CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

STANDING ADVISORY COMMITTEE

Committee Members

Brenton Kelly (Chair)	Jake Furstenfeld	Mike Post
Brad DeBranch (Vice Chair)	Joe Haslett	*Vacant*
Louise Draucker	Roberta Jaffe	*Vacant*

AGENDA

October 29, 2020

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee to be held on Thursday, October 29, 2020 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 Wednesday, October 28 to assist in facilitating this remote meeting, but they may also be provided at the meeting.

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Update on SAC Membership
5. Approval of Minutes
6. Groundwater Sustainability Plan
    a. Discussion of Options to Study Data Gaps
    b. Update on Model Refinement Plan
    c. Direction on Requiring Meters for Extractors in the Cuyama Basin
    d. Update on Monitoring Network Implementation
    e. Update on Groundwater Levels Monitoring Network
    f. Approval of Groundwater Quality Monitoring Network Consultant
    g. Update on Groundwater Dependent Ecosystems Monitoring Plan
    h. Direction on Prop 68 Implementation Grant Opportunity
    i. Update on Indirect Economic Report
    j. Update on 2020 Annual Report

7. Groundwater Sustainability Agency
    a. Report of the Executive Director
    b. Board of Directors Agenda Review
    c. Report of the General Counsel
    d. Adopt the 2021 Meeting Schedule
    e. Update on Newsletter
8. Items for Upcoming Sessions
9. Committee Forum
    a. Coordination between the GSA and Counties
10. Public comment for items not on the Agenda

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

11. Correspondence
    a. Standing Advisory Committee Resignation Letter from Mike Post
12. Adjourn

Cuyama Basin Groundwater Sustainability Agency Special Standing Advisory Committee Meeting

August 13, 2020

Draft Meetings Minutes

PRESENT:
Kelly, Brenton – Chair
DeBranch, Brad – Vice Chair
Draucker, Louise
Haslett, Joe
Jaffe, Roberta

ABSENT:
Furstenfeld, Jake
Post, Mike

1. **Call to Order**
   Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee (SAC) Chair Brenton Kelly experienced connection and issues and Vice Chair Brad DeBranch called the SAC to order at 3:02 p.m.

2. **Roll Call**
   Hallmark Group Project Coordinator Taylor Blakslee called roll of the Committee (shown above).

3. **Pledge of Allegiance**
   Chair Kelly's connection issues were resolved, and he led the pledge of allegiance.

4. **Update on SAC Membership**
   Chair Kelly provided an update on the effort to replace two vacancies on the SAC; however, efforts have been slowed by the COVID-19 pandemic.

5. **Approval of Minutes**
   Chair Kelly opened the floor for comments on the June 25, 2020 CBGSA SAC meeting minutes.

   MOTION
   Committee Member Haslett made a motion to adopt the June 25, 2020 CBGSA SAC meeting minutes. The motion was seconded by Committee Member Jaffe. A roll call vote was made, and the motion passed.

AYES:	Committee Members DeBranch, Haslett, Jaffe, Kelly
NOES:	None
ABSTAIN:	None
ABSENT:	Committee Members Draucker, Furstenfeld, Post

6. Groundwater Sustainability Plan

Woodard& Curran's Senior Hydrogeologist John Ayres provided an update on the Groundwater Sustainability Plan (GSP) activities including the schedule and June 2020 accomplishments, which is included in the SAC packet.

CBGSA Executive Director Jim Beck reported that most of the California Department of Water Resources' (DWR) questions to-date have been focused on consistency and administrative.

a. Update on Monitoring Network Implementation

Mr. Ayres provided an update on the implementation of the monitoring network and is included in the SAC packet.

One of the items presented was an update on the groundwater levels monitoring network and Hallmark Group Project Manager Taylor Blakslee reported on some wells that Provost & Pritchard (P&P)—the consultant selected to set up the groundwater levels network and take monthly levels—did not have contact information for.

Committee Member Jaffe asked if there is contact information available for the "no contact information" well owners. Mr. Blakslee said he will confirm the status of the "no contact information" well owners with Provost & Pritchard (P&P) and report back to the SAC. Mr. Beck said the map will be updated to show accurate and relevant information.

Committee Member Draucker arrived at 3:20 p.m.

Committee member Jaffe asked if groundwater level thresholds will be managed by Regions in the basin. Mr. Beck said regional thresholds are not part of the CBGSA's management strategy. He said the CBGSA will be managing at the individual well level and will investigate wells within 10% of the minimum threshold in accordance to the adopted Groundwater Sustainability Plan (GSP).

Chair Kelly commented that the location of one of the wells is slightly misplaced on the stream gauge implementation FY 2020-21 slide. Mr. Beck said this map will be updated to accurately show the location of this well.

Regarding the stream gauge installation project, Committee Member Jaffe asked if there is a back-up location if the Spanish Ranch location does not work out. Mr. Blakslee said USGS is looking to see if this location will be suitable and if this location does not work, staff will present alternative site recommendations to the SAC and Board.

b. Update on Groundwater Levels Monitoring Network

Mr. Blakslee informed the SAC that the information being presented in the hydrographs is not new data and P&P will be performing their first well measurements the week of August 17, 2020. Mr. Blakslee said at future meetings, staff will provide the groundwater level information for all wells; however, hydrographs will be developed for six representative wells spaced throughout the basin.

Committee Member Jaffe asked if the information for all the wells will be available for review. Mr. Beck confirmed this.

c. Review Information Sheet for New Well Owners

Mr. Blakslee provided an update on the development of the informational sheet for new well owners. He stated that this flyer will be available on the CBGSA website and will be distributed to the counties for assisting well permittees with information SGMA in the Cuyama Basin.

Chair Kelly asked if flyer will also be for new reservoirs, and previous landowners or well owners. Mr. Beck said this flyer is for new landowners and well owners. He said staff will discuss further information regarding these informational sheets with the Board and counties.

Committee Member Jaffe suggested including information on pumping assessments for new landowners and emphasizing the CBGSA bulletin 118 basin boundary and Committee Member DeBranch agreed.

Chair Kelly suggested including a statement emphasizing that the extraction fee covers all extractions in the basin, not just the management area.

d. Update on Indirect Economic Report

Mr. Ayres provided an update on the indirect economic report within the Cuyama basin.

Chair Kelly asked how the data was collected. Mr. Beck said staff can distribute the results and information from the survey to the SAC.

e. Update on Model Refinement

Mr. Ayres presented an update on the model refinement.

Committee Member Jaffe asked if the tech forum will have direct oversight over the plan development and when will the plan be developed.

Mr. Beck said the plan will be developed after Board direction is received. He said the plan will need to be completed by March 31, 2021 to feed into the budget development for Fiscal Year 2021-22 and the model update will occur in that fiscal year.

7. Groundwater Sustainability Agency

a. Report of the Executive Director

Nothing to report.

b. Board of Directors Agenda Review

Mr. Beck provided an overview of the August 13, 2020 CBGSA Board of Directors meeting agenda which was provided in the SAC packet.

c. Report of the General Counsel

Nothing to report.

8. Items for Upcoming Sessions

Nothing to report.

9. Committee Forum

Nothing to report.

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

11. Correspondence
Nothing to report.

12. Adjourn
Chair Kelly adjourned the meeting at 4:00 p.m.

Minutes approved by the Standing Advisory Committee of the Cuyama Basin Groundwater Sustainability Agency the 29th day of October 2020.

STANDING ADVISORY COMMITTEE OF THE
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair: _____

ATTEST:

Vice Chair: _____

TO: Standing Advisory Committee
Agenda Item No. 6

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Groundwater Sustainability Plan

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

Recommended Motion
None – information only.

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

Cuyama Basin Groundwater Sustainability Agency

Groundwater Sustainability Plan Update

October 29, 2020

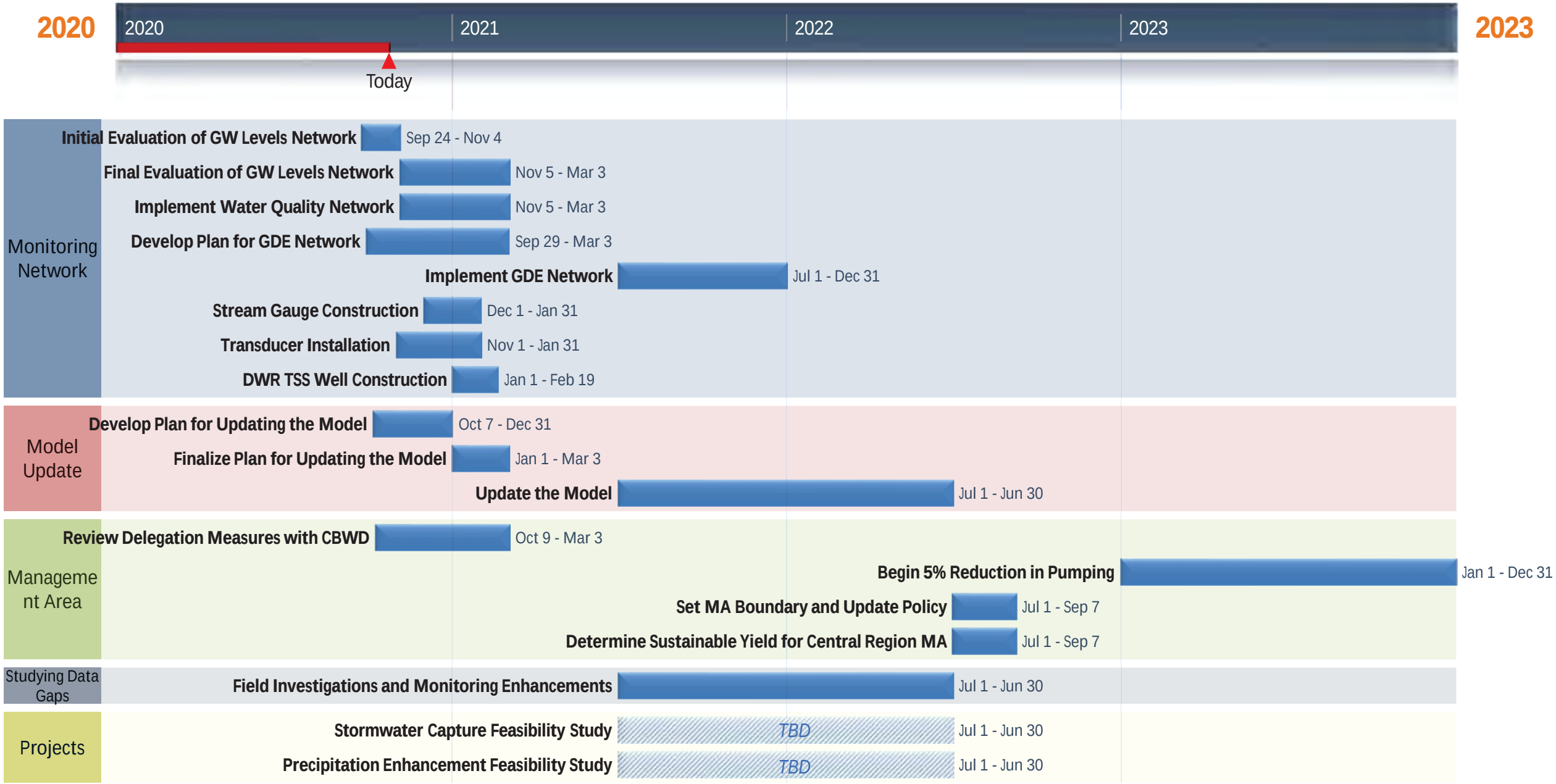
WOODARD &CURRAN

September-October Accomplishments

- ✓ Performed field validation/data collection for groundwater levels monitoring
- ✓ Developed recommendations for Basin data gaps for Board consideration
- ✓ Developed recommendations for Cuyama Basin model updates and discussed with Ad-hoc committee and Technical Forum
- ✓ Developed options for GDE monitoring and discussed with Ad-hoc committee
- ✓ Developed recommendation for SGM Prop 68 Implementation Grant proposal and discussed with Ad-hoc committee
- ✓ Performed continued work on indirect economics analysis

WOODARD &CURRAN

Draft Project Schedule



TO: Standing Advisory Committee
Agenda Item No. 6a

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Discussion of Options to Study Data Gaps

Issue
Discuss options to study data gaps.

Recommended Motion
None – information only.

Discussion
Information regarding the potential options for studying data gaps is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Discussion on Options to Study Data Gaps

October 29, 2020

WOODARD &CURRAN

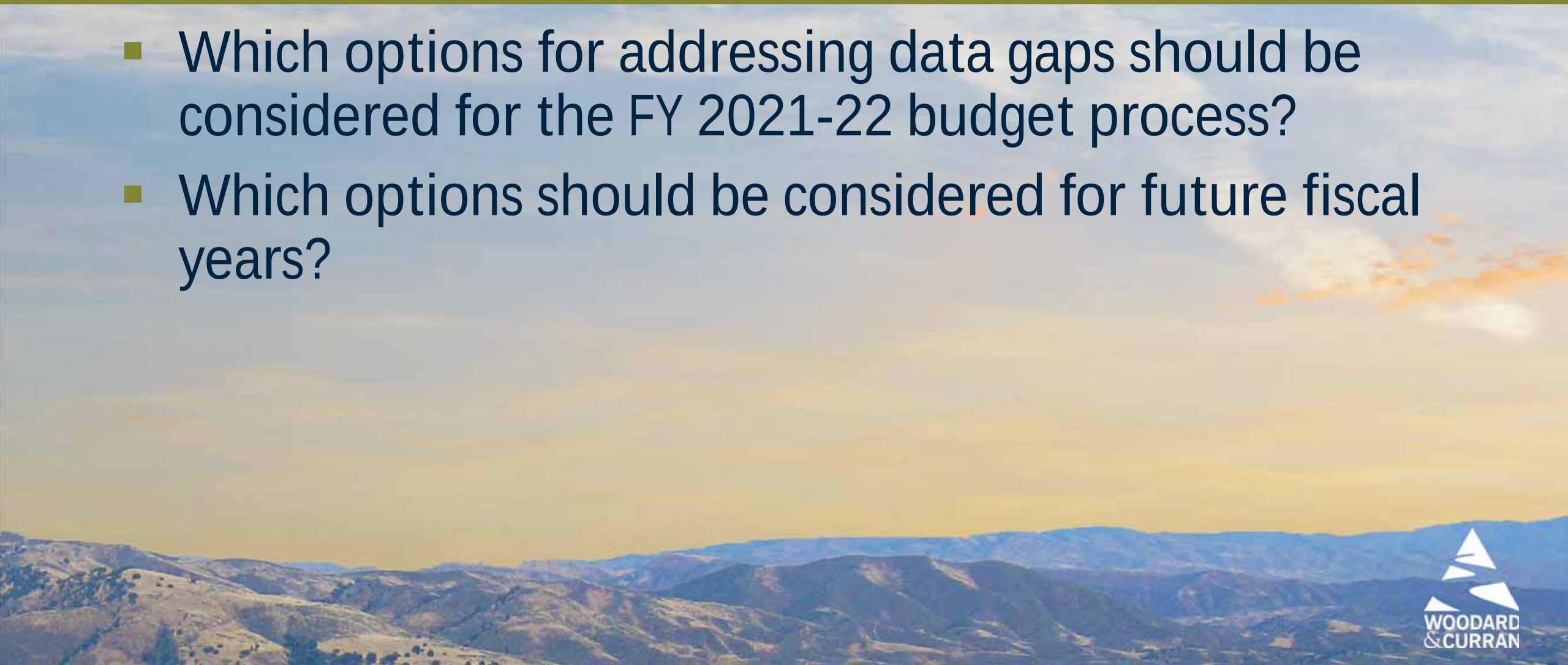
Background on Cuyama Basin Data Gaps

- The GSP identified data gaps in the Hydrogeologic Conceptual Model (HCM), Groundwater Conditions, Water Budgets and Monitoring Networks GSP sections
- These data gaps limit the ability to understand and simulate the flow of water in the Basin and the expected aquifer response to potential actions; addressing them would also help enhance the Cuyama Basin model
- Cost estimation and prioritization is needed; many potential actions to address data gaps could potentially be funded through SGM grant funding opportunities

WOODARD &CURRAN

Direction Needed from CBGSA SAC

- Which options for addressing data gaps should be considered for the FY 2021-22 budget process?
- Which options should be considered for future fiscal years?



