



# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY BOARD OF DIRECTORS

## Board of Directors

**Derek Yurosek** Chairperson, Cuyama Basin Water District  
**Lynn Compton** Vice Chairperson, 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

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## AGENDA

March 4, 2020

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, March 4, 2020 at 4:00 PM at the Cuyama Valley Family Resource Center, 4689 CA-166, New Cuyama, CA 93254. To hear the session live call (888) 222-0475, code: 6375195#.

### Teleconference Locations:

Cuyama Valley Family Resource Center  
 4689 CA-166  
 New Cuyama, CA 93254

County Government Center  
 1055 Monterey Street, Room D361  
 San Luis Obispo, CA 93408

The order in which agenda items are discussed may be changed to accommodate scheduling or other needs of the Board or Committee, the public, or meeting participants. Members of the public are encouraged to arrive at the commencement of the meeting to ensure that they are present for discussion of all items in which they are interested.

*In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, to participate in this meeting, please contact Taylor Blakslee at (661) 477-3385 by 4:00 p.m. on the Friday prior to this meeting. Agenda backup information and any public records provided to the Board after the posting of the agenda for this meeting will be available for public review at 4689 CA-166, New Cuyama, CA 93254. The Cuyama Basin Groundwater Sustainability Agency reserves the right to limit each speaker to three (3) minutes per subject or topic.*

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Election of Officers
5. Appointment of SAC Members
6. Approval of Minutes
  - a. December 4, 2019 – Joint Special Board Meeting
7. Report of the Standing Advisory Committee
8. Groundwater Sustainability Plan

- a. Approval of Annual Report
  - b. Update on Groundwater Extraction Fee
  - c. Direction on Monitoring Network
    - i. Review of 40 Well Locations for Current Task Order
    - ii. Approach for Monitoring in FY 20-21
  - d. Direction on DWR TSS Well Location
  - e. Update on Prop 68 Application
  - f. Update on Newsletter
9. Groundwater Sustainability Agency
- a. Report of the Executive Director
  - b. Progress & Next Steps
  - c. Report of the General Counsel
10. Financial Report
- a. Adopt Audit
  - b. Update on FY 20-21 Budget Process
  - c. Update on Funding Mechanism for 2021
  - d. Financial Management Overview
  - e. CBGSA Voluntary Contribution Reimbursement Update
  - f. Financial Report
  - g. Payment of Bills
11. Reports of the Ad Hoc Committees
12. Directors' Forum
13. Public comment for items not on the Agenda
- 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. Persons wishing to address the Board should fill out a comment card and submit it to the Board Chair prior to the meeting.*
14. Correspondence
15. Adjourn

# Joint Meeting of Cuyama Basin Groundwater Sustainability Agency Special Board of Directors and Standing Advisory Committee

December 4, 2019

## Draft Meeting Minutes

New Cuyama High School Cafeteria, 4500 CA-166, New Cuyama, CA 93254

### PRESENT:

#### Board of Directors:

Yurosek, Derek – Chair  
Compton, Lynn – Vice Chair (*Teleconference*)  
Albano, Byron  
Anselm, Arne – *Alternate for Glenn Shephard*  
Bantilan, Cory  
Bracken, Tom  
Cappello, George  
Chounet, Paul (*Teleconference*)  
Elliott, Darcel – *Alternate for Das Williams*  
Wooster, Jane  
Beck, Jim – Executive Director  
Hughes, Joe – Legal Counsel

#### Standing Advisory Committee:

Jaffe, Roberta – Chair  
Kelly, Brenton – Vice Chair  
DeBranch, Brad  
Draucker, Louise  
Post, Mike (*Teleconference*)

### ABSENT:

#### Board of Directors:

Scrivner, Zack

#### Standing Advisory Committee:

Furstenfeld, Jake  
Haslett, Joe  
Valenzuela, Hilda Leticia  
Valenzuela, Jose

#### 1. Call to order

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Chair Derek Yurosek called the meeting to order at 3:00 p.m.

#### 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 and SAC.

#### 3. Pledge of Allegiance

The pledge of allegiance was led by Chair Yurosek.

#### 4. Approval of Minutes

**a. November 6, 2019 (Regular Board Meeting)**

Chair Yurosek opened the floor for comments on the November 6, 2019 CBGSA Board meeting minutes.

**MOTION**

Director Wooster made a motion to adopt the November 6, 2019 CBGSA Board meeting minutes. The motion was seconded by Director Bantilan.

AYES: Directors Albano, Bantilan, Bracken, Cappello, Chounet, Compton, Shephard, Williams, Wooster, and Yurosek

NOES: None

ABSTAIN: None

ABSENT: Scrivner

**b. November 6, 2019 (Regular Standing Advisory Committee Meeting)**

Chair Yurosek opened the floor for comments on the November 6, 2019 CBGSA Standing Advisory Committee (SAC) meeting minutes.

**MOTION**

Director Kelly made a motion to adopt the November 6, 2019 CBGSA Standing Advisory Committee meeting minutes. The motion was seconded by Director Draucker.

AYES: Committee Members DeBranch, Draucker, Jaffe, Kelly, Post

NOES: None

ABSTAIN: None

ABSENT: Committee Members Furstenfeld, Haslett, Hilda Leticia Valenzuela, Jose Valenzuela

**5. Groundwater Sustainability Plan**

CBGSA technical consultant Mr. Van Lienden, Project Manager with Woodard & Curran, provided an update on Groundwater Sustainability Plan (GSP) activities including the schedule and November 2019 accomplishments, which is included in the Board packet.

Mr. Van Lienden reported that W&C internally discussed the Spanish Ranch bridge location as a potential location for the stream gauge location, but determined it was an inadequate location. Several audience members asked if the proposed location #3 would differentiate Cottonwood Canyon Creek flows and the Cuyama River. GSI staff (the sub consultant doing the field work) reported that location #3 would not differentiate flows between Cottonwood Canyon Creek Cuyama River.

**a. Economic Report Presentation**

ERA Economics Principal Economist Duncan MacEwan presented an overview of the direct economic report that was completed for the Cuyama Valley which is included in the Board packet.

Chair Yurosek asked ERA if the term “subbasin,” found throughout their presentation, actually referred to the entire Cuyama Basin and ERA staff confirmed this.



Director Albano asked where the applied water factor came from. He noted the 3.76 factor is significantly different than the 2.20 number used in the groundwater extraction forms. He also noted that the factor for wheat is a lot higher than he would anticipate for a precipitation-dependent crop. Mr. MacEwan said his point is well taken and they will investigate further with the firm that developed the crop factors. Director Bantilan agreed with Director Albano's points and commented it will be a lot easier to true-up to the numbers in the Groundwater Sustainability Plan (GSP) versus the other way around.

Chair Yurosek commented that the value of the proxy crops is well below the averages of what he believes are accurate. He said the data from USDA's site is subpar at best.

SAC Chair Jaffe said the applied water numbers need to be revised in the modeling going forward and the employment numbers need to be updated.

Cuyama stakeholder Sue Blackshear commented that it is very important to distinguish the difference between the people working in the basin and outside the basin.

Chair Yurosek asked how the math works on the value of additional water supply and Mr. MacEwan clarified that the report attempts to value, from an economic sense, the value of additional water supplies acquired and is not an indicator of the actual cost per acre-foot to grow crops. He said their analysis looks at taking the economic net return divided by the number of acre-feet need to get that.

Director Albano commented that he thought the impact to jobs and tax base reduction would have been part of a direct analysis. Director Bracken and Wooster agreed with this sentiment. Chair Yurosek said we have not discussed the devaluation of land and that impact on tax revenues.

Director Compton asked when the full report will be released, and Mr. MacEwan said it should be released in January 2020.

SAC Vice Chair Kelly commented that he believes a farmer can grow crops that do not require as much water and thinks less land needs to be idled.

Director Bantilan said that there is also a whole discussion that will need to happen in the future regarding convergence in the townsite as land use issues may cause re-zoning.

**b. Adopt the Final Groundwater Sustainability Plan for the CBGSA**

Mr. Van Lienden presented Resolution No. 19-03 adopting the GSP and allowing W&C to submit the GSP to the California Department of Water Resources by the mandatory January 31, 2020 deadline.

Mr. Van Lienden reported that there were two recommended changes from the public comment period to the GSP that include adding a sentence to chapter 8 that on July 10, 2019, the Board voted to use a groundwater extraction to fund for the first year and on November 6, 2019, the CBGSA held a public hearing and adopted a groundwater extraction fee for 2020. Lastly, he reported that the boundary for the management area had not been updated using the final model results and recommended approving the updated figure.

Legal counsel Joe Hughes clarified the motion on the resolution should be to include the two changes described above.

**MOTION**

Director Bantilan made a motion to adopt the November 6, 2019 CBGSA Board meeting minutes. The motion was seconded by Director Cappello and passed with an 82.22% vote.

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

**c. Update on the Annual Report Timeline and Components**

Mr. Van Lienden provided an update on the annual report and let the Board know it is due to DWR by April 1, 2020. Since the next Board meeting is not until March 2020, Director Yurosek said he will appoint an ad hoc to work with staff on the development of that report.

**d. Monitoring Network Staging**

Mr. Van Lienden reported that W&C is proposing to combine the FY 19-20 budgeted amounts for establishing (1) groundwater levels and (2) quality monitoring networks to focus solely on establishing the groundwater levels monitoring network which would total \$60,000.

Director Wooster asked what the measurement frequency was planned to be. Mr. Van Lienden reported that the GSP specifies monthly measurements, but the Board will need to consider the budget impacts moving forward.

Director Wooster asked if the CBGSA is taking over the Santa Barbara County Water Agency (SBCWA) monitoring network and SBCWA staff Matt Young announced that they will be turning over the monitoring network to the CBGSA as soon as it's ready and Matt Scrudato is willing to assist in that transition.

**e. Update on Department of Water Resources Technical Support Services**

Mr. Van Lienden presented the DWR TSS ad hoc recommendations for the three monitoring well sites for the DWR TSS application.

Mr. Beck let the Board know the DWR TSS ad hoc had met several times to determine the proposed locations of the monitoring wells for the DWR application; however, there were some recent requests to adjust the location for the well proposed in the central region.

The Board provided direction to move forward with the locations staffed suggested for the well sites.

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*Supervisor Compton left the meeting around 5:15 p.m.*  
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**f. Prop 68 Application Update**

Mr. Van Lienden provided an overview of the Prop 68 application that was submitted to the California Department of Water Resources in early November 2019. He let the Board know the submittal was for \$500,000 and the majority of the items in the application are for costs already expended or are budgeted in the Fiscal Year 2019-20 budget. The only un-budgeted item is for an indirect economic analysis that would be a supplementary report to the direct economic analysis.

**g. IRWM Grant Program Participation**

Mr. Blakslee let the Board know staff is looking into funding opportunities available by joining the regional Integrated Regional Water Management (IRWM) Program. He reported that there is a nominal fee to join (around \$600 per year) and allows the CBGSA to apply for grant funding. Mr. Beck let the Board know there would likely be additional staff costs of presenting projects to the IRWM group and this could incur significant up-front costs. He let the Board know we consider these costs during the next budget development period. Chair Yurosek was appreciative of staff's sensitivity to ancillary costs but thought it would be important for the Board to understand the value of the potential grant opportunity for projects in Cuyama. Staff will report back at the March 2020 Board meeting.

**6. Groundwater Sustainability Agency**

**a. Set the Annual Meeting Schedule**

Mr. Blakslee presented the annual meeting schedule for 2020. He reminded the Board that the Board agreed to a bimonthly Board and SAC cadence during the Fiscal Year 2019-20 budget development process and the draft schedule reflects that direction. He also noted that staff plans to use videoconferencing when possible for SAC meetings to reduce travel costs.

**MOTION**

A motion was made by Director Anselm and seconded by Director Cappello to set the annual meeting schedule for 2020. A roll call vote was made, and the motion passed with a 77.78% vote.

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

**b. Report of the Executive Director**

Mr. Beck reminded the Board that the bylaws require officer elections at the first meeting in the calendar year, which is March 4, 2020 according to the 2020 annual meeting schedule.

