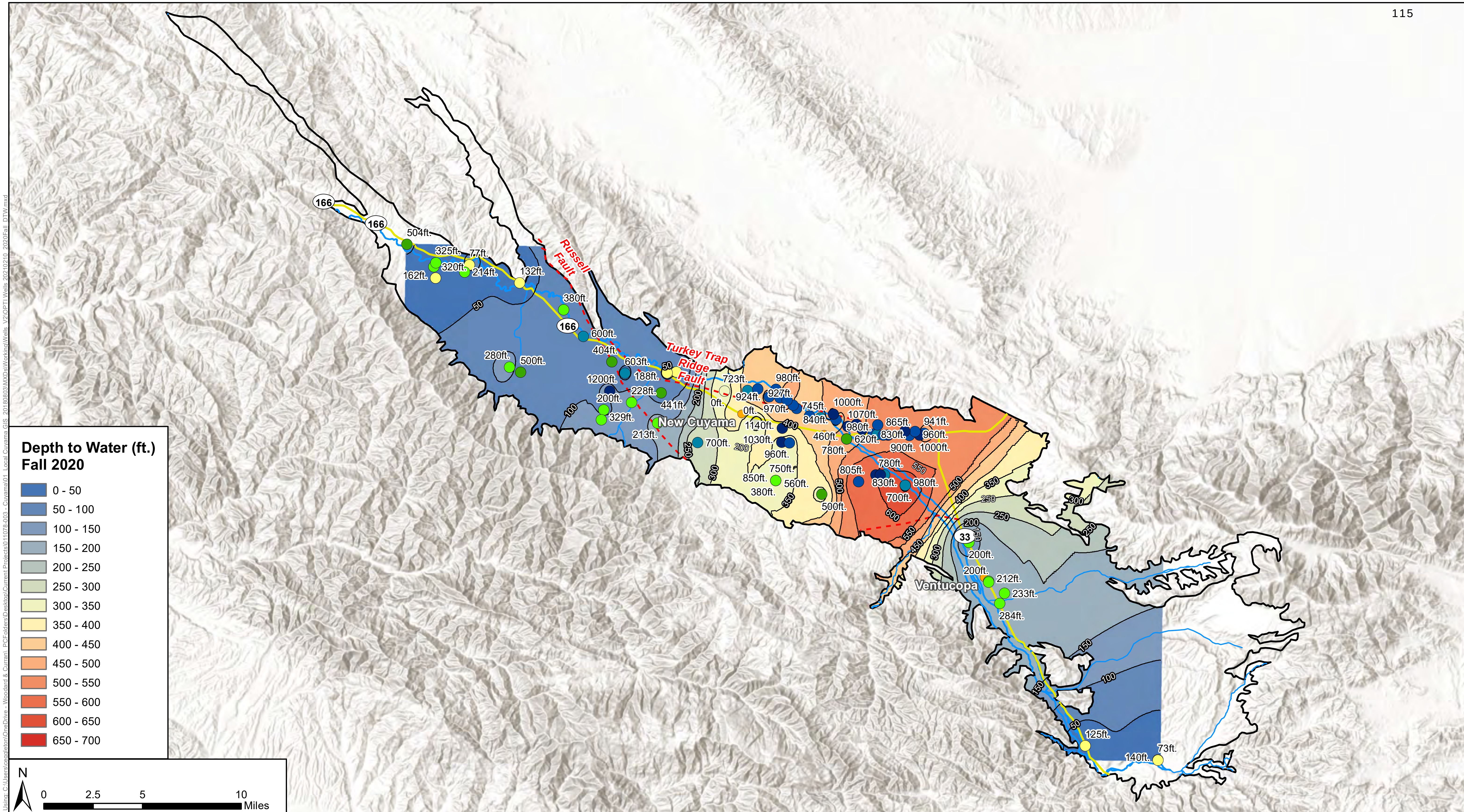


Figure 2-6: Cuyama GW Basin Fall 2020 Depth to Water

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD & CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Faults
- Groundwater Depth-to-Water Contours below Groundsurface

Well Depth Below GSE

- Unknown
- 0 - 200 ft
- 200 - 400 ft
- 400 - 600 ft
- 600 - 800 ft
- 800 - 1000 ft
- 1000 - 1200 ft

Contours were interpolated using data measured from 9/1/2020 - 11/30/2020 due to limited data availability.

Contours Interval: 50 ft.

2.3 Hydrographs

Groundwater hydrographs were developed for each monitoring network well to provide indicators of groundwater trends throughout the Basin. Measurements from each well with historical monitoring data were compiled into one hydrograph for each well. A selection of wells from each threshold region are provided below, while hydrographs for every well are presented in Appendix A.[3]

In many cases, changes in historical groundwater conditions at particular wells have been influenced by climactic patterns in the Basin. Historical precipitation is highly variable, with several relatively wet years and some multi-year droughts.

Groundwater conditions generally vary in different parts of the Basin. To provide a comparative analysis general groundwater trends are provided in **Table 2-2** and are accompanied by hydrographs for each threshold regions. A map of threshold regions is provided in **Figure 2-7**, which also shows the locations of example wells used in each threshold region.

Table 2-2: Groundwater Trends by Threshold Regions

Threshold Region	Groundwater Trend	Example Well(s)
Northwestern Region	Slight downward trend influenced by seasonal fluctuations. This is expected as recent changes in land use have begun to pump groundwater. Levels are still approximately 80 ft above the Measurable Objective.	841 (**Figure 2-8**)
Western Region	Levels in this region have either stayed relatively flat or slightly increased.	108 (**Figure 2-9**)
Central Region	Levels have historically had a steady downward trend with some seasonal fluctuations. This pattern remains with trends continuing downward and, in some cases, levels surpassing minimum thresholds.	74 and 91 (**Figure 2-10 and 2-11**)
Eastern Region	This region has seen an overall decline over several decades, however, recent groundwater trends appear to be equilibrizing.	62 (**Figure 2-12**)
Southeastern Region	Levels in this relatively small region decreased slightly during the last drought but have recovered over the past few years and are well above the Measurable Objective.	89 (**Figure 2-13**)

[3] Hydrographs in the appendix for this report include those that have recent monitoring data but will be removed based on monitoring network refinements described in this report. Subsequent Annual Reports for the Cuyama Basin will not included these hydrographs.

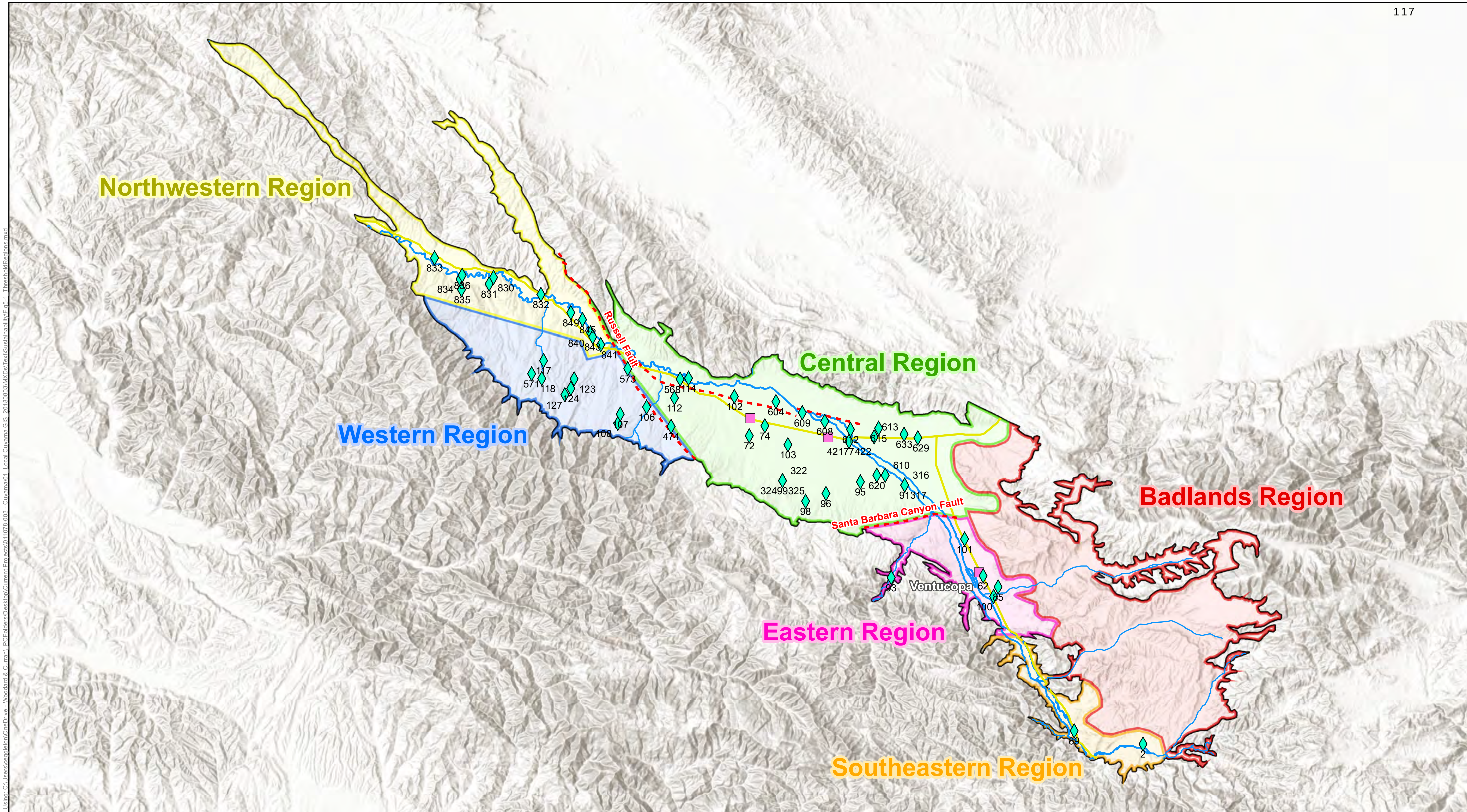


Figure 2-7: Cuyama GW Basin Groundwater Level Representative Wells & Threshold Regions	
Cuyama Basin Groundwater Sustainability Agency	
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan	
April 2019	

WOODARD & CURRAN

Legend

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

Threshold Regions

- Badlands Region
- Central Region
- Eastern Region
- Northwestern Region
- Southeastern Region
- Western Region

N

0 2.75 5.5 11 Miles

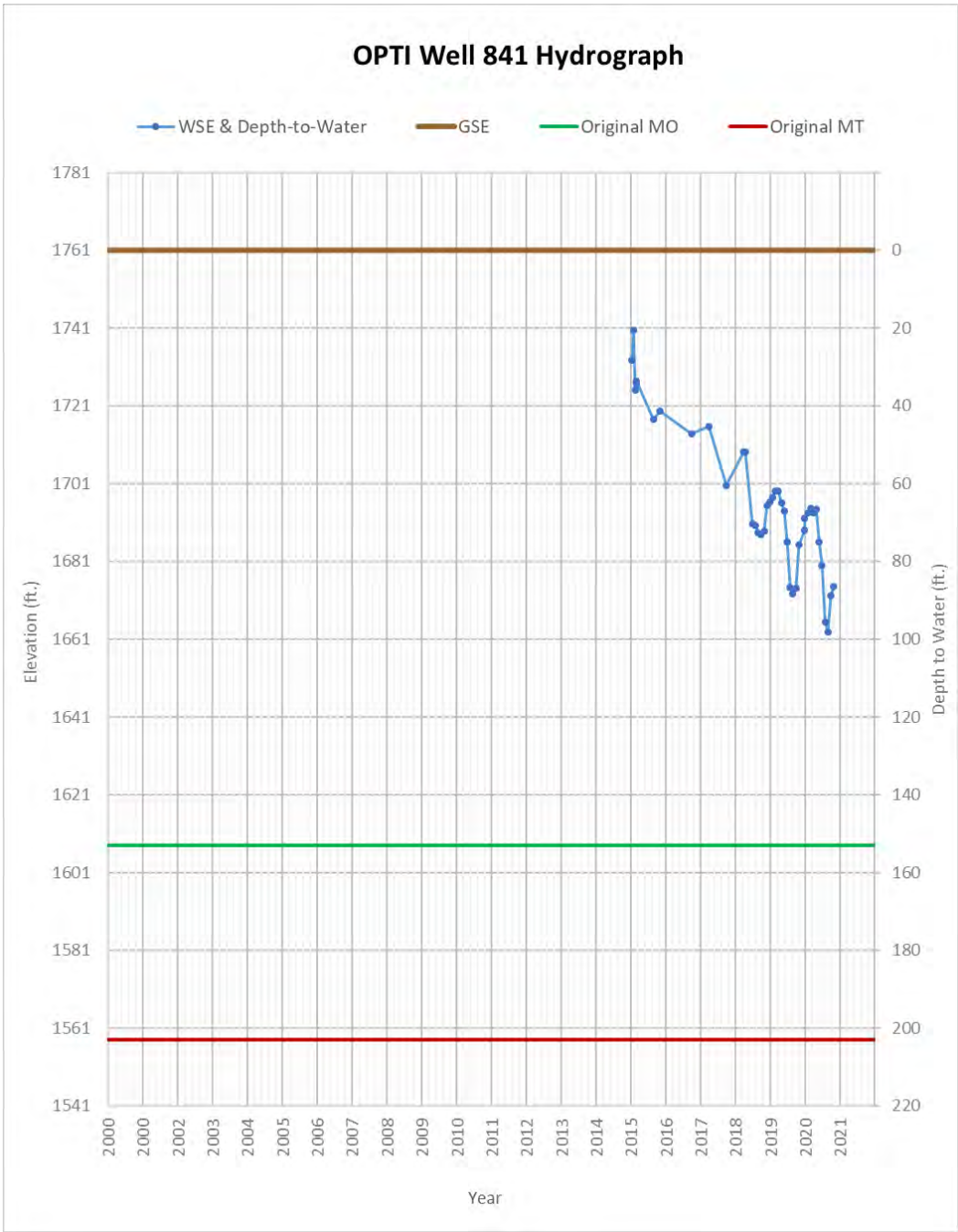


Figure 2-8: Example Well Hydrographs – Northwestern Region

Figure 2-9: Example Well Hydrographs – Western Region

Figure 2-10: Example Well Hydrographs – Central Region

Figure 2-11: Example Well Hydrographs – Central Region

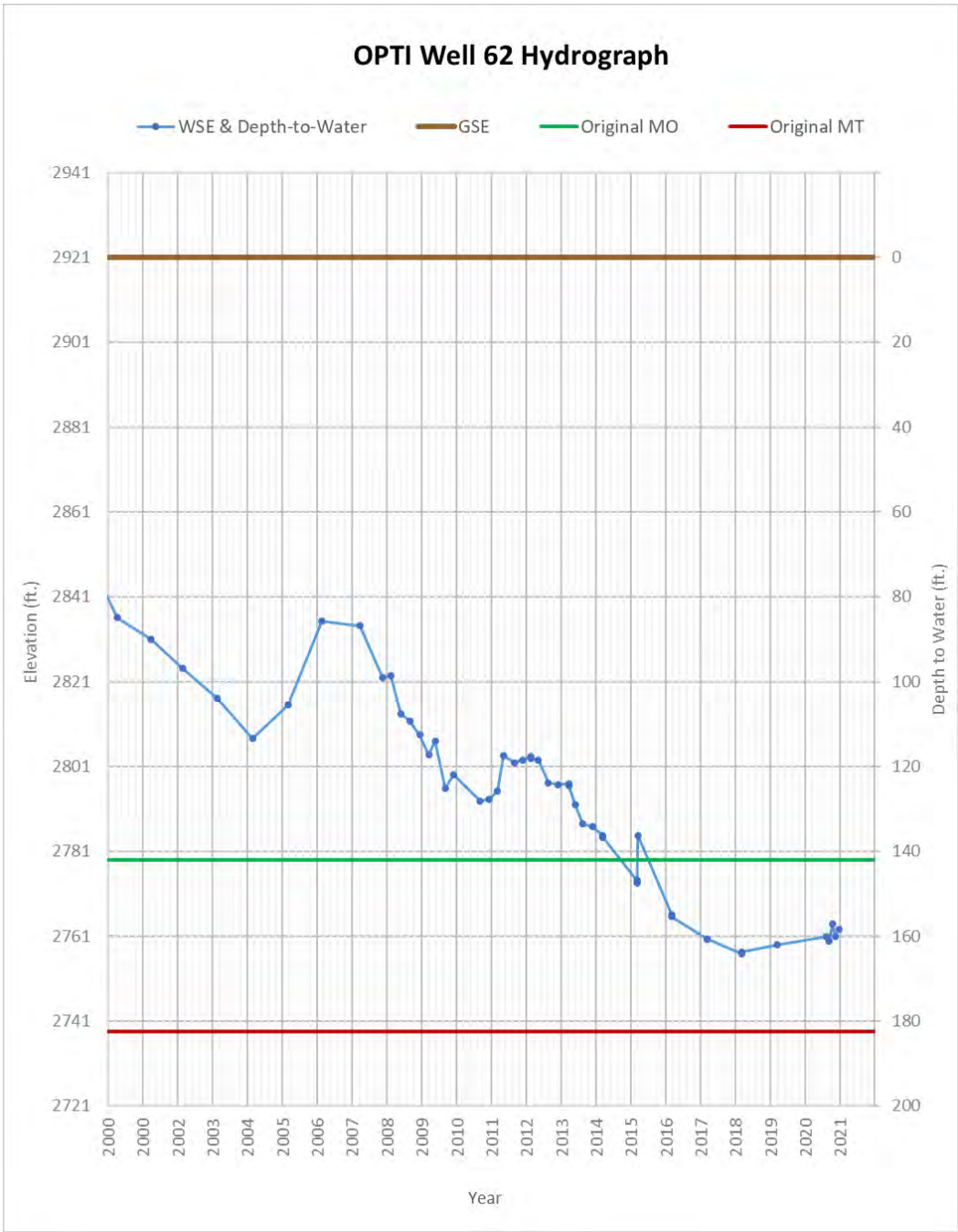


Figure 2-12: Example Well Hydrographs – Eastern Region

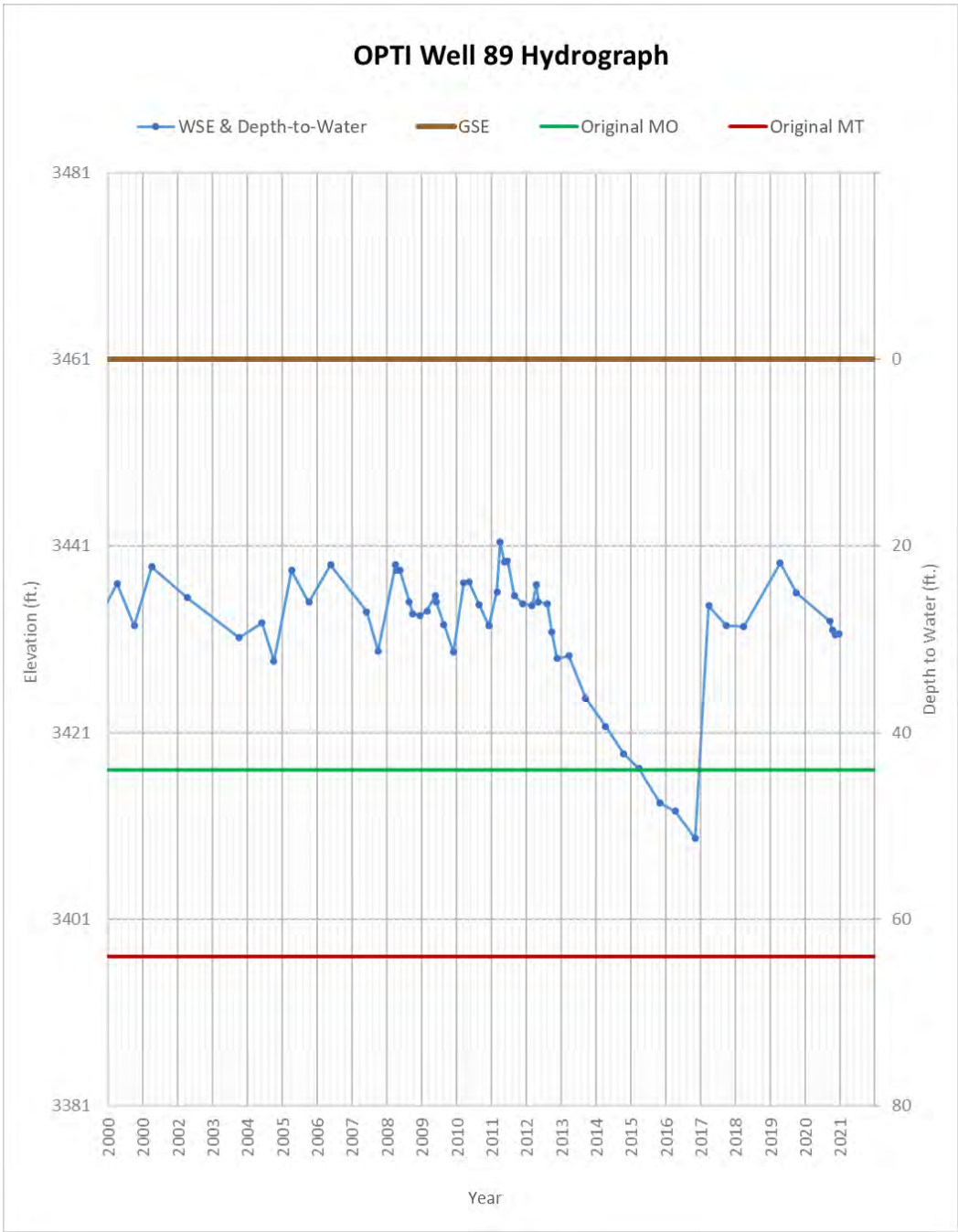


Figure 2-13: Example Well Hydrographs – Southeastern Region

Section 3. Water Use

§356.2 (b) (2)	Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.
§356.2 (b) (3)	Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.
§356.2 (b) (4)	Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

3.1 Groundwater Extraction

Water budgets in the Cuyama Basin GSP were developed using the Cuyama Basin Water Resources Model (CBWRM) model, which is a fully integrated surface and groundwater flow model covering the Basin. The CBWRM was used to develop a historical water budget that evaluated the availability and reliability of past surface water supply deliveries, aquifer response to water supply, and demand trends relative to water year type. For the GSP, the CBWRM was used to develop water budget estimates for the hydrologic period of 1998 through 2017. As discussed in the GSP, the model was developed based on the best available data and information as of June 2018. An assessment of model uncertainty included in the GSP estimated an error range in overall model results of about +/- 10%. It is expected that the model will be refined in the future as improved and updated monitoring information becomes available for the Basin. For the 2020 and 2021 Annual Reports, the CBWRM model was extended to include the 2018 through 2020 water years, utilizing updated land use, temperature and precipitation[4] data from those years.

Figure 3-1 shows the annual time series of groundwater pumping for the water years 1998 through 2020. The CBWRM estimates the following total groundwater extraction amounts in the Cuyama Basin in the 2018 through 2020 water years:

- 2018 Water Year: 59,900 acre-feet (AF)
- 2019 Water Year: 46,500 AF
- 2020 Water Year: 53,600 AF

Almost all groundwater extraction in the Basin is for agriculture use. There is approximately 300 AF of domestic use in each year, with the remainder in each year being for agricultural use.

[4] It should be noted that precipitation data provided by PRISM was updated and there are minor changes to some historical (pre-2020) data reflected in the water budget results when compared to previous reports.