Options to Study Data Gaps

1. Groundwater levels monitoring network enhancements
2. Perform seismic investigations
3. Update land use data
4. Improve water use estimates
5. Review and assess model hydrogeological characterization
6. Enhancement of surface water and non-irrigated land surface representation

1. Groundwater Levels Monitoring Network Enhancements

- **Issues:**
  - There are spatial data gaps in the monitoring network, especially in the vicinity of the Russell and Santa Barbara Canyon Faults
  - A lack of dedicated monitoring wells forces the use of production wells, which are less reliable in terms of measurement
  - Information from well completion reports for monitoring wells is not included in the Data Management System (DMS)
  - Limited information is available regarding the condition of wells below the ground surface
- **Options:**
  - Add additional dedicated monitoring wells in the vicinity of the Russell and Santa Barbara Canyon Faults
  - Replace production wells in monitoring network with dedicated monitoring wells
  - Perform digital entry of well completion report data into DMS
  - Perform downhole video recording of representative monitoring wells

WOODARD &CURRAN

2. Perform Seismic Investigations

- **Issue:**
  - For development of the Hydrogeological Conceptual Model (HCM) and the numerical model, limited information was available regarding fault configurations below the ground surface, how much of a barrier the faults were to subsurface flow, and the resulting magnitude of flows across faults
- **Options:**
  - Perform a seismic waves study of the Santa Barbara Canyon Fault and/or Russell Fault
  - Perform a electromagnetic geophysical survey of the Santa Barbara Canyon Fault and/or Russell Fault

3. Update Land Use Data

- **Issue:**
  - Need to develop updated Basin land use information for input to model to reflect most up to date cropping decisions so that planning decisions can be based on the best available information.
- **Options:**
  - Update irrigated land use annually for 6-8 largest agricultural operators (~90% of irrigated acreage)
  - For other landowners, utilize latest satellite-based data from DWR (currently 2016; DWR is currently working on 2018 update – incorporate when available)
  - Develop satellite-based land use data for 2020 in the Cuyama Basin

4. Improve Water Use Estimates

- **Issue:**
  - Need to develop recent-year water use estimates for input to model to improve crop evapotranspiration (ET) estimates in the Basin and to reflect current cropping decisions and climate/weather information.
- **Options:**
  - Near-term:
    - Develop crop ET estimates using daily root zone water balance model for post calibration period (2018-2020)
      - Same method previously used for during model development to estimate ET for model calibration period (1994-2017)
      - Combines reference ET data from CIMIS stations, Normalized Difference Vegetation Index (NDVI) estimates developed using remote sensing data, and simulation of irrigation events to estimate daily agricultural water demands based on calibration of root zone budget in each field
      - This method produces results that are more consistent across the Basin than METRIC ET, which uses remote sensing-based energy balance data to develop ET estimates on each field
  - Long-term:
    - Enhancement of the existing weather station to provide more accurate measurements of ET (and other parameters)
    - Consider adding new CIMIS station in Cuyama (currently only one, in New Cuyama-No. 88); could also add multiple new tule tech stations
    - Utilize metered pumping records if/when available

WOODARD &CURRAN

5. Improve Hydrogeological Information

- **Issue:**
  - The GSP identified specific areas that have limited hydrogeological information, including the vicinity of the Ventucopa area and the western part of the model, down gradient from the Russell Fault. This results in uncertainty in the characterization of the aquifer and in modeled response in these regions.
  - Field investigations and model enhancements are needed to improve accuracy of modeled water budget and water level estimates in regions upstream and downstream of the Central Basin.
- **Options:**
  - Perform Short- and long-term aquifer tests where necessary (including near the foothill areas).
  - Drilling of boreholes and pumping tests

WOODARD &CURRAN

6. Enhancement of Surface Water and Non-Irrigated Land Surface Representation

- **Issue:**
  - Assumptions related to surface water and non-irrigated land surface model inputs are based on high-level digital information but are significant component of the water budget computations.
  - More detailed data is needed in the river channel system and in native vegetation areas to more accurately estimate the quantity and location of surface water infiltration into the groundwater aquifer.
- **Options:**
  - Improve representation of surface water system with additional surveying to update the channel geometry, morphology, and invert elevations
  - Install new piezometers in vicinity of the streambed to better understand changes in groundwater levels in vicinity of streambed during high flow events
  - Perform investigations on native vegetation evapotranspiration and runoff conditions in ungauged watersheds to improve model representation in these areas of the model

Next Steps

- Finalize recommendations for filling data gaps and include them in ongoing CBGSA planning:
  - Model refinement plan
  - GW levels and quality monitoring network refinement plan
  - Budget planning for FY 2021-22

TO: Standing Advisory Committee
Agenda Item No. 6b

FROM: Jim Beck, Hallmark Group & Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on Model Refinement Plan

Issue
Discuss update of Model Refinement Plan.

Recommended Motion
None – information only.

Discussion
An update regarding the model refinement plan is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Update on Model Refinement Plan

October 29, 2020

WOODARD &CURRAN

Cuyama Basin Model Refinement Background

- Woodard & Curran FY 2020-21 Task Order includes a task to develop a strategy for update and refinement of the Cuyama Basin numerical model
  - Tech memo outlining the refinement strategy to be completed by March 2021
  - Recommend updates to be performed during FY 2021-22
  - Develop strategy for annual updates in subsequent years

- Potential applications of Cuyama Basin numerical model:
  - Guide/refine implementation of Management Area pumping reductions
  - Assessment of potential water supply actions identified in GSP
  - Water budget reporting in Annual Report
  - Refinement of water budgets in 2025 GSP Update

WOODARD &CURRAN

Model Refinement Schedule

Recommended Model Refinements

1. Implement updates to land use data (previously discussed under Data Gaps)
2. Implement improvements to water use estimates (previously discussed under Data Gaps)
3. Implement tests for model hydrogeological characterization (previously discussed under Data Gaps)
4. Enhancement of surface water and non-irrigated land surface representation (previously discussed under Data Gaps)
5. Incorporating monitoring network data into model calibration
6. Develop decision support tool

5. Incorporating Monitoring Network Data into Model Calibration

- **Issue:**
  - Model calibration was performed through 2017 and does not include data from recent years or spatial extent of GSP monitoring network.
  - Incorporation of more recent data into the calibration process would improve the accuracy of the model's response to changes in flows and pumping, particularly in areas with limited historical data collection.
- **Recommendations:**
  - Use data collected using the CBGSA's groundwater monitoring network to re-assess and improve the model parameter values and calibration, with particular focus on areas of the Basin where little or no data exist currently (e.g. western Basin)
  - Compare model predictions to actual future climate and water availability conditions to provide insights into model performance and prioritize areas for improvement

WOODARD &CURRAN

6. Develop Decision Support Platform

- **Issue:**
  - The GSA needs to be able to track the state of the groundwater basin and ensure that the basin continues towards path for sustainability. The model is a robust and good platform to support this tracking, however, a reasonable model update frequency is every one to two years.
  - A tool is needed to support GSA decision-making that reflects the most up-to-date monitoring and model data relative to GSP sustainability indicators.
- **Recommendations:**
  - Develop a Decision Support Platform, which would provide information on the state of the basin on a quarterly basis based on the foundational information from the model, and monthly data on groundwater pumping and hydrologic conditions. The DSS 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 basins using the Sustainability Indicators relevant to the basin.

WOODARD &CURRAN

Next Steps on Model Refinement Strategy

- Outreach and coordination
  - Additional meeting(s) with Ad-hoc Committee and Technical Forum members (if needed)
- Develop cost estimates, prioritization and schedule
- Development of a technical memorandum outlining the refinement strategy (to be completed by March 2021)
- Tech Memo will be used as basis for FY 2021-22 CBGSA budgeting

TO: Standing Advisory Committee
Agenda Item No. 6c

FROM: Jim Beck, Executive Director

DATE: October 29, 2020

SUBJECT: Direction on Requiring Meters for Extractors in the Cuyama Basin

Issue
Direction on requiring meters for extractors in the Cuyama Basin.

Recommended Motion
Require non-de minimis groundwater users in the Cuyama Basin to install a water measuring device (flow meter) on all groundwater extraction wells by no later than December 31, 2021.

Discussion
Information regarding the potential implementation of groundwater meters is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Direction on Requiring Meters for Extractors in the Cuyama Basin

October 29, 2020

WOODARD &CURRAN

Background

- CBGSA fees are based on the quantity of groundwater extractions for each water user in the Basin.
- For 2019, water use was estimated using an annual per acre evapotranspiration (ET) estimate for each crop; while acceptable as a temporary measure, this is not as accurate as direct measurement from a pumping meter.
- On August 13, 2020, the CBGSA Board provided direction to include an actionable item on the November 4 Board meeting to require meters for groundwater extractors in the Cuyama Basin

Process for Implementation of Pumping Meter Requirement

- Identify locations and count of non-de minimis pumping wells
- Develop guidance for meter selection and installation
- Develop procedure for reporting and tracking of pumping quantities
- Send notice of metering requirement to landowners
- Landowners will be required to:
  - Select and install meters on each current and future pumping well
  - Provide verification of meter installation to CBGSA
  - Inform the GSA of installation or removal of production wells

WOODARD &CURRAN

Anticipated Schedule

- To keep with this schedule, CBGSA will need to authorize unbudgeted expenditures for Woodard & Curran & Hallmark to administer this program during FY 20-21
- By June 30, 2021:
  - CBGSA identifies locations and count of non-de minimis pumping wells
  - CBGSA develops guidance documents for meter installation and reporting of pumping quantities
  - CBGSA sends notice of metering requirement and guidance documents to landowners
- By December 31, 2021:
  - Landowners select and install meters on pumping wells and provide verification to CBGSA
- Starting Jan 1, 2022:
  - Begin tracking water use for 2022
  - Year 2022 metered water use will be the basis for the FY 2023-24 extraction fees

WOODARD &CURRAN

Guidance for Meter Selection

- Guidance will be developed and approved by CBGSA Board by May 2021 Board meeting
- For landowners installing meters prior to June 30, 2021, the following are some options for meter manufacturers:
  - Seametrics
  - McCrometer
  - Netafim

Recommended Motion

- Require non-de minimis groundwater users in the Cuyama Basin to install a water measuring device (flow meter) on all groundwater extraction wells by no later than December 31, 2021

TO: Standing Advisory Committee
Agenda Item No. 6d

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on Monitoring Network Implementation