**c. Progress & Next Steps**

Mr. Blakslee provided an update on the near-term GSP schedule and accomplishments and next steps, which are summarized in the Board packet.

**d. Report of the General Counsel**

Legal counsel Joe Hughes had nothing to report.

**7. Financial Report**

**a. Hallmark Group Task Order**

Mr. Blakslee presented to the Board task order No. 5 which is for a five-month period (February through June 2020) and syncs the task order up with the fiscal year 2019-20 budget. He reported that this draft task order was reviewed with the Budget ad hoc (Directors Bantilan, Chounet, Bracken, Matt Young, Matt Klinchuch) on November 26, 2019 and totals \$82,228.00.

**MOTION**

A motion was made by Director Cappello and seconded by Director Bantilan to approve Hallmark Group’s Task Order No. 5. A roll call vote was made, and the motion passed with a 77.78% vote.

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

**b. Woodard & Curran Task Order**

Mr. Van Lienden presented the W&C task order No. 7 which is for a five-month period (February through June 2020) and syncs the task order up with the fiscal year 2019-20 budget. He reported that this draft task order was reviewed with the Budget ad hoc (Directors Bantilan, Chounet, Bracken, Matt Young, Matt Klinchuch) on November 26, 2019 and totals \$273,655.00.

**MOTION**

A motion was made by Director Albano and seconded by Director Anselm to approve Woodard & Curran’s Task Order No. 7. A roll call vote was made, and the motion passed with a 77.78% vote.

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

**c. Audit Update**

Mr. Blakslee reported that audit report was taking longer than expected but the auditor had a draft report they are currently reviewing, and staff would distribute this to the Board once received.

**d. Financial Management Overview**

Mr. Blakslee provided an overview of the CBGSA’s financial activities which is included in the Board packet.

**e. Financial Report**

Mr. Blakslee provided an overview of the October 2019 financial report and is included in the Board packet.

**f. Payment of Bills**

Mr. Blakslee reported on the payment of bills for the months of October 2019.

**MOTION**

A motion was made by Director Cappello and seconded by Director Albano to approve payment of the bills through the months of October 2019 in the amount of \$56,497.74 pending receipt of funds. A roll call vote was made, and the motion passed.

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

**8. Reports of the Ad Hoc Committees**

Nothing to report.

**9. Directors' Forum**

Nothing to report.

**10. Public comment for items not on the Agenda**

Director Albano read the following statement from local landowner Jim Menzies:

"I wish to enter into the records of the meeting my position to preserve my rights pertaining to the Fourth Amendment as well as those associated with "Due Process" as they relate to properties owned by The Menzies Trust in the Cuyama Valley."

**11. Correspondence**

None

**12. Adjourn**

Chair Yurosek adjourned the meeting at 5:50 p.m.

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Minutes approved by the Board of Directors of the Cuyama Basin Groundwater Sustainability Agency the 4th day of March 2020.

BOARD OF DIRECTORS OF THE  
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair: \_\_\_\_\_

ATTEST:

Secretary: \_\_\_\_\_

DRAFT



TO: Board of Directors  
Agenda Item No. 8

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 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

March 4, 2020

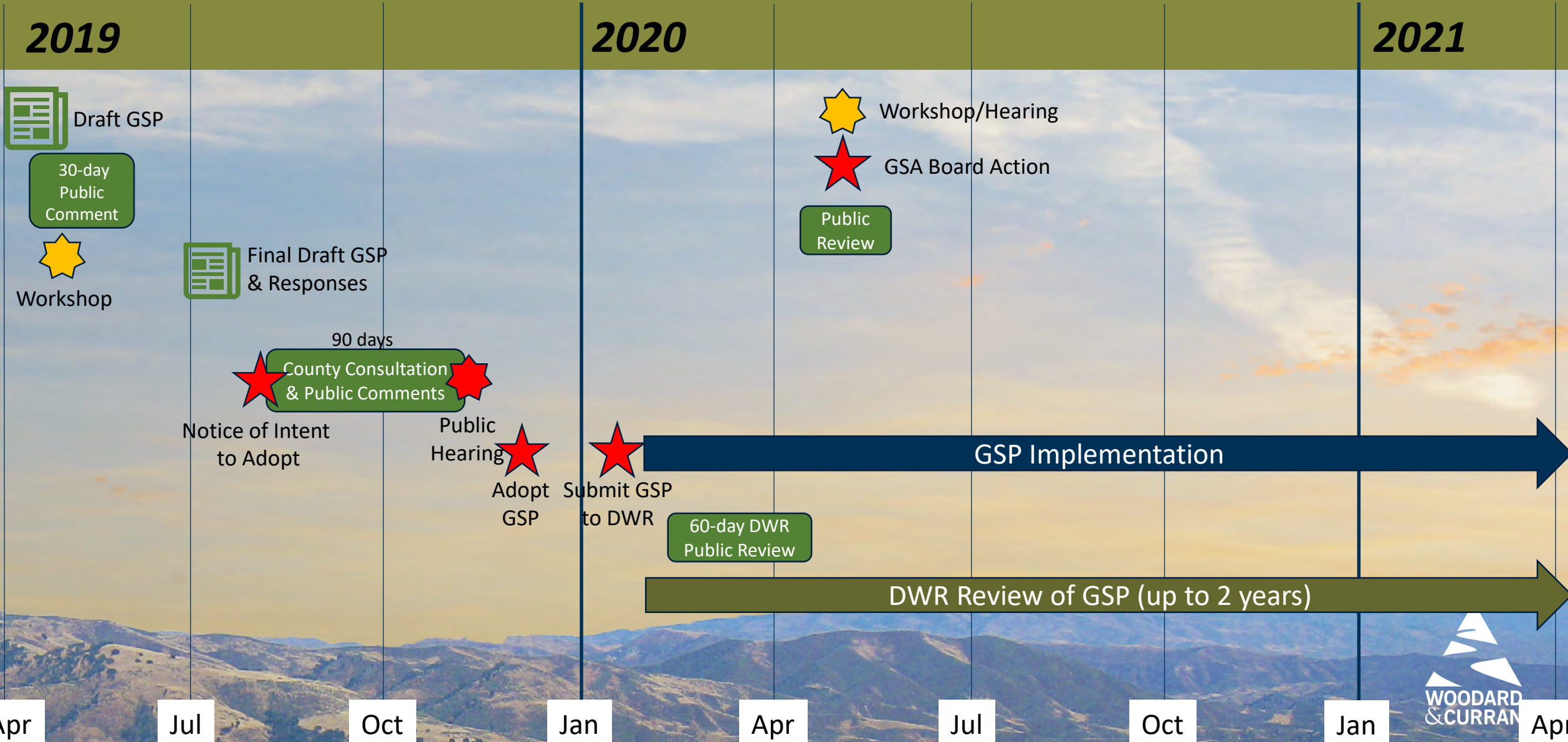




# Dec – Feb Accomplishments

- ✓ Developed final GSP report and submitted to DWR
- ✓ Developed draft GSP annual report
- ✓ Drafted DWR Technical Support Services site-specific applications
- ✓ Developed plan for first phase of monitoring network implementation
- ✓ Finalized economic analysis report
- ✓ Received notice from DWR of SGM grant award (Prop 68)

# Final GSP Public Review & Adoption Process





TO: Board of Directors  
Agenda Item No. 8a

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 2020

SUBJECT: Approval of Annual Report

**Issue**

Review of the annual report.

**Recommended Motion**

Approve the annual report as presented in agenda item No. 7a to the Board of Directors.

**Discussion**

The Sustainable Groundwater Management Act requires an annual report be completed and submitted to the California Department of Water Resources (DWR) on April 1 of each year.

Below is a timeline of the report's development:

- **December 4, 2019** – Chair Yurosek appointed an ad hoc to work with staff on the development and review of the annual report.
- **January 21, 2020** – Ad hoc met with staff to review the annual report outline and approach.
- **February 14, 2020** – Woodard & Curran distributed the draft report to the ad hoc for review.
- **February 18, 2020** – The ad hoc met with staff to review the draft report and provided comments.
- **February 25, 2020** – W&C finalized the report.

Attachment 1 is an update on the annual report components and timeline. Attachment 2 is the draft Annual Report for your consideration of approval.



# Cuyama Basin Groundwater Sustainability Agency

## Review Annual Report

March 4, 2020



# Annual Report Timeline

- DWR's GSP Emergency Regulations require that an Annual Report be submitted each year by April 1, 2020
- Milestones:
  - Feb 14: Draft Annual Report document provided to Ad-hoc committee for review
  - Feb 25: Revised Annual Report reflecting Ad-hoc committee comments provided to CBGSA Board for consideration
- Requesting approval of the Annual Report from the CBGSA Board at the March 4, 2020 Board meeting

# Annual Report Components

## 1. Executive Summary

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

## 2. Introduction

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

## 3. Updated Groundwater Conditions

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



# Annual Report Components

## 4. Estimated Water Use

- a) Includes estimates of groundwater extraction, surface water use and total water use for the preceding year (2019)

## 5. Change in Groundwater Storage

- 4. Includes water budget estimate and change in groundwater storage map for the preceding year (2019)