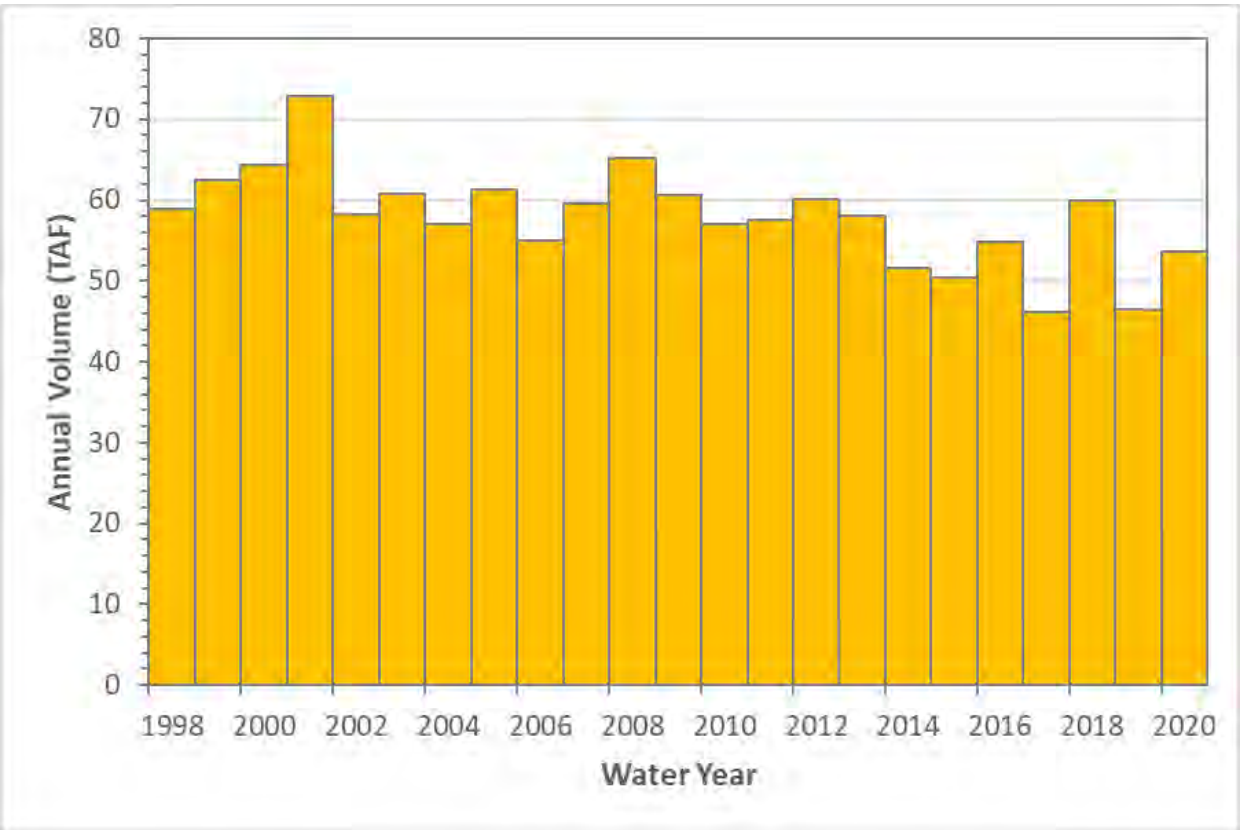


Figure 3-1: Annual Groundwater Extraction in the Cuyama Basin in Water Years 1998-2019

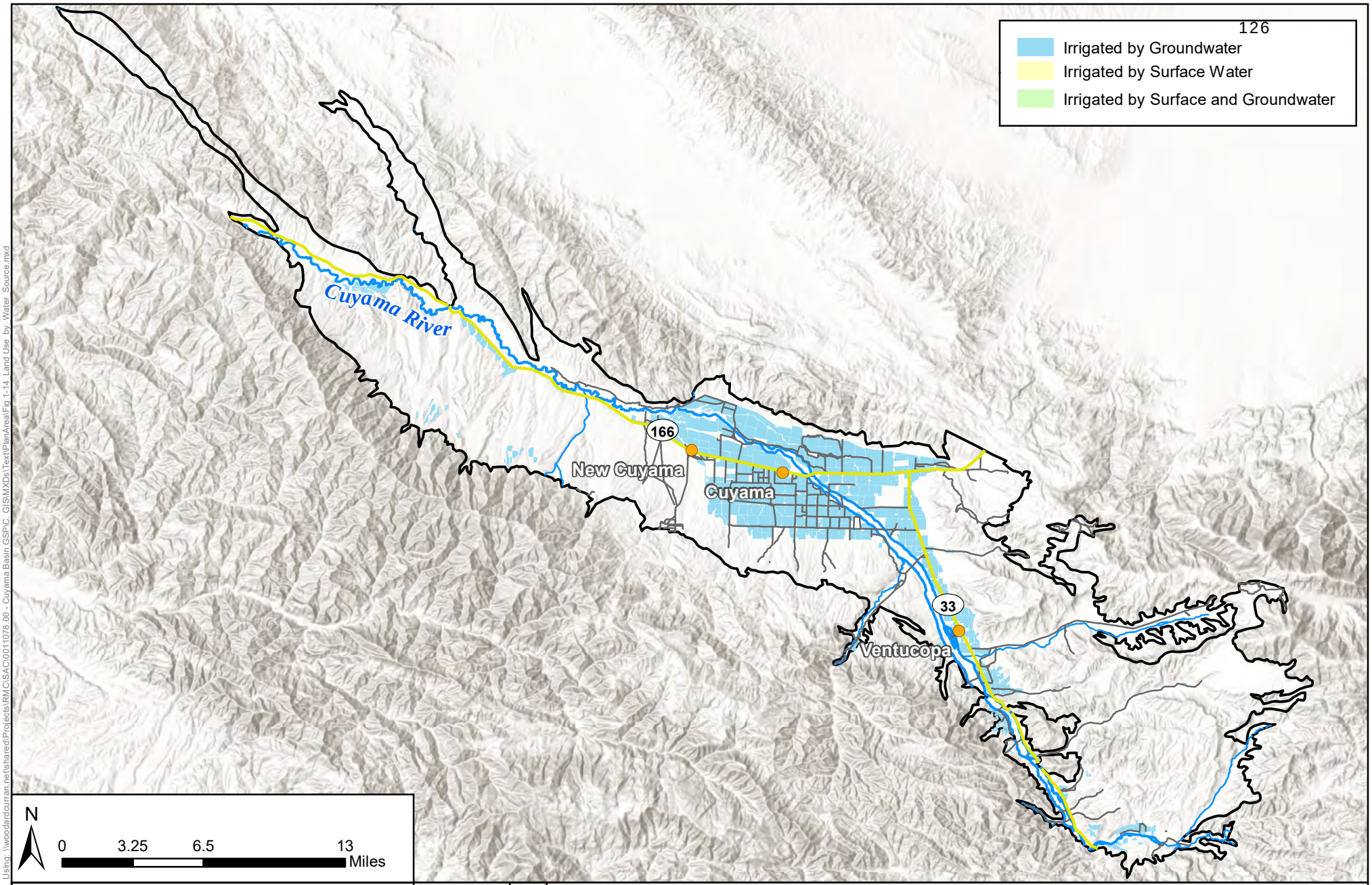
Figure 3-2 shows the locations where groundwater is applied in the Basin. The locations of groundwater use have not changed since completion of the GSP.

3.2 Surface Water Use

No surface water was used in the Cuyama Basin during the reporting period.

3.3 Total Water Use

Since there is no surface water use in the Cuyama Basin, the total water use equals the groundwater extraction in each year, as shown in Section 3.1.



N

0 3.25 6.5 13 Miles

Figure 3-2 - Land Use by Water Source

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020

WOODARD &CURRAN

Legend

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

Source: California Department of Water Resources Statewide Crop Mapping, 2016 dataset. https://gis.water.ca.gov/app/CADWRLandUseViewer/

Figure Exported: 6/19/2018 By: mwicks Using: \\woodardcurran.net\shared\Projects\RMC\SAC\0011078.00 - Cuyama Basin GSP\C. GIS\MXDs\Text\PlanArea\Fig 1-14 Land Use by Water Source.mxd

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Section 4. Change in Groundwater Storage

§356.2 (b) (5)	Change in groundwater in storage shall include the following:
§356.2 (b) (5) (A)	Change in groundwater in storage maps for each principal aquifer in the basin.
§356.2 (b) (5) (B)	A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

Figure 4-1 shows contours of the estimated change in groundwater levels in the Cuyama Basin between 2019 and 2020. The changes shown are based on historical measurements of groundwater elevations in Cuyama Basin representative wells that have recorded measurements in each year. Since the Cuyama Basin monitoring network was implemented and the GSA started collected data in 2020, the change in groundwater levels are based on only a limited number of wells, especially in the Central Basin. It is expected that the estimated annual change in groundwater levels can be improved in the future as refinements to the monitoring network are finalized and more data is measured through the GSA.

A quantitative estimate of the annual change in groundwater storage was estimated using the CBWRM model, which was extended to include the 2019 through 2020 water years as described in the groundwater extraction section above. The CBWRM was used to estimate the full groundwater budget for each year in the Cuyama Basin, which consists of a single principal aquifer. The estimated values for each water budget component in each year are shown in **Table 4-1**. The CBWRM estimates reductions in groundwater storage of 14,800 AF in 2019, and 23,600 AF in 2020.

Table 4-1: Groundwater Budget Estimates for Water Years 2019 and 2020

Component	Water Year 2019 (AFY)	Water Year 2020 (AFY)
Inflows		
Deep percolation	26,200	25,700
Stream seepage	3,900	2,800
Subsurface inflow	1,600	1,500
Total Inflow	31,700	30,000
Outflows		
Groundwater pumping	46,500	53,600
Total Outflow	46,500	53,600
Change in Storage	**-14,800**	**-23,600**

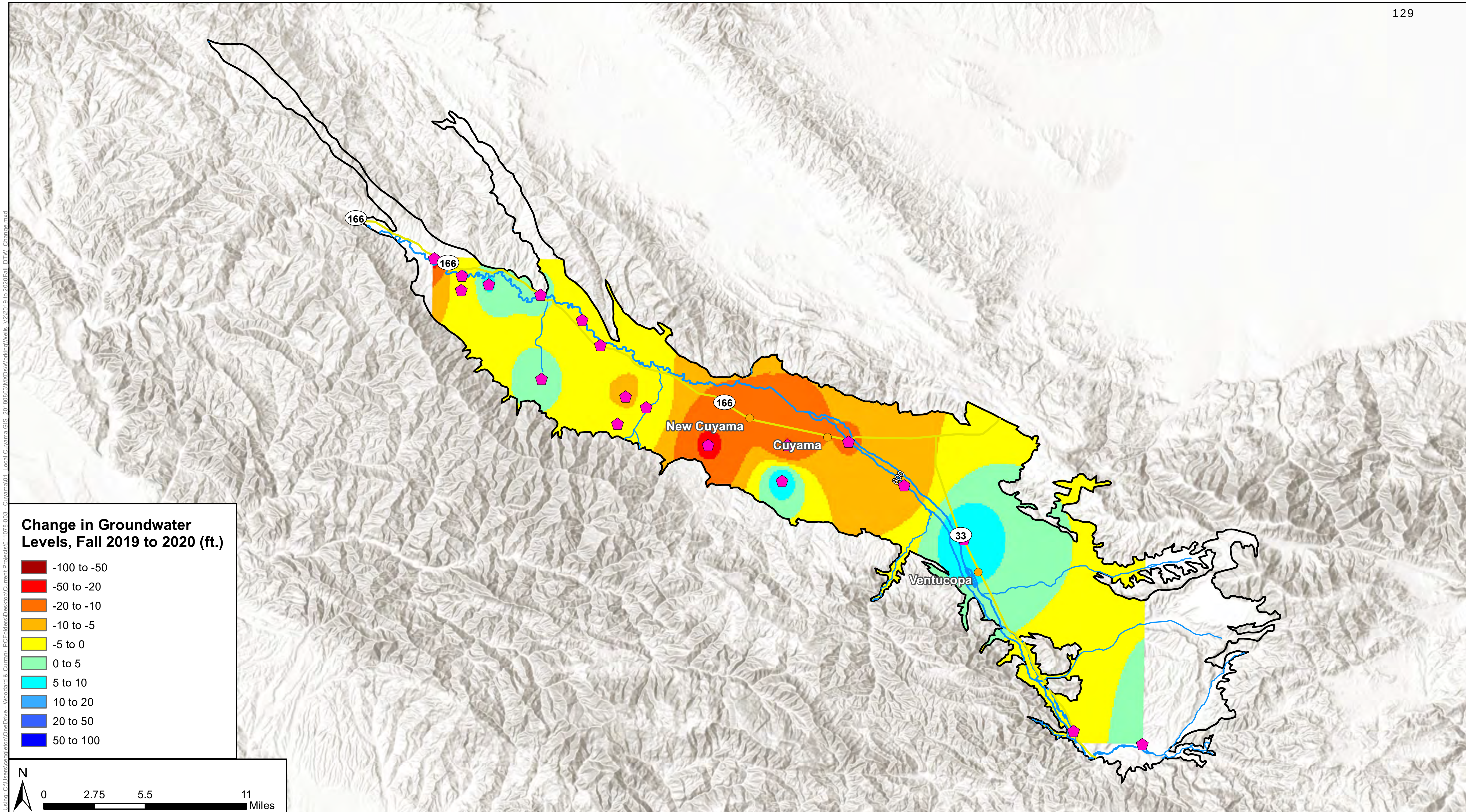

Figure 4-1: Cuyama GW Basin Fall 2019 to 2020 GWL Change

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

February 2021

WOODARD & CURRAN

Legend

- Cuyama Basin
- Cuyama River
- Fall 2019-2020 Overlapping Wells

Rasters have been developed as an estimation tool. Areas of overlapping interpolation data for Fall 2019 and Fall 2020 are interpolated using data measured from September 1st and November 30th of each year due to limiated data avilability. It should be noted this information should be used with individual well hydrographs to make a more informative analysis of groundwater conditions.

Figure 4-2 shows the historical change in groundwater storage by year, water year type,[5] and cumulative water volume in each year for the period from 1998 through 2020. The change in groundwater storage in each year was estimated by the CBWRM model. The color of bar for each year of change in storage correlates a water year type defined by Basin precipitation.

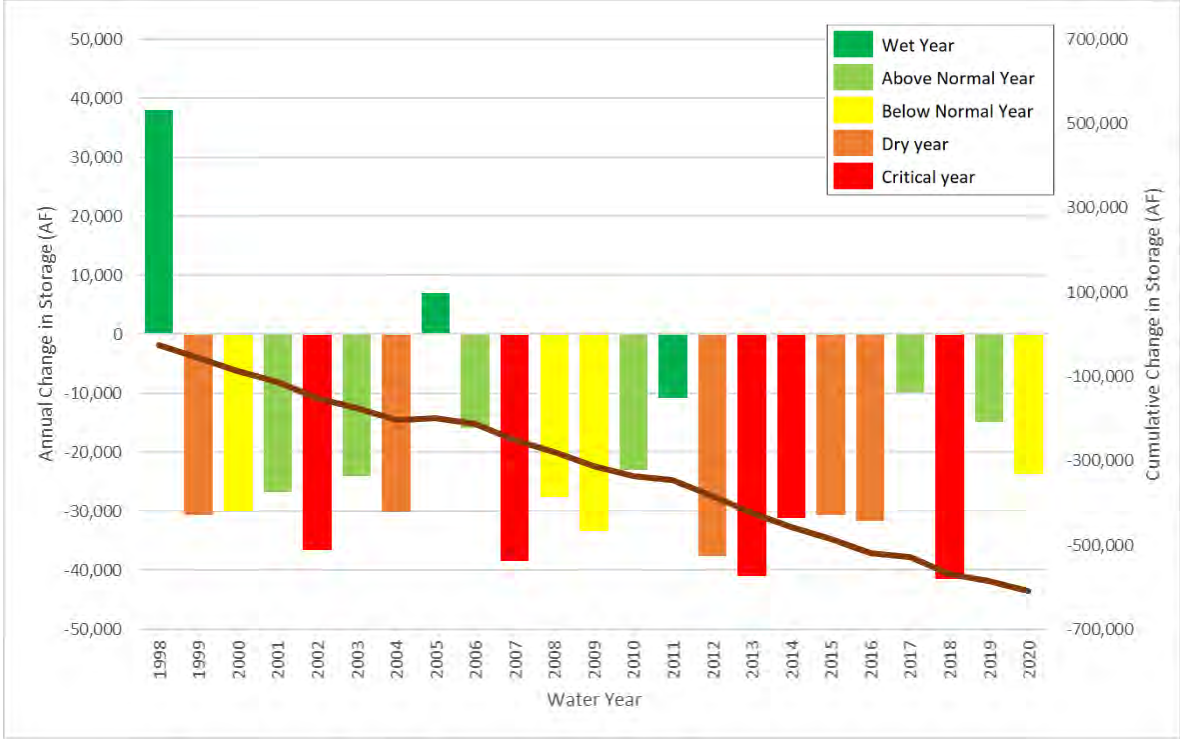

Figure 4-2: Change in Groundwater Storage by Year, Water Year Type, and Cumulative Water Volume

[5] Water year types are customized for the Basin watershed based on annual precipitation as follows:

- Wet year = more than 19.6 inches
- Above normal year = 13.1 to 19.6 inches
- Below normal year = 9.85 to 13.1 inches
- Dry year = 6.6 to 9.85 inches
- Critical year = less than 6.6 inches.

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Section 5. Groundwater Quality

As discussed in Section 4.8 of the Cuyama GSP, the CBGSA's groundwater quality network is designed to monitor salinity levels (as TDS). The groundwater quality network is composed of 64 wells, all of which are representative. Because the CBGSA is still in the initial phases of plan implementation, groundwater quality data has just started to be collected in early 2021. At the time of this report, results from the first samples have not yet been received. The CBGSA expects to provide additional information and data in the next Annual Report.

Section 6. Land Subsidence

Section 4.9 of the Cuyama GSP describes the monitoring network for land subsidence in the Basin, which is composed of five continuous geographic positioning system (CGPS) stations in and around the Basin to monitor lateral and vertical ground movements. Two of the five stations, the Cuyama Valley High School (CUHS) and the Ventucopa (VCST) stations are within the Basin boundary. The other three stations are outside of the Basin and provide data comparative data for vertical movements that are more likely related to tectonic displacement rather than land subsidence.

The undesirable result for subsidence, as described in Section 3.2.5, a result that causes significant and unreasonable reduction in the viability of the uses of infrastructure over the planning and implementation horizon. This result is detected when 30 percent of representative subsidence monitoring sites (i.e. 1 of 2 sites) exceed the minimum threshold for subsidence over two years. The minimum threshold for subsidence, as defined in GSP Section 5.6.3, is 2 inches per year.

At the time the GSP was submitted in 2020, subsidence rates for the CUHS station were -0.56 inches per year. As shown in **Figure 6-1**, data through 2020 was downloaded from UNAVCO[6] and the subsidence trend for CUHS was recalculated. Current subsidence rates in the central portion of the Basin are now -16.9 mm per year or -0.67 inches per year. This is rate is still below the minimum threshold, and thus undesirable results for subsidence are not occurring in the Basin.

[6] https://www.unavco.org/data/web-services/documentation/documentation.html#!/GNSS47GPS/getPositionByStationId

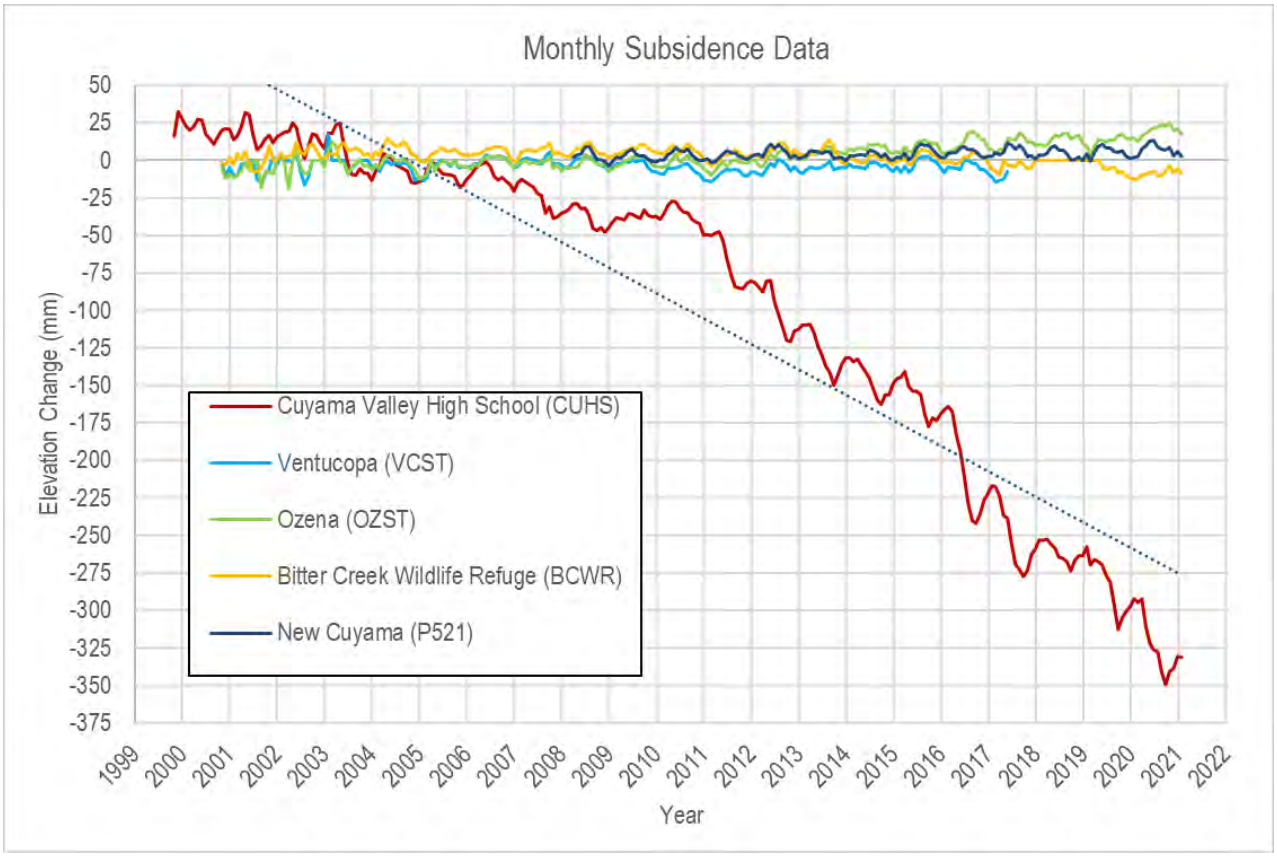

Figure 6-1: Subsidence Monitoring Data

Section 7. Plan Implementation

§356.2 (c)	A description of progress toward implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

This section describes management activities taken by the CBGSA to implement the Cuyama Basin GSP from adoption of the GSP through preparation of this Annual Report.

7.1 Progress Toward Achieving Interim Milestones

Since the GSP was adopted by the CBGSA Board recently and CBGSA data collection efforts began in the second half of 2020, progress toward achieving interim milestones is in its early stages.

To track changes in groundwater conditions and the Basins progress towards sustainability, the GSA compiles a monthly groundwater condition reports based on the data collected to monitoring groundwater levels. Current data collection occurs monthly with corresponding reports, however, at its January 2021 meeting, the CBGSA Board determined to shift to quarter monitoring in the near future after refinements to the monitoring network are finalized.

As described in Section 5 of the GSP (Minimum Thresholds, Measurable Objectives, and Interim Milestones), all interim milestones (IMs) are calculated the same way in each threshold region. IMs are equal the MT in 2025, with a projected improvement to one-third the distance between the MT and MO in 2030 and half the distance between the MT and MO in 2035. **Table 7-1** includes groundwater levels taken in November and December of 2020 and compares them to their respective 2025 IMs. As is shown in the table, 28 wells are already above their IM, while 21 are below, and 10 did not have data available at this time. As there are still four year before 2025, the CBGSA will use its regular groundwater condition reports to closely monitor the Basin's progress towards sustainability and its IMs.

Table 7-1: Groundwater Levels in November & December 2020 Compared to 2025 Interim Milestones

Well	Region	Nov-20 GWL	Dec-20 GWL	2025 IM	Status
72	Central	-	-	169	Unknown
74	Central	252	253	256	Above IM
77	Central	471	467	450	Below IM
91	Central	656	680	625	Below IM
95	Central	596	595	573	Below IM
96	Central	335	334	333	Below IM
98	Central	-	-	450	Unknown
99	Central	293	293	311	Above IM
102	Central	328	-	235	Below IM
103	Central	319	301	290	Below IM
112	Central	84	-	87	Below IM
114	Central	46	-	47	Below IM
316	Central	657	656	623	Below IM
317	Central	657	655	623	Below IM
322	Central	294	292	307	Above IM
324	Central	296	293	311	Above IM
325	Central	294	292	300	Above IM
420	Central	473	468	450	Below IM
421	Central	476	470	446	Below IM
422	Central	-	-	444	Unknown
474	Central	170	-	188	Below IM
568	Central	38	37	37	Above IM
604	Central	491	479	526	Above IM
608	Central	440	436	436	Above IM
609	Central	380	365	458	Above IM
610	Central	626	622	621	Below IM
612	Central	460	467	463	Below IM
613	Central	516	514	503	Below IM
615	Central	491	505	500	Below IM
620	Central	616	618	606	Below IM
629	Central	559	556	559	Above IM
633	Central	563	561	547	Below IM

Well	Region	Nov-20 GWL	Dec-20 GWL	2025 IM	Status
62	Eastern	160	158	182	Above IM
85	Eastern	204	202	233	Above IM
100	Eastern	154	151	181	Above IM
101	Eastern	111	109	111	Above IM
840	Northwestern	-	-	203	Unknown
841	Northwestern	86	77	203	Above IM
843	Northwestern	-	-	203	Unknown
845	Northwestern	66	63	203	Above IM
849	Northwestern	-	-	203	Unknown
2	Southeastern	30	31	72	Above IM
89	Southeastern	30	30	64	Above IM
106	Western	143	143	154	Above IM
107	Western	83	83	91	Above IM
108	Western	-	-	165	Unknown
117	Western	-	-	160	Unknown
118	Western	56	56	124	Above IM
123	Western	-	-	31	Unknown
124	Western	-	-	73	Unknown
127	Western	-	-	42	Unknown
571	Western	120	120	144	Above IM
573	Western	71	-	118	Below IM
830	Far-West Northwestern	56	56	59	Above IM
831	Far-West Northwestern	38	52	77	Above IM
832	Far-West Northwestern	38	38	45	Above IM
833	Far-West Northwestern	27	-	96	Below IM
834	Far-West Northwestern	40	41	84	Above IM
835	Far-West Northwestern	36	37	55	Above IM
836	Far-West Northwestern	36	38	79	Above IM

7.2 Funding to Support GSP Implementation

On November 6, 2019, the CBGSA Board approved the implementation of a groundwater extraction fee to fund the CBGSA administration and implementation activities for 2020. The $19 per acre-foot fee was based on model-estimated 2019 water use totaling 60,000 acre-feet (AF) and the Fiscal Year 2019-20 budget totaling $1,115,690. Water use and payments were submitted based on user-reported data and

resulted in the collection of $585,536 representing water use totaling 30,711 AF. The under collection was due to an overrepresentation of water use in the model, and therefore, on August 13, 2020, the CBGSA approved a supplemental fee of $44 per AF to cover the Fiscal Year 20-21 period which resulted in the collection of $947,480.