Issue
Discuss 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

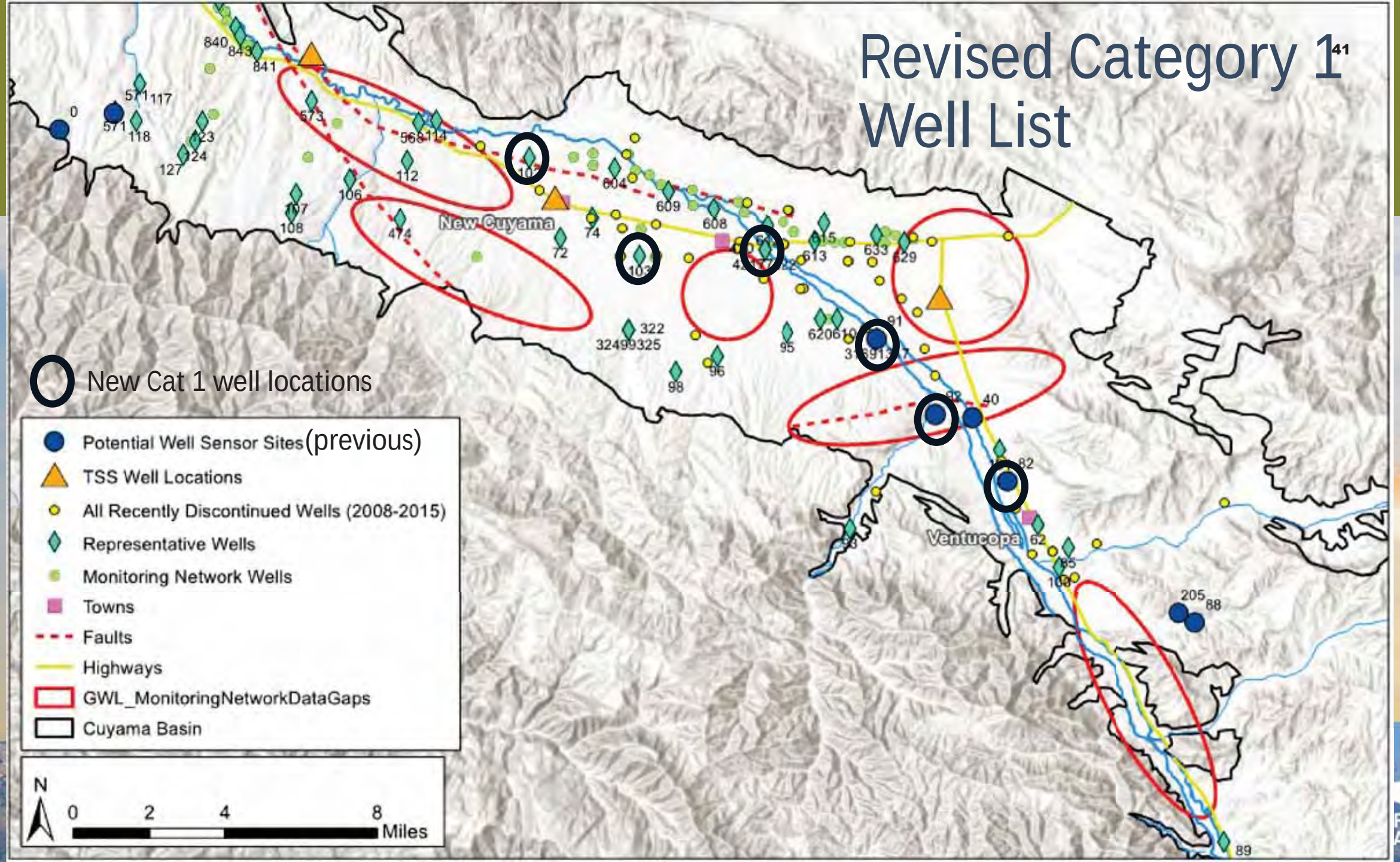
October 29, 2020

WOODARD &CURRAN

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

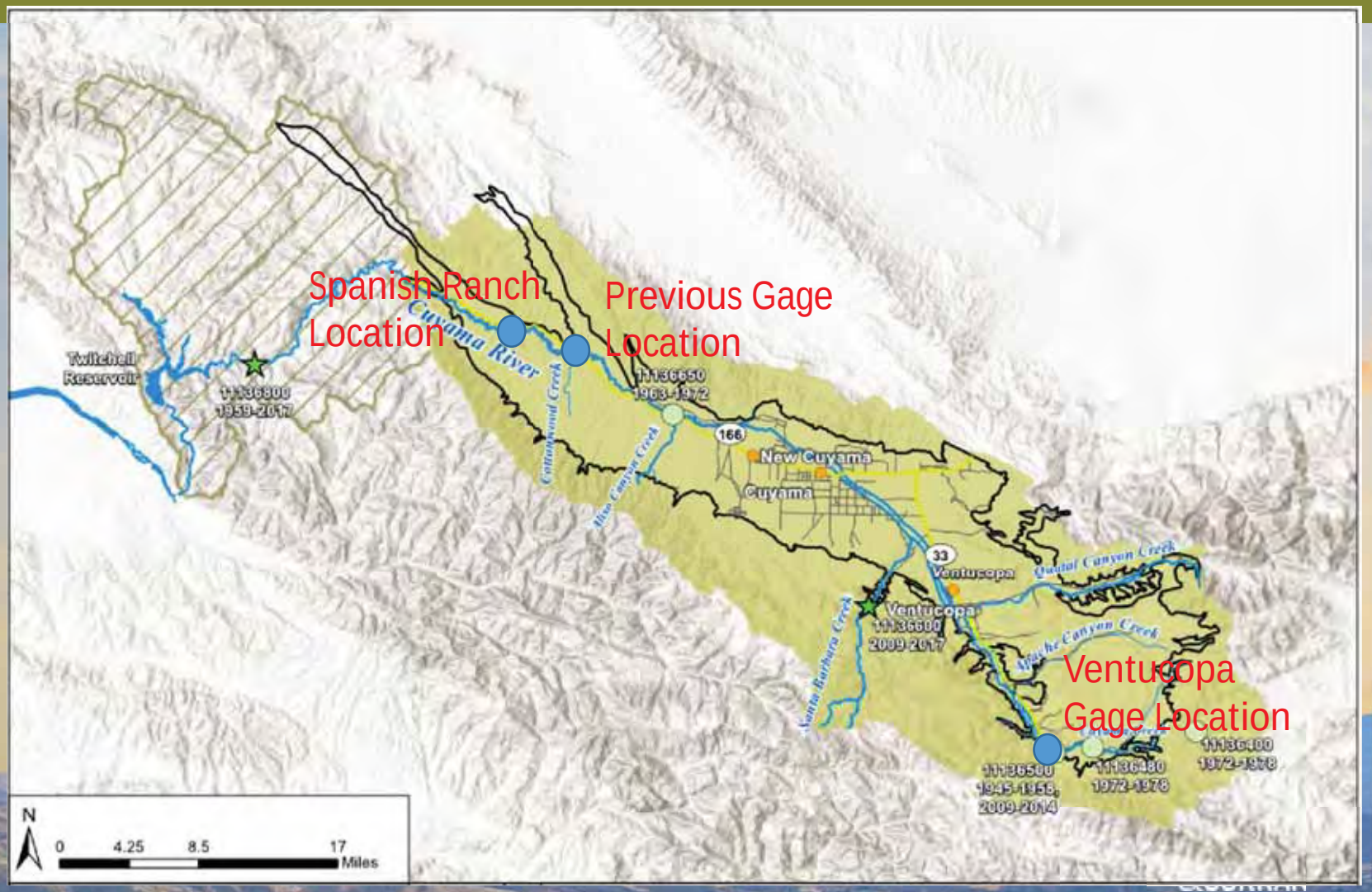
- Installation of new wells by DWR Technical Support Services
  - Application for 3 new wells was approved by DWR
  - Currently working with DWR and landowners to finalize permits and agreements
- Installation of transducers with DWR Category 1 grant funding
  - Documentation was reviewed and approved by DWR
  - Per previous email communication, well list has been revised to better fill gaps in the existing monitoring network (see next slide)

Revised Category 1 Well List



Stream Gage Implementation – FY 2020-21

- 2 new streamflow gages will be installed by USGS using Category 1 grant funding from DWR
- Ventucopa location is moving forward
- Currently working on moving downstream location to the Spanish Ranch location
- Gage installation at both locations anticipated in December/January



TO: Standing Advisory Committee
Agenda Item No. 6e

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on Groundwater Levels Monitoring Network

Issue
Update regarding groundwater levels monitoring network.

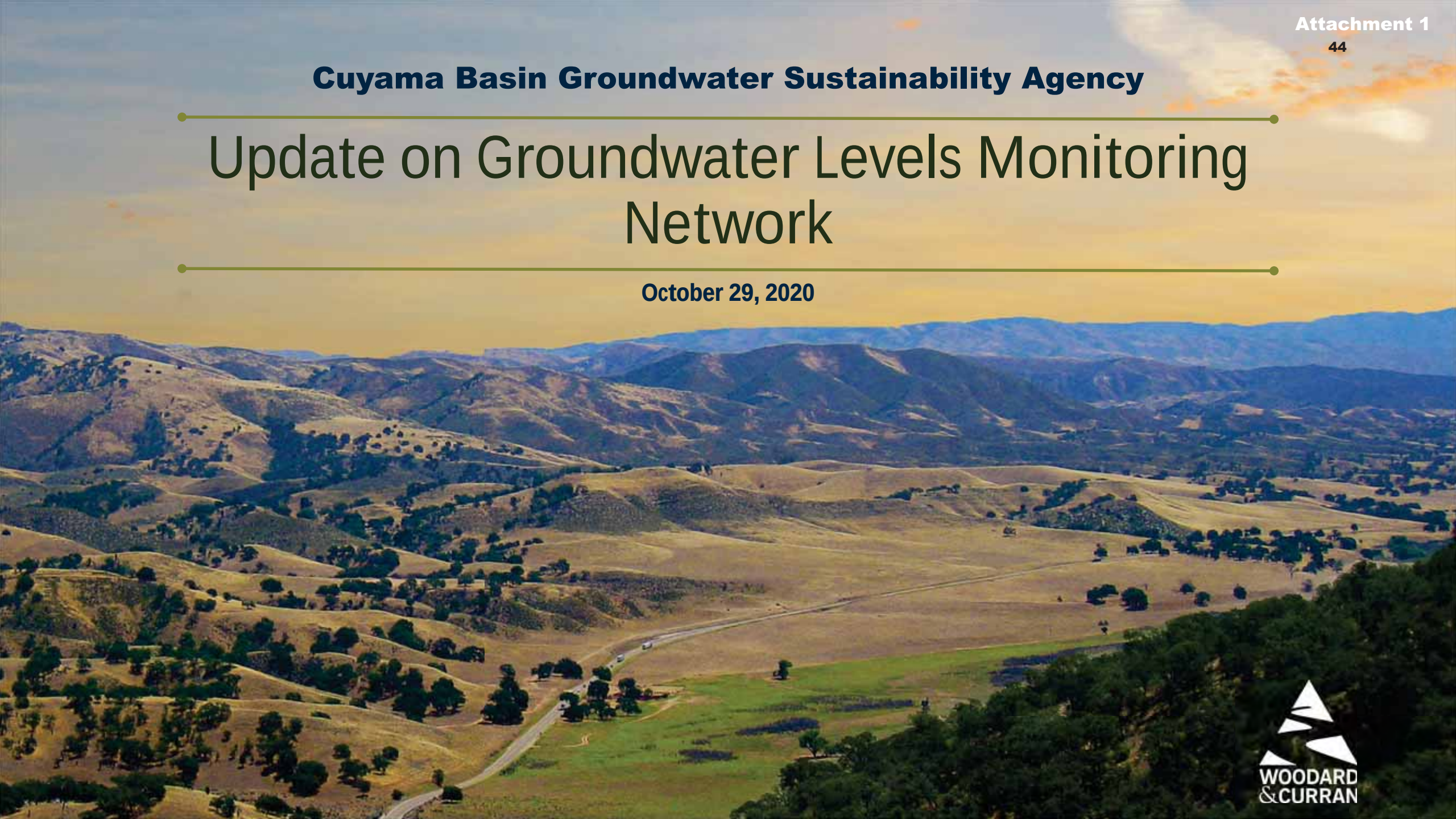
Recommended Motion
None – information only.

Discussion
An update regarding the groundwater levels monitoring network and select hydrographs is provided as Attachment 1. The detailed groundwater levels monitoring report including data for all monitoring wells is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

Update on Groundwater Levels Monitoring Network

October 29, 2020

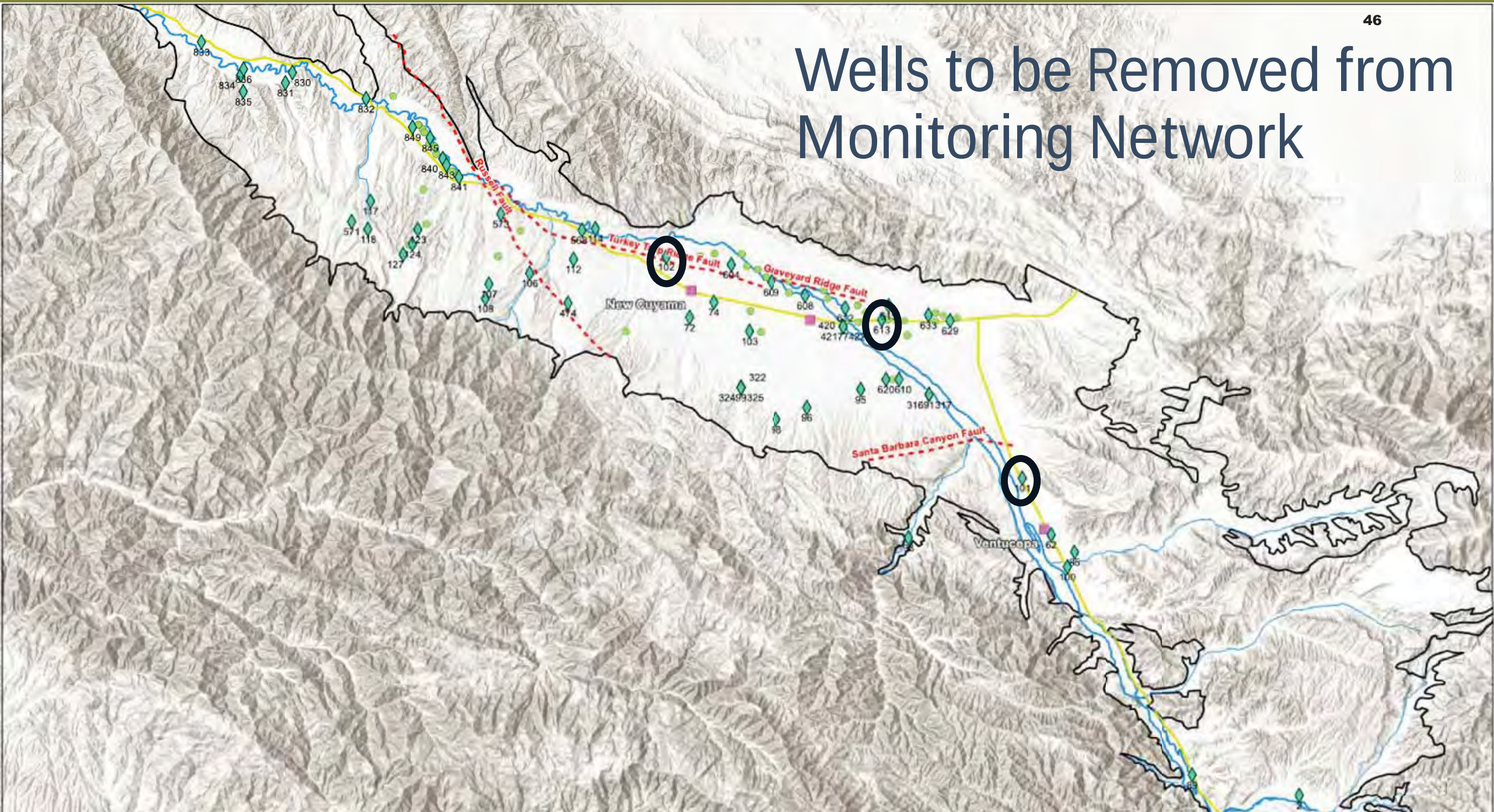


WOODARD &CURRAN

Groundwater Levels Monitoring Network Implementation – Status Update

- Monitoring data from Aug-Oct for representative wells is included in SAC packet monitoring summary report
- 40 of 60 representative monitoring wells have levels data in October
- Status of remaining representative wells:
  - 16 wells: landowner contact/agreement has not been established
  - 1 well: measurement not possible due to pumping in well
  - 3 wells: cannot be measured and removal from monitoring network is recommended (101, 102, 613)
- Staff will provide recommendation for additional monitoring network changes at January Board meeting once well information collection is complete

Wells to be Removed from Monitoring Network



Updates to Data Management System

- Monitoring data from Aug-Oct for representative wells will be uploaded to the Data Management System.
- A monthly update to the DMS is planned after completion of each month's monitoring measurements.
- Staff received a request for an unbudgeted DMS enhancement to add a toggle to the DMS that allows the user to show just the monitoring wells and/or representative wells. This would cost approximately $4,000 to complete. **We are requesting SAC direction on whether we should implement this enhancement.**

Groundwater Levels Management Triggers Included in the GSP

- **Identification of Undesirable Results (3.2.1):**

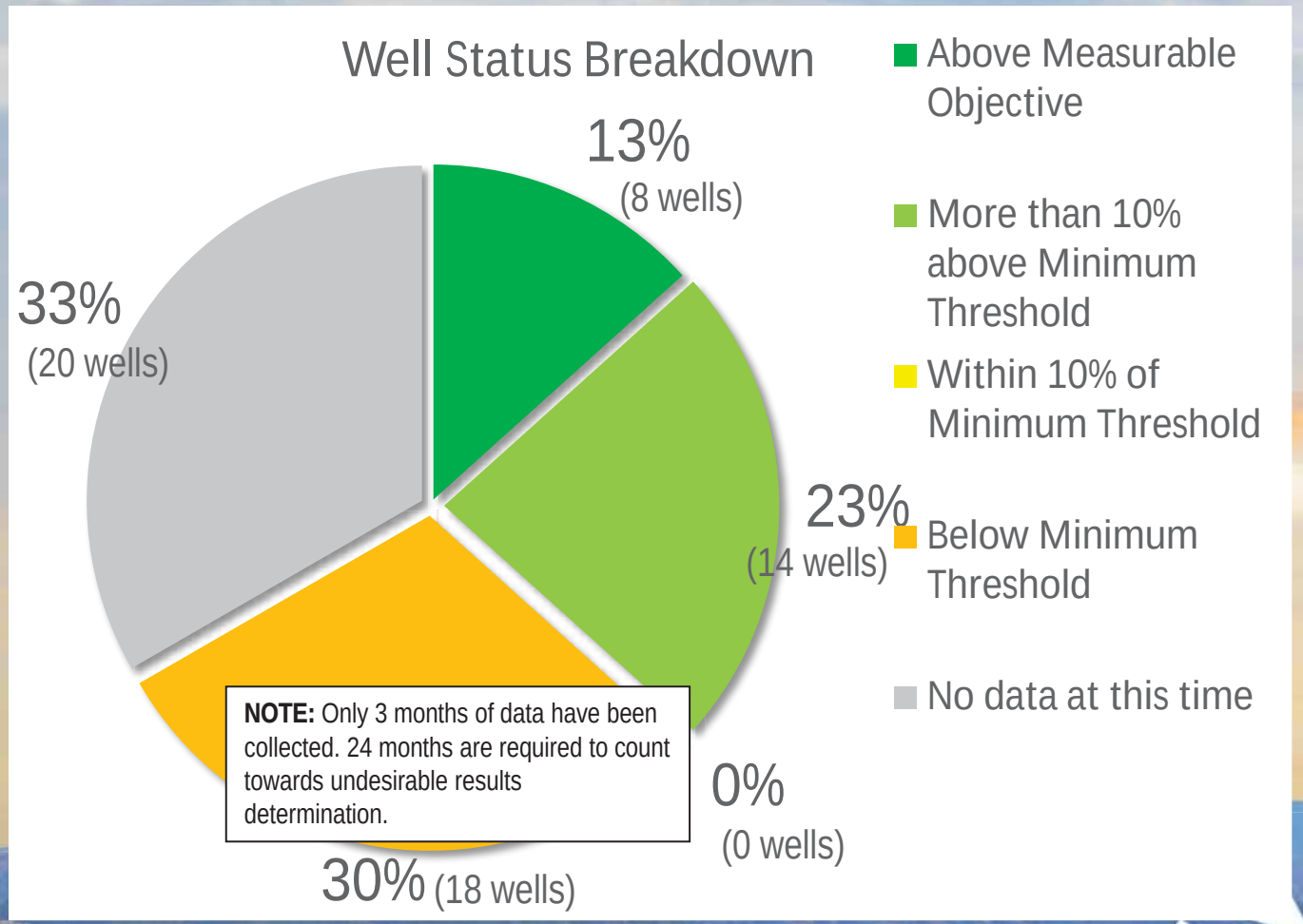
  The result is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e. 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years