## 6. Plan Implementation Status

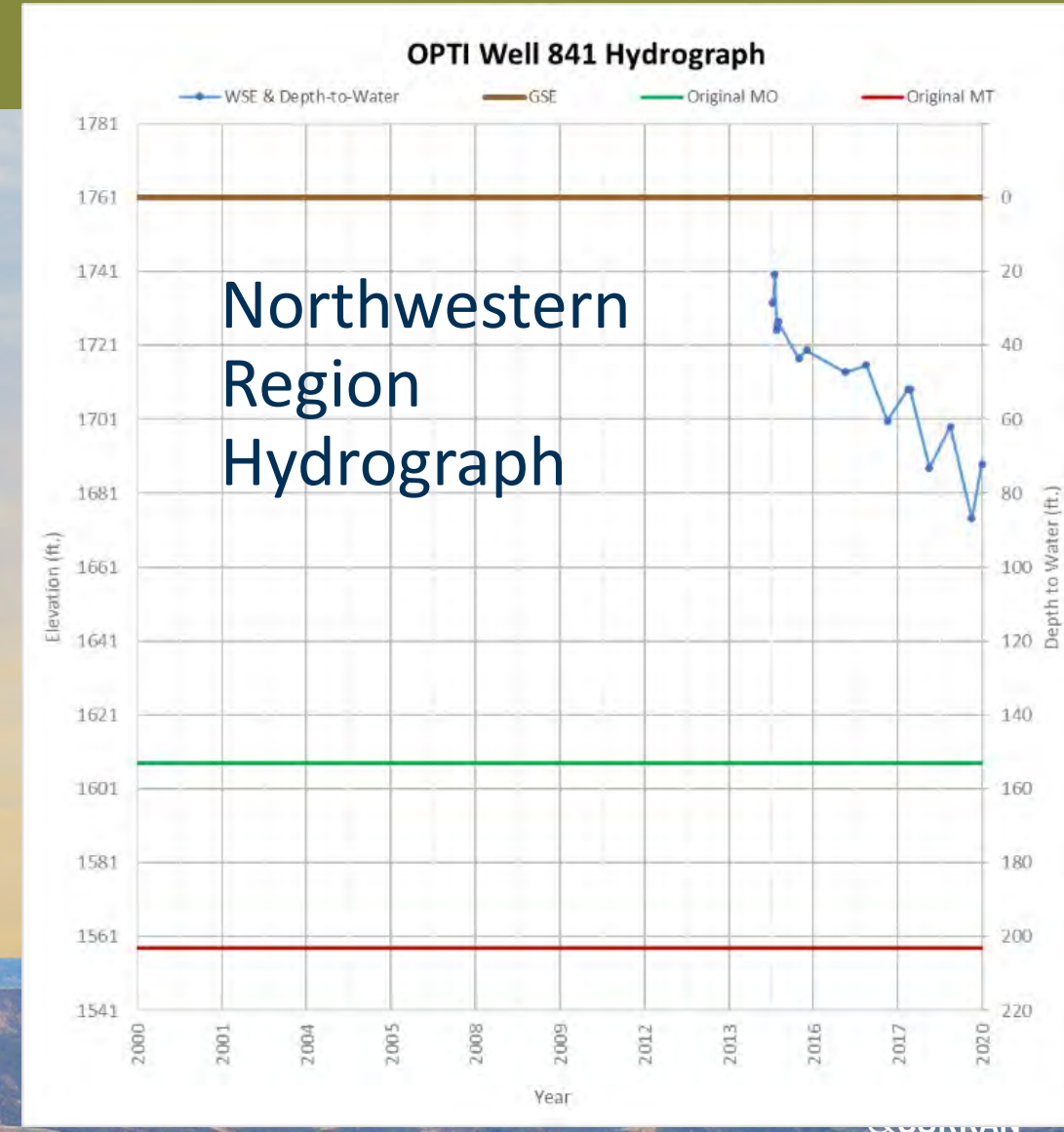
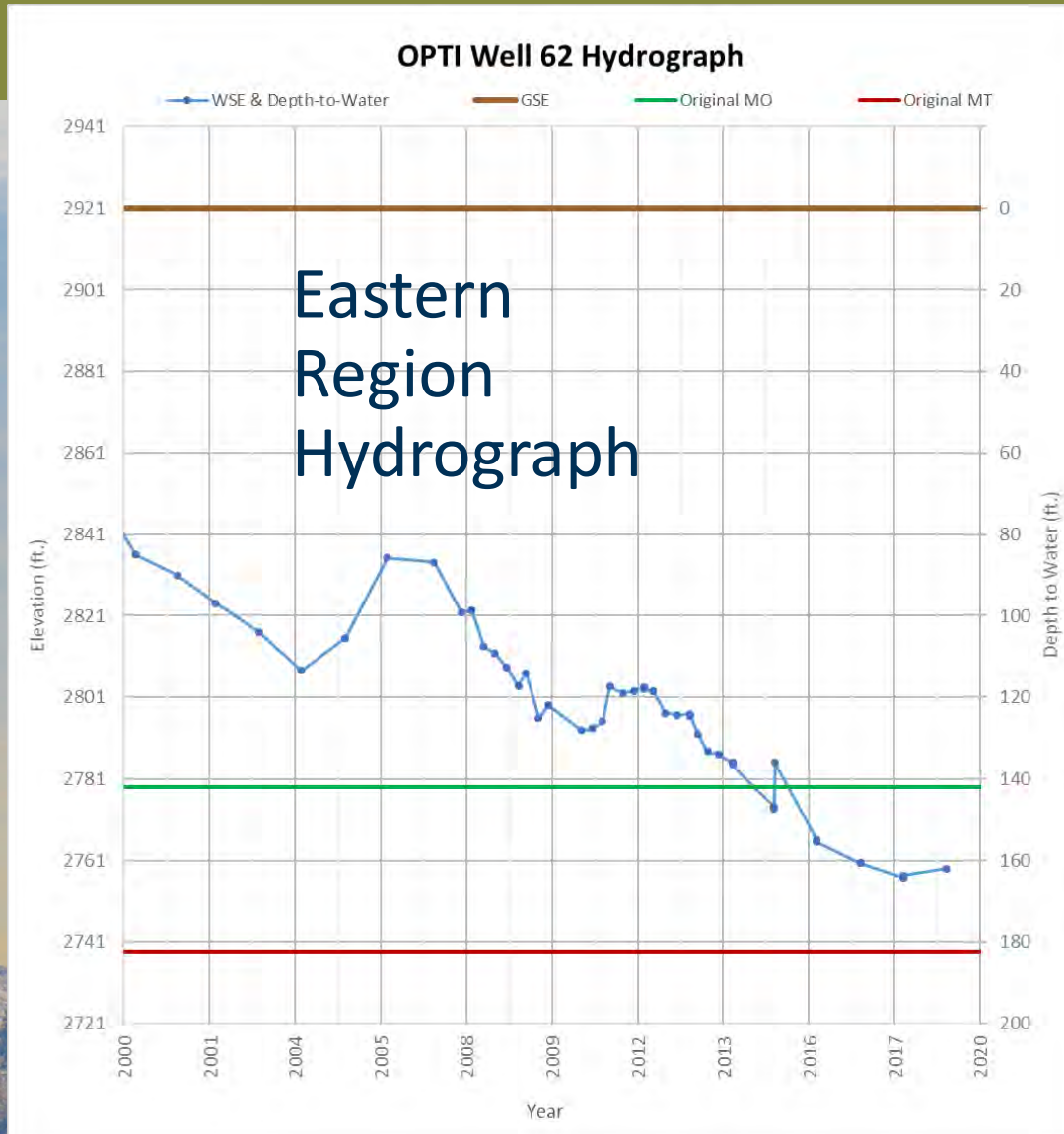
- a) Includes a description of the progress towards implementation of the GSP, including progress toward achieving interim milestones and implementation of GSP projects

# Data and Model Updates

- Groundwater elevations:
  - Available data collected for all wells in monitoring network through 2019
- Groundwater Model Update
  - Historical model period extended through 2019 (previously was simulated for 1998-2017)
    - No change will be made to the model calibration
  - Updated land use, precipitation and evapotranspiration data collected for 2018 and 2019
    - Updated land use data has been provided for 2018-19 period by Bolthouse and Grimmway. Other key landowners have confirmed no change since 2017.



# Updated Groundwater Conditions Figures

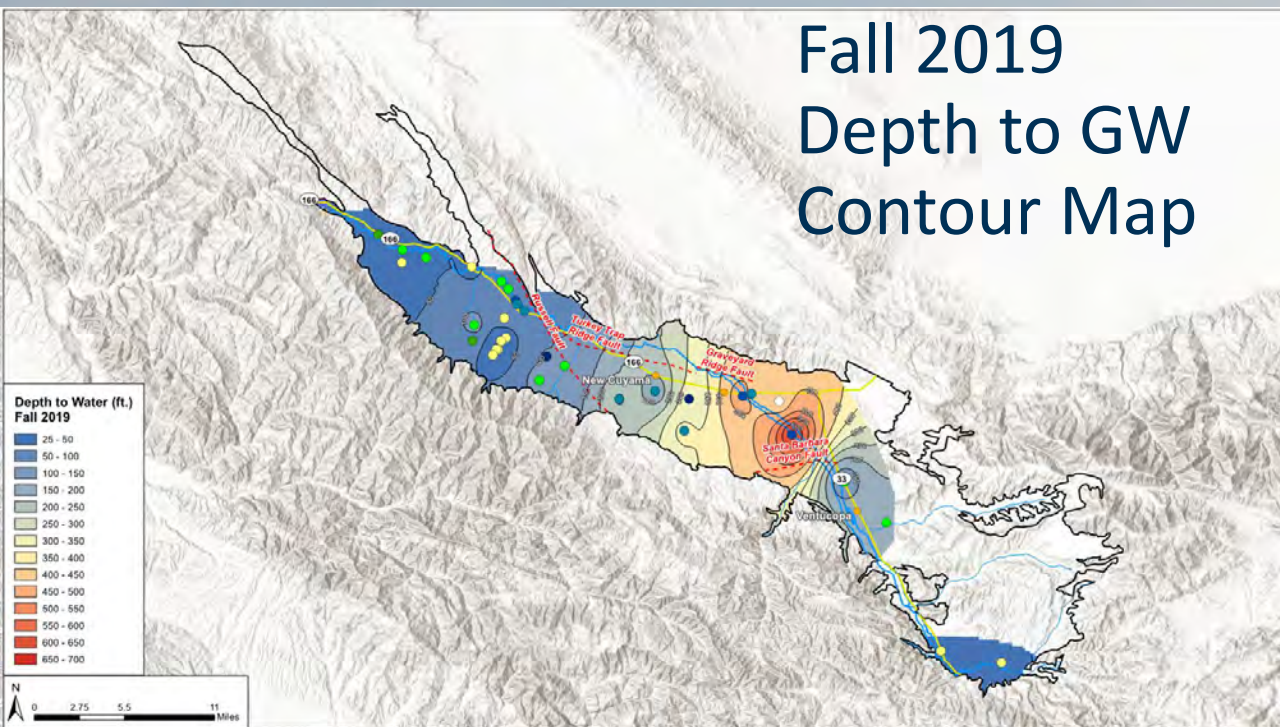




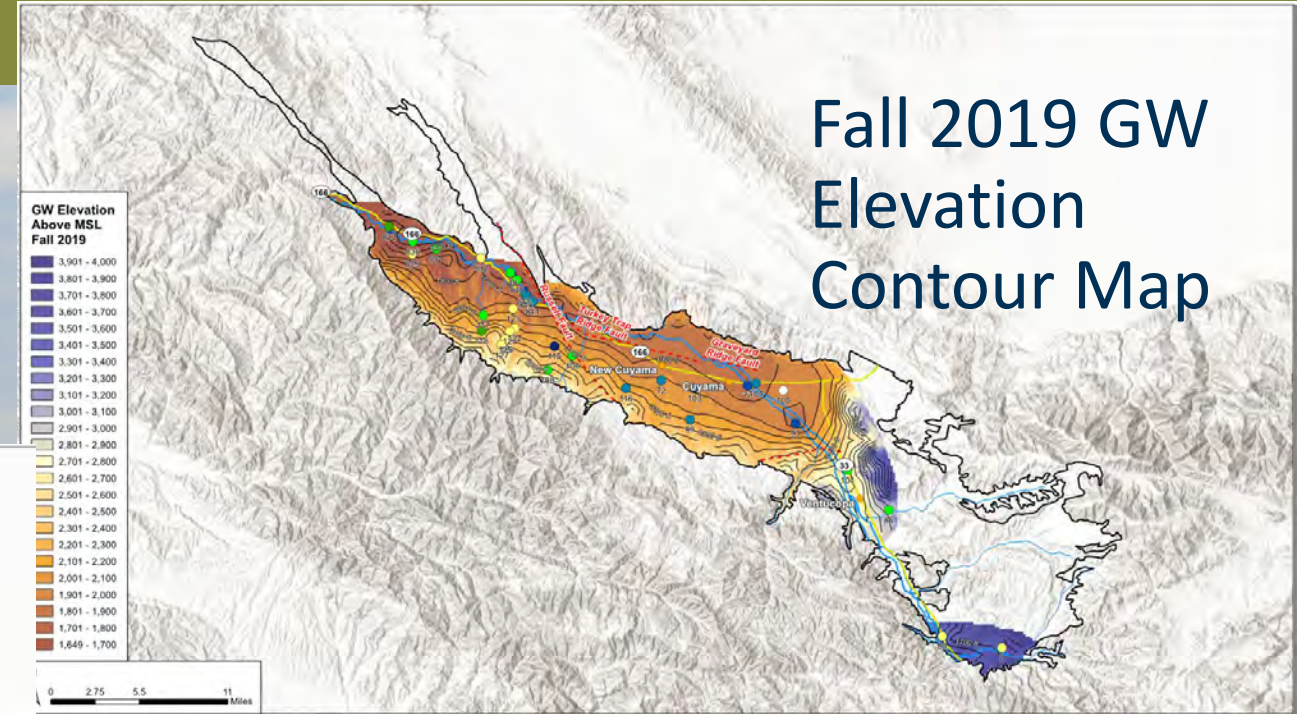
# Updated Groundwater Conditions Figures

Updated Contour Maps were created for 2018 and 2019 (Spring and Fall)