Due to a combination of metered use and crop factor use being reported by users, the Board required the supplemental fee be based fully on evapotranspiration crop factors. This methodology resulted in user-reported water use of 25,357 AF. For FY 21-22, the CBGSA will likely continue to administer the annual fee based on crop factors, but meters are being required for all pumpers by December 31, 2021 and future fees may be based on actual pumping.

Additionally, the CBGSA applied for Proposition 68 SGM Implementation Grant funding from DWR in January of 2021 to support implementation activities including:

1. The installation of piezometers to better understand the infiltration of surface water flows into the groundwater aquifer and potential impacts of GSP actions on GDEs located in the Basin
2. Installation of ten dedicated multi-completion monitoring wells to provide groundwater level data needed to better understand how Basin water levels change in response to groundwater pumping and surface and subsurface flows
3. Enhancements of the DMS to report monitoring data and their relationship with sustainability indicators
4. Develop updated land use dataset for years 2018 to 2020 to better understand current and cyclical land use trends and to facilitate updating of water use estimates in the Basin
5. Correct issues with the current weather (CIMIS) station in the Basin and install additional weather stations to improve the accuracy and geographic coverage of precipitation and ET measurements
6. Perform short and long-term aquifer tests in portions of the Basin to improve understanding of hydrogeological conditions in areas of the Basin that the GSP identified as having limited information for characterization
7. Update the Cuyama Basin numerical model parameter values and calibration using the data provided by the above tasks and other recent CBGSA collected data
8. Utilize the updated numerical model to perform additional sustainability scenarios prior to implementation of GSP management actions to provide the information needed for optimal implementation of those actions
9. Perform a feasibility study of the precipitation enhancement action identified in the GSP to determine if this action should be pursued and implemented in the Basin
10. Perform a water rights analysis on flood and stormwater capture flows in the Basin to understand the feasibility of further developing a stormwater capture project in the Basin given water availability and existing water rights

The total requested grant amount was $5,000,000. At the time of writing this report, grant awards have not been announced or distributed.

In addition, the Cuyama Community Services District received grant funding during 2020 from DWR's IRWM program to install a new ground water production well.

7.3 Stakeholder Outreach Activities in Support of GSP Implementation

The following is a list of public meetings where GSP development and implementation was discussed during 2020.

- CBGSA Board meetings: March 4, May 6, June 3, June 25, August 13, and November 4
- Standing Advisory Committee (SAC) meetings: February 27, April 30, May 28, June 25, August 13, and October 29

7.4 Progress on Implementation of GSP Projects

Table 7-2 shows the projects and management actions that were included in the GSP. The following subsections describe the progress of implementation of each GSP project.

Table 7-2: Summary of Projects and Management Actions included in the GSP

Activity	Current Status	Anticipated Timing	Estimated Cost[a]
Project 1: Flood and Stormwater Capture	Conceptual project evaluated in 2015	• Feasibility study: 0 to 5 years • Design/Construction: 5 to 15 years	• Study: $1,000,000 • Flood and Stormwater Capture Project: $600-$800 per AF ($2,600,000 – 3,400,000 per year)
Project 2: Precipitation Enhancement	Initial Feasibility Study completed in 2016	• Refined project study: 0 to 2 years • Implementation of Precipitation Enhancement: 0 to 5 years	• Study: $200,000 • Precipitation Enhancement Project: $25 per AF ($150,000 per year)
Project 3: Water Supply Transfers/Exchanges	Not yet begun	• Feasibility study/planning: 0 to 5 years • Implementation in 5 to 15 years	• Study: $200,000 • Transfers/Exchanges: $600-$2,800 per AF (total cost TBD)
Project 4: Improve Reliability of Water Supplies for Local Communities	Preliminary studies/planning complete	• Feasibility studies: 0 to 2 years • Design/Construction: 1 to 5 years	• Study: $100,000 • Design/Construction: • $1,800,000
Management Action 1: Basin-Wide Economic Analysis	Completed	• December 2020	• $60,000
Management Action 2: Pumping Allocations in Central Basin Management Area	Preliminary coordination begun	• Pumping Allocation Study completed: 2022 • Allocations implemented: 2023 through 2040	• Plan: $300,000 • Implementation: $150,000 per year
Adaptive Management	Not yet begun	Only implemented if triggered; timing would vary	TBD

[a] Estimated cost based on planning documents and professional judgment
AF = acre-feet

7.4.1 Project 1: Flood and Stormwater Capture

The CBGSA applied for Proposition 68 SGM Implementation Grant funding from DWR in January of 2021 which included tasks to understand the feasibility of future flood and stormwater capture. Specifically, funding was sought to perform a water rights analysis on flood and stormwater capture flows in the Basin to understand the feasibility of further developing a stormwater capture project in the Basin given water availability and existing water rights. At the time of this Annual Report, grant awards have not been announced or distributed.

7.4.2 Project 2: Precipitation Enhancement

The CBGSA applied for Proposition 68 SGM Implementation Grant funding from DWR in January of 2021 which included tasks to understand the feasibility of precipitation enhancements efforts. Specifically, funding was sought to perform a feasibility study of the precipitation enhancement action identified in the GSP to determine if this action should be pursued and implemented in the Basin. At the time of this Annual Report, grant awards have not been announced or distributed.

7.4.3 Project 3: Water Supply Transfers or Exchanges

No progress was made toward implementation of this project since completion of the GSP in January 2020.

7.4.4 Project 4: Improve Reliability of Water Supplies for Local Communities

As noted above, the CCSD received a grant award from DWR's IRWM program to install a new production well.

7.5 Management Actions

Table 7-2 shows the projects and management actions that were included in the GSP. The following subsections describe the progress of implementation of each GSP management action.

7.5.1 Management Action 1: Basin-Wide Economic Analysis

A Basin-wide direct economic analysis of proposed GSP actions was completed. The results of this analysis were presented to the GSP Board on December 4, 2019, and the final report was completed in December 2019. The final Basin-wide economic analysis report was provided in the 2020 Annual Report. This management action is 100% complete.

7.5.2 Management Action 2: Pumping Allocations in Central Basin Management Area

An agreement was executed between the CBGSA and CBWD for the CBWD to administer management actions in the Central Basin management area. Beyond that agreement, no significant actions have been taken toward implementation of this management action since completion of the GSP in January 2020.

7.6 Adaptive Management

No adaptive management activities have been conducted since completion of the GSP in January 2020.

7.7 Progress Toward Implementation of Monitoring Networks

This section provides updates about implementation of the monitoring networks identified during GSP development.

7.7.1 Groundwater Levels Monitoring Network

As described in the previous annual report, on December 4, 2019, the CBGSA Board approved a task to begin implementation of the groundwater levels monitoring network. As part of this task, well information sheets were prepared for each well in the monitoring network to allow for implementation of regular monitoring at each well. This work was completed in early 2021, and now monthly groundwater data are collected at each well in the monitoring network.

As described in Section 2.1 above, the CBGSA has begun to refine the groundwater monitoring network to be more efficient, manageable, and economical for monitoring while retaining reliability and adequate representation of the Basin. These proposed refined monitoring network is included in **Table 2-1** and **Figure 2-2**, and is anticipated to be in operation in 2021.

In addition, under a Category 1 grant from DWR, continuous monitoring equipment was installed in 10 additional wells in early 2021. These wells are also identified in **Table 2-1** and Error! Reference source not found. shows the locations selected for installation.

The CBGSA has also approved applications to be submitted to DWR's Technical Support Services (TSS) for installation of three new multi-completion monitoring wells within the Basin and is actively coordinating with DWR for the installation of these new wells.

Finally, the CBGSA intends to complete its survey of all the groundwater level monitoring network wells in 2021. This includes re-measuring latitudes, longitudes, elevations, and other metadata associated with each well. Groundwater level measurement data collected before this survey will be adjusted and reuploaded to DWR after surveying is complete to adequate reflect the difference in elevations caused because of the difference between the reference point elevation and ground surface elevation. This is something the CBGSA is fully aware of, and it is understood that groundwater levels may adjust by up to approximately 1-2 feet for some of the measurements.

7.7.2 Surface Water Monitoring Network

Under a Category 1 grant from DWR, it is expected that two new surface flow gages will be installed on the Cuyama River during 2021.

Section 8. References

California Department of Water Resources (DWR). 2003. *California's Groundwater Bulletin 118—Update 2003*. https://water.ca.gov/LegacyFiles/groundwater/bulletin118/basindescriptions/3-13.pdf

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Appendix A
Updated Hydrographs for Representative Wells

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TO: Board of Directors
Agenda Item No. 12

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Adopt Model Refinement Technical Memo

Issue
Consider adoption of the model refinement technical memo.

Recommended Motion
Adopt the Model Refinement Technical Memo.

Discussion
The Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee and Board of Directors provided direction to develop a plan to update the Cuyama Basin Water Resources Model beginning July 1, 2021.

Provided as Attachment 1 is a summary on the background in developing the model update technical memo, and that memo is provided as Attachment 2 for consideration of approval.

Staff included the update components described in the Technical Memo in its recent Prop 68 Implementation Grant application. The attached slides and technical memo make recommendations on what components to consider keeping if the CBGSA is not awarded the grant.

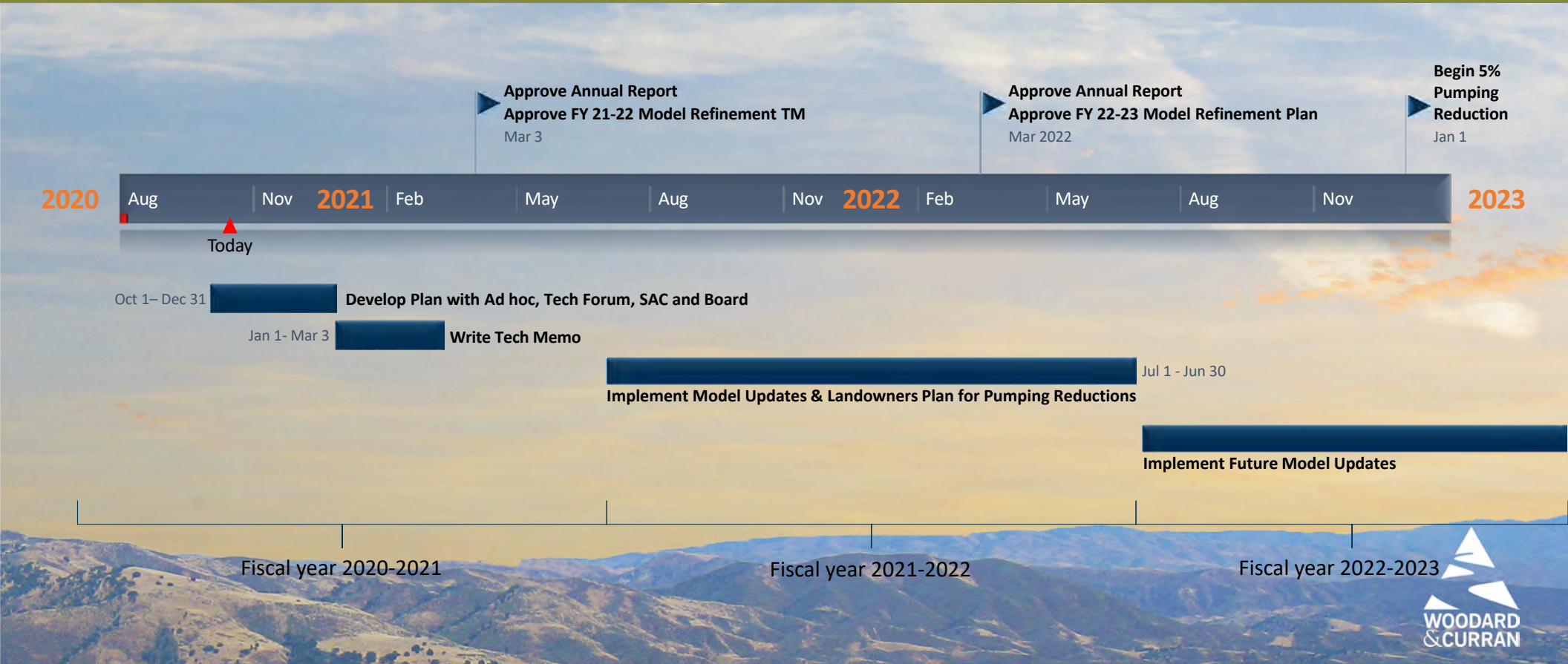
Cuyama Basin Groundwater Sustainability Agency

Adopt Model Refinement Technical Memorandum

March 3, 2021

WOODARD &CURRAN

Model Refinement Schedule



Recommended Model Refinement Activities for FY 2021-22

- **The following were included in the DWR grant proposal but are recommended for implementation even without grant funding**
- Updated land use estimates for the 2018-2020 period
  - Estimated Cost: ~$20,000
- Improve hydrogeological characterization:
  - Perform aquifer tests at 4 wells
  - Estimated Cost: ~$80,000
- Model data updates, re-calibration and application
  - Update model input data sets and model parameters
  - Perform re-calibration of the model based on additional data collected
  - Develop updated estimates of historical and projected water budgets
  - Develop updated sustainability estimates under projected conditions
  - Evaluate the range of uncertainty for the re-calibrated model
  - Estimated Cost: ~$150,000

WOODARD &CURRAN

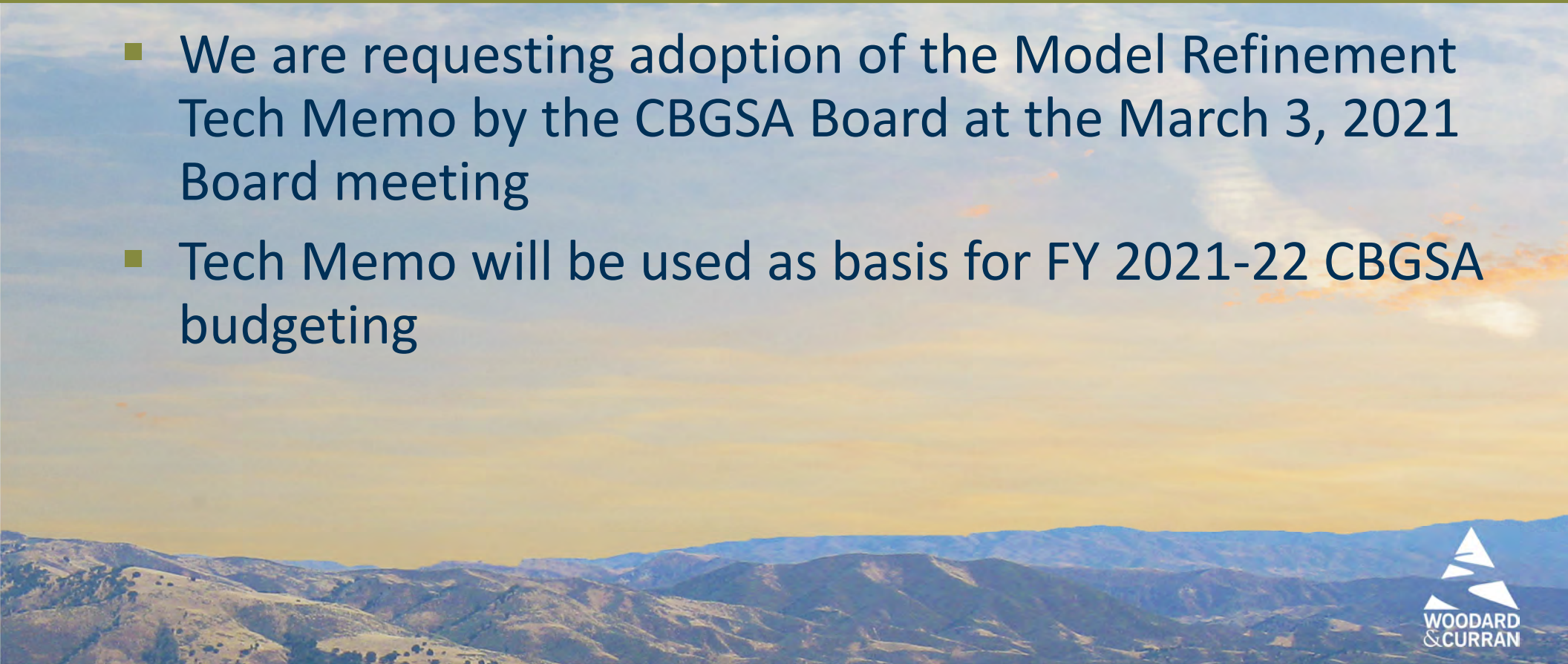
Recommended Model Refinement Activities for FY 2021-22

- **The following are recommended only if grant funding is procured**
- Improve existing CIMIS station and develop new CIMIS station(s)
  - Estimated cost: up to ~$80,000
- Install new piezometers in vicinity of the streambed
  - Estimated Cost: up to ~$200,000
  - Piezometers should still be installed in vicinity of GDEs
- Additional model development and application activities
  - Estimated cost: up to ~$200,000
  - Develop updated Crop ET estimates for 2018-2020 period
  - Update the CBWRM model documentation appendix
  - Use the updated CBWRM model to explore additional sustainability and water management options
- Develop a Decision Support Platform
  - Estimated cost: ~$60,000

WOODARD &CURRAN

Adoption of Model Refinement Tech Memo

- We are requesting adoption of the Model Refinement Tech Memo by the CBGSA Board at the March 3, 2021 Board meeting
- Tech Memo will be used as basis for FY 2021-22 CBGSA budgeting



DRAFT MODEL REFINEMENT TECHNICAL MEMORANDUM

TO: Cuyama Basin Groundwater Sustainability Agency

FROM: Brian Van Lienden, Sercan Ceyhan, and Ali Taghavi, Woodard & Curran

DATE: February 18, 2021

RE: Recommended Approach for Update and Refinement of Cuyama Basin Water Resources Model

1. BACKGROUND

The purpose of this Technical Memorandum (TM) is to describe the recommended approach for the Cuyama Basin Groundwater Sustainability Agency (CBGSA) to update and refine the Cuyama Basin Water Resources Model (CBWRM). The CBWRM was developed to evaluate the recent historical, current, and projected surface water and groundwater conditions in the Cuyama Groundwater Basin (Basin), and simulate various scenarios as part of the Basin's *Groundwater Sustainability Plan* (GSP), which was submitted to the California Department of Water Resources (DWR) in January 2020. The fine temporal and spatial scale of the CBRWM allows the CBGSA and its stakeholders to evaluate the effect of changing groundwater conditions in different parts of the Basin.

CBWRM development was documented in Chapter 2 Appendix C of the GSP. Appendix C included recommendations for continued model development, including continued engagement with local stakeholders, performing additional hydrogeological conceptualization, improving streamflow record collection, improving the representation of small watersheds, developing groundwater pumping estimates, and incorporating future data into model calibration. Some of the recommended improvements are already being implemented by the CBGSA, including the construction of two additional streamflow gages are being constructed in the Cuyama River, implementation of a groundwater metering program that will track pumping quantities, and implementation of the groundwater levels monitoring program that will provide regular groundwater levels data from monitoring wells located throughout the Basin.

This TM describes additional data and model improvements that are recommended to be implemented in FY 2021-22 and beyond. The recommendations were developed with consultation provided by the model refinement ad-hoc committee (on a call on October 7), the Technical Forum (on a call on October 13), the Standing Advisory Committee at meetings on October 29 and January 7, and the CBGSA Board at meetings on November 3 and January 13. Many of the proposed data and model improvement activities were included in the SGMA Implementation Grant proposal that the CBGSA submitted to DWR in January 2021. The recommendations for Fiscal Year (FY) 2021-22 for each item below indicates whether it is recommended for the CBGSA to implement the item irregardless of the availability of grant funding, or if the item should only be implemented if the CBGSA is successful in procuring grant funding for it.

Table 1 shows the recommended CBWRM refinement activities in FY 2021-22, which should be performed even absent the procurement of grant funding.

Table 1. Recommended Activities Supporting CBWRM Refinement in FY 2021-22

Activity	Approximate Cost
Develop updated land use estimates for 2018-2020	$20,000
Perform aquifer tests at four well locations to improve hydrogeological characterization	$80,000
Update CBWRM model data and calibration and develop updated water budget estimates and sustainability estimates	$150,000
Total	**$250,000**

2. TIMELINE OF CBWRM MODEL REFINEMENT AND APPLICATION

Figure 1 shows the projected timeline of CBWRM model refinements and application. In the next few years, it is expected that the CBWRM will be used to help guide CBGSA decision-making with the following applications:

- Development of the previous year's water budget for Annual Reports (due April 1 of each year)
- Perform sustainability scenarios to refine pumping reduction implementation approach and management area definition prior to the beginning of pumping reductions in 2023
- Potential additional analysis of water supply options

To accomplish these goals, data and field improvements and CBWRM refinement and application should be performed during FY 2021-22. The recommended data and model development activities to be performed during FY 2021-22 are described in the sections below. It is anticipated that additional model and data development would occur during future fiscal years. A plan for model and data refinements to be performed during FY 2022-23 would also be developed during FY 2021-22.

Figure 1. CBWRM Refinement and Application Schedule

3. DATA ENHANCEMENTS AND CAPITAL IMPROVEMENTS DURING FISCAL YEAR 2021-22

Recommended data enhancements and capital improvements that would provide data to improve the reliability of the CBWRM include updating land use estimates, updating the existing California Irrigation Management Information System (CIMIS) station in the Basin and installing additional CIMIS stations, performing aquifer tests, and installing piezometers in the vicinity of the streambed. Each of these is described below.

3.1 Develop Updated Land Use Estimates for 2018 to 2020

The CBGSA would develop updated land use dataset for years 2018 to 2020 to better understand current and cyclical land use trends and to facilitate updating of water use estimates in the Basin. Continuous cropping data reflecting representative historic Basin-wide land use will be developed on a monthly time scale for water years 2018 through 2020. The spatial scale and land use categorization of the developed data would be similar to what was previously developed in the Basin by DWR for water years 2014 and 2016. These land use estimates will be developed using satellite imagery and compared to land use information provided by Basin landowners for consistency, and to develop a comprehensive Basin-wide data set.

Approximate Estimated Cost: $20,000
Recommendation: CBGSA should implement in FY 2021-22

3.2 Update Current Weather (CIMIS) Station in the Basin and Install Additional Weather Stations

The CBGSA would work with DWR's Southern California CIMIS region to correct issues with the current weather (CIMIS) station in the Basin and install additional weather stations to improve the accuracy and geographic coverage of precipitation and ET measurements. The CBGSA and DWR would work with landowners to identify locations up to five new weather stations in the Basin. Activities would include the development of planning and design documents necessary to update the existing weather station and to develop up to five new weather stations in the Basin,

development and submittal of any required environmental permits, and the completion of CEQA documentation. It is assumed that the installation of the CIMIS stations will be performed by a representative from DWRs Southern California CIMIS Region.

Approximate Estimated Cost: $80,000
Recommendation: CBGSA should implement in FY 2021-22 only if grant funding is procured

3.3 Perform Aquifer Tests to Improve Hydrogeological Characterization

The CBGSA would perform aquifer tests at select locations in the Basin to improve understanding of hydrogeological conditions in areas of the Basin that the GSP identified as having limited information for characterization. This task would include the selection of up to four suitable well site locations to perform aquifer tests. For each location, a candidate pumping well and up to two observation wells would be identified and evaluated. Testing at each well would include the following activities: (a) pre-pumping water level monitoring (i.e., baseline) to document any trends or patterns in the fluctuation of water levels in the pumping and observation wells; (b) selection of optimum pumping rate based on drawdown response in the pumping well; (c) constant rate discharge test at the selected pumping rate for a duration that meets the test objectives; and (d) recovery monitoring in the pumping and observation wells. During these activities, depth to groundwater in test wells will be monitored by programable pressure transducers or by using an electronic sounder.

Approximate Estimated Cost: $80,000
Recommendation: CBGSA should implement in FY 2021-22

3.4 Install Piezometers In Vicinity of the Streambed

The CBGSA would install piezometers to better understand the infiltration of surface water flows into the groundwater aquifer. This would be in addition to additional piezometers to be installed under a separate task to assess potential impacts of GSP actions on GDEs located in the Basin. The task would include stakeholder engagement and outreach to determine where the piezometers will be located and to obtain any easements or right of way access for the piezometers. New piezometers would be installed at up to six locations, with an assumed average depth of approximately 100 feet. Anticipated activities for installation of each piezometer include the development of a health and safety plan, obtaining subsurface utility clearance, well-hole drilling, installation of a casing for each completion, well installation, and drilling waste disposal.

Approximate Estimated Cost: $200,000
Recommendation: CBGSA should implement in FY 2021-22 only if grant funding is procured

4. CBWRM MODEL UPDATES DURING FISCAL YEAR 2021-22

It is recommended that the calibration of the CBWRM model be updated to incorporate the data that has been collected by ongoing CBGSA programs and any additional data collected from the tasks described in section 2 above. The updated model would then be used to develop updated water budget estimates and updated sustainability estimates, and potentially to analyze

alternative scenarios related to sustainability and water management action analysis. Finally, a decision support tool is recommended to provide information on the state of the basin on a quarterly basis. These activities are described below.