- **Adaptive Management (7.6):**

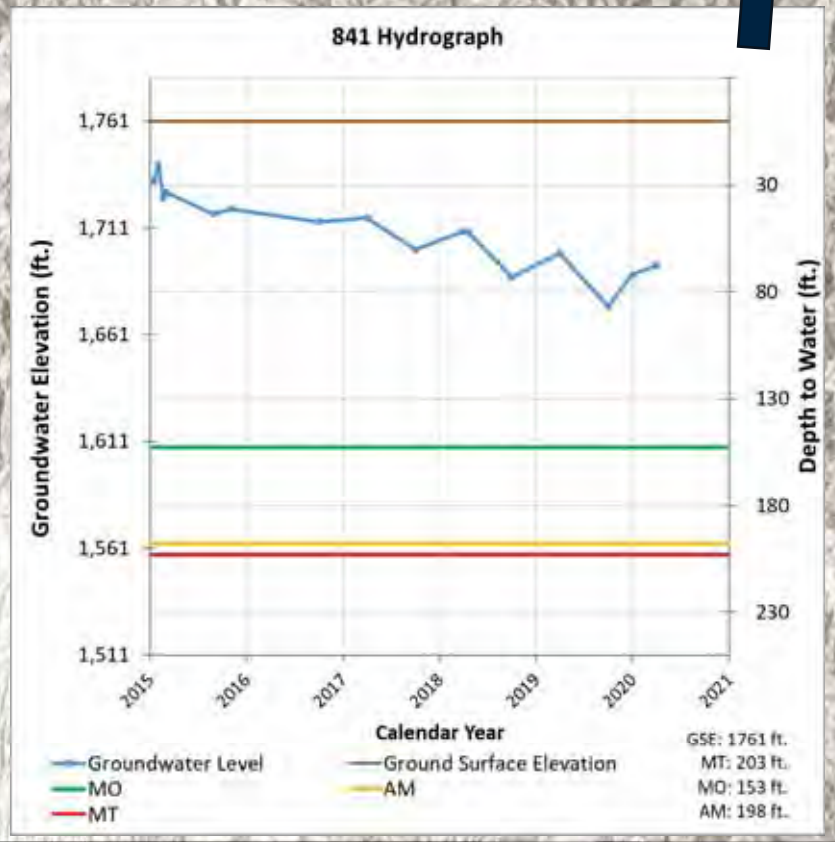
  If the Basin is within the Margin of Operational Flexibility, but trending toward Undesirable Results, and within 10 percent of the Minimum Threshold: CBGSA will investigate the cause and determine appropriate actions.

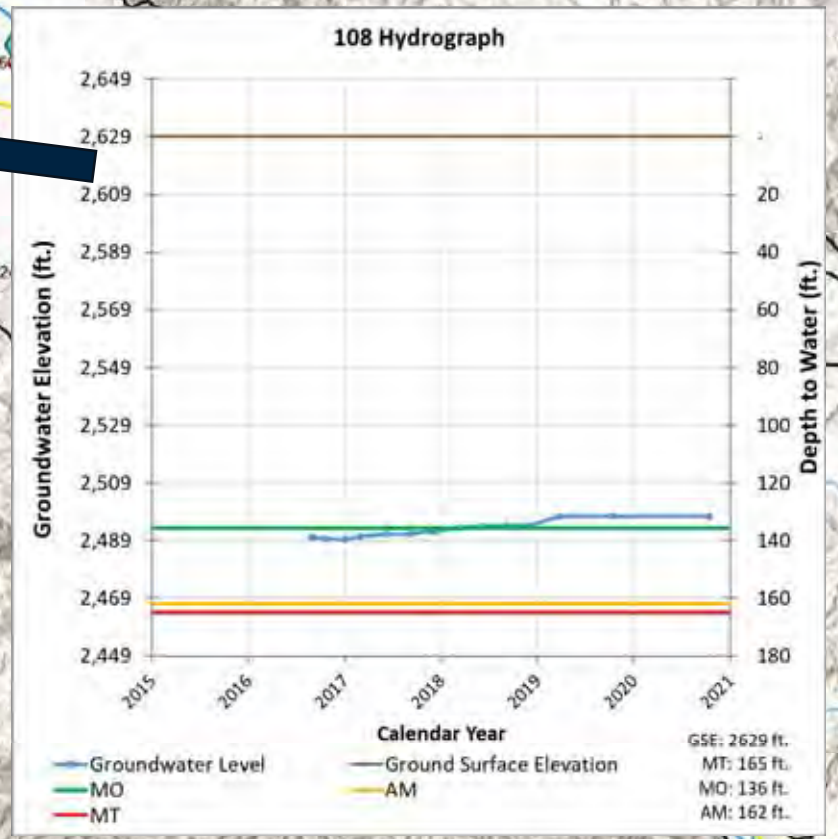
Summary of Groundwater Well Levels as Compared To Sustainability Criteria

- 18 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

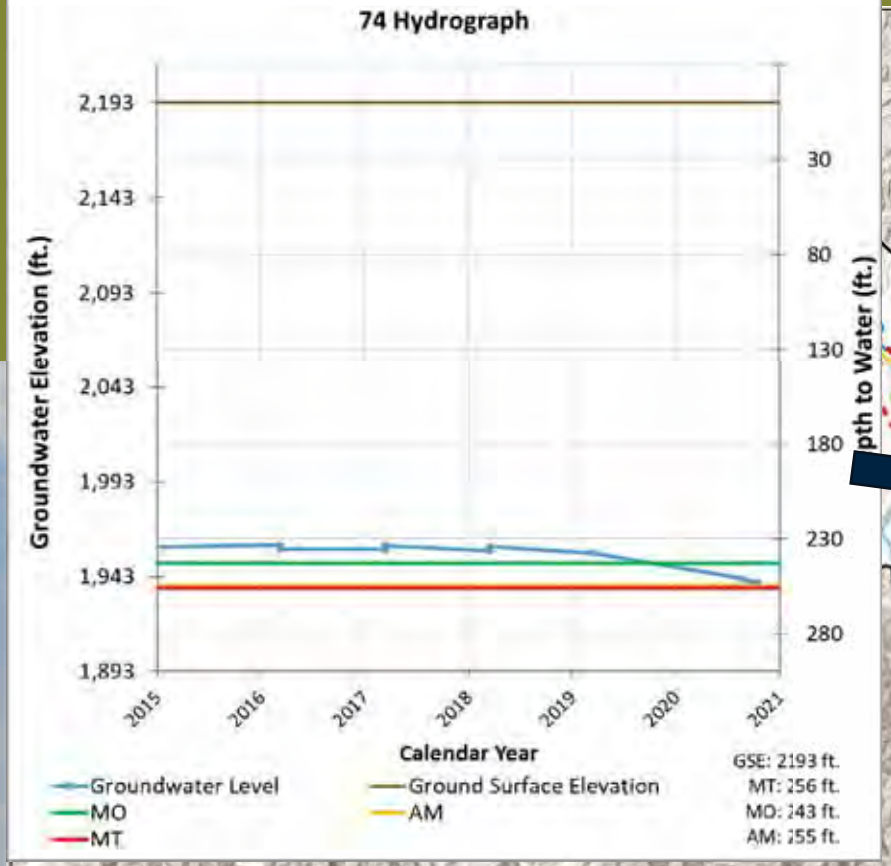


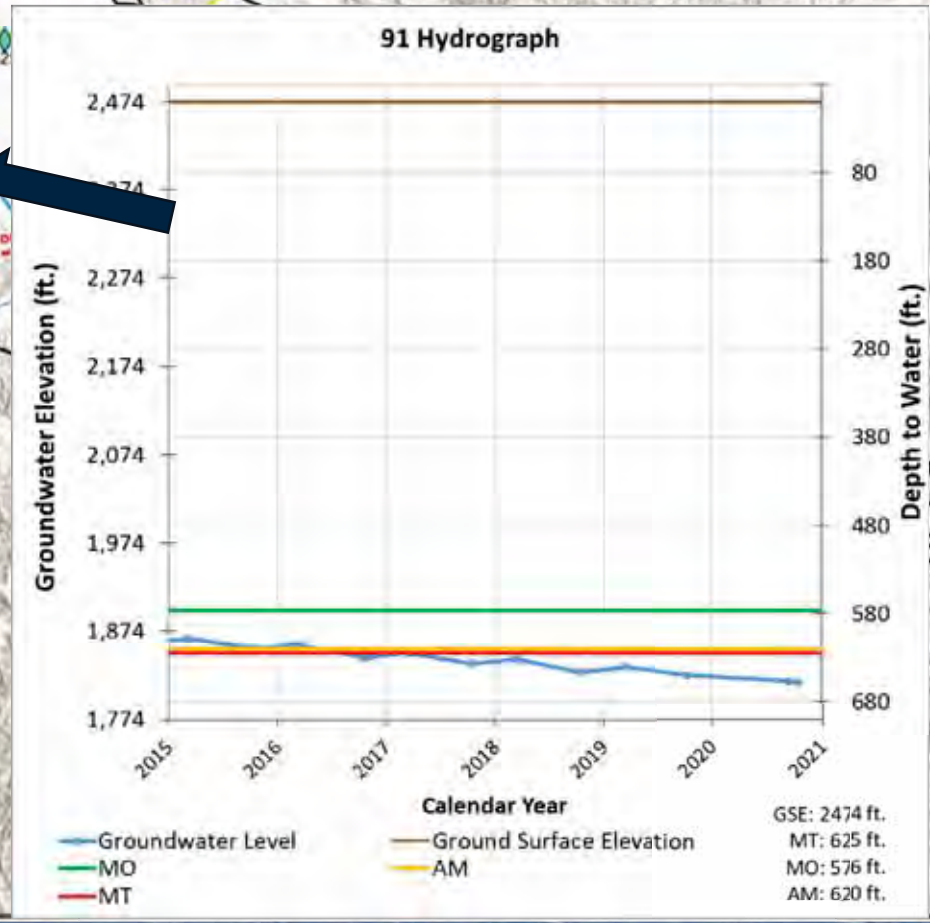
Updated Hydrographs for Selected Monitoring Wells



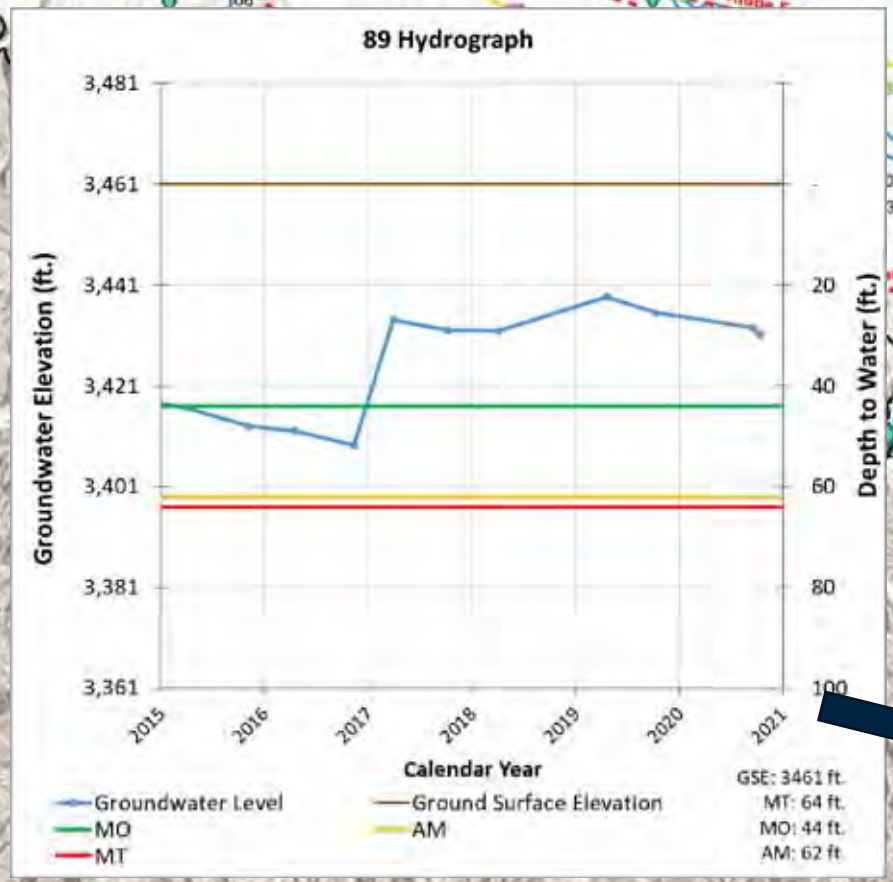


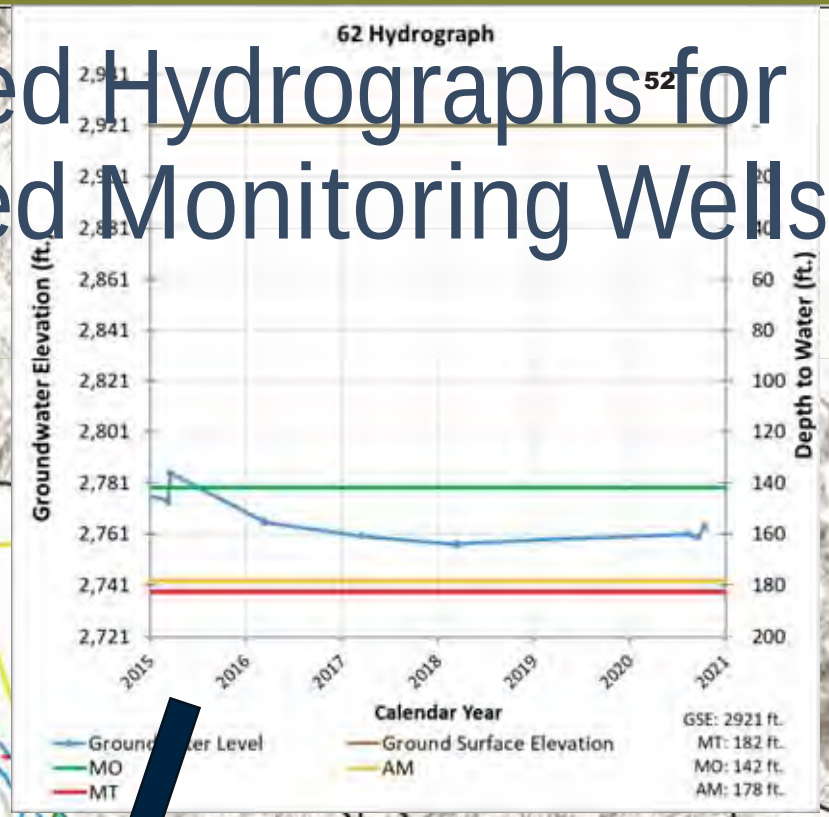
Updated Hydrographs for Selected Monitoring Wells





Updated Hydrographs for Selected Monitoring Wells





GROUNDWATER CONDITIONS REPORT – CUYAMA VALLEY GROUNDWATER BASIN

October 2020

801 T Street
Sacramento, CA.
916.999.8700

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

Cuyama Valley Groundwater Sustainability Agency

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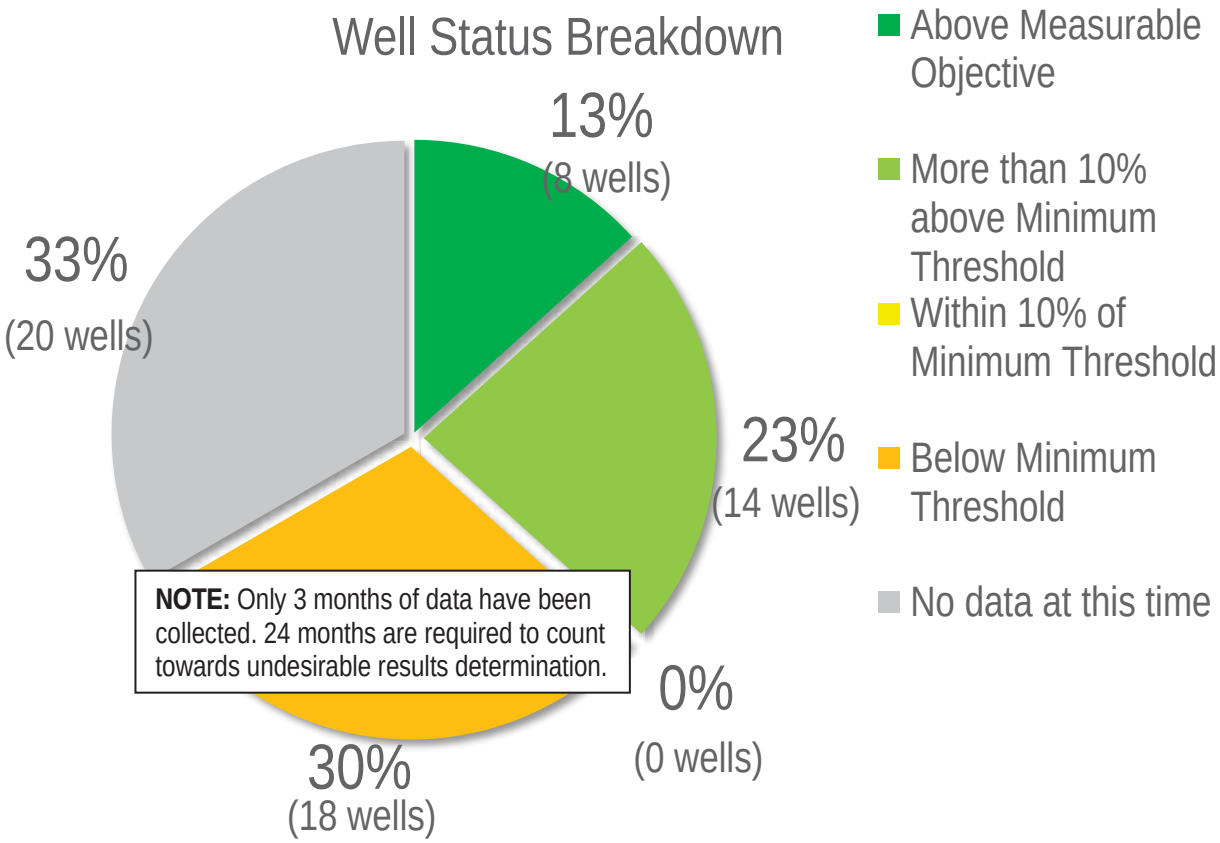
FIGURES

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 heir 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.