Fall 2019 Depth to GW Contour Map



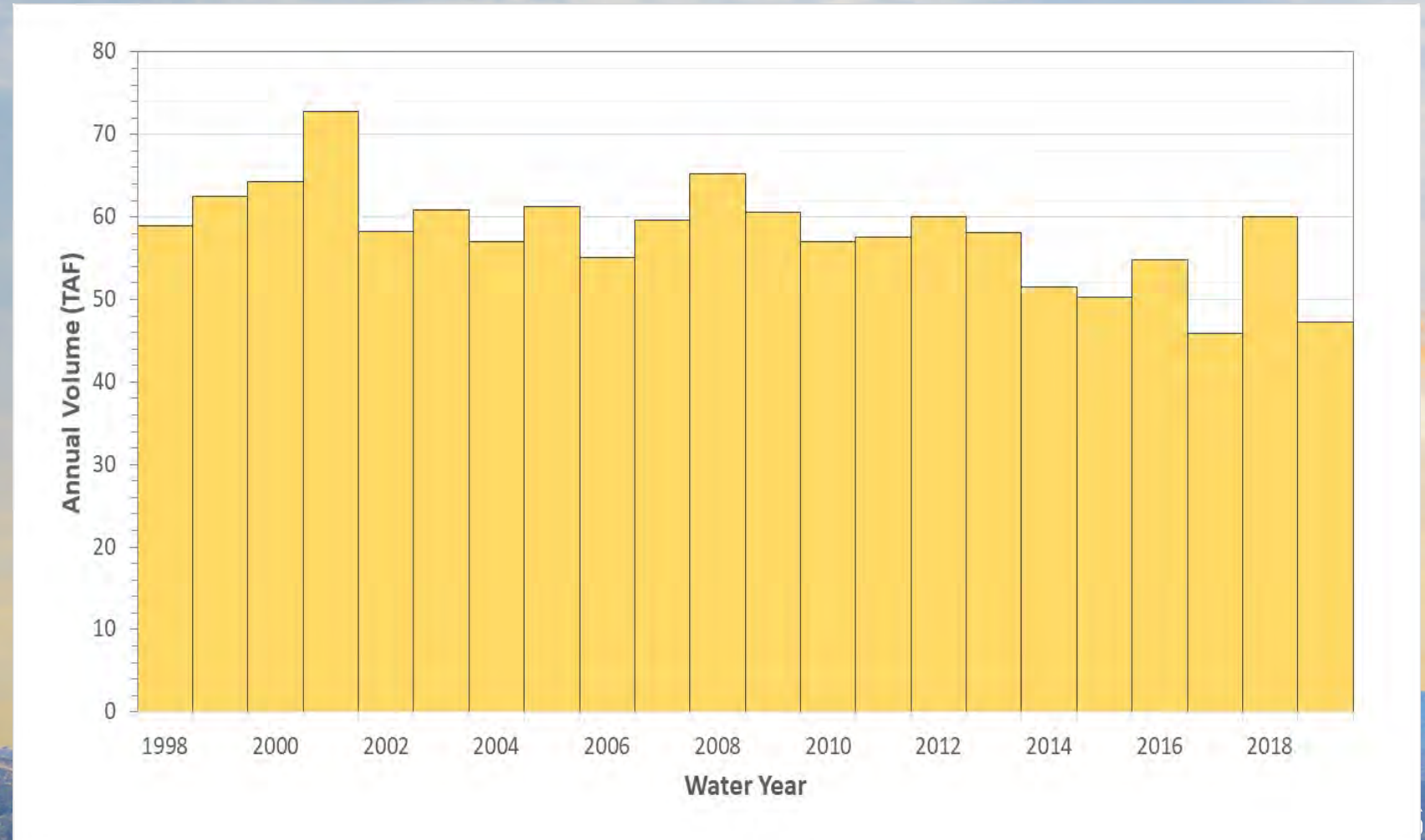
Fall 2019 GW Elevation Contour Map





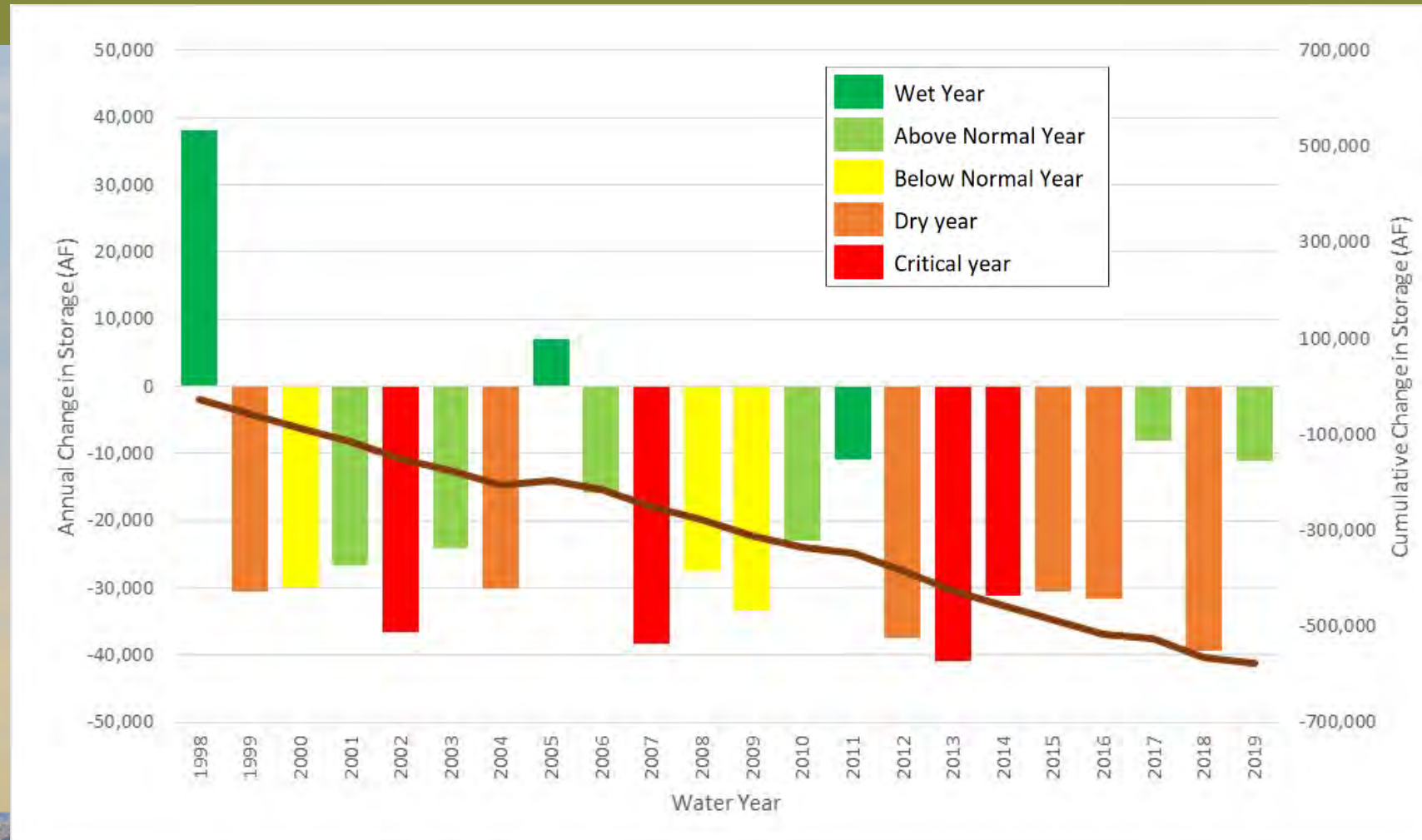
# Estimated Groundwater Extraction

- Figure has been updated to include 2018 and 2019
- Estimated groundwater extractions
  - 2018: 60,000 AF
  - 2019: 47,200 AF



# Change in Groundwater Storage

- Figure has been updated to include 2018 and 2019
- Estimated change in storage
  - 2018: -39,400 AF
  - 2019: -11,100 AF

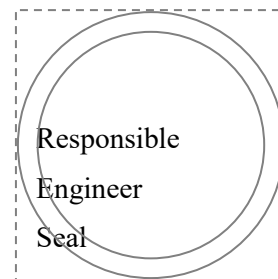


**DRAFT**



Cuyama Groundwater Sustainability Plan 2020 Annual Report  
Draft

Prepared by:



March 2020

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## **Appendices**

**Appendix A - Updated Hydrographs for Representative Wells**

**Appendix B - Basin-Wide Economic Analysis Report**

## **List of Abbreviations**

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



## Executive Summary

§356.2 (a)	General information, including an executive summary and a location map depicting the basin covered by the report.
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### ES-1 Introduction

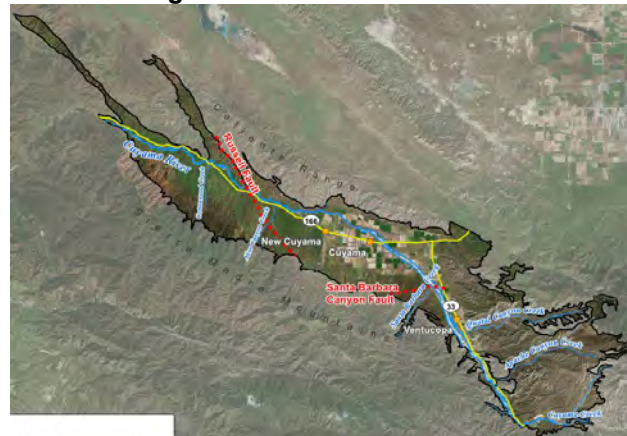
In 2014, the California legislature enacted the [Sustainable Groundwater Management Act \(SGMA\)](#) in response to continued overdraft of California’s groundwater resources. The Cuyama Groundwater Basin (Basin) is one of 21 basins and subbasins identified by the California Department of Water Resources (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, and the 2016 Interim Update. The Cuyama Groundwater Basin generally underlies the Cuyama Valley, as shown in Figure ES-1.

**Figure ES-1: GSP Plan Area**

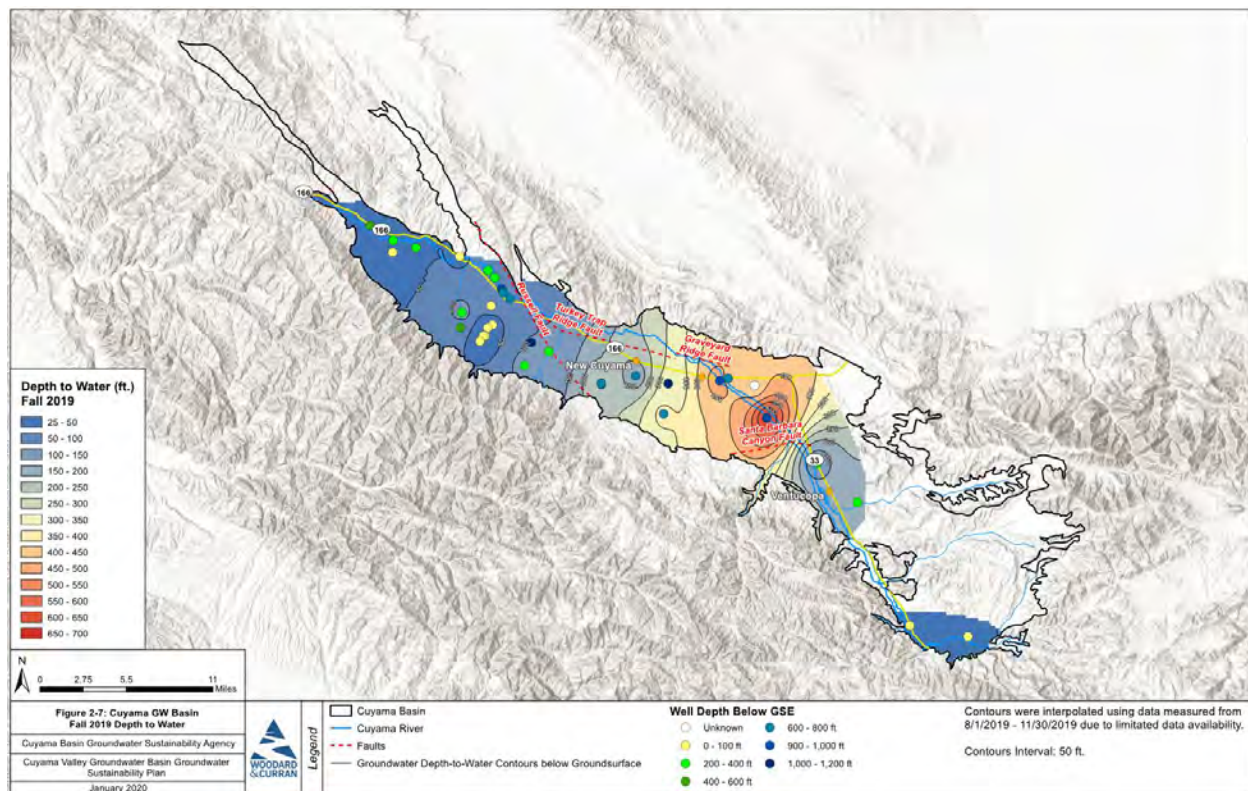


### ES-2 Groundwater Conditions

The annual report for 2019 includes groundwater contours for Fall of 2018 and Spring and Fall of 2019, 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