4.1 Update CBWRM Calibration and Develop Updated Water Budget and Sustainability Estimates

The existing CBWRM would be updated to incorporate the data developed under the above tasks and under other ongoing CBGSA activities including the Basin monitoring program that has been in operation since the adoption of the GSP. This will result in improved model representation of the Basin as the model is used to help guide decision-making related to the implementation of GSP pumping allocation and water supply actions. The following activities would be performed: (a) Update model input data sets and model parameters as appropriate to reflect improved Basin understanding resulting from the additional data developed under the above tasks; (b) perform a re-calibration of the model based on additional data groundwater elevations data and other data collected since completion of the GSP; (c) develop updated estimates of historical and projected water budgets using the re-calibrated model; (d) develop updated sustainability estimates under projected conditions; and (e) evaluation of the range of uncertainty for the re-calibrated model. It is assumed that this effort will require engagement with Technical Forum members during the model update and re-calibration process and that updated model and water budget results will be included in presentation materials for CBGSA Board meetings.

Approximate Estimated Cost: $150,000
Recommendation: CBGSA should implement in FY 2021-22

4.2 Additional CBWRM Development and Application Activities

This item includes additional lower-priority CBWRM development activites that were included in the SGMA implementation grant proposal, but would only be implemented if grant funding were procured by the GSA. If grant funding can be procured, the following additional activities are recommended: (a) revise and refine the root zone component of the IRWM demand calculator (IDC) with the additional time series from 2018-2020 water years; (b) update the CBWRM model documentation appendix to include CBWRM improvements that were implemented in FY 2021-22; and (c) use the updated CBWRM model developed in the above task as well as other data and information developed since completion of the GSP be used to explore additional options for pumping allocations in the Basin, as well as potentially evaluating additional options for implementation of GSP water supply options. The GSP included a single sustainability scenario for the implementation of pumping allocations in the Basin. This resulted in a schedule of pumping allocations and a management area boundary) that were included in the GSP. In this task, up to four additional scenarios would be developed that explore varying levels of pumping reduction, varying options for revised management area boundaries, and potentially additional options for water supply options. This task would include ongoing engagement with CBGSA Board members and the Technical Forum to discuss potential scenarios to be evaluated, the assumptions for potential water management options, and the implications for technical analysis results on CBGSA decisions regarding implementation of pumping allocations in the Basin. The assumptions and results of the water management action implementation options analysis would be included in presentation materials for CBGSA Board meetings and documented in the updated version of the CBWRM model documentation appendix.

Approximate Estimated Cost: $200,000
Recommendation: CBGSA should implement in FY 2021-22 only if grant funding is procured

4.3 Develop a Decision Support Platform

The CBGSA would develop a Decision Support Platform (DSP), which would provide information on the state of the Basin on a quarterly basis based on the foundational information from the CBWRM model, and monthly data on groundwater pumping and hydrologic conditions. The DSP would tie the real-rime data and model data in a more efficient, robust, and cost-effective manner in a dashboard to monitor the state of the Basin using the relevant sustainability indicators. Note that the DSP was not included in the SGMA implementation grant application; therefore, the DSP would either need to be included in a separate grant proposal or deferred for consideration in a future year.

Approximate Estimated Cost: $60,000
Recommendation: CBGSA should implement in a future year or if grant funding is procured

TO: Board of Directors
Agenda Item No. 13

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Consider Applying for a USBR WaterSMART Grant

Issue
Consider Applying for a USBR WaterSMART Grant.

Recommended Motion
Apply for a USBR WaterSMART grant.

Discussion
Woodard & Curran has identified a potential grant opportunity that may cover costs related to implementation of pumping allocations in the Central basin Management Area. Staff is looking for Board feedback on this potential opportunity since the submittal deadline is April 7, 2021. Additional details regarding this potential opportunity are provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Discuss Potential USBR WaterSMART Grant Opportunity

March 3, 2021

USBR WaterSMART Grant Opportunity

- U.S. Bureau of Reclamation Grant Opportunity to provide funding for a “water marketing strategy” grant
  - Maximum grant award is $400,000
- Their definition of “water marketing” is broad and could include support for planning of implementation of pumping allocations in the Cuyama Basin
- Funded activities would include:
  - Stakeholder outreach meetings
  - Technical analysis (e.g. model development and analysis of scenarios)
  - Development of a strategy document for the pumping allocation implementation
- Estimated cost to complete the proposal: ~$40,000
- Proposal is due on April 7; we would need direction from the Board to prepare and submit the proposal at the March 3 Board meeting

WOODARD &CURRAN

TO: Board of Directors
Agenda Item No. 14a

FROM: Jim Beck, Executive Director

DATE: March 3, 2021

SUBJECT: Report of the Executive Director

Issue
Report of the Executive Director.

Recommended Motion
None – information only.

Discussion
Progress and next steps for the Hallmark Group are provided as Attachment 1 for the months of December 2020 and January 2021. An overview of consultant budget-to-actuals is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

Progress & Next Steps

March 3, 2021

Cuyama Basin Groundwater Sustainability Agency

Near-Term Schedule

Dec-Jan 2021 Accomplishments & Next Steps

Accomplishments

- ✓ Ongoing administration of the CBGSA.
- ✓ Continued administration of supplemental fee (including no-reporting entities).
- ✓ Reviewed and commented on indirect economic presentation on Dec 21, 2020.
- ✓ Discussed proposed groundwater level changes with DWR's Ben Gooding on Dec 30, 2020.
- ✓ Prepared and facilitated a SAC meeting on Jan 7, 2021 and a Board meeting on Jan 13, 2021.
- ✓ Facilitated SAC Role ad hoc on Jan 21, 2021.
- ✓ Reviewed and discussed grant invoice 8a/8b with DWR's Anita Regmi.
- ✓ Completed insurance renewal application.
- ✓ Participated in a meeting with cannabis industry representative Amy Steinfeld.
- ✓ Completed the federal government account registration required by USGS for the stream gauges.
- ✓ Continued discussions with DWR's Chris Baker, Sunrise Olive and Jim Wegis regarding potential sites for the third DWR TSS well.
- ✓ Assisted with updating the groundwater conditions report per stakeholder feedback.
- ✓ Revised and distributed the SAC member application.
- ✓ Revise monitoring access agreement to account for transducers and non-material edits with legal.
- ✓ Touched base with DWR's Ben Gooding regarding CASGEM reporting requirements.
- ✓ Reviewed grant and potential monitoring well changes with DWR's Anita Regmi.
- ✓ Contacted stakeholders regarding Prop 68 support letters.

Next Steps

- Continue coordination of monitoring networks including the water quality network and land survey for the level network with P&P.
- Coordinate Management Area delegation discussions.
- Develop the FY 21-22 draft budget component list.
- Begin administration of the FY 21-22 groundwater extraction fee.
- Administer the implementation of the metering requirement .
- Facilitate long-term fee equity discussion.

Cuyama Basin Groundwater Sustainability Agency

Financial Report

March 3, 2021

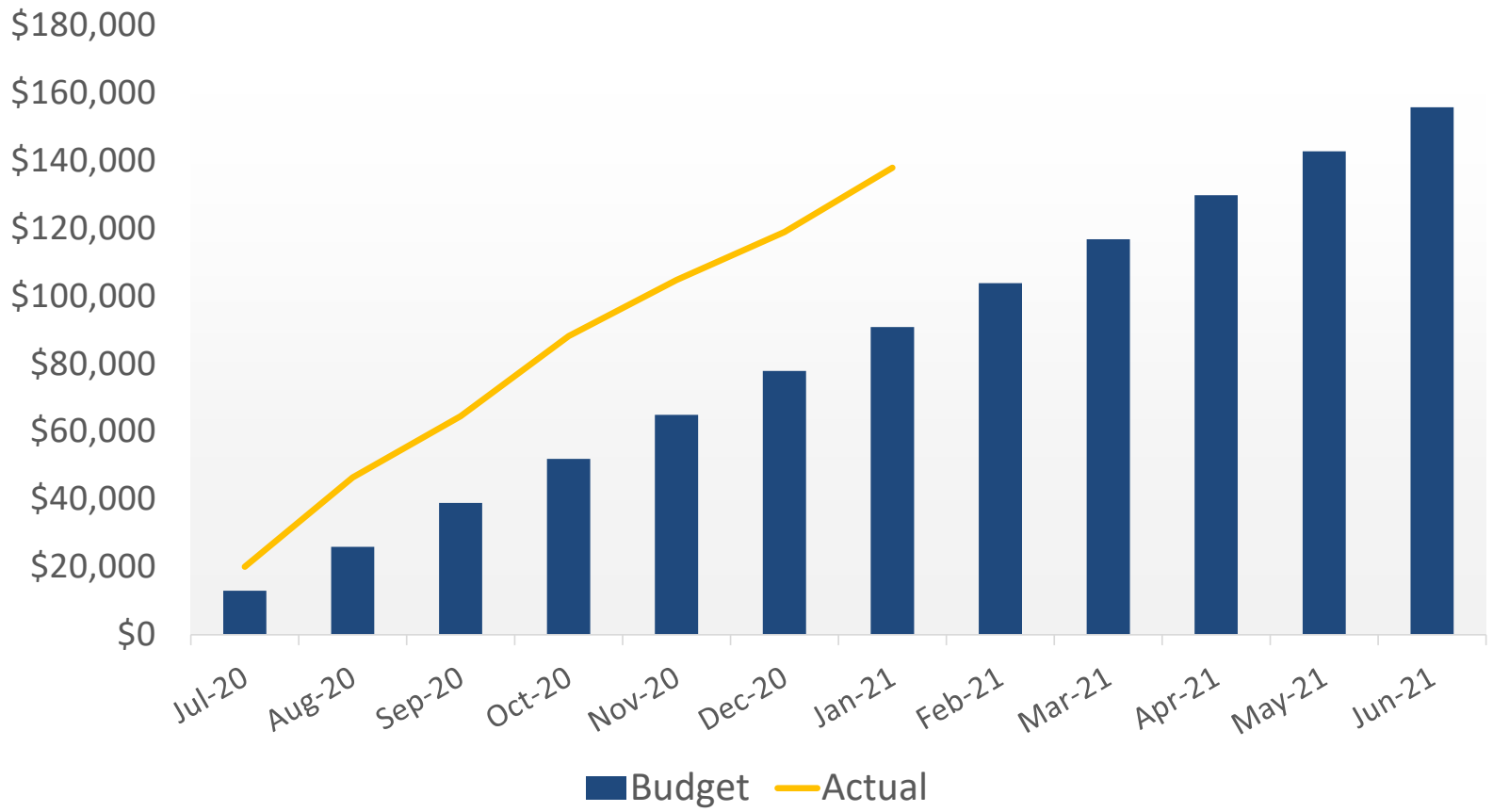
CBGSA OUTSTANDING INVOICES

Task	Invoiced Through	Cumulative Total
Legal Counsel (Klein)	01/31/2021	$4,030
Executive Director (HG)	01/31/2021	$33,149
Technical Consultant (W&C)	01/31/2021	$166,983
Monitoring/Data Collection and GW Quality Monitoring (P&P)	01/31/2021	$32,240
CA Assoc. of Mutual Water Co.	01/31/2021	$100
TOTAL		$236,502