All measurements will 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	Aug-20	Sep-20	Oct-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
72	Central	-	-	-	2006	10/9/2019	-
74	Central	1942	1940	1939	1955	3/18/2019	-16
77	Central	-	1775	1793	1803	10/9/2019	-10
91	Central	-	1817	1816	1824	10/9/2019	-8
95	Central	1852	1852	1852	1872	3/22/2019	-20
96	Central	-	2272	2271	2276	3/26/2019	-5
98	Central	-	-	-	2239	3/26/2019	-
99	Central	-	2213	2161	2151	10/2/2019	10
102	Central	-	-	-	1805	3/18/2019	-
103	Central	1974	1965	1960	1980	10/9/2019	-20
112	Central	2055	2054	2055	-	-	-
114	Central	1880	1878	1754	-	-	-
316	Central	-	1817	1811	-	-	-
317	Central	-	1817	1811	-	-	-
322	Central	-	2213	2158	-	-	-
324	Central	-	2214	2174	-	-	-
325	Central	-	2218	2197	-	-	-
420	Central	-	1773	1792	-	-	-
421	Central	-	1788	1796	-	-	-
422	Central	-	-	1830	-	-	-

Well	Region	Aug-20	Sep-20	Oct-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
474	Central	2196	2196	2197	-	-	-
568	Central	-	-	1867	-	-	-
604	Central	1648	1658	1641	-	-	-
608	Central	1806	1810	1809	-	-	-
609	Central	1750	1733	1791	-	-	-
610	Central	1812	1812	1813	-	-	-
612	Central	1858	1851	1808	-	-	-
613	Central	-	-	-	-	-	-
615	Central	1820	1842	1818	-	-	-
620	Central	1820	1815	1836	-	-	-
629	Central	1824	1864	1882	-	-	-
633	Central	1797	1807	-	-	-	-
62	Eastern	2761	2760	2764	-	-	-
85	Eastern	-	2844	2844	-	-	-
100	Eastern	2852	2852	2852	-	-	-
101	Eastern	-	-	-	-	-	-
840	Northwestern	-	-	-	1626	10/1/2019	-
841	Northwestern	-	-	-	1674	10/1/2019	-
843	Northwestern	-	-	-	1649	10/1/2019	-
845	Northwestern	-	-	-	1647	10/1/2019	-
849	Northwestern	-	-	-	-	-	-

Well	Region	Aug-20	Sep-20	Oct-20	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/ Year	
2	Southeastern	3694	3691	3695	-	-	-
89	Southeastern	-	3433	3432	-	-	-
106	Western	-	-	2184	-	-	-
107	Western	-	-	2399	-	-	-
108	Western	-	-	2498	-	-	-
117	Western	-	-	-	-	-	-
118	Western	-	-	2215	2212	10/10/2019	3
123	Western	-	-	-	2158	10/10/2019	-
124	Western	-	-	-	2243	10/10/2019	-
127	Western	-	-	-	2333	10/10/2019	-
571	Western	2183	2180	2178	-	-	-
573	Western	2014	2013	2014	-	-	-
830	Far-West Northwestern	-	-	-	1514	3/26/2019	-
831	Far-West Northwestern	-	-	-	1513	10/10/2019	-
832	Far-West Northwestern	-	-	1593	1592	10/9/2019	1
833	Far-West Northwestern	-	-	1405	1429	10/9/2019	-24

Well	Region	Aug-20	Sep-20	Oct-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	-	-	-	-
835	Far-West Northwestern	-	1520	-	1525	10/10/2019	-
836	Far-West Northwestern	-	1450	-	1451	10/10/2019	-

Table 2: Well Status Related to Thresholds

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Status	GSA Action Required?
		GWL (DTW)	Month/ Year					
72	Central	-	-	169	165	124	No available data this period	No
74	Central	254	10/15/2020	256	255	243	More than 10% above Minimum Threshold	No
77	Central	493	10/15/2020	450	445	400	Below Minimum Threshold	No
91	Central	658	10/15/2020	625	620	576	Below Minimum Threshold	No
95	Central	597	10/15/2020	573	570	538	Below Minimum Threshold	No
96	Central	335	10/15/2020	333	332	325	Below Minimum Threshold	No
98	Central	-	-	450	449	439	No available data this period	No
99	Central	352	10/15/2020	311	310	300	Below Minimum Threshold	No
102	Central	-	-	235	231	197	No available data this period	No
103	Central	329	10/15/2020	290	285	235	Below Minimum Threshold	No
112	Central	84	10/16/2020	87	87	85	Above Measurable Objective	No
114	Central	171	10/16/2020	47	47	45	Below Minimum Threshold	No
316	Central	663	10/15/2020	623	618	574	Below Minimum Threshold	No
317	Central	663	10/15/2020	623	618	573	Below Minimum Threshold	No
322	Central	355	10/15/2020	307	306	298	Below Minimum Threshold	No
324	Central	339	10/15/2020	311	310	299	Below Minimum Threshold	No
325	Central	316	10/15/2020	300	299	292	Below Minimum Threshold	No
420	Central	494	10/15/2020	450	445	400	Below Minimum Threshold	No
421	Central	490	10/15/2020	446	441	398	Below Minimum Threshold	No
422	Central	456	10/15/2020	444	439	397	Below Minimum Threshold	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Status	GSA Action Required?
		GWL (DTW)	Month/ Year					
474	Central	172	10/16/2020	188	186	169	More than 10% above Minimum Threshold	No
568	Central	38	10/16/2020	37	37	36	Below Minimum Threshold	No
604	Central	484	10/19/2020	526	522	487	Above Measurable Objective	No
608	Central	415	10/19/2020	436	433	407	More than 10% above Minimum Threshold	No
609	Central	376	10/19/2020	458	454	421	Above Measurable Objective	No
610	Central	629	10/19/2020	621	618	591	Below Minimum Threshold	No
612	Central	458	10/19/2020	463	461	440	More than 10% above Minimum Threshold	No
613	Central	-	-	503	500	475	No available data this period	No
615	Central	509	10/19/2020	500	497	468	Below Minimum Threshold	No
620	Central	596	10/19/2020	606	602	566	More than 10% above Minimum Threshold	No
629	Central	497	10/16/2020	559	556	527	Above Measurable Objective	No
633	Central	-	10/19/2020	547	542	493	No available data this period	No
62	Eastern	157	10/15/2020	182	178	142	More than 10% above Minimum Threshold	No
85	Eastern	203	10/15/2020	233	225	147	More than 10% above Minimum Threshold	No
100	Eastern	152	10/15/2020	181	175	125	More than 10% above Minimum Threshold	No
101	Eastern	-	-	111	108	81	No available data this period	No
840	Northwestern	-	-	203	198	153	No available data this period	No
841	Northwestern	-	-	203	198	153	No available data this period	No
843	Northwestern	-	-	203	198	153	No available data this period	No
845	Northwestern	-	-	203	198	153	No available data this period	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Status	GSA Action Required?
		GWL (DTW)	Month/ Year					
849	Northwestern	-	-	203	198	153	No available data this period	No
2	Southeastern	25	10/15/2020	72	70	55	Above Measurable Objective	No
89	Southeastern	29	10/15/2020	64	62	44	Above Measurable Objective	No
106	Western	143	10/15/2020	154	153	141	More than 10% above Minimum Threshold	No
107	Western	83	10/15/2020	91	89	72	More than 10% above Minimum Threshold	No
108	Western	131	10/15/2020	165	162	136	Above Measurable Objective	No
117	Western	-	-	160	159	151	No available data this period	No
118	Western	55	10/15/2020	124	117	57	Above Measurable Objective	No
123	Western	-	-	31	29	13	No available data this period	No
124	Western	-	-	73	71	57	No available data this period	No
127	Western	-	-	42	41	32	No available data this period	No
571	Western	129	10/15/2020	144	142	121	More than 10% above Minimum Threshold	No
573	Western	70	10/16/2020	118	113	68	More than 10% above Minimum Threshold	No
830	Far-West Northwestern	-	-	59	59	56	No available data this period	No
831	Far-West Northwestern	-	-	77	75	52	No available data this period	No
832	Far-West Northwestern	37	10/16/2020	45	44	30	More than 10% above Minimum Threshold	No
833	Far-West Northwestern	52	10/15/2020	96	89	24	More than 10% above Minimum Threshold	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Status	GSA Action Required?
		GWL (DTW)	Month/ Year					
834	Far-West Northwestern	-	-	84	80	42	No available data this period	No
835	Far-West Northwestern	-	-	55	53	36	No available data this period	No
836	Far-West Northwestern	-	-	79	75	36	No available data this period	No