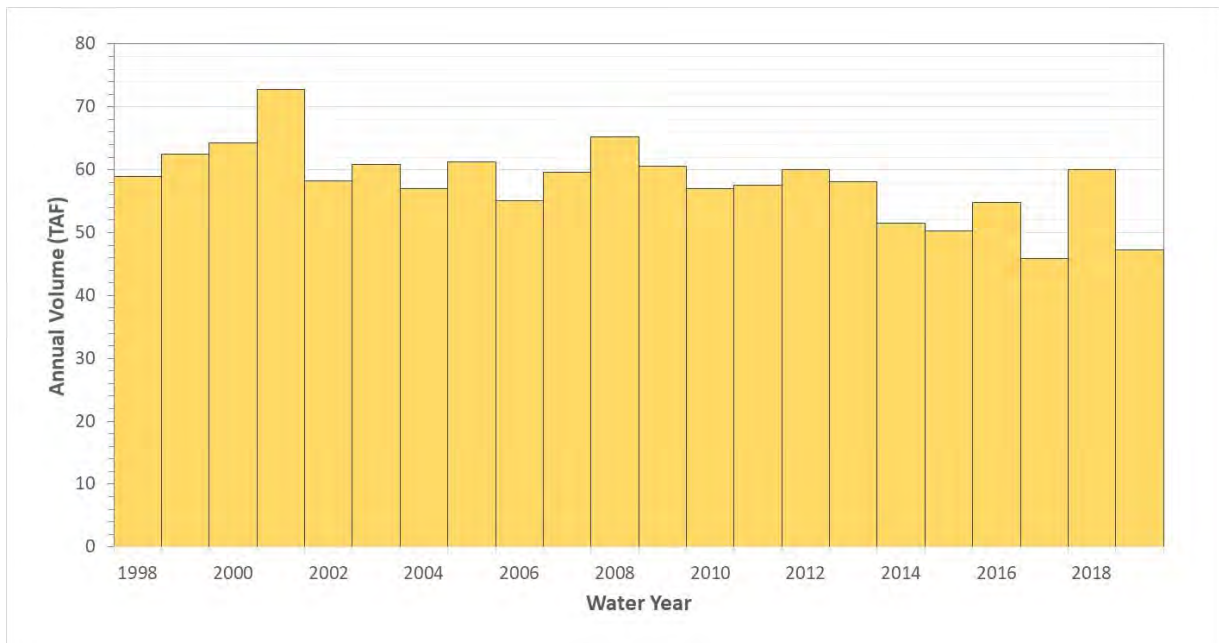
generally shallower depth to water. Generally, depth to water and groundwater elevation in 2019 have not changed substantially from 2018 levels and elevations.



**Figure ES-2: Cuyama Basin Depth to Water Contour Map (Fall 2019)**

## ES-3 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 60,000 AF in 2018 and about 47,000 AF in 2019. While the 2018 value is near the average of the long-term trend in groundwater pumping, estimated pumping in 2019 is among the lowest in the 22-year period since 1998. (See Figure ES-3).



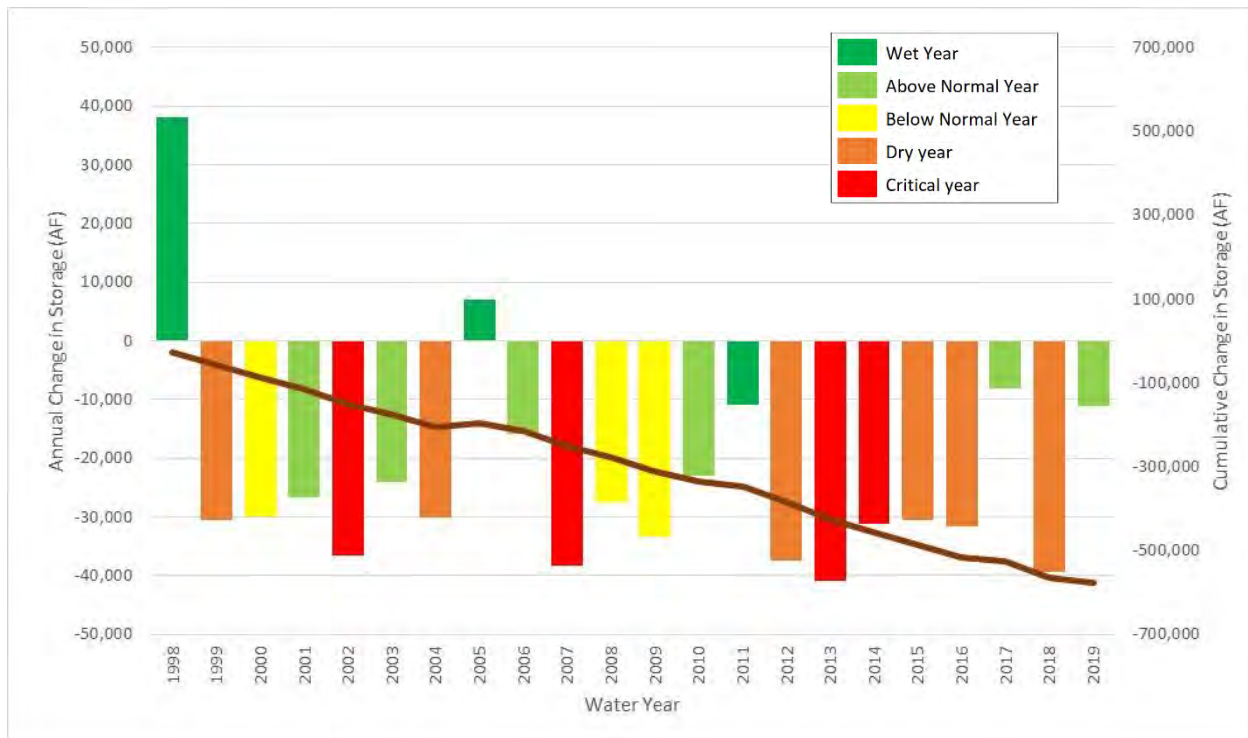
**Figure ES-3: Annual Groundwater Extraction in the Cuyama Basin in Water Years 1998-2019**

## ES-4 Change in Groundwater Storage

It is estimated that there were reductions in Basin groundwater storage of 39,400 AF in 2018 and 11,100 AF in 2019. 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,<sup>1</sup> and cumulative water volume in each year for the period from 1998 through 2019.

<sup>1</sup> 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.



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

## ES-5 Plan Implementation

The following plan implementation activities were accomplished in 2019:

- Approval of a groundwater extraction fee, which is expected to generate \$1,021,936 in revenue to cover the administrative costs of the CBGSA.
- A total of 21 public meetings were conducted at which GSP development and implementation was discussed.
- A Basin-wide, direct economic analysis of proposed GSP management actions was completed. The results of this analysis were presented to the GSP Board on December 4, 2019.
- The CBGSA Board approved a task to begin implementation of the groundwater levels monitoring network, which 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 3 new monitoring wells.

## 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 monthly. 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, 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/>.

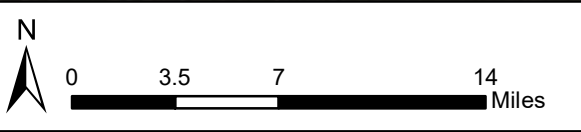
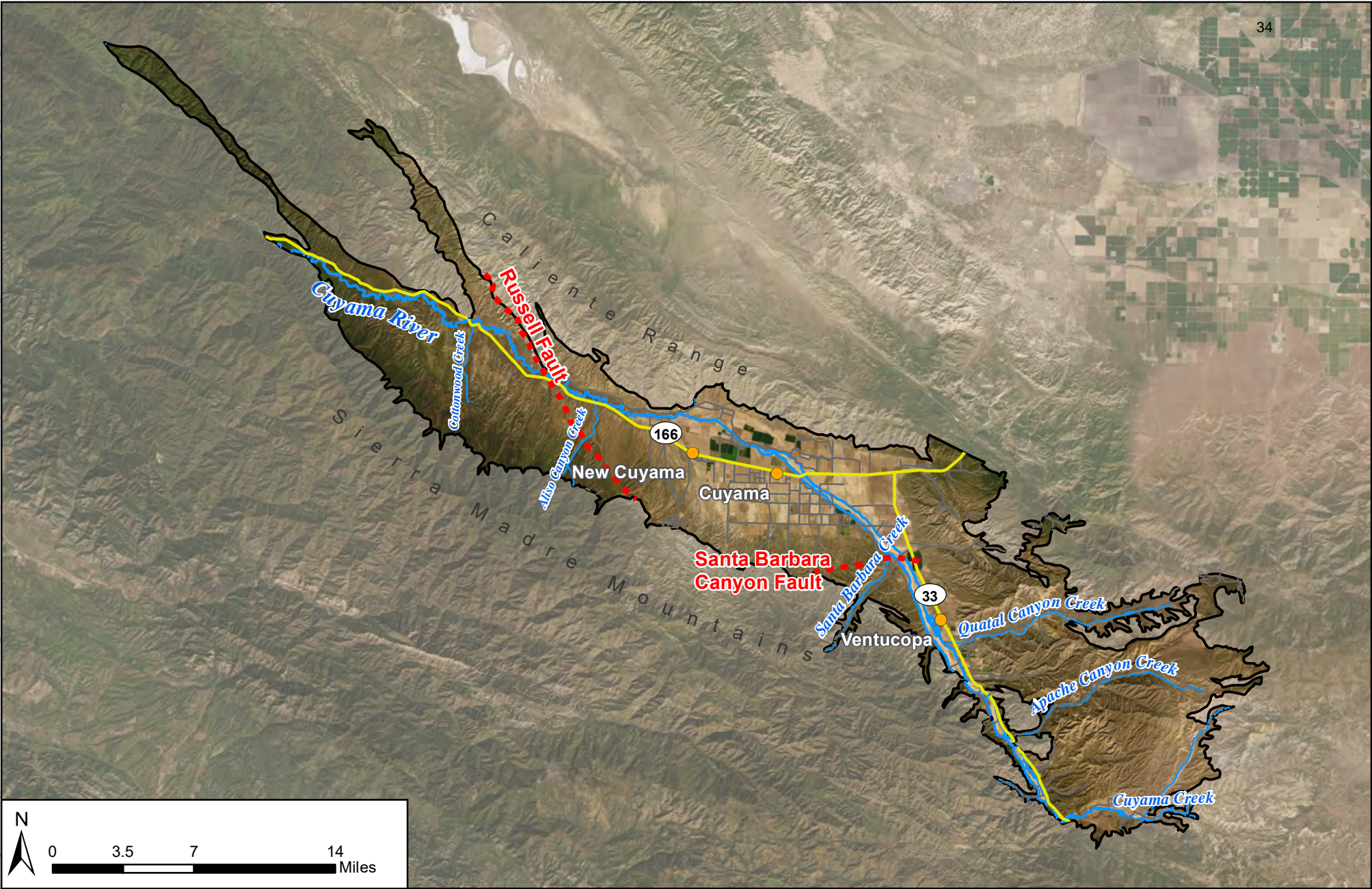
## **1.2 Plan Area**

Figure 1-1 shows the Basin and its key geographic features. The Basin encompasses an area of about 378 square miles<sup>2</sup> 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 towards 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.