HALLMARK GROUP Capital Program Management

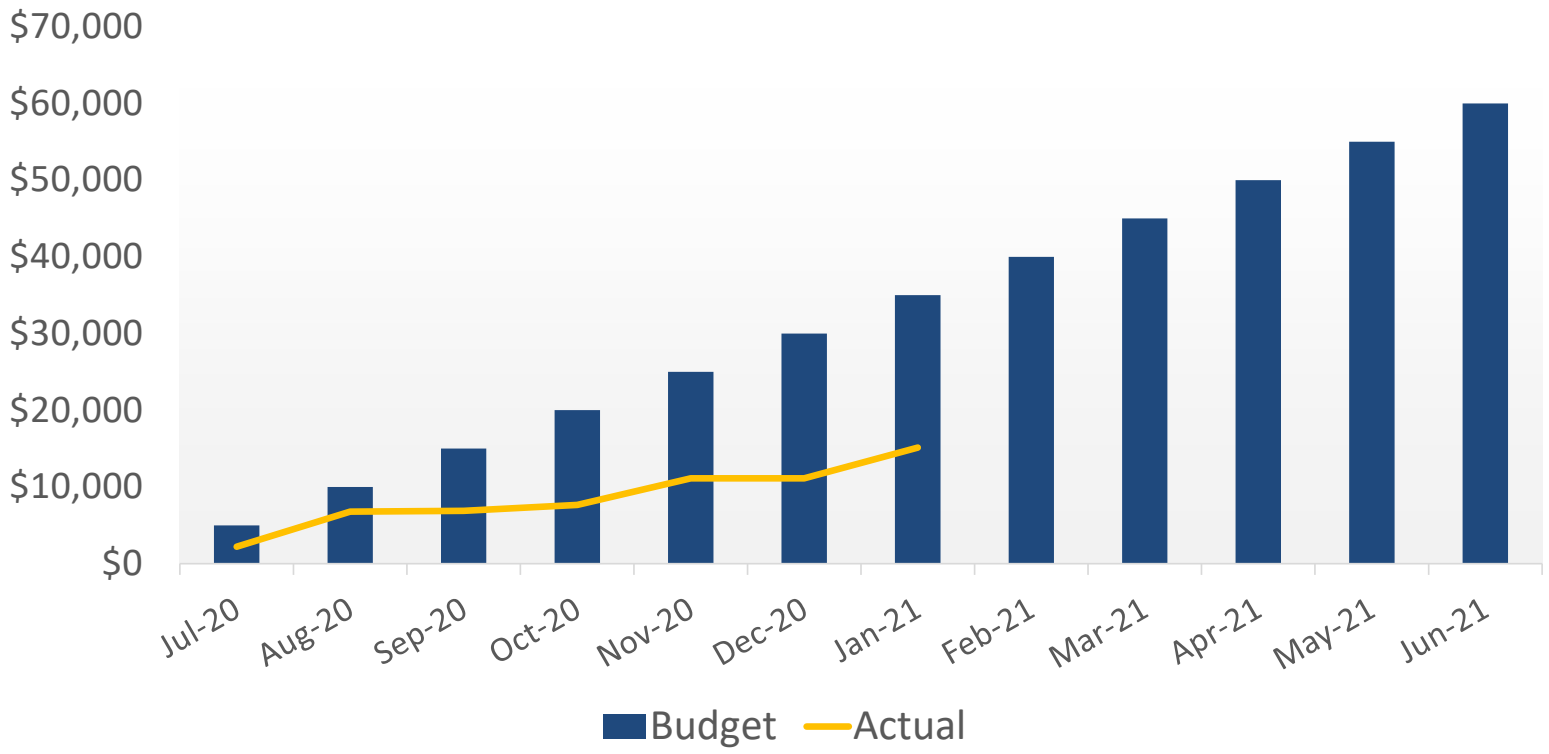
Hallmark Group – Budget-to-Actuals

Task Order No. 6



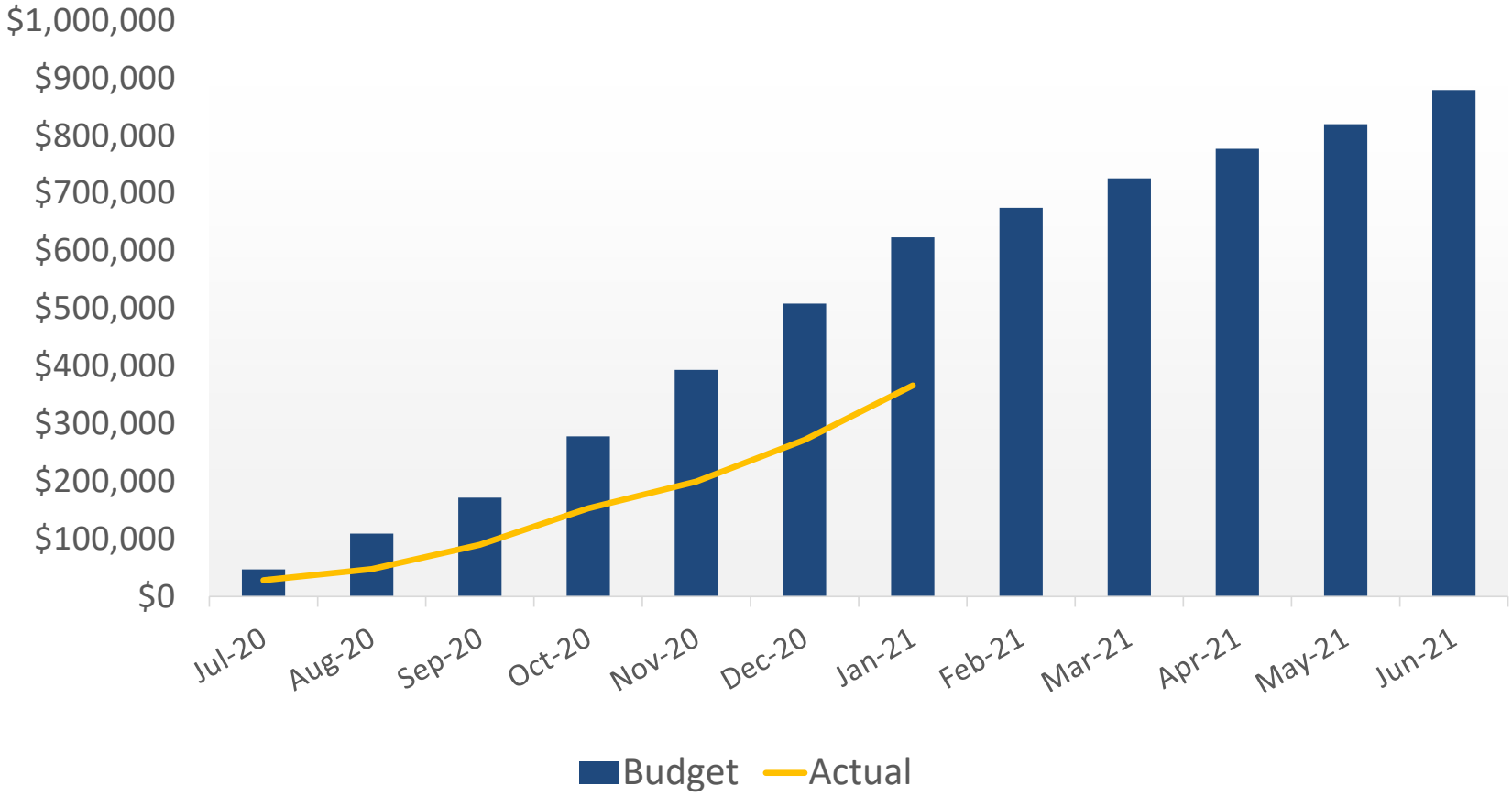
Legal Counsel – Budget-to-Actuals

FY 20-21



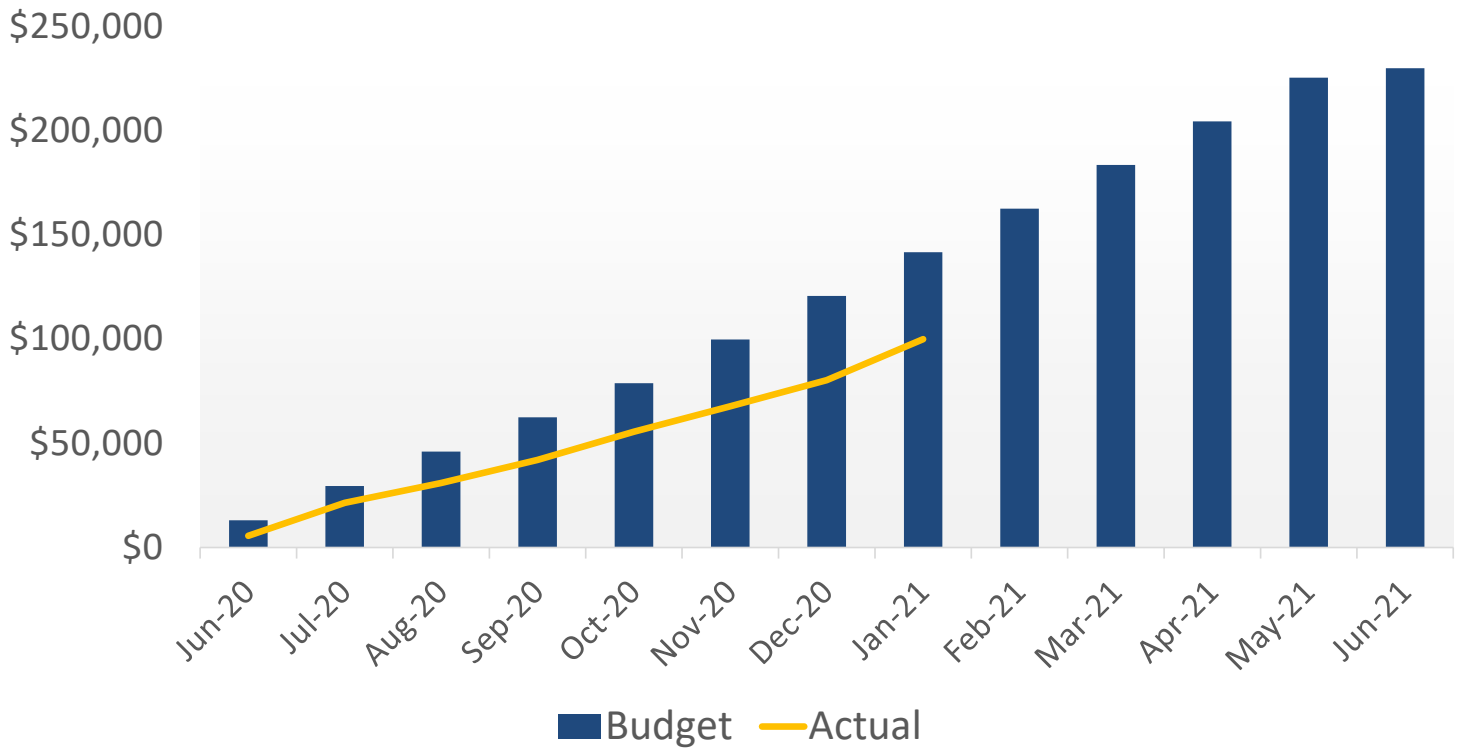
Woodard & Curran – Budget-to-Actuals

Task Order No. 8

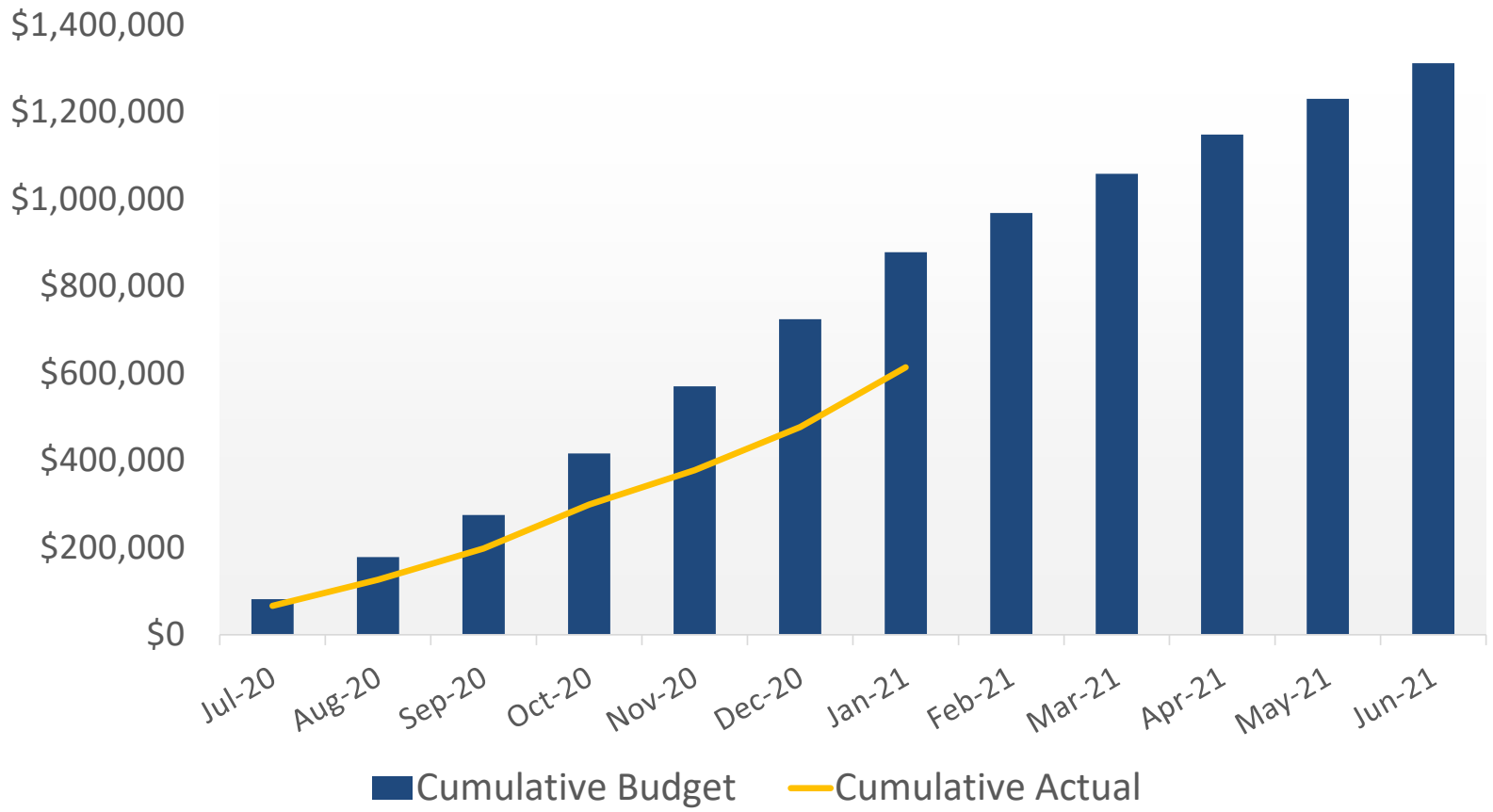


Provost & Pritchard – Budget-to-Actuals

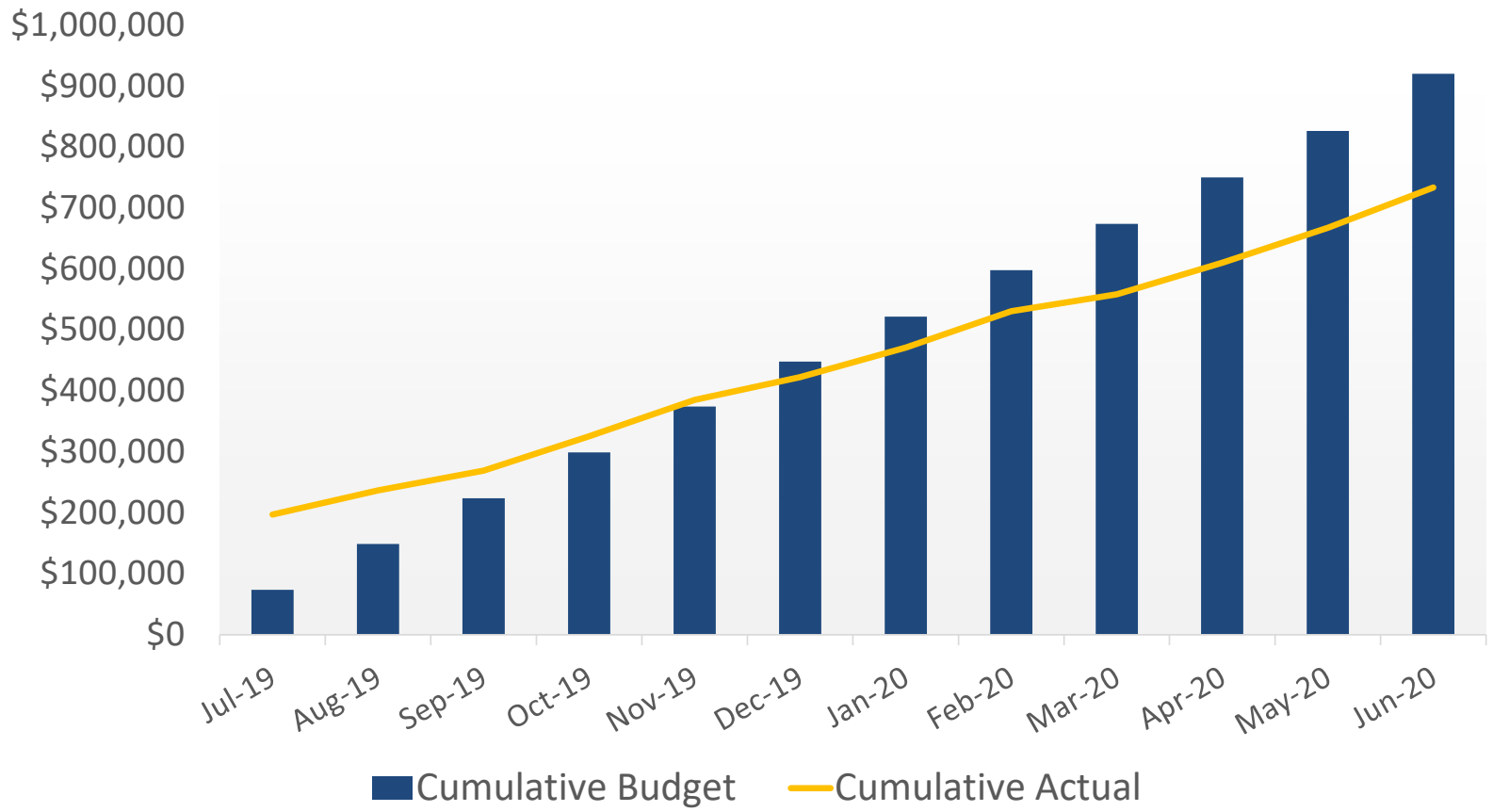
Contract Inception-To-Date



CBGSA FY 20-21 – Budget-to-Actuals



CBGSA FY 19-20 – Budget-to-Actuals



TO: Board of Directors
Agenda Item No. 14c

FROM: Taylor Blakslee, Hallmark Group

DATE: March 3, 2021

SUBJECT: Update on Administration of FY 21-22 Groundwater Extraction Fee

Issue
Update on administration of Fiscal Year 21-22 Groundwater Extraction Fee.

Recommended Motion
None – information only.

Discussion
To develop the upcoming Fiscal Year 2021-2022 groundwater extraction fee, staff has proposed the following tasks and schedule.

No.	Task	Schedule
1	Determine 2020 water use via mailings and direct outreach to pumpers	Mar-Apr
2	Develop the Fiscal Year 2021-2022 Budget with feedback from the budget ad hoc	Mar-May. Present final draft at May 5, 2021 Board meeting
3	Develop the fee report including the fee (FY 21-22 budget/reported 2020 pumping)	Apr-May
4	Hold rate hearing	May 5, 2021 (Board day)
5	Distribute invoices	Beginning of May 2021

TO: Board of Directors
Agenda Item No. 14d

FROM: Taylor Blakslee, Hallmark Group

DATE: March 3, 2021

SUBJECT: Update on FY 21-22 Budget

Issue
Update on the draft fiscal year 21-22 budget components.

Recommended Motion
None – information only.

Discussion
To prepare for the Fiscal Year 2021-2022 budget, staff developed a draft component list and reviewed this with the budget ad hoc (Directors Bantilan, Chounet, Williams, and Wooster, and staff Matt Young and Matt Klinchuch) on February 18, 2021. This list is provided as Attachment 1.

The next step is for staff to price these items out and review with the budget ad hoc prior to presenting a final draft budget at the May 5, 2021 Board meeting.

Staff intends to hold a rate hearing to establish the Fiscal Year 2021-22 groundwater extraction fee at the May 5, 2021 Board meeting, but the hearing is contingent on the Board adopting the FY 21-22 budget earlier in the meeting. If the budget is not adopted in May 2021, a non-budgeted special Board will need to be scheduled for June 2021 to pass the budget and rate hearing.

DRAFT CBGSA FY 2021-22 BUDGET COMPONENT LIST

A	**HALLMARK GROUP**	
1	CBGSA Board of Directors Meetings	
2	Consultant Management and GSP Implementation	
3	Financial Information Coordination	
4	Cuyama Basin GSA Outreach	
5	FY 21-22 Groundwater Extraction Fee Administration (Collection)	
6	FY 22-23 Groundwater Extraction Fee Development (Fee Report, 1 Hearing, Collection)	
7	Management Area Admin - Administration	
8	Management Area Admin - Monthly Coordination Call	
9	Support for CBGSA Response to DWR and Public Comments	
10	Other Direct Charges (Mileage, conference lines, copies)	
B	**LEGAL**	
1	General Legal Counsel, Including:	
2	Groundwater Extraction Fee - Public Hearing, Notice, etc.	
3	Management Area Admin - Administration	
C	**ADMIN**	
1	Audit - FY 21-22	
2	Insurance (D&O, General Liability)	
3	California Association of Mutual Water Co. Membership	
4	Contingency	
D	**WOODARD & CURRAN & TECHNICAL**	
1	Grant Proposals	
2	Stakeholder/Board Engagement	
3	SAC meetings	
4	Board meetings	
5	Board Ad-hoc calls	
6	Public Workshops	
7	Outreach	
8	General, Newsletter development, etc.	
9	Website Updates - Maintenance / Hosting	
10	Support for DWR Technical Services	
11	GSP Implementation Support	
12	GSP Implementation Program Management	
13	GW Levels Monitoring Network Coordination and Data Mgmt - W&C	
14	DMS Maintenance and Enhancements	
15	Update DMS with Non-Digitized Records	
16	Support for Adaptive Management of GW Levels	
17	Prepare Annual Report for Cuyama Basin	
18	Model Refinement - Decision Support Tool	
19	Develop Model Update Plan for FY 22-23	
20	Meter Implementation - Ongoing Support	
21	Management Area Admin - Review CBWD Progress / Technical Support	
22	Support for CBGSA Response to DWR and Public Comments	
23	GSP 5-year Evaluation/Update	

	Grant Funded or Applied for Grant Funding
24	Grant Admin - Prop 68 Implementation (if awarded)
25	Develop updated land use estimates for 2018-2020
26	Perform Aquifer Testing (assume 4 wells)
27	CIMIS Station Improvements
28	Improve existing CIMIS station
29	Install new CIMIS stations
30	Piezometer Installation
31	Installation of Dedicated Monitoring Wells
32	Precipitation enhancement feasibility study
33	Stormwater capture water rights analysis
34	Update of Cuyama Basin Groundwater Model
35	Update model data to incorporate additional data and to extend to 2020
36	Perform model-recalibration
37	Meetings with Technical Forum members
38	Develop updated historical and projected water budget estimates
39	Perform Analysis of Water Management Action Simulation Options
40	Category 1 (Funded) - *field work* (Stream Gauges and Transducers)
41	DWR Grant Administration (Prop 68 GSP Development)

E	**OTHER TECHNICAL**
1	Quarterly GW Levels Monitoring (Contractor TBD)
2	Annual WQ Monitoring (Contractor TBD)
3	Quarterly Piezometer Monitoring (Contractor TBD)
4	Annual Stream Gauge Maintenance (USGS)
5	Permits for Potential Well Installations

TO: Board of Directors
Agenda Item No. 15a

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Update on Groundwater Sustainability Plan Activities

Issue
Update on Woodard & Curran's accomplishments for Dec-Jan 2021 and project schedule.

Recommended Motion
None – information only.

Discussion
Cuyama Basin Groundwater Sustainability Agency (CBGSA) Groundwater Sustainability Plan (GSP) consultant Woodard & Curran's (W&C) accomplishments are provided as Attachment 1 and the project schedule is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

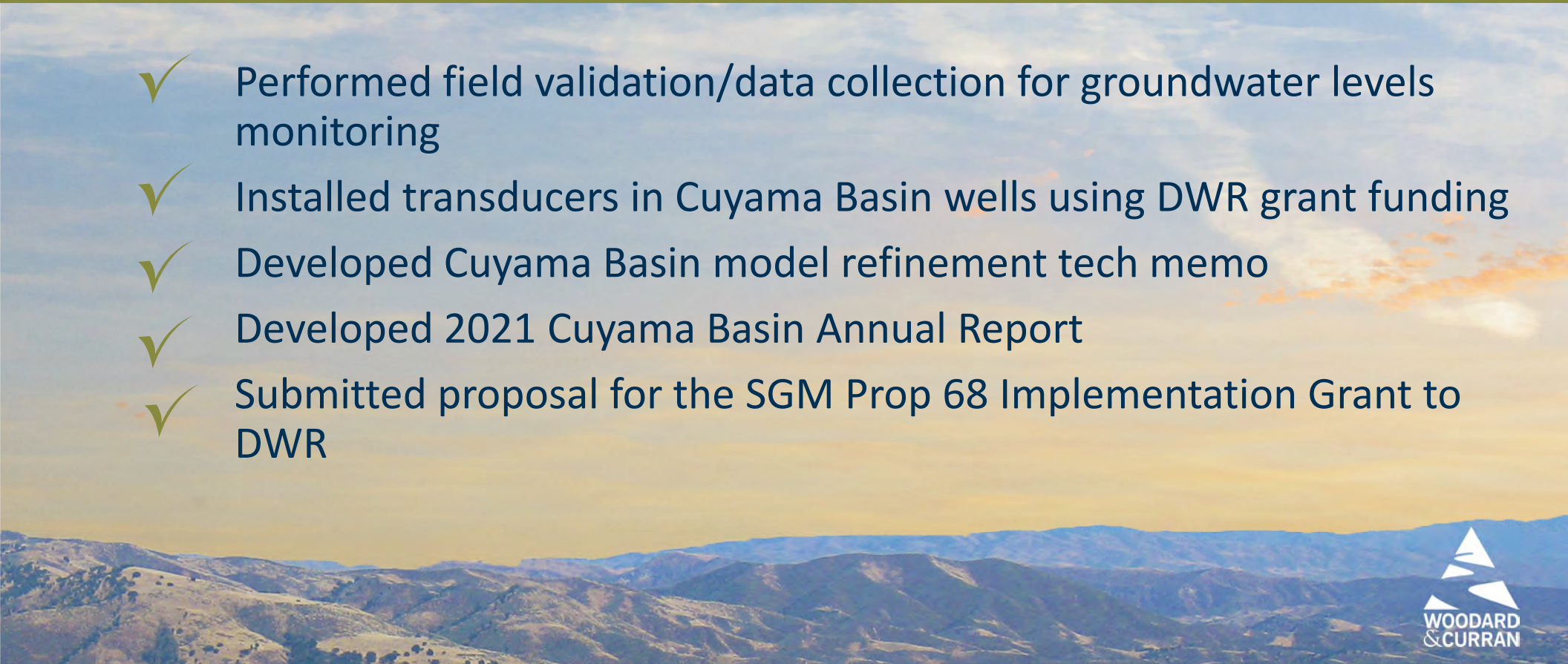
Groundwater Sustainability Plan Update

March 3, 2021

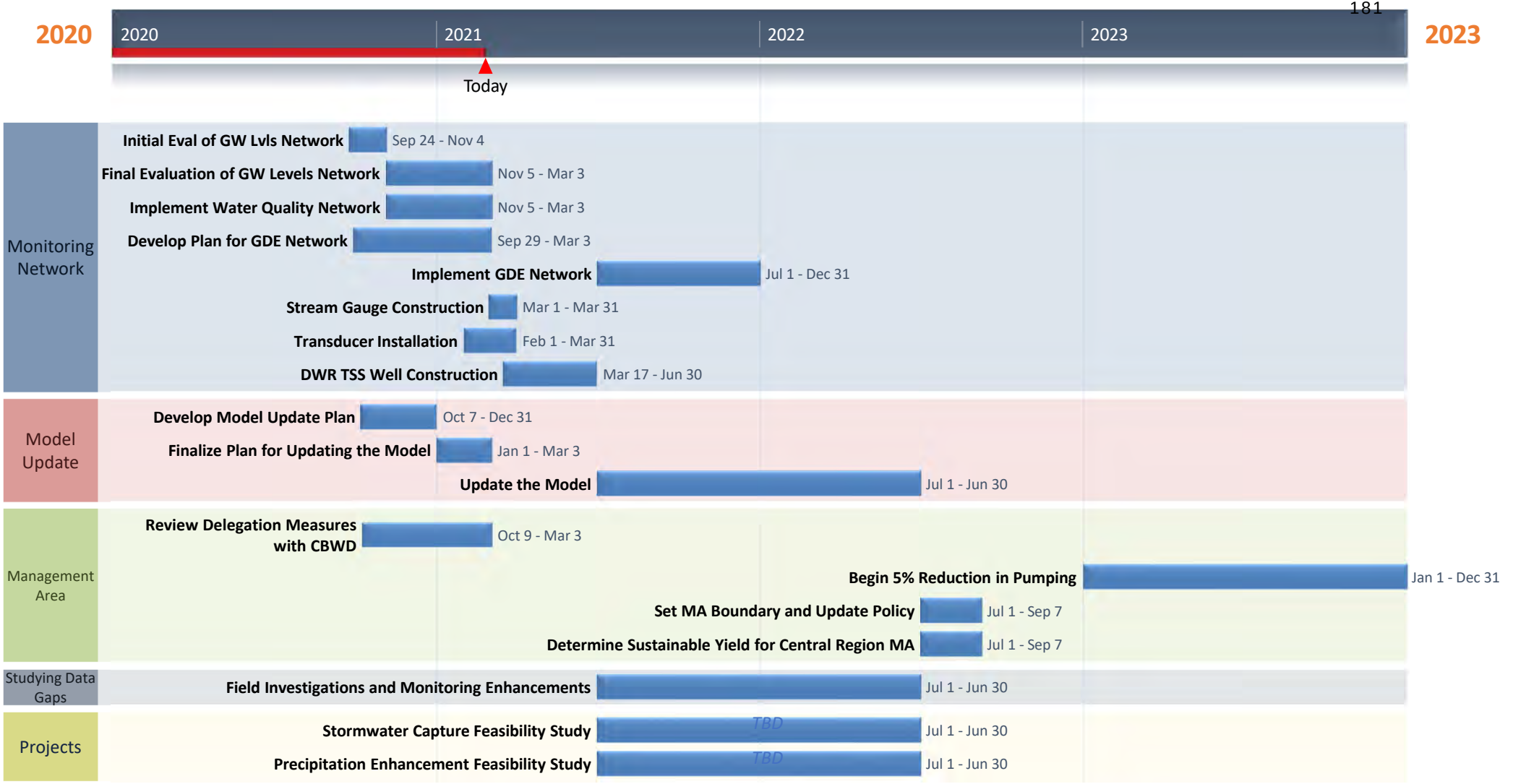
WOODARD &CURRAN

January-February Accomplishments

- ✓ Performed field validation/data collection for groundwater levels monitoring
- ✓ Installed transducers in Cuyama Basin wells using DWR grant funding
- ✓ Developed Cuyama Basin model refinement tech memo
- ✓ Developed 2021 Cuyama Basin Annual Report
- ✓ Submitted proposal for the SGM Prop 68 Implementation Grant to DWR



WOODARD &CURRAN


2020
2020
2021
2022
2023
2023
Today
Monitoring Network
Initial Eval of GW Lvls Network
Sep 24 - Nov 4
Final Evaluation of GW Levels Network
Nov 5 - Mar 3
Implement Water Quality Network
Nov 5 - Mar 3
Develop Plan for GDE Network
Sep 29 - Mar 3
Implement GDE Network
Jul 1 - Dec 31
Stream Gauge Construction
Mar 1 - Mar 31
Transducer Installation
Feb 1 - Mar 31
DWR TSS Well Construction
Mar 17 - Jun 30
Model Update
Develop Model Update Plan
Oct 7 - Dec 31
Finalize Plan for Updating the Model
Jan 1 - Mar 3
Update the Model
Jul 1 - Jun 30
Management Area
Review Delegation Measures with CBWD
Oct 9 - Mar 3
Begin 5% Reduction in Pumping
Jan 1 - Dec 31
Set MA Boundary and Update Policy
Jul 1 - Sep 7
Determine Sustainable Yield for Central Region MA
Jul 1 - Sep 7
Studying Data Gaps
Field Investigations and Monitoring Enhancements
Jul 1 - Jun 30
Projects
Stormwater Capture Feasibility Study
TBD
Jul 1 - Jun 30
Precipitation Enhancement Feasibility Study
TBD
Jul 1 - Jun 30

TO: Board of Directors
Agenda Item No. 15d

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Update on Monitoring Network Implementation

Issue
Update on Monitoring Network Implementation.

Recommended Motion
None – information only.

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

Cuyama Basin Groundwater Sustainability Agency

Update on Monitoring Network Implementation

March 3, 2021

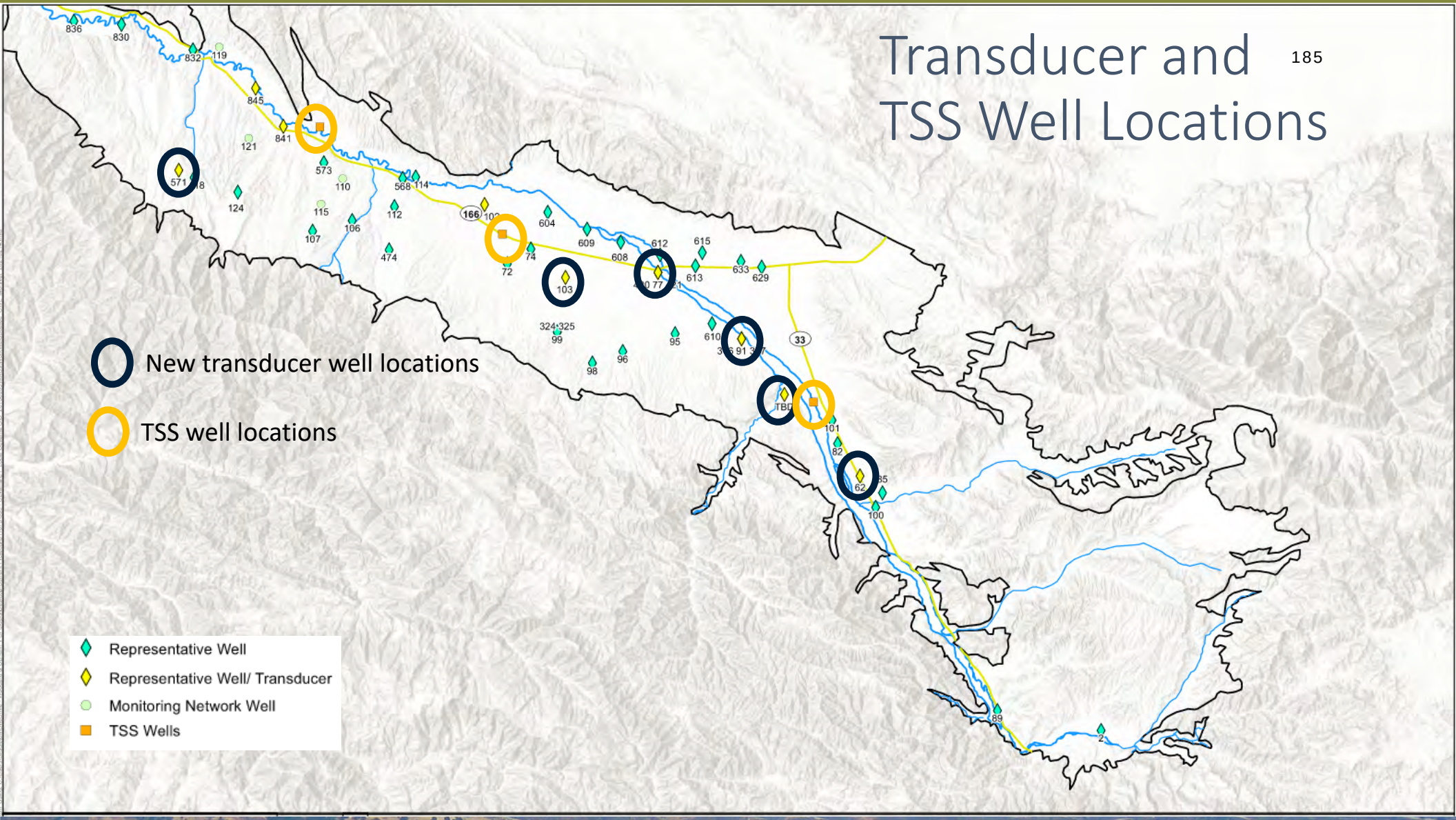
WOODARD &CURRAN

Groundwater Levels Monitoring Network Status Update – DWR TSS and Category 1

- Installation of new wells by DWR Technical Support Services
  - Currently working with DWR and landowners to finalize permits and agreements
  - Installation is scheduled to start in February and to be completed by July
- Installation of transducers with DWR Category 1 grant funding
  - 8 of the 10 transducers were installed in February; the remaining 2 will be installed in March

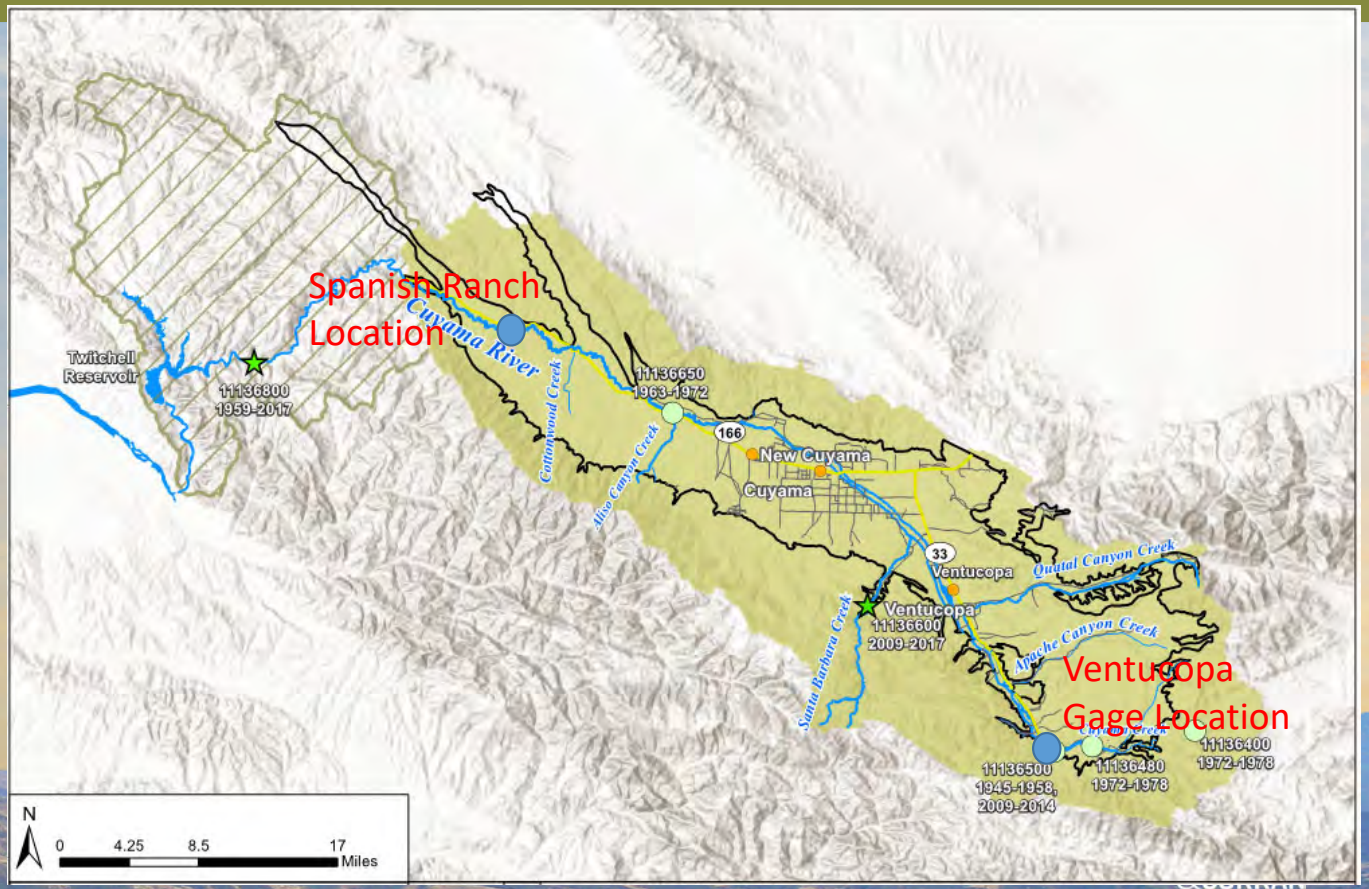
WOODARD &CURRAN

Transducer and TSS Well Locations



Stream Gage Implementation – FY 2020-21

- 2 new streamflow gages will be installed by USGS using Category 1 grant funding from DWR:
  - Upstream of Ventucopa
  - Spanish Ranch
- Gage installation at both locations anticipated by end of March



TO: Board of Directors
Agenda Item No. 15e

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Update on Monthly Groundwater Conditions Report

Issue
Update on Monthly Groundwater Conditions Report.