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

4. HYDROGRAPHS

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

Figure 1: Southeast Region – Well 89

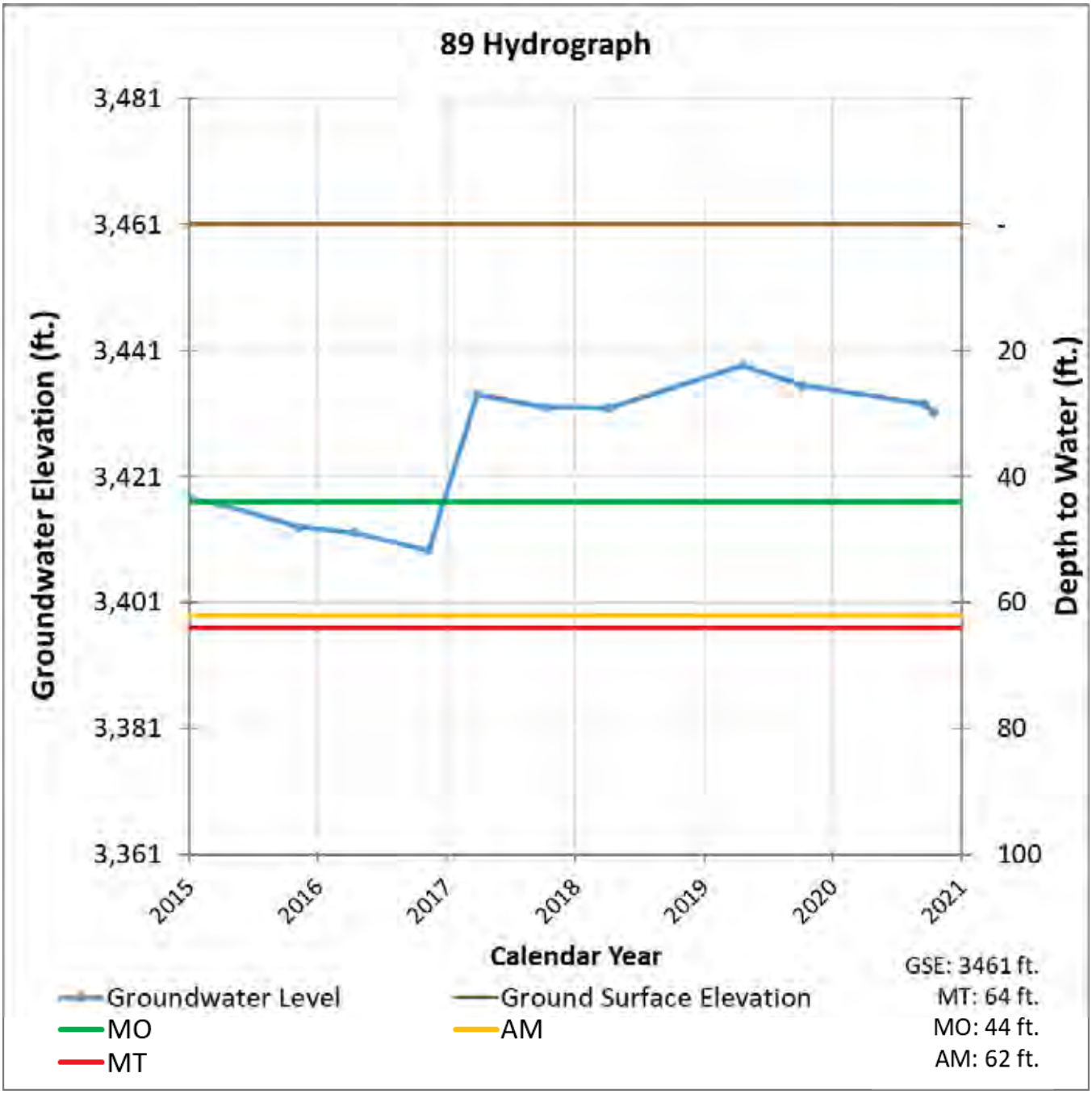


Figure 2: Eastern Region – Well 62

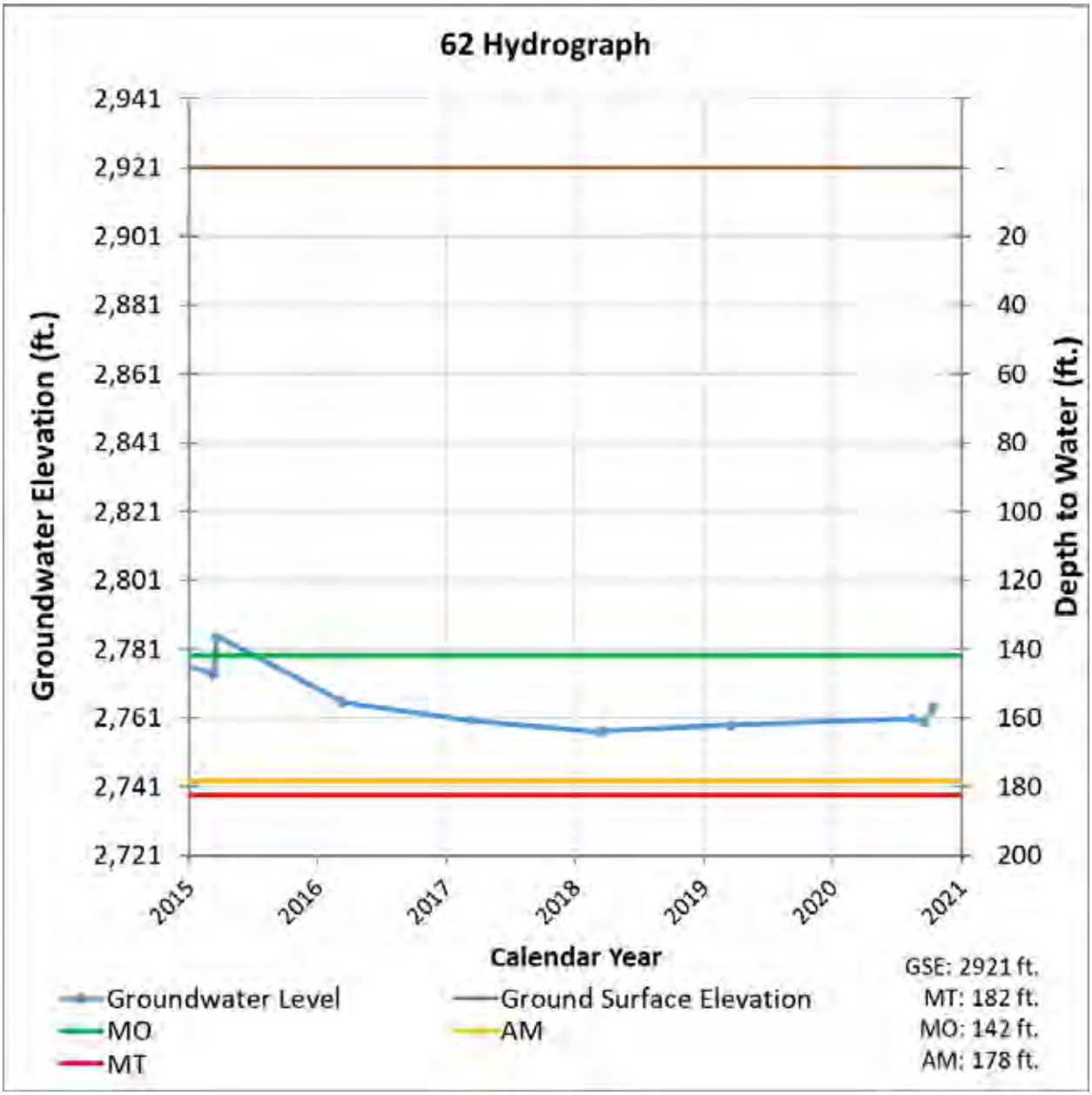


Figure 3: Central Region – Well 91

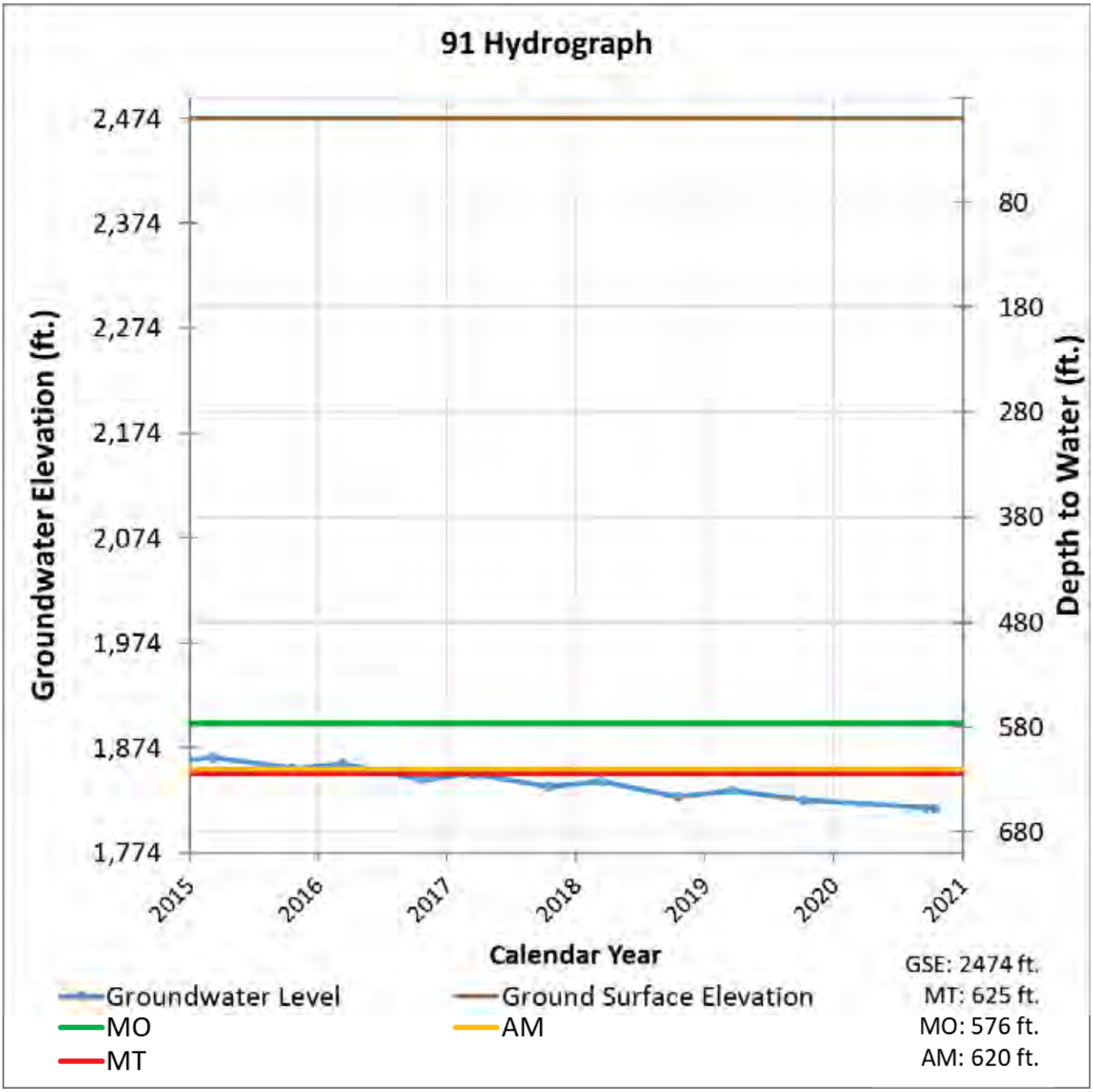


Figure 4: Central Region – Well 74

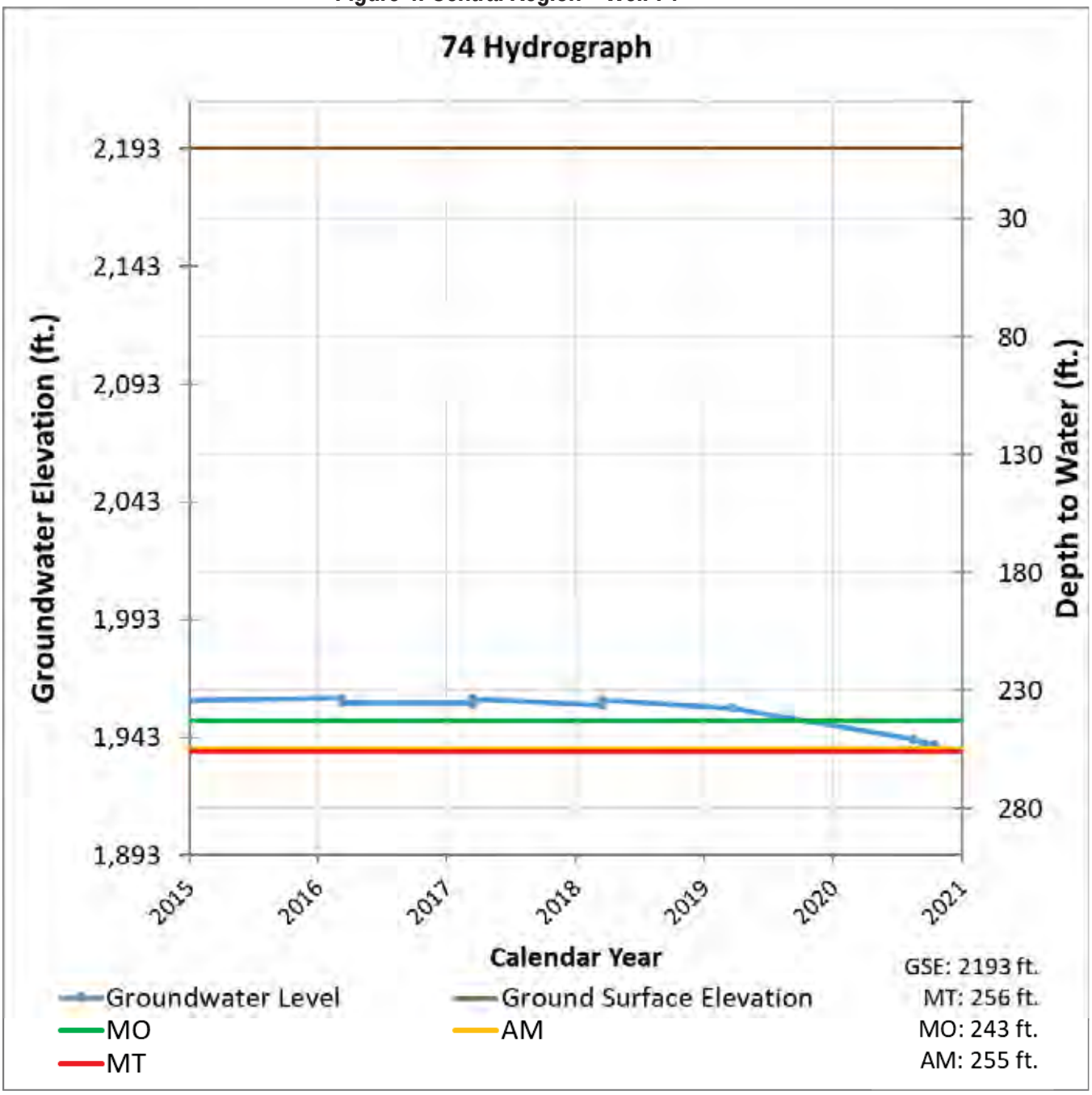


Figure 5: Western Region – Well 108

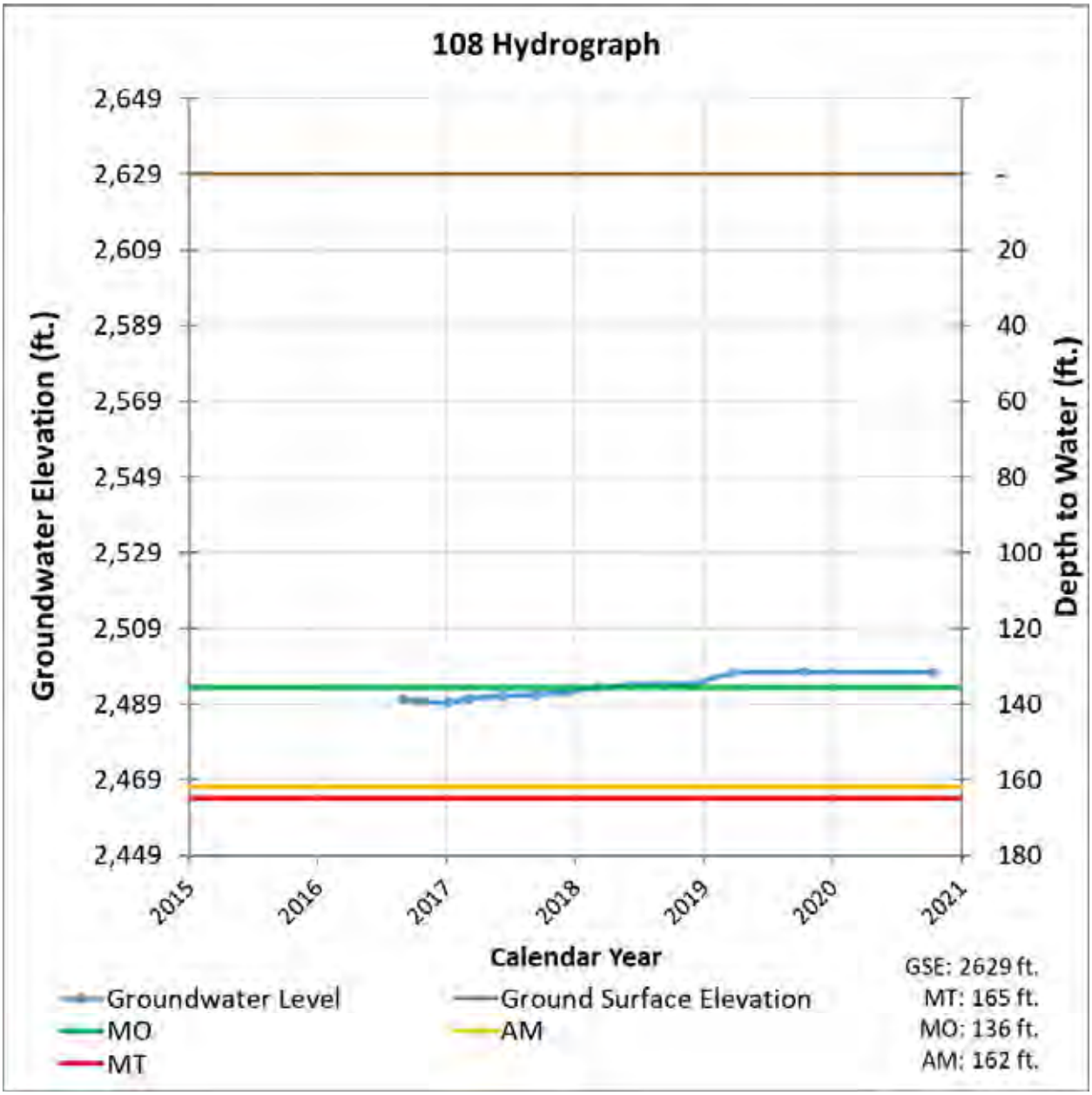


Figure 6: Northwestern Region – Well 841

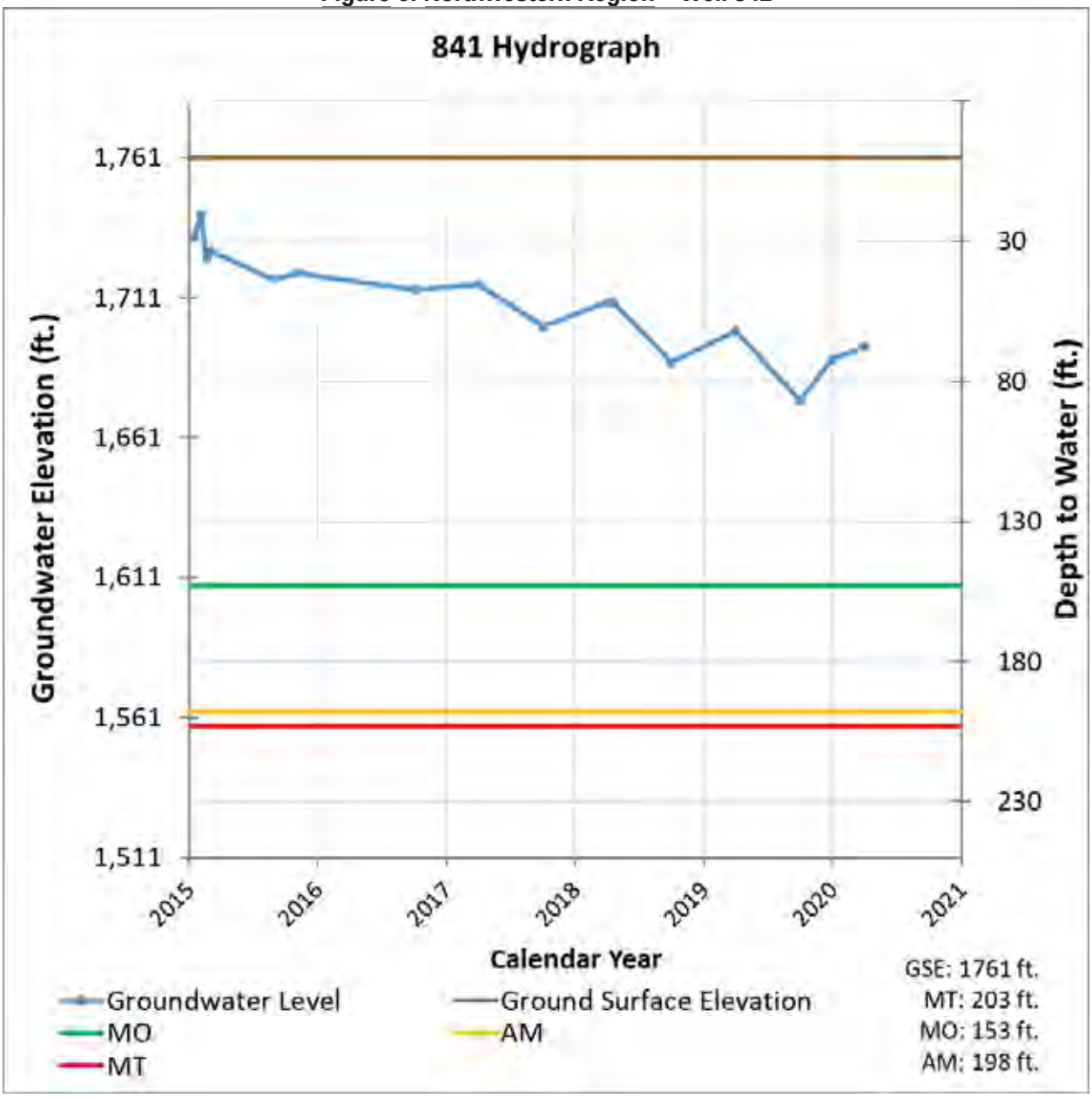


Figure 7: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

As shown in the Summary Statistics Section, there are 20 wells without current measurements. These "no measurement codes" can generally caused for three different reasons. Of these wells three are recommended to be removed from the monitoring network at this time as described below.