<sup>2</sup> 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.



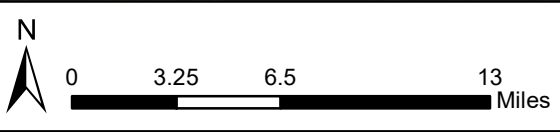
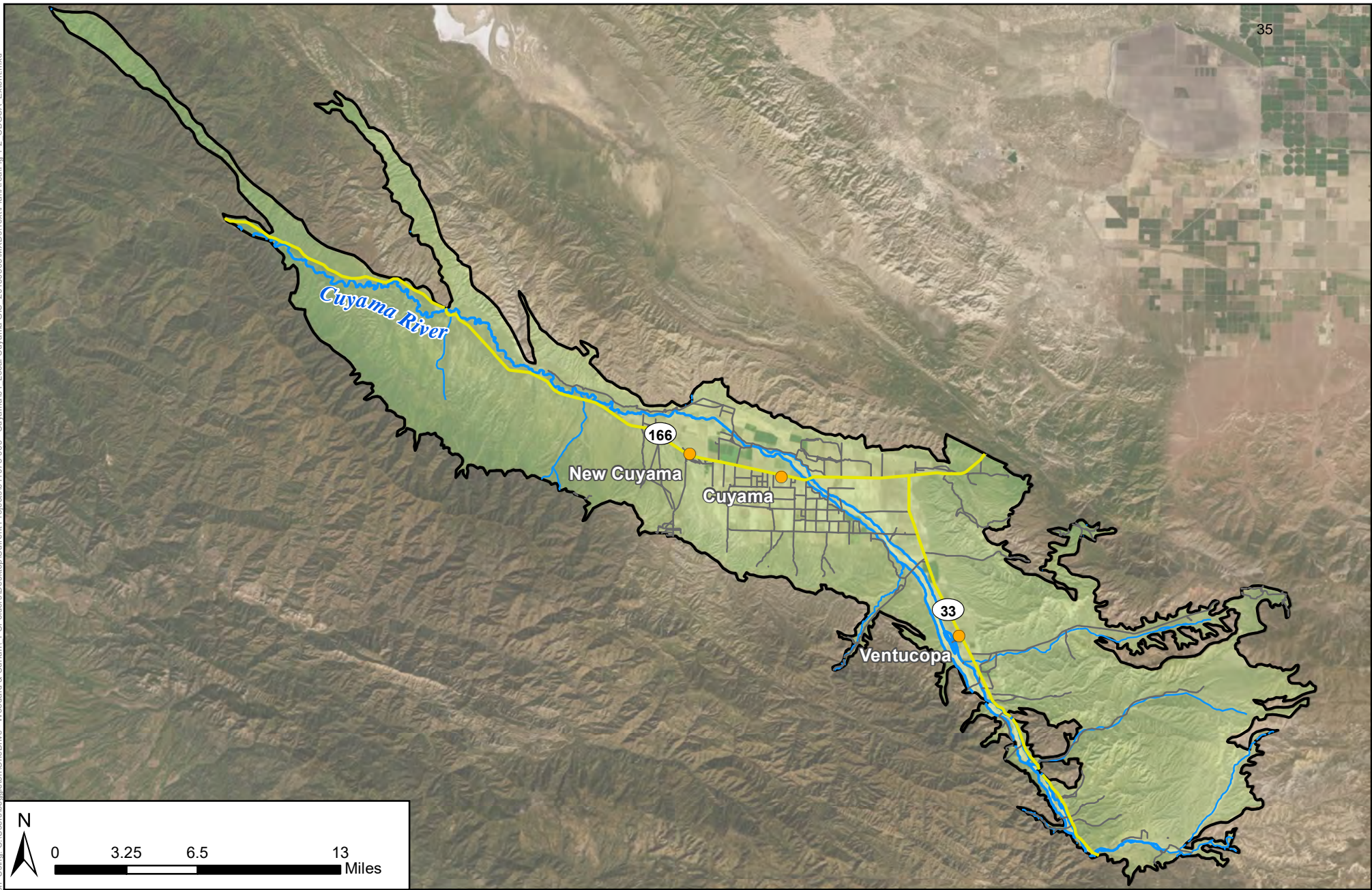


**Figure 1-1 - Cuyama Valley Groundwater Basin**  
 Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 February 2020



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





**Figure 1-2 - Cuyama Valley Groundwater Sustainability Agency Boundary**  
Cuyama Basin Groundwater Sustainability Agency  
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
January 2020



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 Representative Monitoring Network

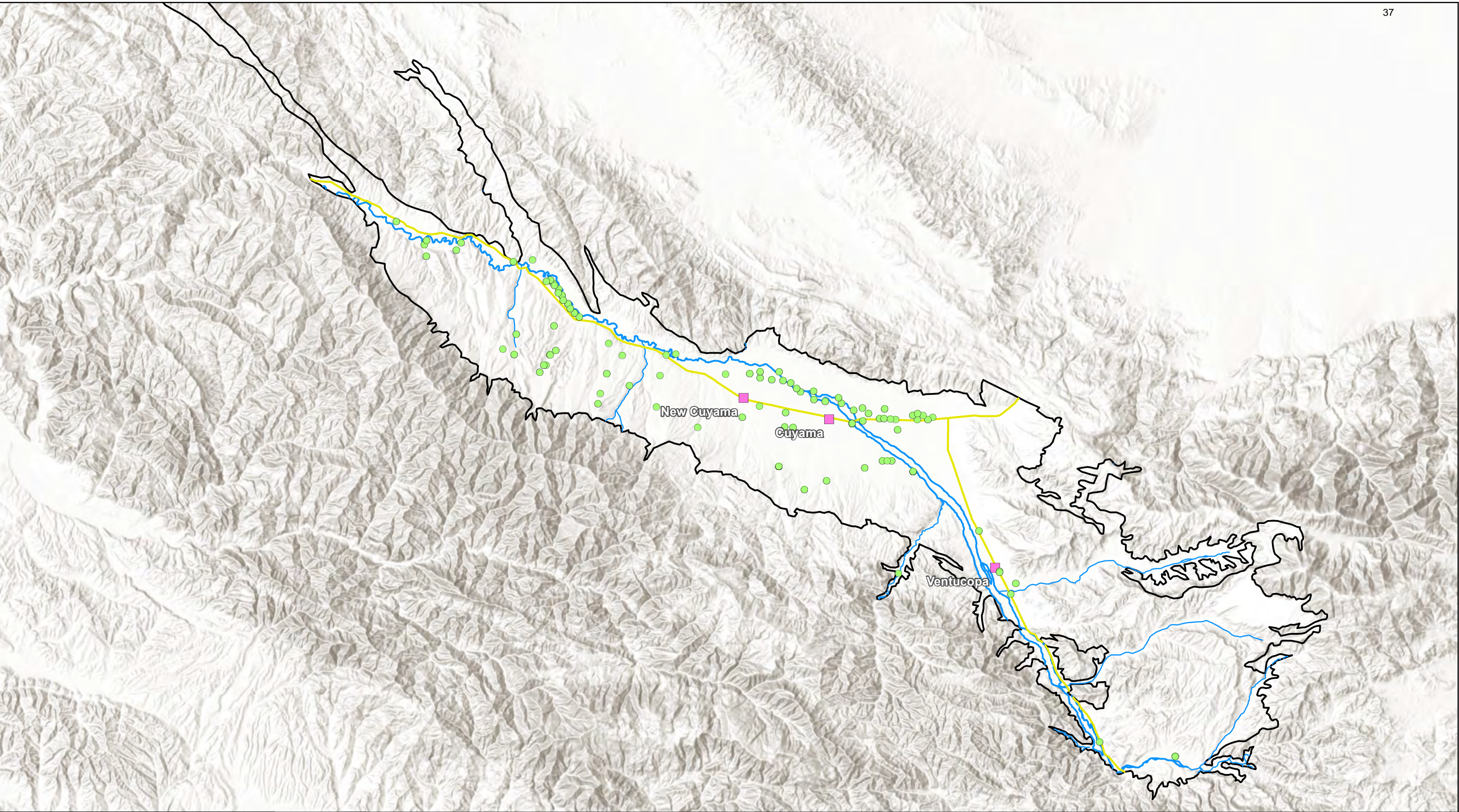
As required by DWR's SGMA regulations, a monitoring network and representative monitoring network were identified in the Cuyama Basin GSP utilizing existing wells. The groundwater levels representative monitoring network that was included in the GSP is shown on Figure 2-1. The Cuyama Basin consists of 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.



Figure\_Exported\_2/12/2020\_10:29:20 AM - Woodard & Curran - PCF\Projects\Current\Projects\011076-003 - Cuyama01 - Local\_Cuyama\_GIS - 20180803\MXD\Text\Annual\_Report\Fig\_2-1\_GW\_LevelStorageMonitoringNetworkWells.mxd



<p><b>Figure 2-1: Cuyama GW Basin Groundwater Level &amp; Storage Monitoring Network Wells</b></p> <p>Cuyama Basin Groundwater Sustainability Agency</p> <p>Cuyama Valley Groundwater Basin Groundwater Sustainability Plan</p> <p>January 2020</p>		<p><b>Legend</b></p>	<ul style="list-style-type: none"> <li> Cuyama Basin</li> <li> Towns</li> <li> Highways</li> <li> Cuyama River</li> <li> Streams</li> </ul>	<p><b>Monitoring Network Wells</b></p> <ul style="list-style-type: none"> <li> Monitoring Network Wells</li> </ul>	<div style="text-align: right;">   </div>
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## 2.2 Groundwater Contour Maps

The GSP included contour maps through the Spring of 2018. For the Annual Report, analysis was conducted to incorporate data from June 2018 to December 2019 that was received from the United States Geological Survey (USGS), DWR, private landowners, and local counties and agencies. 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 and hydrographs.

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 the following periods:

- Fall 2018
- Spring 2019
- Fall 2019

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 amount of measurements 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 2-2 shows groundwater elevation contours for fall of 2018. Data was collected from Santa Barbara County, Ventura County, DWR, USGS, and local landowners, however, data collected between August and November was limited and was not available for the south eastern portion of the Basin. However, available data shows a depression in the central portion of the Basin between Ventucopa and New Cuyama. Groundwater elevations then rise between Cuyama and New Cuyama, before decreasing again in a northwestern trend to the bottom of the Basin. Groundwater flows are to the northwest in the western portion of the basin, and towards the north east in the central portion of the basin