Recommended Motion
None – information only.

Discussion
An update regarding the groundwater levels monitoring network and select hydrographs is provided as Attachment 1. The detailed January 2021 Groundwater Conditions Report is provided as Attachment 2.

Staff has removed data comparing current levels to last year's (2019) levels since the limited data available is predominantly for March and October 2019. Since water levels fluctuate seasonally, staff will include comparisons to last years' levels once data is collected for like months.

Cuyama Basin Groundwater Sustainability Agency

Update on Groundwater Levels Monitoring

March 3, 2021

WOODARD &CURRAN

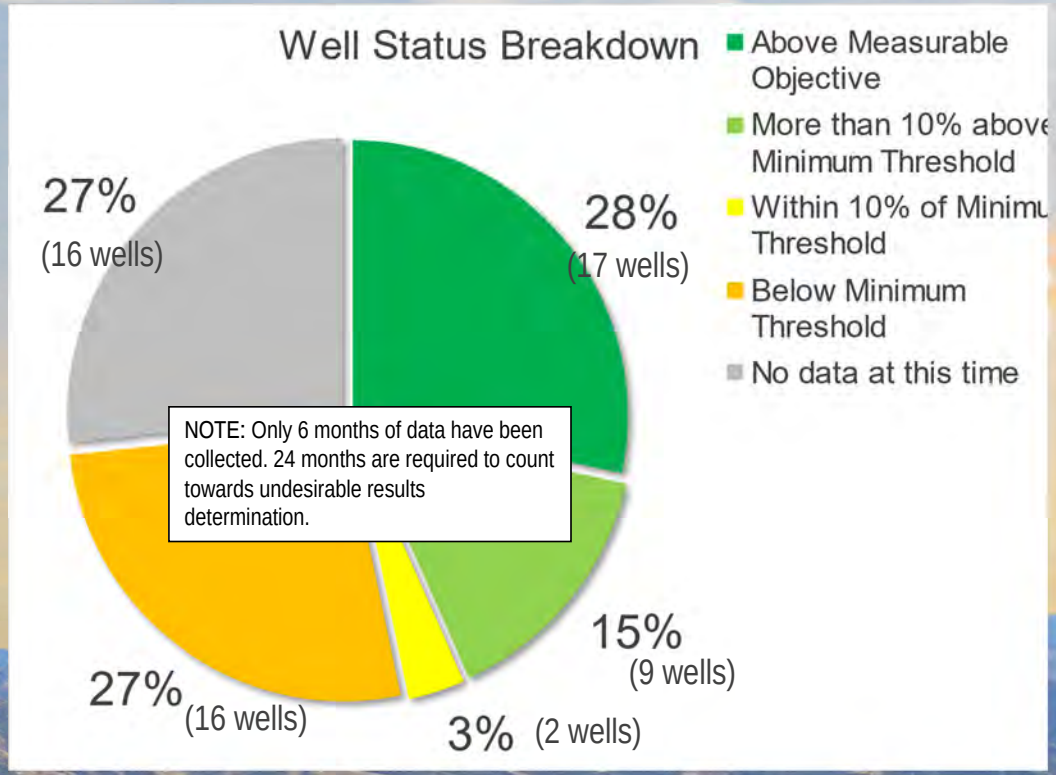
Groundwater Levels Monitoring Network Implementation – Status Update

- Monitoring data from Nov-Jan for representative wells is included in Board packet monitoring summary report
- 44 of 60 representative monitoring wells have levels data in January
- Only small changes in conditions between December and January:
  - All of the same wells that were below the minimum threshold (MT) in December are still below the MT in January

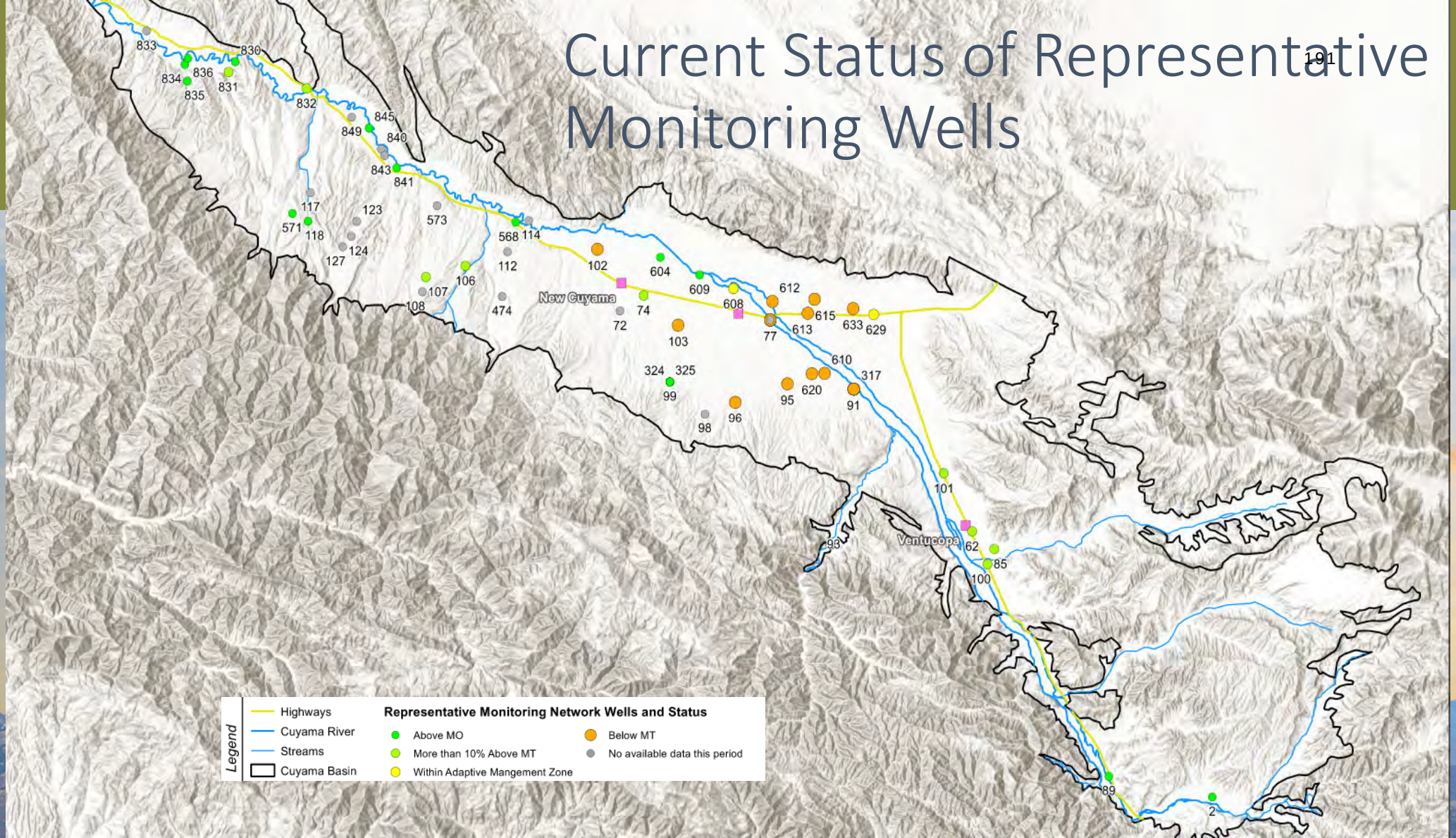
WOODARD &CURRAN

Summary of Groundwater Well Levels as Compared To Sustainability Criteria

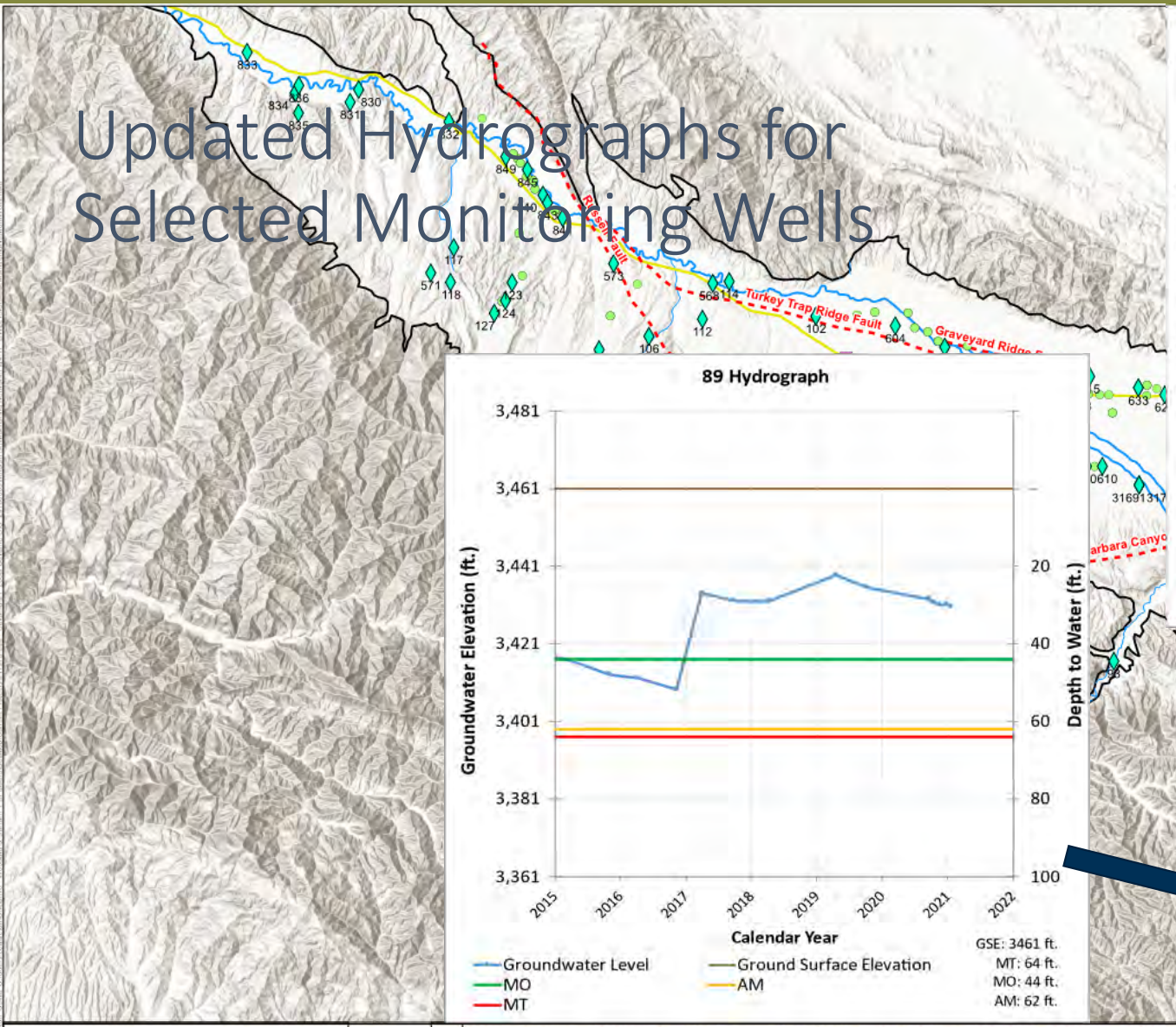
- 15 wells are currently below minimum threshold (MT)
  - 8 of these were already below MT at time of GSP adoption
- Adaptive management recommendation:
  - Continue monitoring to see how many wells recover in the Spring
  - Develop response options if needed

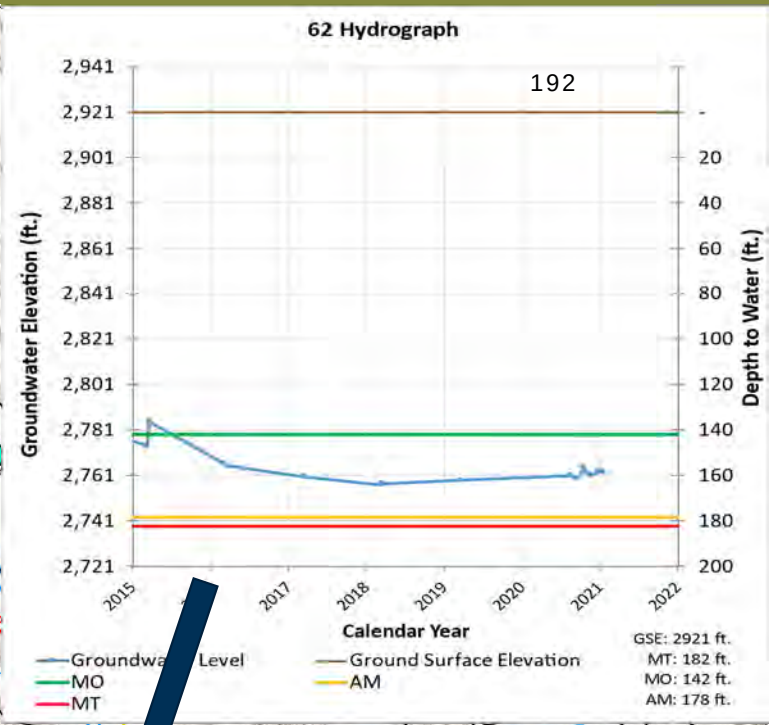


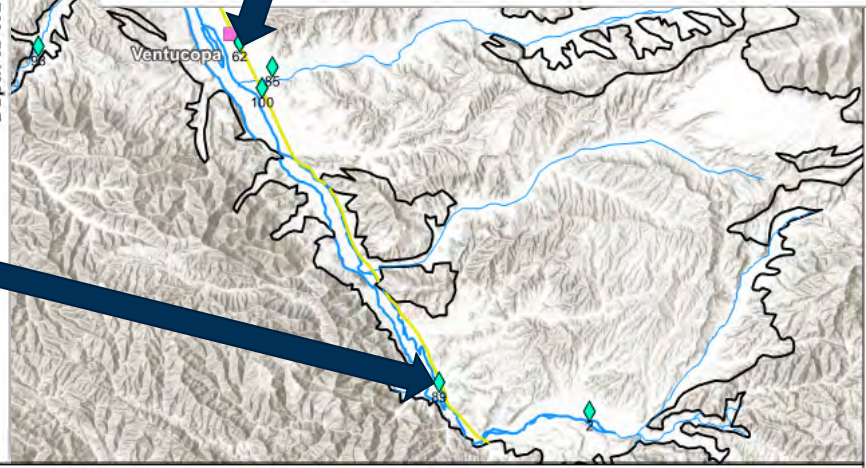
Current Status of Representative Monitoring Wells



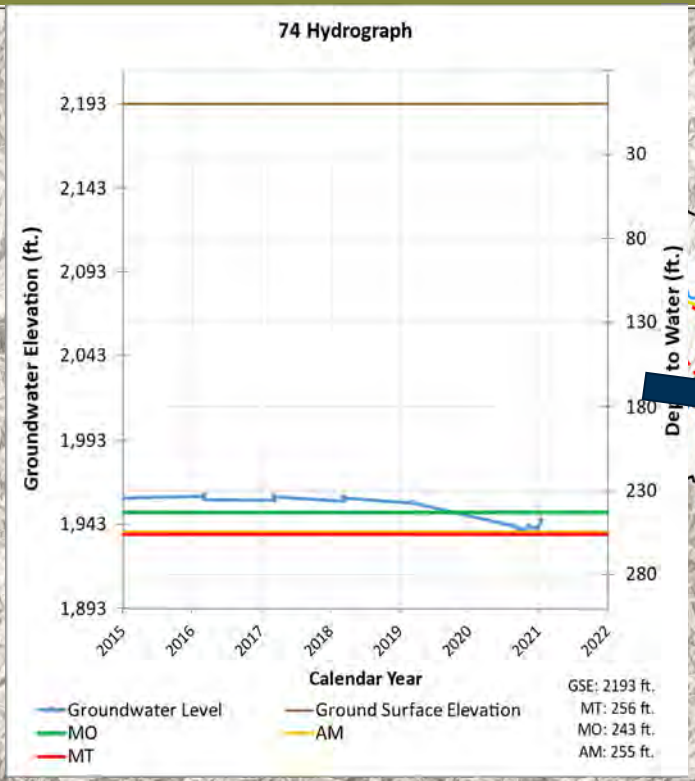
Updated Hydrographs for Selected Monitoring Wells

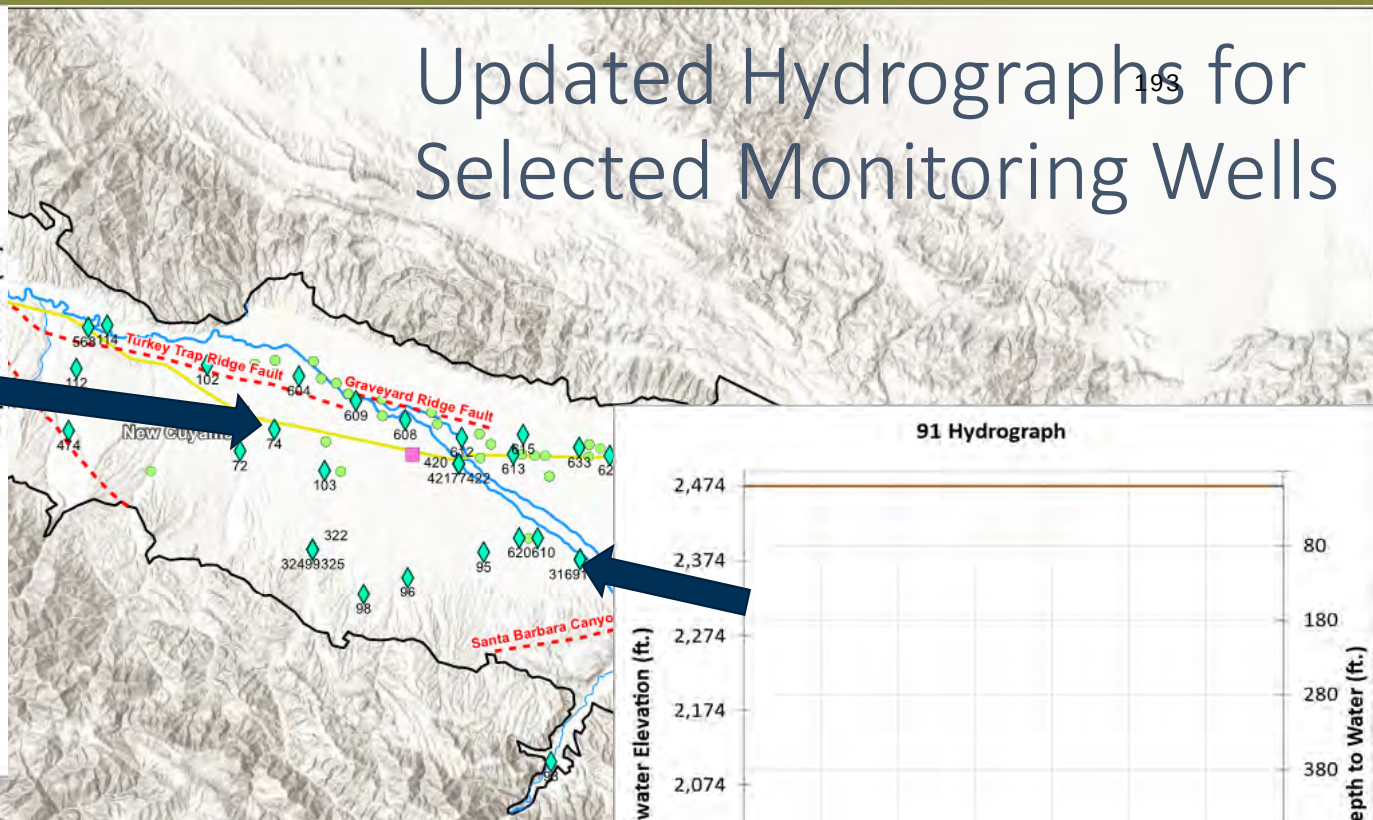


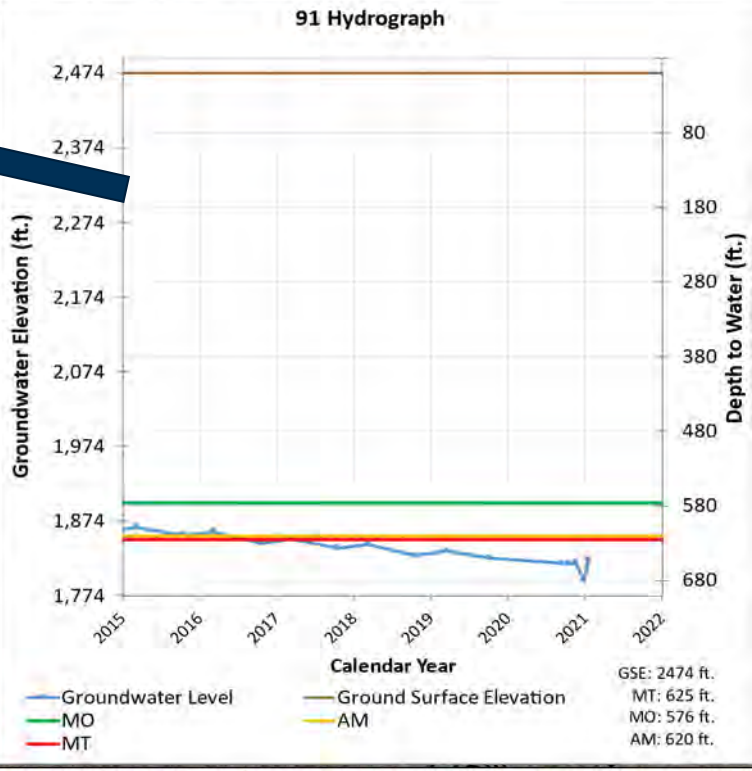




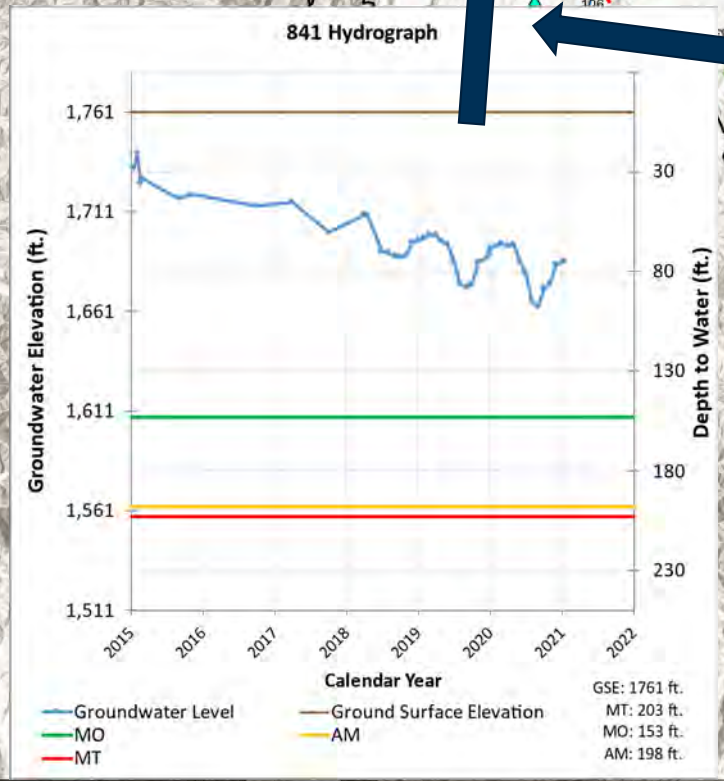
Updated Hydrographs for Selected Monitoring Wells