- Access agreements have not yet been established with the landowner, or no access at time of measurement:
    - Wells 72, 98, 117, 123, 124, 127, 830, 831, 834, 835, 836, 840, 841, 843, 845, and 849
- Measurement was not possible due to pumping when the field technician went to take measurements:
    - Well 633
- Wells that are recommended to be removed:
    - Wells 101, 102, and 613

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COMMITMENT & INTEGRITY DRIVE RESULTS

TO: Standing Advisory Committee
Agenda Item No. 6f

FROM: Taylor Blakslee, Hallmark Group

DATE: October 29, 2020

SUBJECT: Approval of Groundwater Quality Monitoring Network Consultant

Issue
Approval of groundwater quality monitoring network consultant.

Recommended Motion
Approve Provost & Pritchard's groundwater quality monitoring scope.

Discussion
Provost & Pritchard (P&P) currently preforms monthly groundwater level measurements for the Cuyama Basin Groundwater Sustainability Agency (CBSGA). Staff requested P&P provide a scope for the set up and implementation of a water quality network. The scope considers annual salinity measurements for 64 wells for a cost not to exceed $36,000. This is a budgeted expenditure and staff recommends approving the scope provided as Attachment 1.

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www.ppeng.com

October 23, 2020

Taylor Blakslee
Cuyama Basin Groundwater Sustainability Agency
4900 California Ave, Tower B, 2nd Floor
Bakersfield, CA 93309

Subject: CBGSA – Groundwater Quality Monitoring

Dear Mr. Blakslee:

Thank you for the opportunity to submit this proposal to provide consulting and monitoring services to develop and implement a groundwater quality monitoring network. This proposal discusses our understanding of the project, recommends a scope of services together with associated fees, deliverables, and approximate schedules, sets forth our assumptions and discusses other offered services that may be of interest as the project proceeds.

The team at Provost & Pritchard Consulting Group's (**Provost & Pritchard**) Visalia and Bakersfield offices have extensive experience with the Sustainable Groundwater Management Act (**SGMA**), groundwater quality monitoring network development, groundwater sampling, and coordinating with multiple agencies to unify efforts and accomplish varied goals.

Project Understanding

The Cuyama Basin Groundwater Sustainability Agency (**CBGSA**) developed a Groundwater Sustainability Plan (**GSP**) as required by SGMA. The CBGSA selected Provost & Pritchard to establish a groundwater level monitoring network of approximately 100 wells. The CBGSA has since requested a proposal to develop a groundwater quality monitoring network and implement the monitoring plan.

There are 64 wells identified for potential inclusion in the groundwater quality monitoring network. Thirty-six of the wells are not in the groundwater level monitoring network. The intent of the groundwater quality monitoring program is to measure salinity annually.

Scope of Services

Provost & Pritchard will contact the CBGSA to prepare for the work and ensure all requirements will be met. The final product will be a Technical Memo that includes the data and summarizes all work completed.

Our scope of work for this proposal will be completed in one phase, described below. The scope of work only includes tasks and services requested by the CBGSA.

Phase GQM: Groundwater Quality Monitoring for 64 Wells

1. Project Administration and Management
    a. Provide consistent and available communications with CBGSA.
    b. Track project deliverables, budget, and schedule.

2. Obtain Landowner Agreements
    a. Discover missing contact information.
    b. Develop field sheets.
    c. Provide Access and Monitoring Agreements.
    d. Organize Access and Monitoring Agreements and follow up if necessary.

3. Water Quality Measurements
    a. Review wells for suitability.
    b. Coordinate water quality testing with well owners.
    c. Measure salinity as electrical conductivity (**EC**) and total dissolved solids (**TDS**) at each well. Measurement will be taken with a flow-through Horiba multimeter according to Standard Operating Procedure, to include meter calibration, well purging, and applicable site condition notes.

4. Data Management and Reporting
    a. Develop technical memo documenting work performed.
    b. Compile water quality data and complete data quality assurance and control measures.
    c. Completed monitoring site information form for each well.

Deliverables:

- Field sheets for each well with measurements and pertinent notes.
- Signed Access and Monitoring Agreement from landowners that require them.
- Excel workbook including date, time, location, EC, TDS, and pertinent notes for each measurement.
- Brief technical memo summarizing work performed.

Professional Fees

Provost & Pritchard Consulting Group will perform the services on a time and materials basis, in accordance with our Standard Fee Schedule in effect at the time services are rendered. Reimbursable expenses will be invoiced in addition to professional fees and are included in the estimated fee. These fees will be invoiced monthly as they are accrued, and our total fees, including reimbursable expenses, will not exceed our estimate without additional authorization.

Proposed Fee – CBGSA, Groundwater Quality Monitoring Network Setup and Data Collection	
Phase	**Estimated Fee**
Phase GQM – Groundwater Quality Monitoring for 64 Wells	
Landowner Agreements	$11,500
Water Quality Measurements	$20,500
Data Management and Reporting	$4,000
Total	**$36,000**

Schedule

Provost & Pritchard is prepared to begin immediately upon authorization to proceed. Once we receive an executed copy of this Proposal, and are authorized to proceed, we will work with the CBGSA to develop a mutually agreed upon schedule. Potential impacts to the schedule due to COVID-19 will also be considered.

Assumptions

- If any of the proposed 64 wells are not suitable for sampling, then upon CBGSA's prior approval other wells can be added for additional scope and fee. Wells without pumps will be removed from the network or can be sampled with portable pumping equipment for additional scope and fee.
- Landowners are assumed to be amicable to sampling and prompt in their communication. Landowners that require more than three (3) communication attempts to sign land access permissions and schedule a sample date are additional work and outside of the scope and fee estimate.
- Landowners are not required to be on premises for well sampling if the well will be running. Expecting field staff to communicate and meet discrete sampling appointments to allow landowner supervision is additional work, reduces the number of wells that can be sampled within a day, and outside the scope of work and the fee estimate.
- Surveying (establishing elevations) will not be required for wells which are not included in the Groundwater Level Monitoring Network.
- Data is to be reported to Woodard & Curran via Excel spreadsheet.
- Wells are in sufficient condition to be sampled and modifications are not necessary.
- Well logs will not be needed at this time.
- Without well logs a volume of three well casings cannot be calculated. Therefore, a standard purge time and/or volume will be acceptable, which will be based on purge requirements for similar water quality networks and will be agreed upon before implemented.

- Provost & Pritchard will not turn wells on or off, the landowner or authorized manager will need to be present if a well will not otherwise be running.
- Landowners will provide guidance regarding discharge locations for purged water.
- A handheld flow-through Horiba multimeter is sufficient for EC and TDS measurements – no lab work is necessary.

Additional Services

The following services are not included in this proposal. However, these and others can be provided at additional cost, either directly by Provost & Pritchard Consulting Group or through subconsultants, upon request.

- Data management system.
- Additional groundwater quality sampling (nitrate, TCP, DBCP, general minerals, perchlorate, etc.).
- Expansion of the CBGSA's groundwater quality monitoring network if the original 64 wells are not sufficient.

Terms and Conditions

If this proposal is acceptable, please sign the Consultant Services Agreement, and return a copy to our office. These documents will serve as our Notice to Proceed. This proposal is valid for 30 days from the date above.

Respectfully,

Provost & Pritchard Consulting Group

Timothy J. Jeffcoach, RCE 90275
Project Manager

Donald Ikemiya, RCE 56630
Vice President

Terms and Conditions Accepted

By: Cuyama Basin Groundwater Sustainability Agency

Signature

Printed Name

Title Date

Water Quality Scope

- GSP requires annual monitoring of salinity.
- Provost & Pritchard provided a scope to set up the water quality network and perform in-field measurements of TDS and EC for 64 wells.
- Cost proposal:

Landowner Agreements	$11,500
Water Quality Measurements	$20,500
Data Management and Reporting	$4,000
TOTAL	**$36,000**

- **Recommended Motion:**
  Approve Provost & Pritchard's scope of work for setup and monitoring of a groundwater quality network.

TO: Standing Advisory Committee
Agenda Item No. 6g

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on Groundwater Dependent Ecosystems Monitoring Plan

Issue
Discuss update on the Groundwater Dependent Ecosystems monitoring plan.

Recommended Motion
None – information only.

Discussion
An update on the Groundwater Dependent Ecosystems monitoring plan is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Update on Groundwater Dependent Ecosystems Monitoring Plan

October 29, 2020

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Background Groundwater on Dependent Ecosystems (GDEs)

- SGMA requirements:
  - Identification of GDEs (10727.2(a))
  - Describe impacts of management actions on GDEs (10727.4)
    - But no specific management actions are required to protect identified GDEs
- Summary of Analysis Performed by W&C for GSP:
  - Used Nature Conservancy dataset
  - Verified polygons by licensed biologist
  - Reviewed relationship between GDEs and monitoring
  - Verified GDEs
- GSP Recommendation:
  - Install piezometers near GDE locations, especially in western portion of basin

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Review of GSP Analysis of GDEs

- CA DWR Dataset
- Identifies potential vegetation and wetlands dependent on groundwater
- DWR recommends verification by GSA

GDEs – Biologist Field Verification

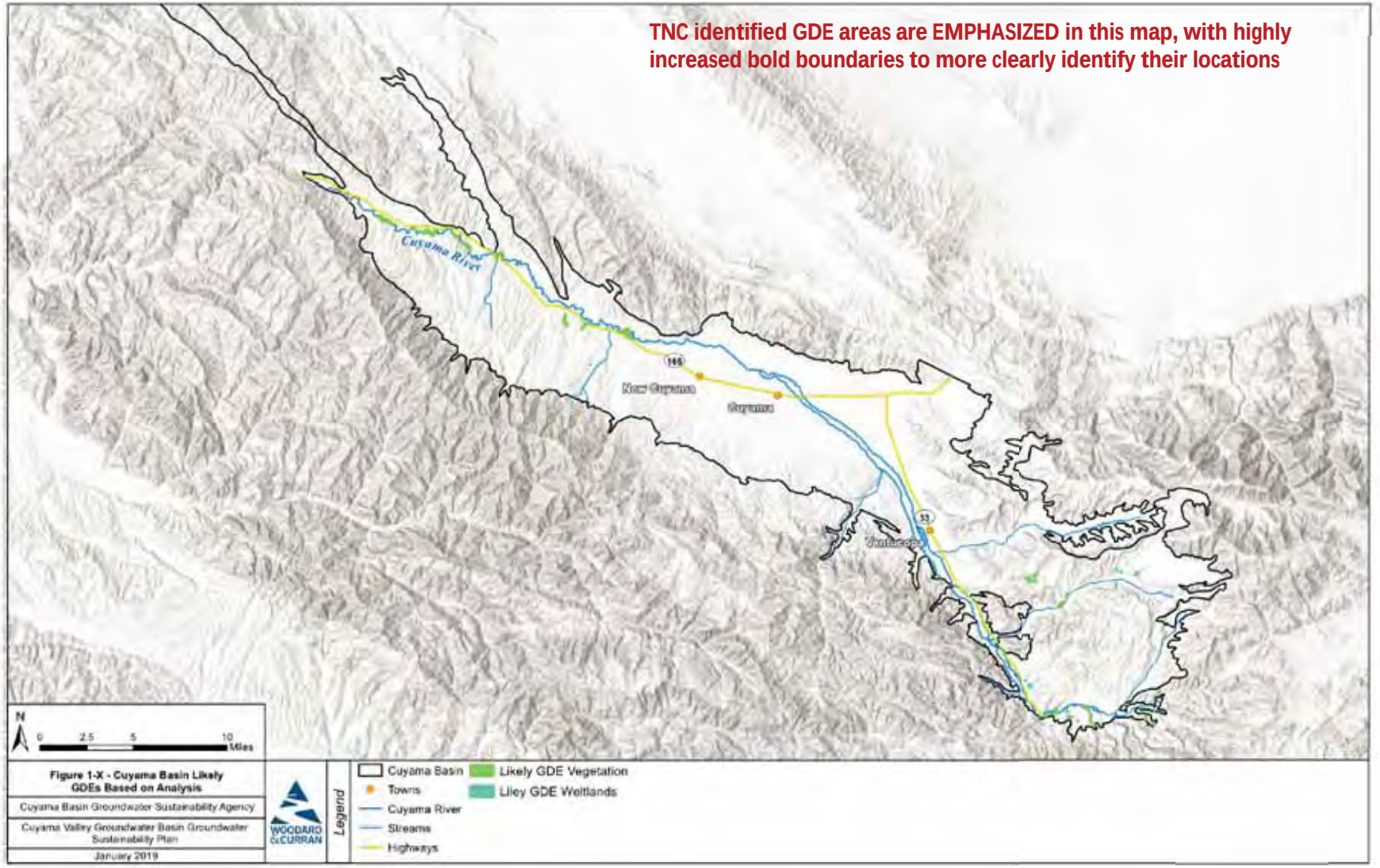
- Remote Sensing
- Field Verification
- Updated NC Dataset