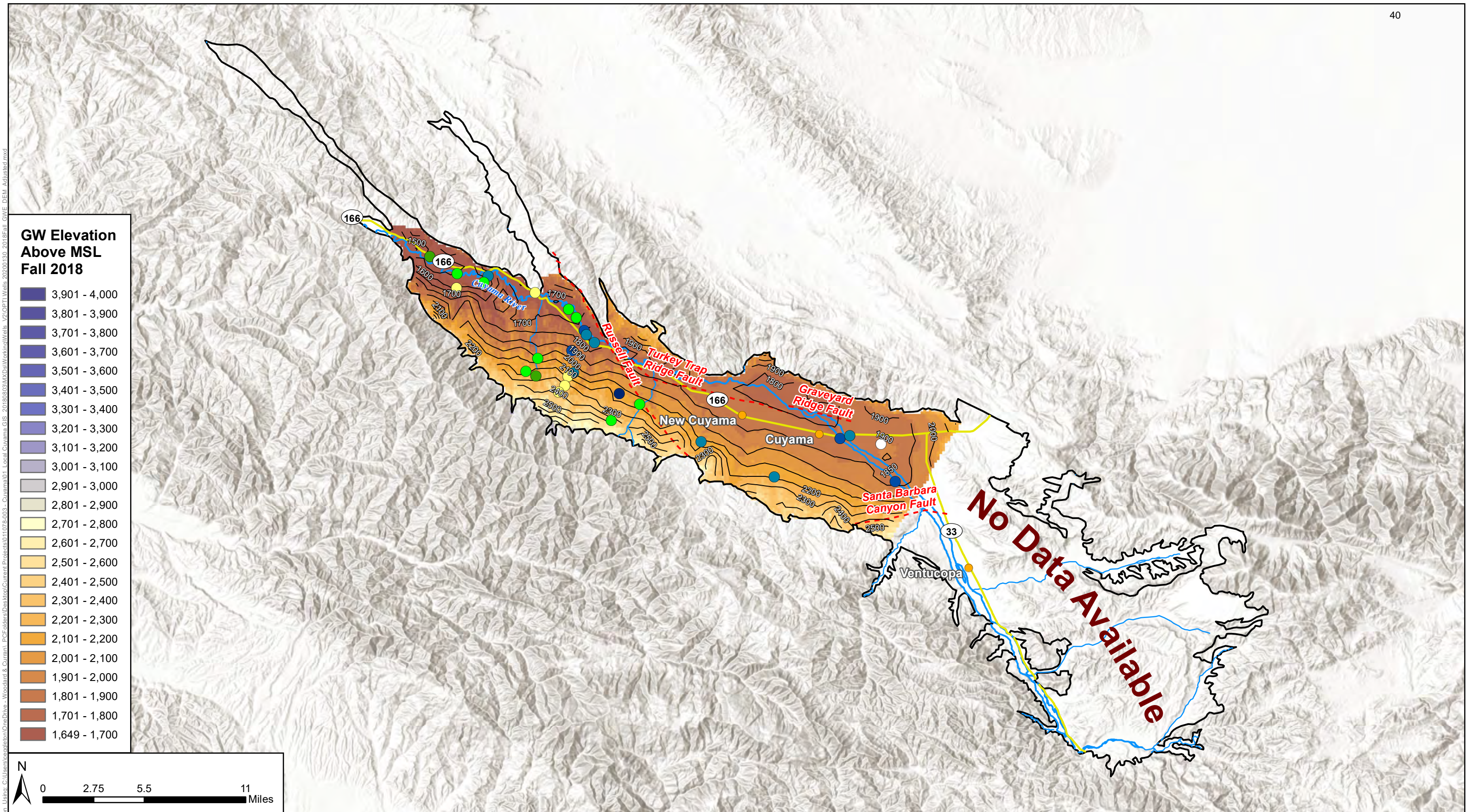
Figure 2-3 shows the depth to groundwater contours for fall 2018 and shows a depression in the central portion of the Basin greater than 600 ft below ground surface. Groundwater levels then increase towards the west reaching depths above 100 ft in the western portion of the Basin. These levels align with trends seen in older counter maps provided in the Cuyama Valley Basin 2020 GSP.

Figure 2-4 shows the groundwater elevation contours for spring of 2019. Data for this time period provides greater Basin coverage than in fall of 2018. 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 and 2017 conditions. Groundwater elevations steadily increase towards the east through Ventucopa.

Figure 2-5 shows the depth to groundwater contours for the spring of 2019. Data collected in 2019 provided more spatial coverage than 2018 measurements did. The contours and also shows 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 and 2017 conditions. When compared with Figure 2-4, 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 2019 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

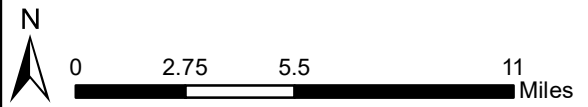
Figure 2-6 and Figure 2-7 show the groundwater elevation contours and depth to groundwater levels for fall of 2019. These figures show the same trends as provided in figures Figure 2-2 through Figure 2-5, however some levels in these figures are even lower in the central portion of the Basin. Groundwater level data was available in Fall of 2019 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.





**GW Elevation Above MSL Fall 2018**

- 3,901 - 4,000
- 3,801 - 3,900
- 3,701 - 3,800
- 3,601 - 3,700
- 3,501 - 3,600
- 3,401 - 3,500
- 3,301 - 3,400
- 3,201 - 3,300
- 3,101 - 3,200
- 3,001 - 3,100
- 2,901 - 3,000
- 2,801 - 2,900
- 2,701 - 2,800
- 2,601 - 2,700
- 2,501 - 2,600
- 2,401 - 2,500
- 2,301 - 2,400
- 2,201 - 2,300
- 2,101 - 2,200
- 2,001 - 2,100
- 1,901 - 2,000
- 1,801 - 1,900
- 1,701 - 1,800
- 1,649 - 1,700



**Figure 2-2: Cuyama GW Basin Fall 2018 Groundwater Elevation**  
 Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 January 2020



**Legend**

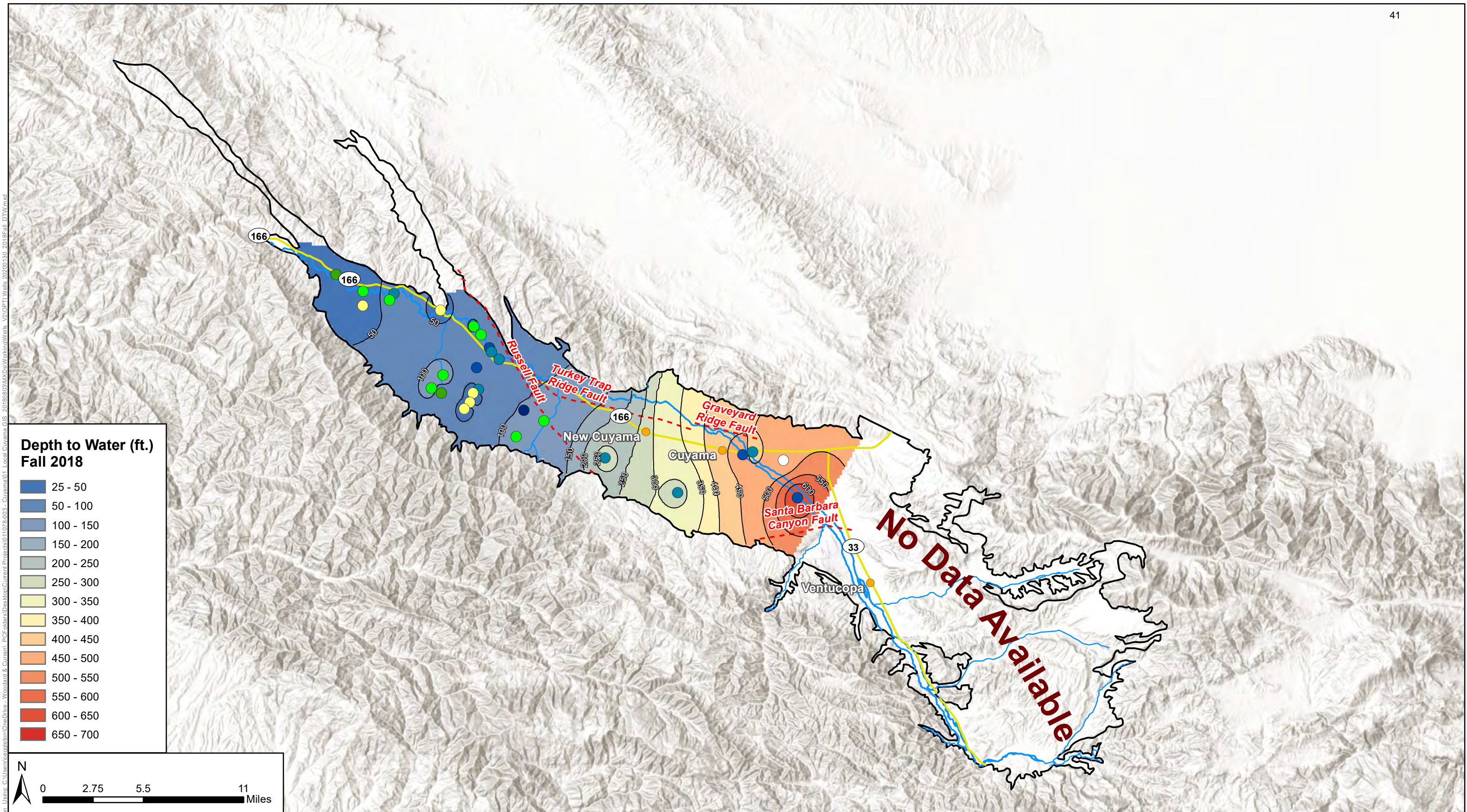
- Cuyama Basin
- Cuyama River
- - - Faults
- Groundwater Elevation Above MSL

- Well Depth Below GSE**
- Unknown
  - 0 - 200 ft
  - 200 - 400 ft
  - 400 - 600 ft
  - 600 - 800 ft
  - 800 - 1,000 ft
  - 1,000 - 1,200 ft

Contours were interpolated using data measured from 8/1/2018 - 11/30/2018 due to limited data availability.  
 Contours Interval: 100 ft.

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**Depth to Water (ft.)  
Fall 2018**

- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 - 500
- 500 - 550
- 550 - 600
- 600 - 650
- 650 - 700

N

0 2.75 5.5 11 Miles

**Figure 2-3: Cuyama GW Basin  
Fall 2018 Depth to Water**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020



**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 - 1,000 ft
  - 1,000 - 1,200 ft

Contours were interpolated using data measured from 8/1/2018 - 11/30/2018 due to limited data availability.

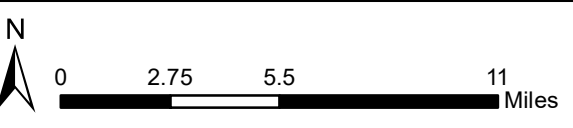
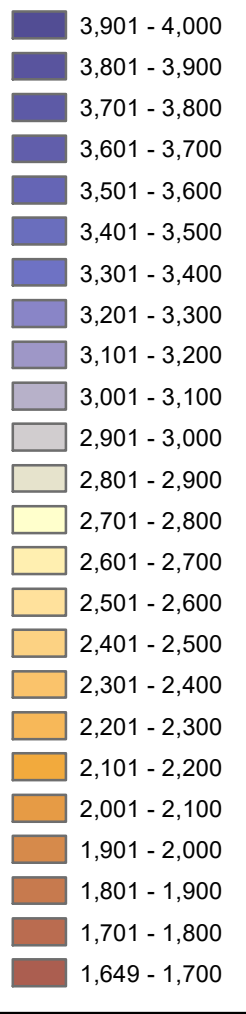
Contours Interval: 50 ft.

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### GW Elevation Above MSL Spring 2019



**Figure 2-4: Cuyama GW Basin Spring 2019 Groundwater Elevation**

Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 January 2020



Legend

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

#### Well Depth Below GSE

- |              |                  |
|--------------|------------------|
| Unknown      | 600 - 800 ft     |
| 0 - 200 ft   | 800 - 1,000 ft   |
| 200 - 400 ft | 1,000 - 1,200 ft |
| 400 - 600 ft |                  |

Contours were interpolated using data measured from 2/1/2019 - 4/30/2019 due to limited data availability.

Contours Interval: 100 ft.