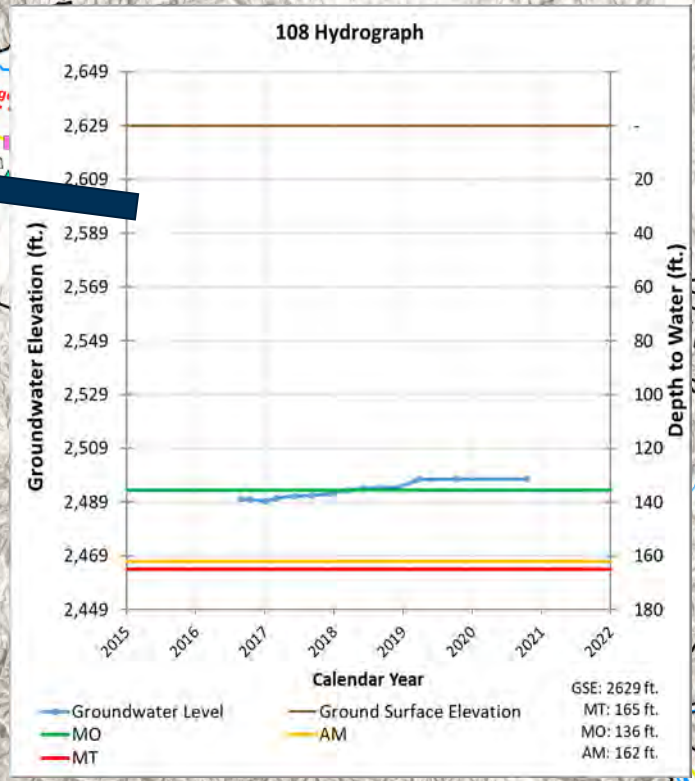






Updated Hydrographs for Selected Monitoring Wells





Attachment 2

GROUNDWATER CONDITIONS REPORT – CUYAMA VALLEY GROUNDWATER BASIN

January 2021

801 T Street
Sacramento, CA.
916.999.8700

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

Cuyama Valley Groundwater Sustainability Agency

TABLE OF CONTENTS

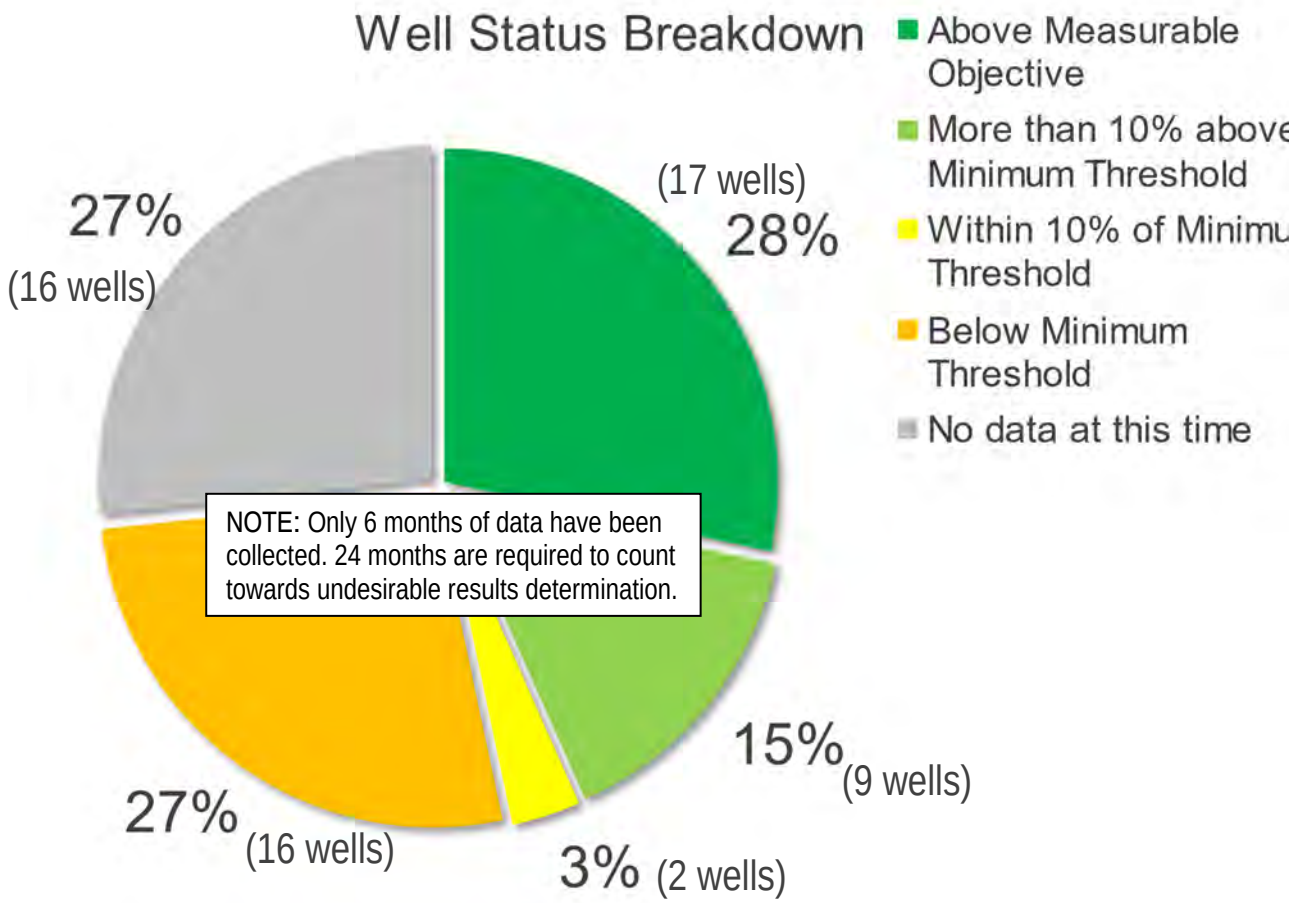
TABLES

FIGURES

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 Groundwater Sustainability Agency, in compliance with the Sustainable Groundwater Management Act.

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).

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. The change is elevation is from approximately one year previous to the most current measurement. Table 2 includes all of the wells and their current status in relation to the thresholds applied to each well, while Figure 1 shows the all wells and their statuses.

All measurements have also be 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	Nov-20	Dec-20	Jan-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
72	Central	-	-	-			
74	Central	1939	1940	1945			
77	Central	1793	1819	1822			
91	Central	1816	1794	1822			
95	Central	1852	1854	1854			
96	Central	2271	2272	2272			
98	Central	-	-	-			
99	Central	2161	2219	2222			
102	Central	-	-	1776			
103	Central	1960	1988	1994			
112	Central	2055	-	-			
114	Central	1754	-	-			
316	Central	1811	1818	1820			
317	Central	1811	1819	1820			
322	Central	2158	2221	2222			
324	Central	2174	2219	2220			
325	Central	2197	2221	2222			
420	Central	1792	1818	1821			
421	Central	1796	1816	1819			
422	Central	1830	-	-			

Well	Region	Nov-20	Dec-20	Jan-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
474	Central	2197	-	-			
568	Central	1867	1868	1869			
604	Central	1641	1646	1654			
608	Central	1809	1788	1790			
609	Central	1791	1802	1807			
610	Central	1813	1820	1818			
612	Central	1808	1800	1801			
613	Central	-	1816	1804			
615	Central	1818	1822	1821			
620	Central	1836	1814	1814			
629	Central	1882	1823	1822			
633	Central	-	1803	1801			
62	Eastern	2764	2763	2763			
85	Eastern	2844	2845	2845			
100	Eastern	2852	2852	2853			
101	Eastern	-	2633	2634			
840	Northwestern	-	-	-			
841	Northwestern	1761	1684	1686			
843	Northwestern	-	-	-			
845	Northwestern	1712	1649	1650			
849	Northwestern	-	-	-			

Well	Region	Nov-20	Dec-20	Jan-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
2	Southeastern	3695	3689	3690			
89	Southeastern	3432	3432	3431			
106	Western	2184	2184	2184			
107	Western	2399	2399	2399			
108	Western	2498	-	-			
117	Western	-	-	-			
118	Western	2215	2214	2214			
123	Western	-	-	-			
124	Western	-	-	-			
127	Western	-	-	-			
571	Western	2178	2187	2188			
573	Western	2014	-	-			
830	Far-West Northwestern	-	1515	1515			
831	Far-West Northwestern	-	1505	1494			
832	Far-West Northwestern	1593	1592	1593			
833	Far-West Northwestern	1405	-	-			

Well	Region	Nov-20	Dec-20	Jan-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
834	Far-West Northwestern	-	1467	1467			
835	Far-West Northwestern	-	1518	1519			
836	Far-West Northwestern	-	1448	1450			

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)	Month/ Year						
72	Central	-	-	169	165	124	790	No available data this period	No
74	Central	248	1/18/2021	256	255	243	n/a	More than 10% above Minimum Threshold	No
77	Central	464	1/19/2021	450	445	400	980	Below Minimum Threshold (5 months)	No
91	Central	652	1/18/2021	625	620	576	980	Below Minimum Threshold (5 months)	No
95	Central	595	1/18/2021	573	570	538	805	Below Minimum Threshold (6 months)	No
96	Central	334	1/18/2021	333	332	325	500	Below Minimum Threshold (2 months)	No
98	Central	-	-	450	449	439	750	No available data this period	No
99	Central	291	1/19/2021	311	310	300	750	Above Measurable Objective	No
102	Central	270	1/18/2021	235	231	197	n/a	Below Minimum Threshold (1 month)	No
103	Central	295	1/18/2021	290	285	235	1030	Below Minimum Threshold (6 months)	No
112	Central	-	-	87	87	85	441	No available data this period	No
114	Central	-	-	47	47	45	58	No available data this period	No
316	Central	654	1/19/2021	623	618	574	830	Below Minimum Threshold (5 months)	No
317	Central	654	1/19/2021	623	618	573	700	Below Minimum Threshold (5 months)	No
322	Central	291	1/19/2021	307	306	298	850	Above Measurable Objective	No
324	Central	293	1/19/2021	311	310	299	560	Above Measurable Objective	No
325	Central	291	1/19/2021	300	299	292	380	Above Measurable Objective	No
420	Central	465	1/19/2021	450	445	400	780	Below Minimum Threshold (5 months)	No
421	Central	467	1/19/2021	446	441	398	620	Below Minimum Threshold (5 months)	No
422	Central	-	1/19/2021	444	439	397	460	No available data this period	No

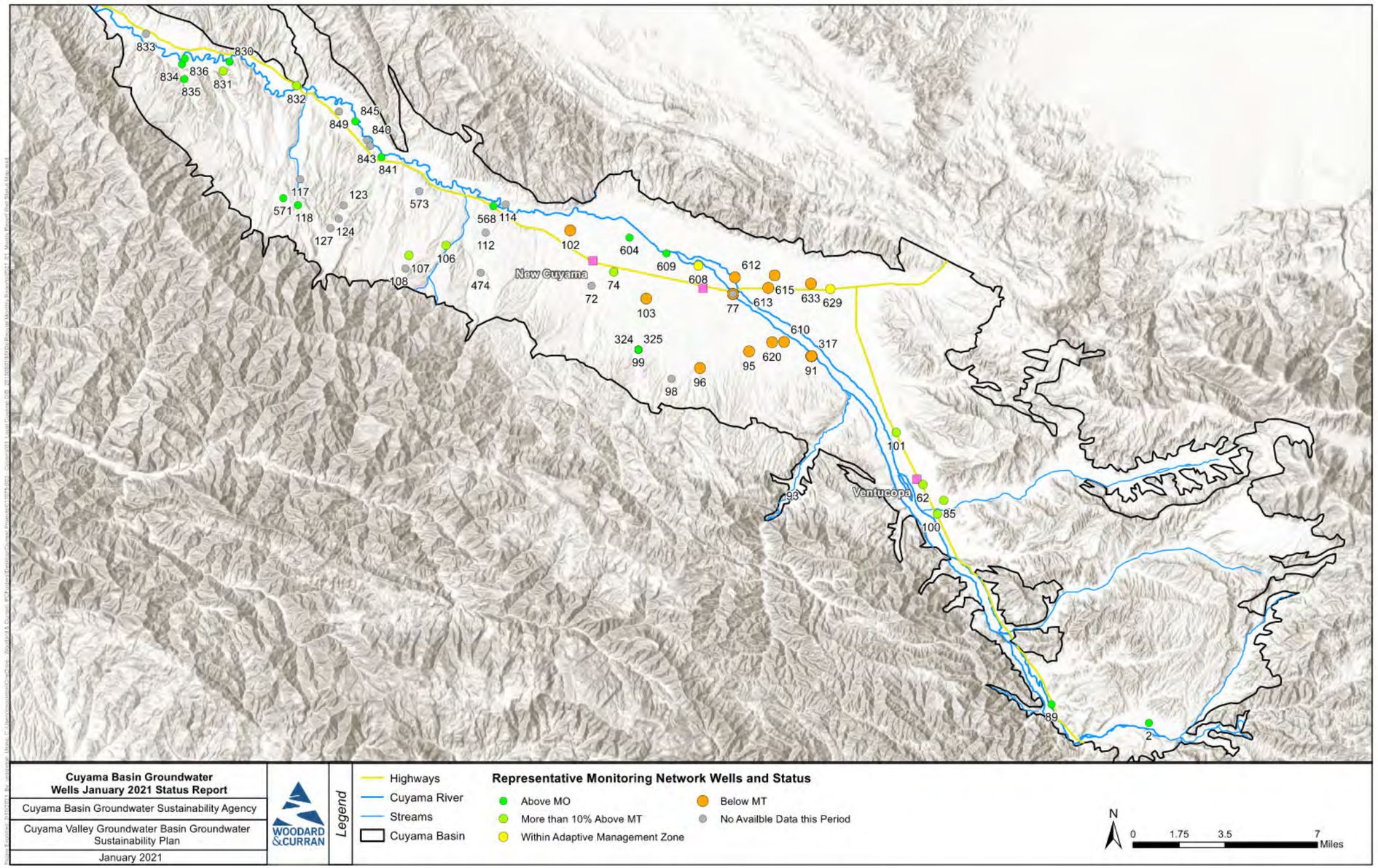
Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Month/ Year						
474	Central	-	-	188	186	169	213	No available data this period	No
568	Central	36	1/18/2021	37	37	36	188	Above Measurable Objective	No
604	Central	471	1/18/2021	526	522	487	924	Above Measurable Objective	No
608	Central	434	1/18/2021	436	433	407	745	Within Adaptive Management Zone	No
609	Central	360	1/18/2021	458	454	421	970	Above Measurable Objective	No
610	Central	624	1/18/2021	621	618	591	780	Below Minimum Threshold (6 months)	No
612	Central	465	1/18/2021	463	461	440	1070	Below Minimum Threshold (2 months)	No
613	Central	526	1/18/2021	503	500	475	830	Below Minimum Threshold (3 months)	No
615	Central	506	1/18/2021	500	497	468	865	Below Minimum Threshold (2 months)	No
620	Central	618	1/21/2021	606	602	566	1035	Below Minimum Threshold (3 months)	No
629	Central	557	1/18/2021	559	556	527	1000	Within Adaptive Management Zone	No
633	Central	563	1/18/2021	547	542	493	1000	Below Minimum Threshold (6 months)	No
62	Eastern	158	1/18/2021	182	178	142	212	More than 10% above Minimum Threshold	No
85	Eastern	202	1/18/2021	233	225	147	233	More than 10% above Minimum Threshold	No
100	Eastern	151	1/18/2021	181	175	125	284	More than 10% above Minimum Threshold	No
101	Eastern	107	1/18/2021	111	108	81	200	More than 10% above Minimum Threshold	No
840	Northwestern	-	-	203	198	153	900	No available data this period	No
841	Northwestern	75	1/15/2021	203	198	153	600	Above Measurable Objective	No
843	Northwestern	-	-	203	198	153	620	No available data this period	No
845	Northwestern	62	1/15/2021	203	198	153	380	Above Measurable Objective	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Month/ Year						
849	Northwestern	-	-	203	198	153	570	No available data this period	No
2	Southeastern	30	1/18/2021	72	70	55	73	Above Measurable Objective	No
89	Southeastern	30	1/18/2021	64	62	44	125	Above Measurable Objective	No
106	Western	143	1/19/2021	154	153	141	228	More than 10% above Minimum Threshold	No
107	Western	83	1/19/2021	91	89	72	200	More than 10% above Minimum Threshold	No
108	Western	-	-	165	162	136	329	No available data this period	No
117	Western	-	-	160	159	151	212	No available data this period	No
118	Western	56	1/21/2021	124	117	57	500	Above Measurable Objective	No
123	Western	-	-	31	29	13	138	No available data this period	No
124	Western	-	-	73	71	57	161	No available data this period	No
127	Western	-	-	42	41	32	100	No available data this period	No
571	Western	119	1/21/2021	144	142	121	280	Above Measurable Objective	No
573	Western	-	-	118	113	68	404	No available data this period	No
830	Far-West Northwestern	56	1/19/2021	59	59	56	77	Above Measurable Objective	No
831	Far-West Northwestern	63	1/19/2021	77	75	52	214	More than 10% above Minimum Threshold	No
832	Far-West Northwestern	37	1/19/2021	45	44	30	132	More than 10% above Minimum Threshold	No
833	Far-West Northwestern	-	-	96	89	24	504	No available data this period	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Month/ Year						
834	Far-West Northwestern	41	1/21/2021	84	80	42	320	Above Measurable Objective	No
835	Far-West Northwestern	36	1/21/2021	55	53	36	162	Above Measurable Objective	No
836	Far-West Northwestern	36	1/21/2021	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