GDEs – Biologist Field Verification

- Points indicate analyzed points in the DWR dataset

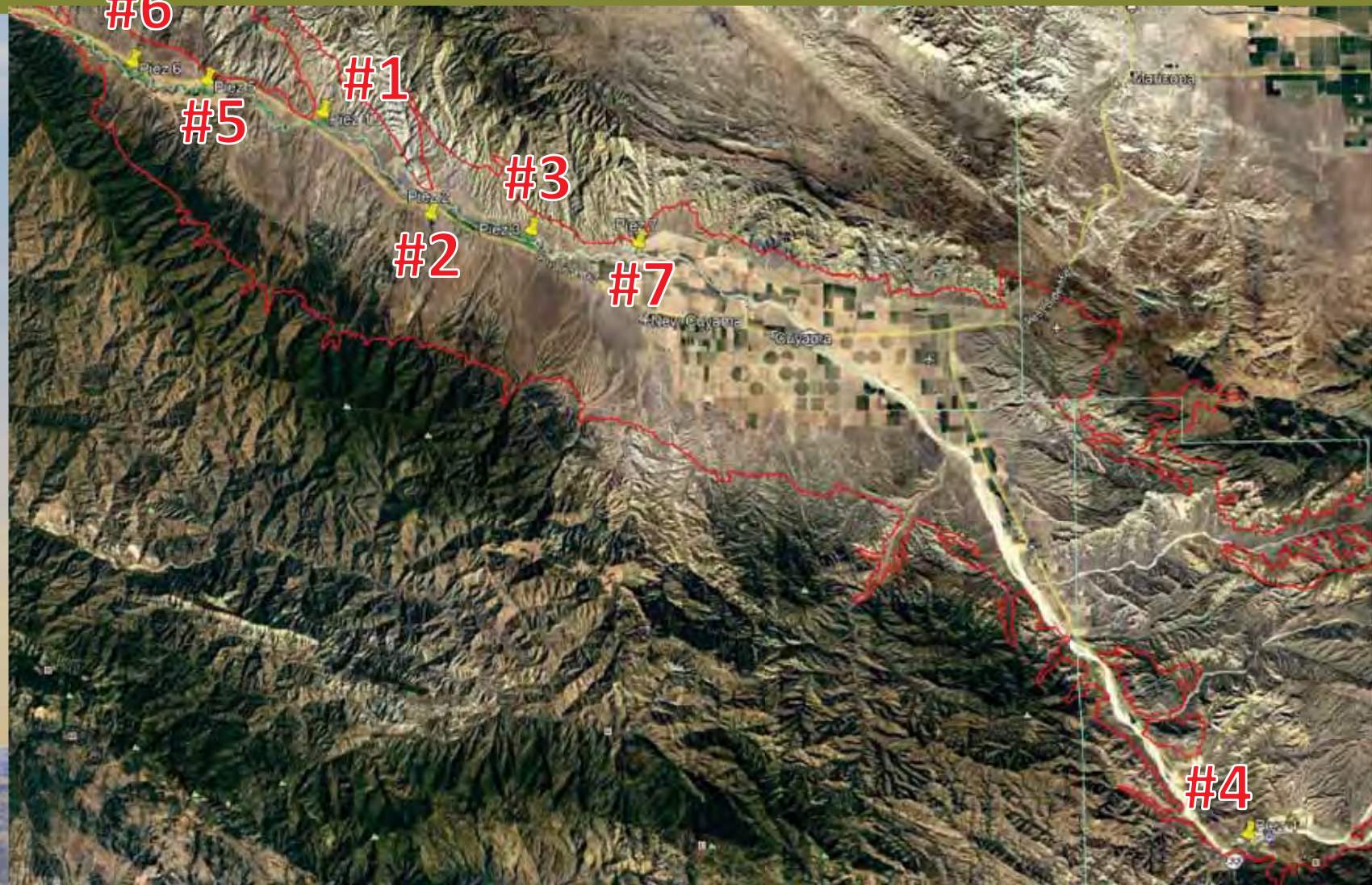
GDEs – Verified for Identification in GSP

- 497 Acres of verified GDEs
- GDEs occur near the river, and near faults and canyons



Potential Piezometer Locations

- Ad-hoc committee discussed 7 general GDE areas for potential piezometer installation
- Ad-hoc committee recommended:
  - Move forward with #1 & #4
  - Explore possible Caltrans site in place of #3
  - Explore alternative to site #7 east of New Cuyama
- Grapevine Capital is planning to install 3 piezometers in the vicinity of site #1
- Next steps for remaining sites (#4 and alts to #3 and #7):
  - Discuss with landowner
  - Confirm suitability
  - Determine specific location for installation



TO: Standing Advisory Committee
Agenda Item No. 6h

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Direction on Prop 68 Implementation Grant Opportunity

Issue
Prop 68 implementation grant opportunity.

Recommended Motion
None – Direction from the Standing Advisory Committee.

Discussion
Provided as Attachment 1 is a draft list of components to consider including in an application for the upcoming Prop 68 implementation grant funding opportunity.

Cuyama Basin Groundwater Sustainability Agency

Direction on Proposition 68 Implementation Grant Opportunity

October 29, 2020

WOODARD &CURRAN

Overview of Prop 68 SGM Implementation Grant Opportunities

- Round 1:
  - $26 million
  - Critically overdrafted basins only
- Round 2:
  - $62 million
  - Open to all medium and high priority basins
- Range of grant awards:
  - $2-5 million

TABLE 2 – SCHEDULE FOR SGM IMPLEMENTATION – ROUNDS 1 AND 2 GRANT SOLICITATION

Milestone or Activity	Tentative Schedule [2]
Round 1 Schedule	
Final 2020 PSP posted to public	December 2020
Round 1 Grant Solicitation Opens	December 2020
Application Workshop	January 2021
Round 1 Grant Solicitation Closes	January 2021
Public Review of Draft Funding List	March 2021
Final Awards	May 2021
Round 2 Schedule	
Round 2 Grant Solicitation Opens	Spring 2022
Public Review of Draft Funding List	Summer 2022
Final Awards	Fall 2022

[2] Dates are subject to change and will be determined based on number of comments received for the draft document, number of applications received, amount of funds requested, and number of grant awards given.

WOODARD &CURRAN

Eligible Project Types

- Development of groundwater recharge projects with surface water, stormwater, recycled water, and other conjunctive use projects
- Projects that prevent or clean up contamination of groundwater that serves as a source of drinking water.
- Projects and programs that support water supply reliability, water conservation, and water use efficiency and water banking, exchange, and reclamation.
- Other requirements:
  - Activities associated with the implementation of an adopted GSP; must also be listed the GSP.
  - Must contain a minimum of two multiple benefits and should meet benefits of multiple plannng documents (e.g. Stormwater Resource Plan (SWRP), Integrated Regional Water Management Plan (IRWMP), Draft Water Resiliency Portfolio, etc.)
  - Projects that include stormwater or dry weather runoff capture must be included in a SWRP

WOODARD &CURRAN

Preliminary Draft Grant Proposal Components

- Draft component list was discussed with Ad-hoc committee on October 19 and subsequent email communications
- Discussions are ongoing with DWR staff to confirm projects that will be eligible for funding

- Potential Components:
  - Grant administration
  - Monitoring network improvements
    - Dedicated monitoring wells
    - Piezometers
  - Weather station enhancements
  - Well meters
  - Water supply project implementation
    - Precipitation enhancement
    - Flood/stormwater capture

WOODARD &CURRAN

Next Steps

- Make adjustments per input received from CBGSA Board at Nov 4 Board Meeting
- Review final PSP when released and follow up with DWR if necessary
- **Requesting direction from Board for staff to:**
  - Work with Ad-hoc committee to develop final proposal component list, including project descriptions and cost estimates
  - Develop draft proposal for Ad-hoc committee review, then submit final proposal to DWR

WOODARD &CURRAN

TO: Standing Advisory Committee
Agenda Item No. 6i

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on Indirect Economic Report

Issue
Update on the Indirect Economic Report

Recommended Motion
None – information only.

Discussion
An update on the Indirect Economic Report is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Update on Indirect Economic Analysis

October 29, 2020

WOODARD &CURRAN

Update on Indirect Economic Analysis

- ERA Economics has commenced an indirect and induced economic analysis of the Cuyama Basin
- Builds on direct economic analysis performed last year
- Economic analysis is funded by DWR Prop 68 grant
- Outreach to Basin businesses is currently ongoing
- Analysis will be completed by Dec 2020, with results presented at January Board meeting

WOODARD &CURRAN

TO: Standing Advisory Committee
Agenda Item No. 6j

FROM: Brian Van Lienden, Woodard & Curran

DATE: October 29, 2020

SUBJECT: Update on 2020 Annual Report

Issue
Update on the 2020 Annual Report.

Recommended Motion
None – information only.

Discussion
An update on the 2020 annual report is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

Update on 2020 Annual Report

October 29, 2020

WOODARD &CURRAN

Annual Report Timeline

- DWR's GSP Emergency Regulations require that an Annual Report be submitted each year by April 1; Annual Report for 2020 due on April 1, 2021
- Work to complete the Cuyama Basin Annual Report was authorized under Woodard & Curran's FY 2020-21 task order
- The Annual Report will be completed and submitted to the CBGSA Board for approval at its March 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) Current, historical, and projected conditions of the Basin will be updated, including:
      1. Updated groundwater elevation contour maps and hydrographs
      2. Estimated changes in groundwater storage

Annual Report Components

4. Water Supply and Use
   a) Includes descriptions and values of water budget components, including groundwater extraction, surface water flows and total water use for the preceding year (2020)
5. Plan Implementation Status
   a) Includes a description of the progress towards implementation of the GSP, including progress toward achieving interim milestones and towards implementation of GSP projects

WOODARD &CURRAN

TO: Standing Advisory Committee
Agenda Item No. 7b

FROM: Jim Beck, Executive Director

DATE: October 29, 2020

SUBJECT: Board of Directors Agenda Review

Issue
Review of the November 4, 2020 Cuyama Basin Groundwater Sustainability Agency Board of Directors meeting agenda.

Recommended Motion
None – information only.

Discussion
The November 4, 2020 Cuyama Basin Groundwater Sustainability Agency Board of Directors meeting agenda is provided as Attachment 1 for review.

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
Tom Bracken Cuyama Basin Water District

AGENDA

NOVEMBER 4, 2020

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, November 4, 2020 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, November 3, 2020 to assist in facilitating this remote meeting, but may still be provided at the meeting.

	1.	Call to Order (Yurosek) (1 min)
	2.	Roll Call (Blakslee) (1 min)
	3.	Pledge of Allegiance (Yurosek) (1 min)
	4.	Closed Session (30 min) Government Code, §54956.9(d)(4) Potential Litigation: 3 Cases
	5.	Approval of Minutes (Yurosek) (3 min)
MOTION		a. August 13, 2020 – Special Board Meeting
Verbal	6.	Standing Advisory Committee Meeting Report (Kelly) (3 min)
	7.	Groundwater Sustainability Plan
Memo		a. Discussion of Options to Study Data Gaps (Van Lienden) (20 min)
Memo		b. Update on Model Refinement Plan (Van Lienden/Beck) (10 min)
MOTION		c. Direction on Requiring Meters for Extractors in the Cuyama Basin (Beck) (10 min)
Memo		d. Update on Monitoring Network Implementation (Van Lienden) (10 min)
Memo		e. Update on Groundwater Levels Monitoring Network (Van Lienden) (15 min)

MOTION f. Approval of Groundwater Quality Monitoring Network Consultant (Blakslee) (5 min)

Memo g. Update on Groundwater Dependent Ecosystems Monitoring Plan (Van Lienden) (5 min)

Memo h. Direction on Prop 68 Implementation Grant Opportunity (Van Lienden) (5 min)

Memo i. Update on Indirect Economic Report (Van Lienden) (5 min)

Memo j. Update on 2020 Annual Report (Van Lienden) (5 min)

Memo k. Update on Management Area Delegation (Beck) (5 min)

8. Groundwater Sustainability Agency

Verbal a. Report of the Executive Director (Beck) (3 min)

Memo b. Progress & Next Steps (Beck) (3 min)

Verbal c. Report of the General Counsel (Hughes) (2 min)

Memo d. Update on Administration of FY 20-21 Groundwater Extraction Fee (Beck) (15 min)

Memo e. Update on Strategy for Potential Non-Reporting Water Users (Beck) (15 min)

MOTION f. Adopt the 2021 Meeting Schedule (Blakslee) (3 min)

Memo g. Update on Newsletter (Currie) (5 min)

9. Financial Report

Memo a. Report on the FY 2019-20 Audit (Blakslee) (5 min)

Memo b. Update on Participant Contribution Refunds (Blakslee) (5 min)

Memo c. Financial Management Overview (Blakslee/Beck) (3 min)

Memo d. Financial Report (Blakslee) (3 min)

MOTION e. Payment of Bills (Blakslee) (3 min)

10. Report of the Ad Hoc Committee (3 min)

11. Directors' Forum (3 min)

12. Public comment for items not on the Agenda (5 min)

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

13. Correspondence (3 min)

a. Standing Advisory Committee Resignation Letter from Mike Post

14. Adjourn (7:33 p.m.)

TO: Standing Advisory Committee
Agenda Item No. 7d

FROM: Taylor Blakslee, Hallmark Group

DATE: October 29, 2020

SUBJECT: Set the Annual Meeting Schedule

Issue

Setting the 2021 Cuyama Basin Groundwater Sustainability Agency Board of Directors and Standing Advisory Committee meetings schedule.

Recommended Motion

Set the 2021 Groundwater Sustainability Agency Board of Directors and Standing Advisory Committee meetings schedule provided in Agenda Item No. 7d.

Discussion

The proposed Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board of Directors and Standing Advisory Committee (SAC) meeting calendar for 2021 is provided as Attachment 1 for consideration of approval.

Cuyama Basin Groundwater Sustainability Agency
Draft 2021 Meeting Calendar

BOD SAC Holiday

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

TO: Standing Advisory Committee
Agenda Item No. 7e

FROM: Mary Currie, Catalyst

DATE: October 29, 2020

SUBJECT: Update on Newsletter

Issue
Update on the newsletter.

Recommended Motion
None – information only.

Discussion
Provided as Attachment 1 is an update on the planning for the next newsletter.

Cuyama Basin Groundwater Sustainability Agency

Update on Newsletter

October 29, 2020

Newsletter – Edition No. 7

- The 7th edition newsletter is being developed and will be distributed mid-November.
- Topics include:
  - Groundwater extraction fees
  - Updates on monitoring networks
  - Refinements to the model
  - Delegation of management area measures
  - Prop 68 funding opportunity
  - Update on the indirect economic report

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(818) 371-5659 mikepost49@aol.com

October 15, 2020

Cuyama Basin Groundwater Sustainability Agency
Standing Advisory Committee
c/o HCGPM

Electronically Transmitted

Dear Committee and Board Members,

It is with no lack of pride and sense of accomplishment that I end my association with the Standing advisory Committee (SAC) effective December 31, 2020. The reasons for my departure are varied but mostly personal. I will also be resigning from my volunteer position as the Executive Director of the Chimineas Ranch Foundation, a basin user, at the same time and accepting a position on their Advisory Board. You may wish to appoint another representative for San Luis Obispo County, but I am hard pressed to even suggest who that might be given the scarcity of SLO County users and residents within the basin boundary.

My time with the SAC has been rewarding and educational. I have learned more about ground water, agricultural practices and irrigation then I ever envisioned. I thank my peers on the SAC, the Agency members, Cuyama Valley residents and the consultants for that opportunity and their patience in bringing people like myself up to speed on ground water issues and related science.

I also want to take this opportunity to make some observations about the SAC and the GSA process. Since the earliest formation of the Cuyama SAC there has been a pervasive misperception of the role intended by the State for such committees by some of the SAC members. This included a desire to function as some kind of “watch dog” or ombudsman to control the imagined excesses of the GSA. I understand that concern (not the need), but it was never in the legislative intent nor to my knowledge did anyone on the GSA or HCGPM ever suggest it or condone it. This negative attitude, I hesitate to call it mistrust, exists to this day and to some extent impedes the effectiveness of the SAC and at times colors the SAC input to the GSA and is even reflected in other stakeholder public comments.

Further, I believe the value and functionality of the SAC was most critical during the initial fact-finding phase and the initial final report drafting phase. Now that

that activity is over, there is reduced value to continuing SAC operations on a regular basis until the five-year review process begins absent some emergency development within the basin. Basin rate payers should not be subject to additional fees to support the SAC meeting process in a time period when agricultural use of water will begin to be severely curtailed and the unavoidable negative economic impacts on the Cuyama Valley are beginning to be felt. The SAC does have a significant legitimate role to play at critical times in the further review and amendment of the GSA management plan. Those times are ahead of you.

Thank you again for the opportunity to serve both the Cuyama Valley and the people who will eventually see a better life from our collective efforts. I wish you all success in this ongoing process.

Mike Post