4. HYDROGRAPHS

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

Figure 2: Southeast Region – Well 89

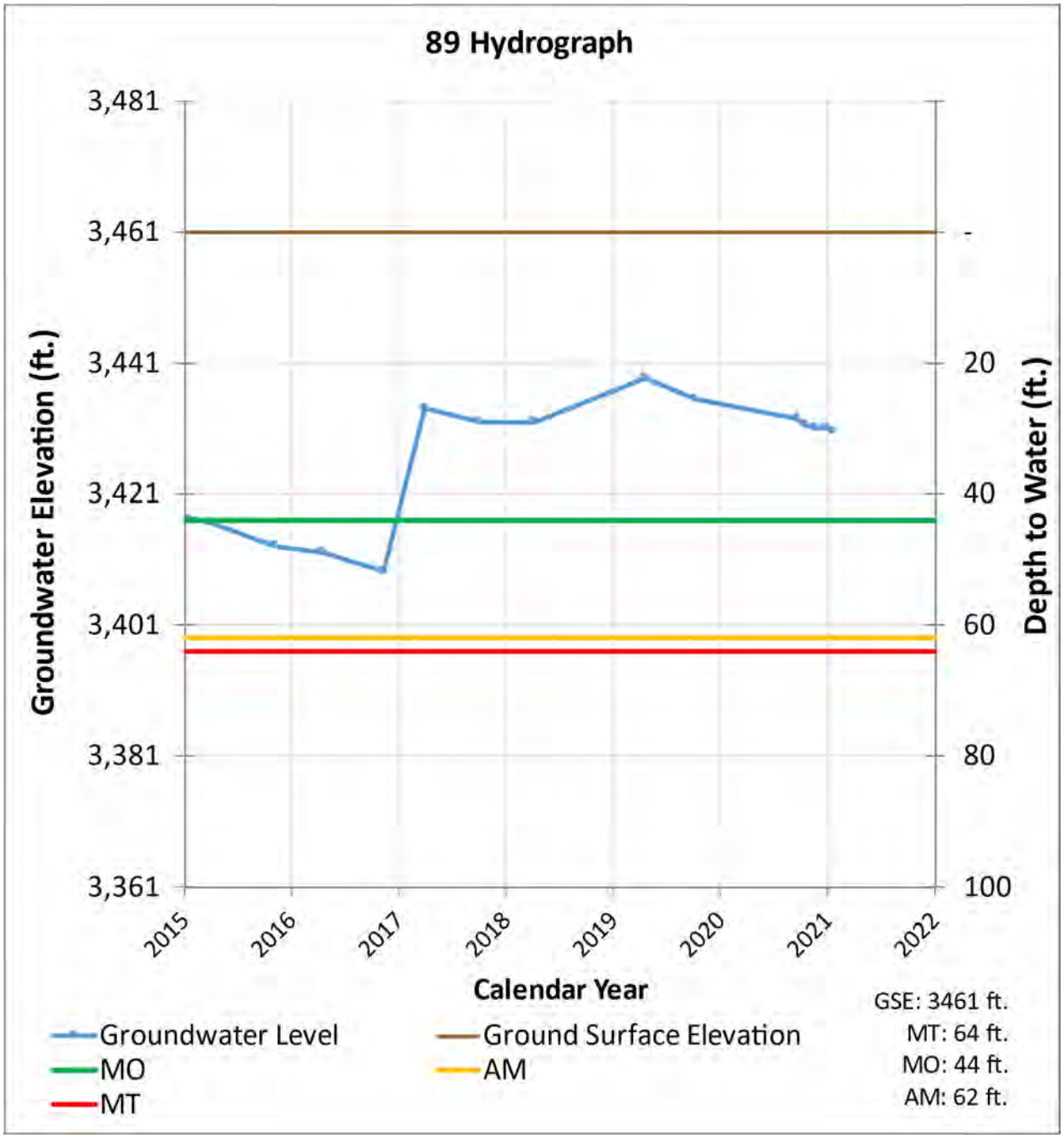


Figure 3: Eastern Region – Well 62

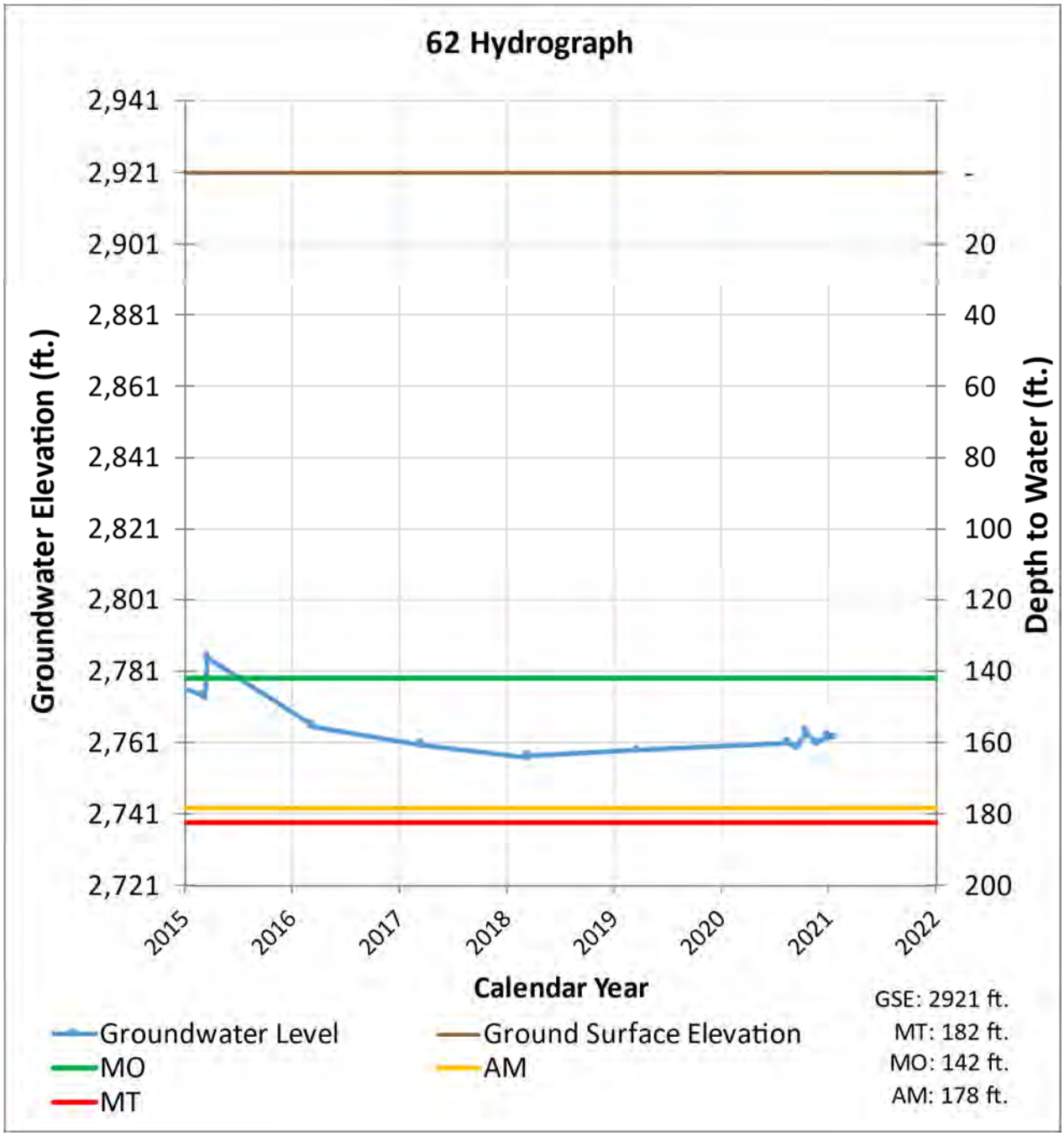


Figure 4: Central Region – Well 91

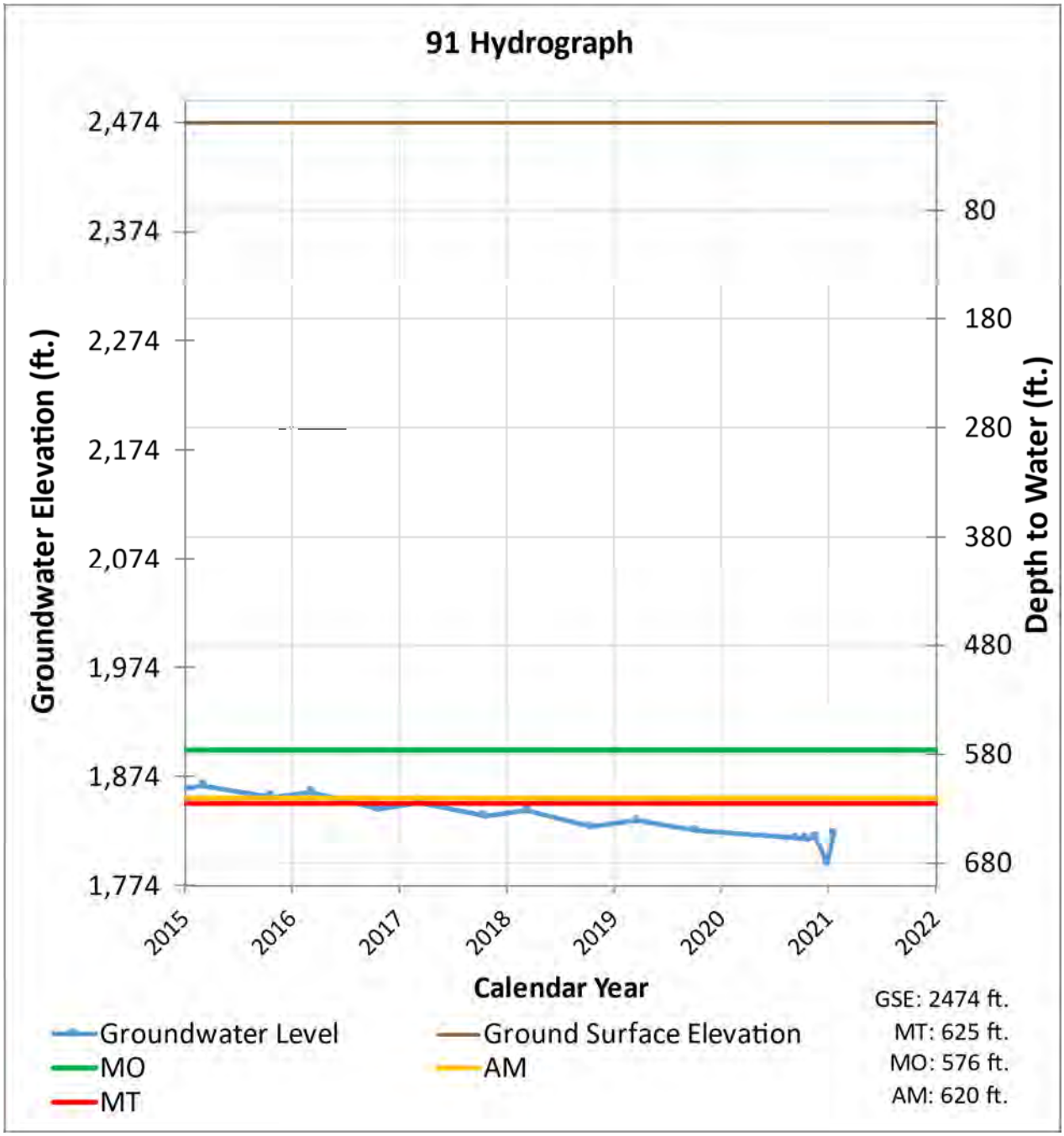


Figure 5: Central Region – Well 74

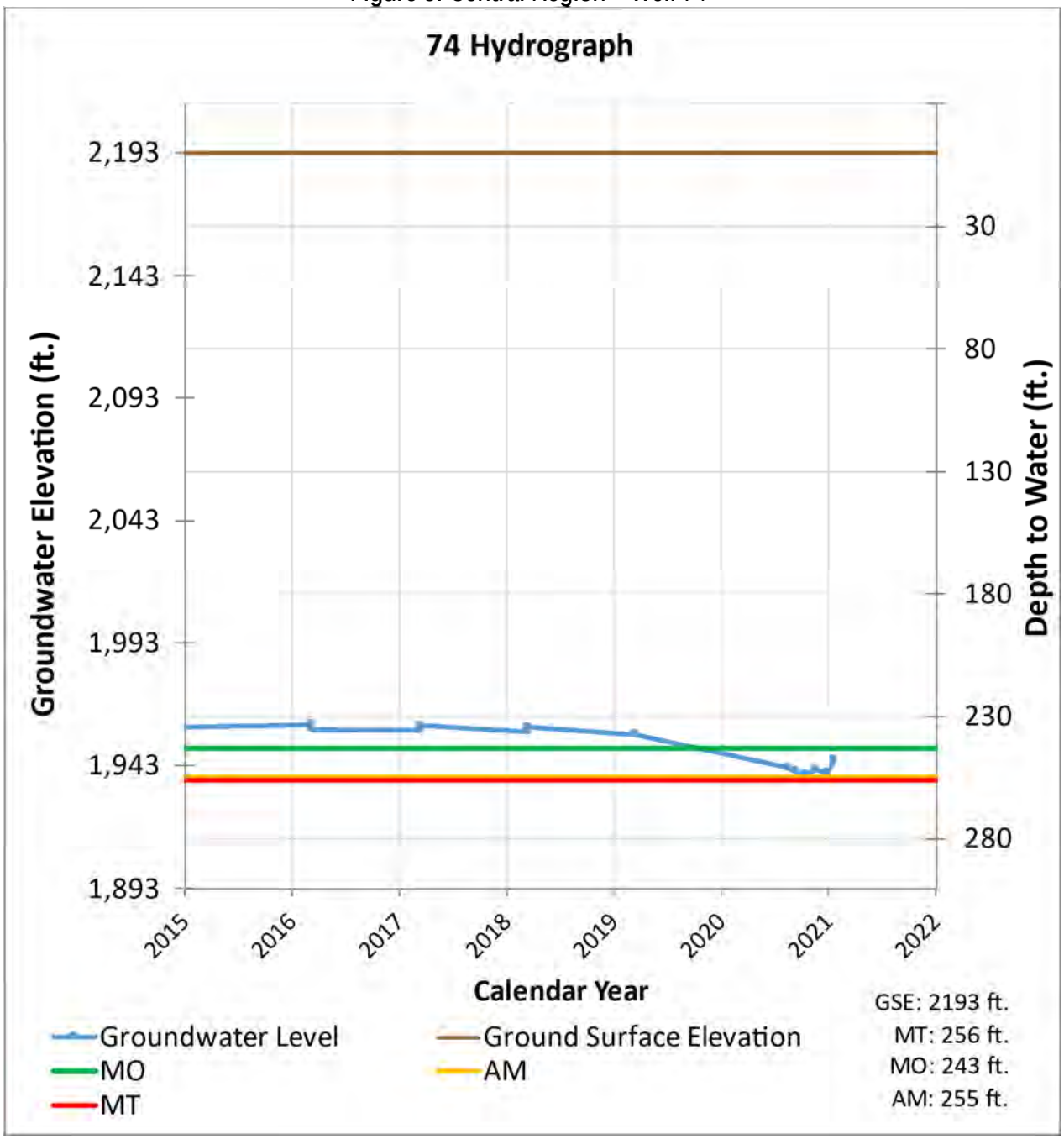


Figure 6: Western Region – Well 108

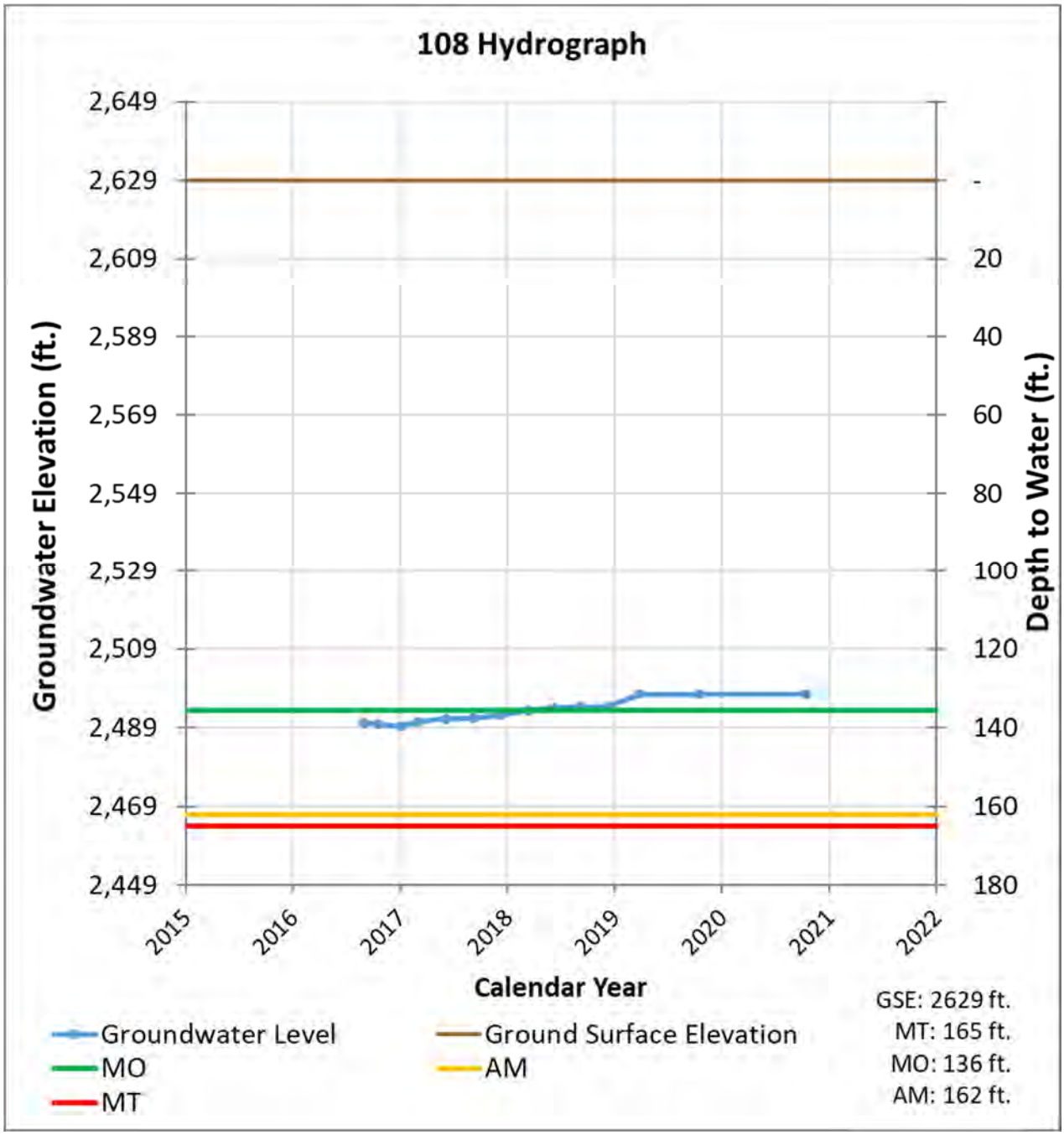
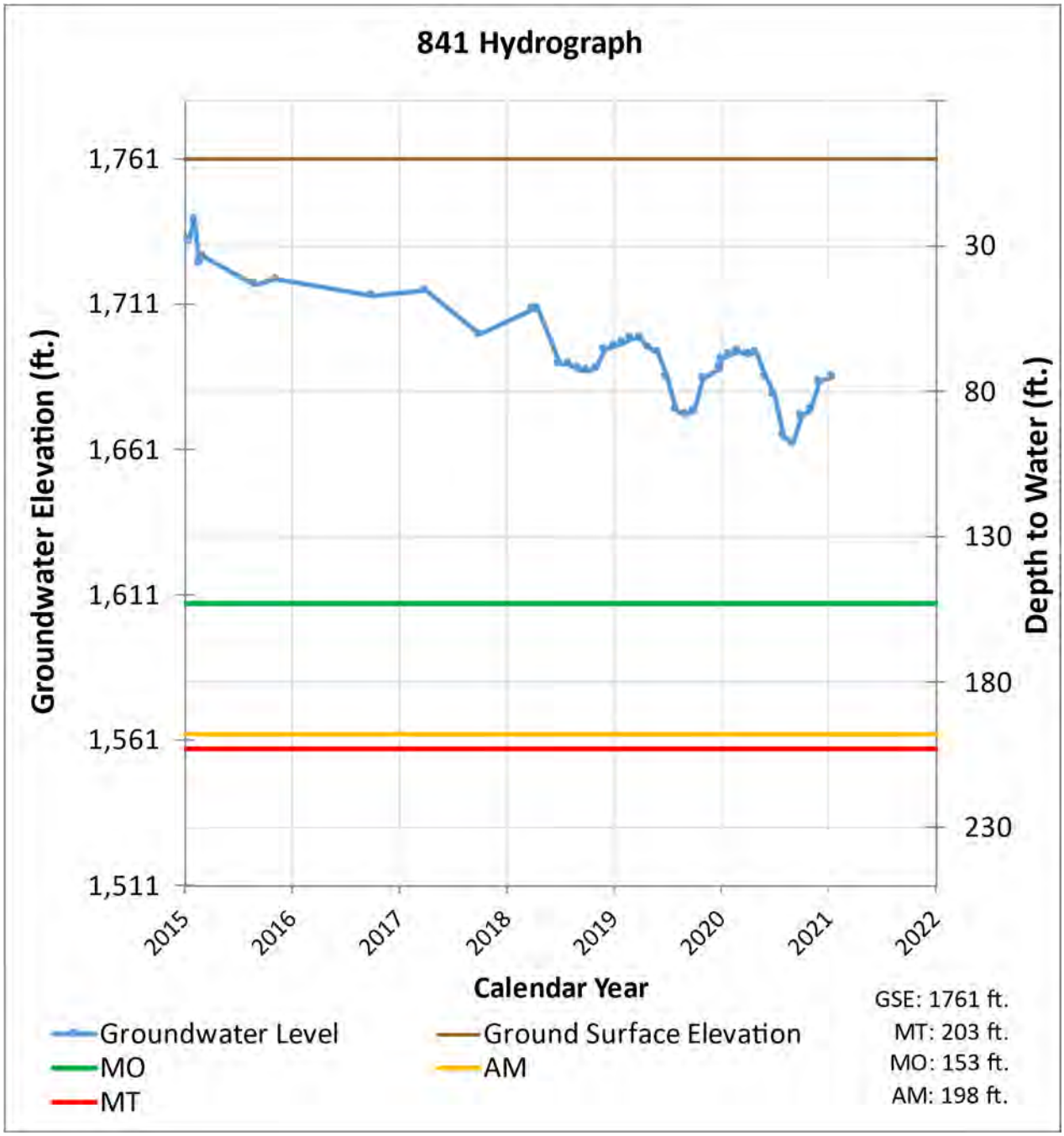


Figure 7: Northwestern Region – Well 841



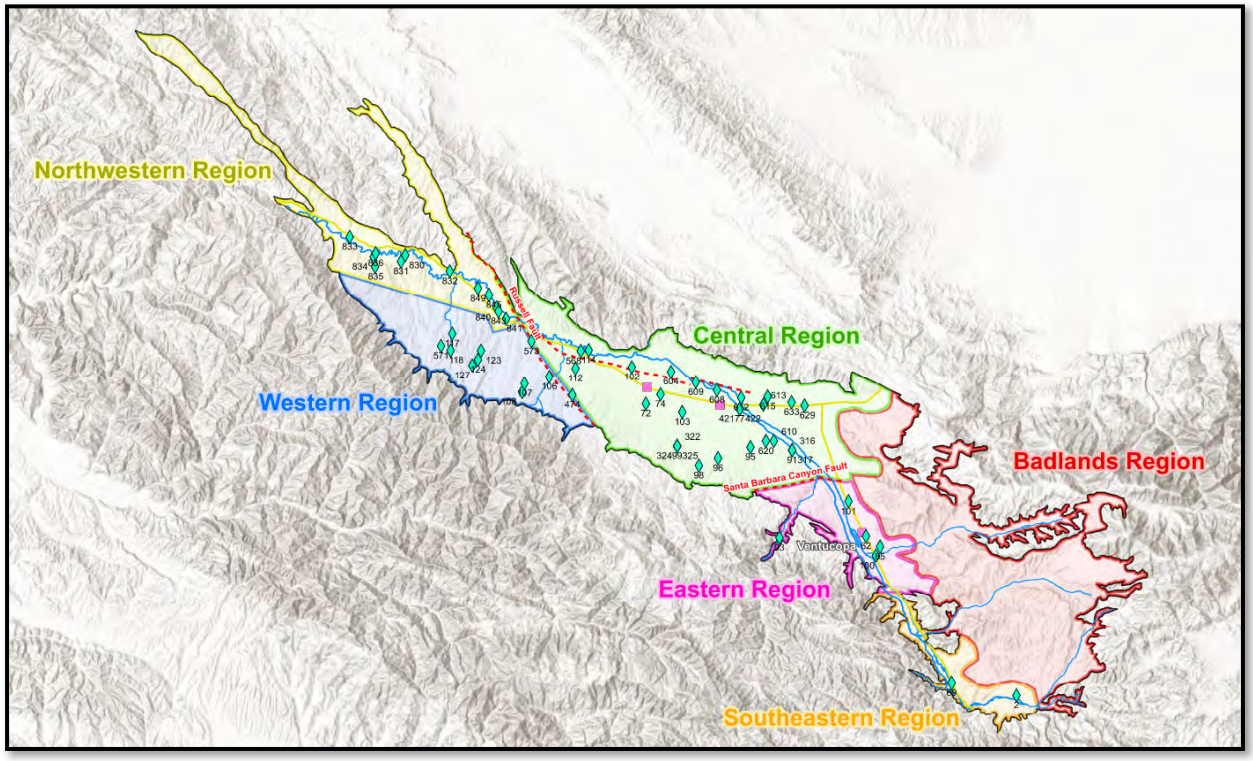


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

As shown in the Summary Statistics Section, there are 16 wells without current measurements. These "no measurement codes" can generally be caused by four different reasons as shown below.

- Access agreements have not yet been established with the landowner, access has not been granted yet, or no access at time of measurement:
    - Wells 72, 98, 117, 123, 124, 127, 840, 843, 849
- Well transducer data is not yet available:
    - None
- Measurement was not possible at the time when the field technician went to take measurements:
    - 108, 112, 114, 474, 573, 833
- Wells that have gone dry:
    - 422

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COMMITMENT & INTEGRITY DRIVE RESULTS

TO: Board of Directors
Agenda Item No. 15f

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 3, 2021

SUBJECT: Update on Modifications to the Groundwater Level Monitoring Network

Issue
Modifications to the Groundwater Level Monitoring Network.

Recommended Motion
None – information only.

Discussion
On January 7 and January 13, 2021, the Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee (SAC) and Board of Directors voted to reduce the 101-groundwater level monitoring network to 58 wells and perform quarterly monitoring as soon as possible, respectively.

Staff informed the SAC and Board of Directors that it would provide an update on the potential impacts on thresholds, etc. and discussion of those issues is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Update on Modifications to the Groundwater Level Monitoring Network

March 3, 2021

WOODARD &CURRAN

Update on Modifications to the Groundwater Levels Monitoring Network

- Original Monitoring Network included 101 wells at 95 locations (including 2 multi-completion wells)
- Staff discussed potential changes with DWR SGMA staff and received the following feedback:
  - The reduced size of the monitoring network approved by the CBGSA Board in January will still be well above DWR requirements
  - DWR staff also think moving to a quarterly monitoring schedule would be acceptable, but recommended a full year of monthly monitoring first
  - Each of the above changes can be reported to DWR in our Annual Report
  - Changes to the sustainability criteria could be more complicated and may require a GSP amendment

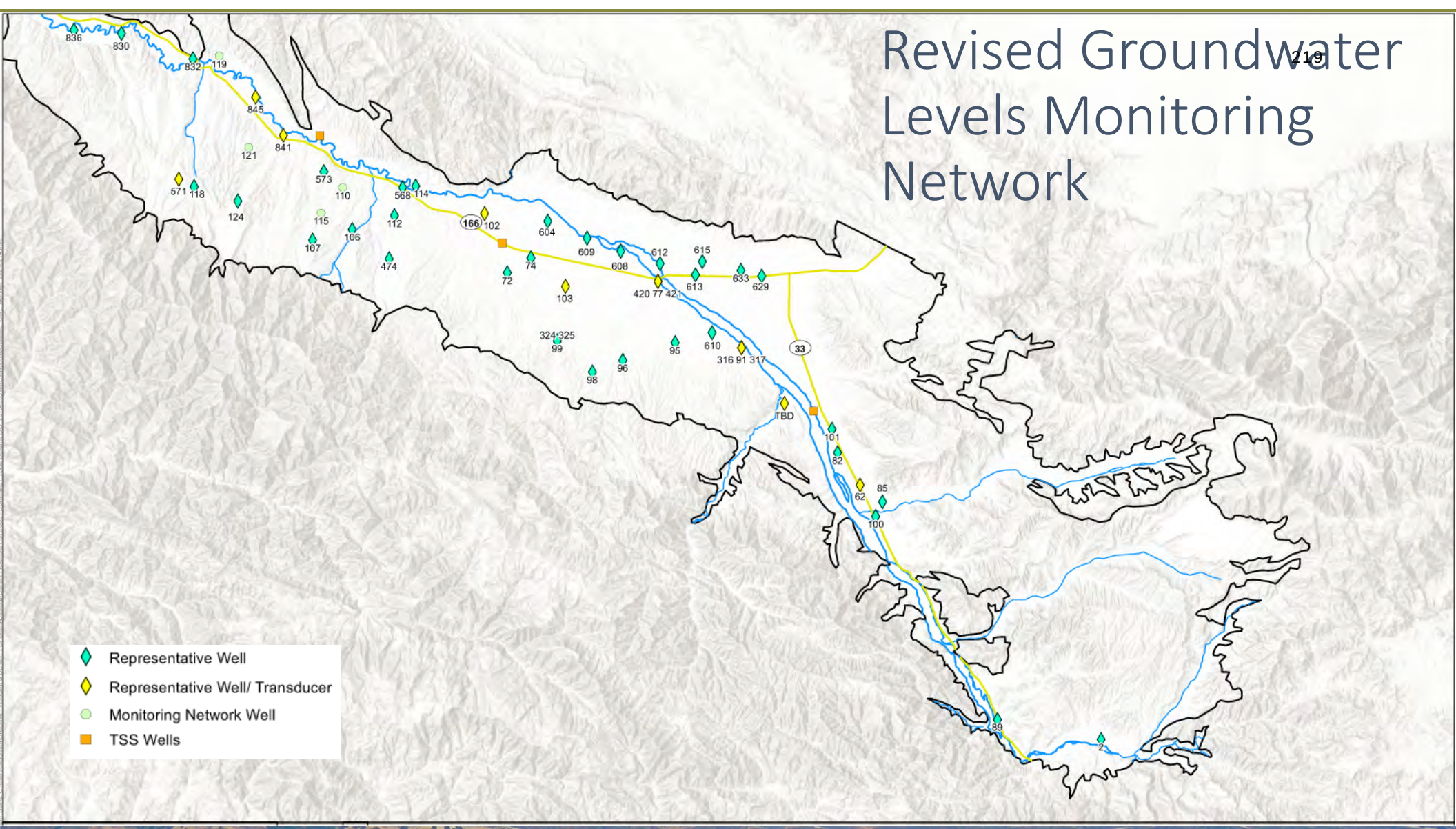
WOODARD &CURRAN

Update on Modifications to the Groundwater Levels Monitoring Network

- Following Board direction at the January Board meeting, and adding in new well locations, the revised groundwater levels network will include 62 wells at 50 locations:
  - Adding in the 3 TSS wells (with 3 completions each) will make for 6 total multi-completion wells
  - Transducers will be located in 5 of the 6 multi-completion wells and at 7 additional locations
- Based on DWR feedback, we recommend commencing quarterly monitoring in August
- The GSA will continue to look for opportunities to fill spatial gaps in the monitoring network

WOODARD &CURRAN

Revised Groundwater Levels Monitoring Network



Effect of Modifications to the Groundwater Levels Monitoring Network on Sustainability Criteria

- Identification of Undesirable Results (3.2.1):

  The 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

- Currently 32 of 60 representative wells are in the central region
  - 18/32 (56%) of central region wells would need to exceed MTs for 2 years to trigger an identification of undesirable results
- With the updated monitoring network (including TSS wells), 34 of 65 representative wells are in the central region
  - 20/34 (59%) of central region wells would need to exceed MTs for 2 years to trigger an identification of undesirable results

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