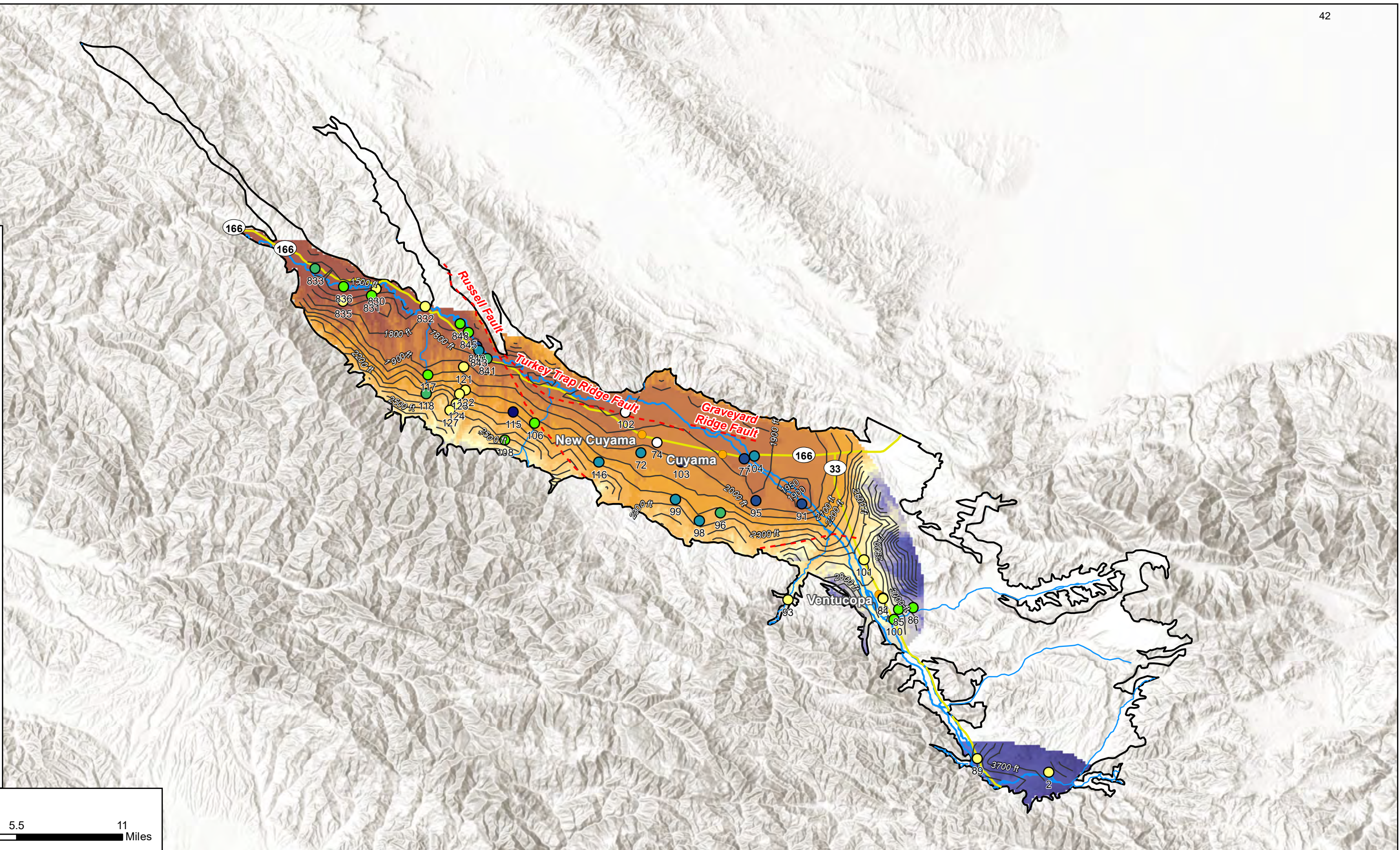
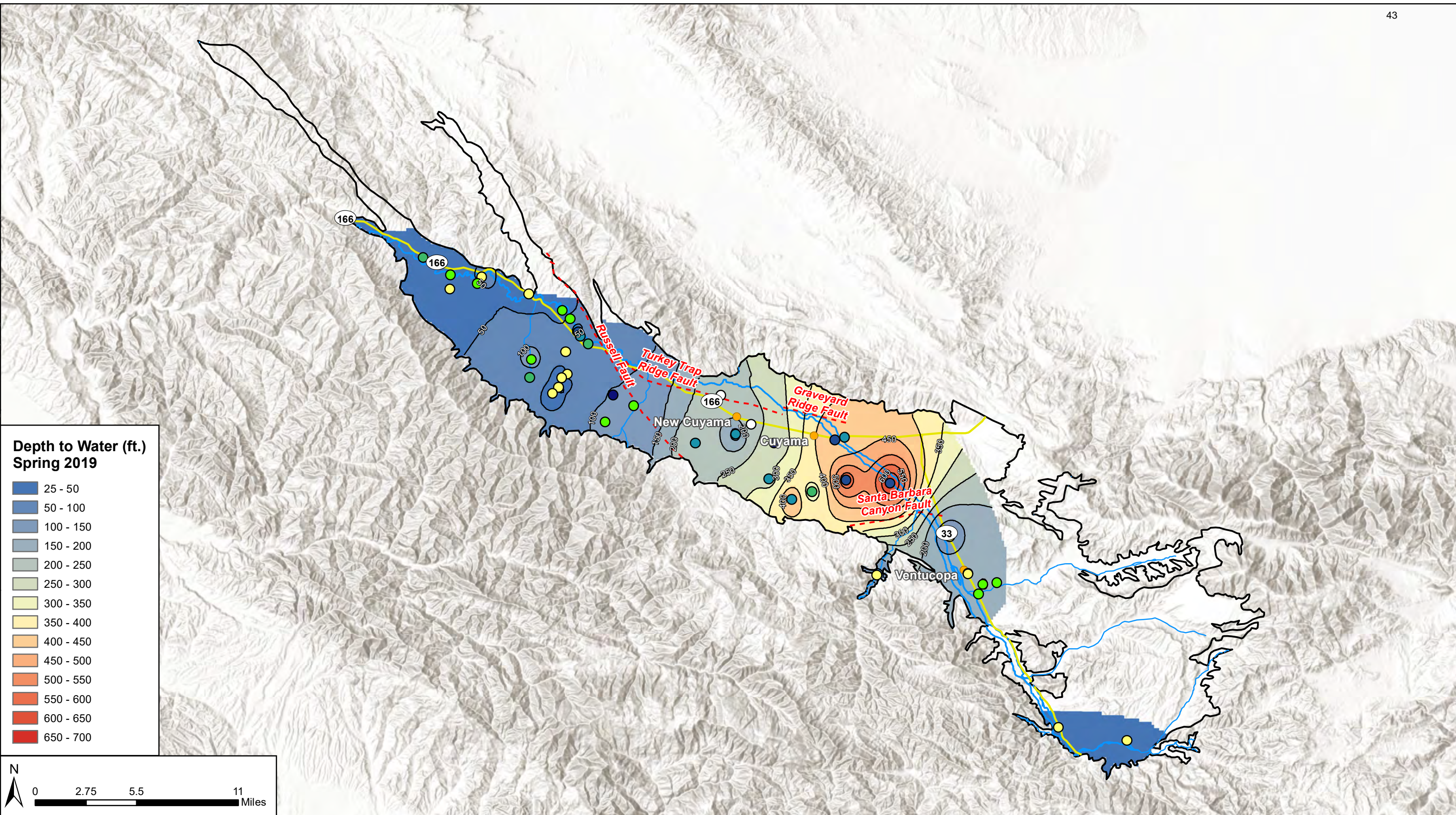




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**Depth to Water (ft.)  
Spring 2019**

- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 - 500
- 500 - 550
- 550 - 600
- 600 - 650
- 650 - 700

N

0 2.75 5.5 11 Miles

**Figure 2-5: Cuyama GW Basin  
Spring 2019 Depth to Water**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020



**Legend**

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

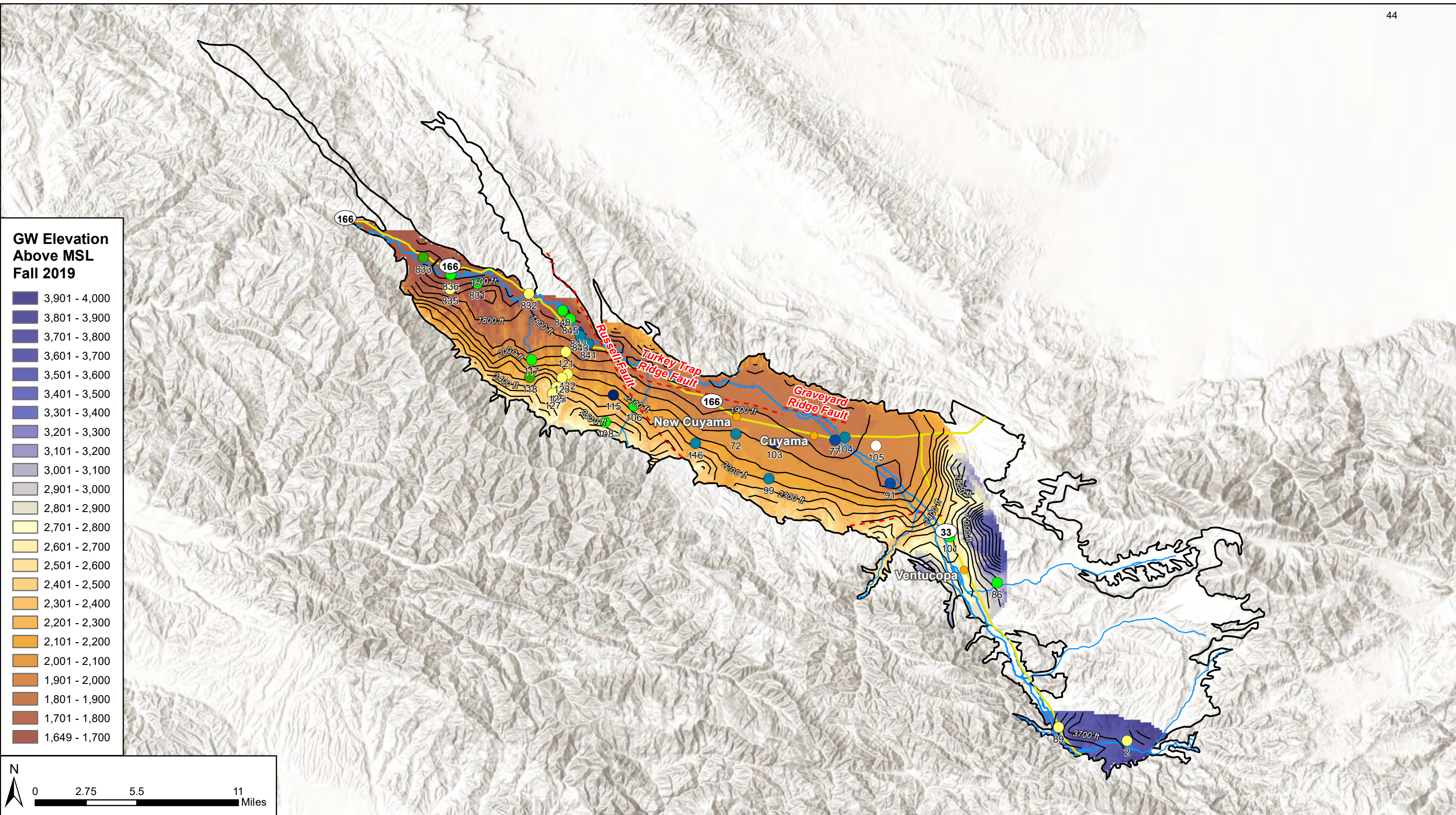
- Well Depth Below GSE**
- Unknown
  - 600 - 800 ft
  - 0 - 200 ft
  - 800 - 1,000 ft
  - 200 - 400 ft
  - 1,000 - 1,200 ft
  - 400 - 600 ft

Contours were interpolated using data measured from 2/1/2019 - 4/30/2019 due to limited data availability.

Contours Interval: 50 ft.



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**GW Elevation Above MSL Fall 2019**

3,901 - 4,000
3,801 - 3,900
3,701 - 3,800
3,601 - 3,700
3,501 - 3,600
3,401 - 3,500
3,301 - 3,400
3,201 - 3,300
3,101 - 3,200
3,001 - 3,100
2,901 - 3,000
2,801 - 2,900
2,701 - 2,800
2,601 - 2,700
2,501 - 2,600
2,401 - 2,500
2,301 - 2,400
2,201 - 2,300
2,101 - 2,200
2,001 - 2,100
1,901 - 2,000
1,801 - 1,900
1,701 - 1,800
1,649 - 1,700



**Figure 2-6: Cuyama GW Basin Fall 2019 Groundwater Elevation**

Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 January 2020



**Legend**

	Cuyama Basin
	Cuyama River
	Faults
	Groundwater Elevation Above MSL

**Well Depth Below GSE**

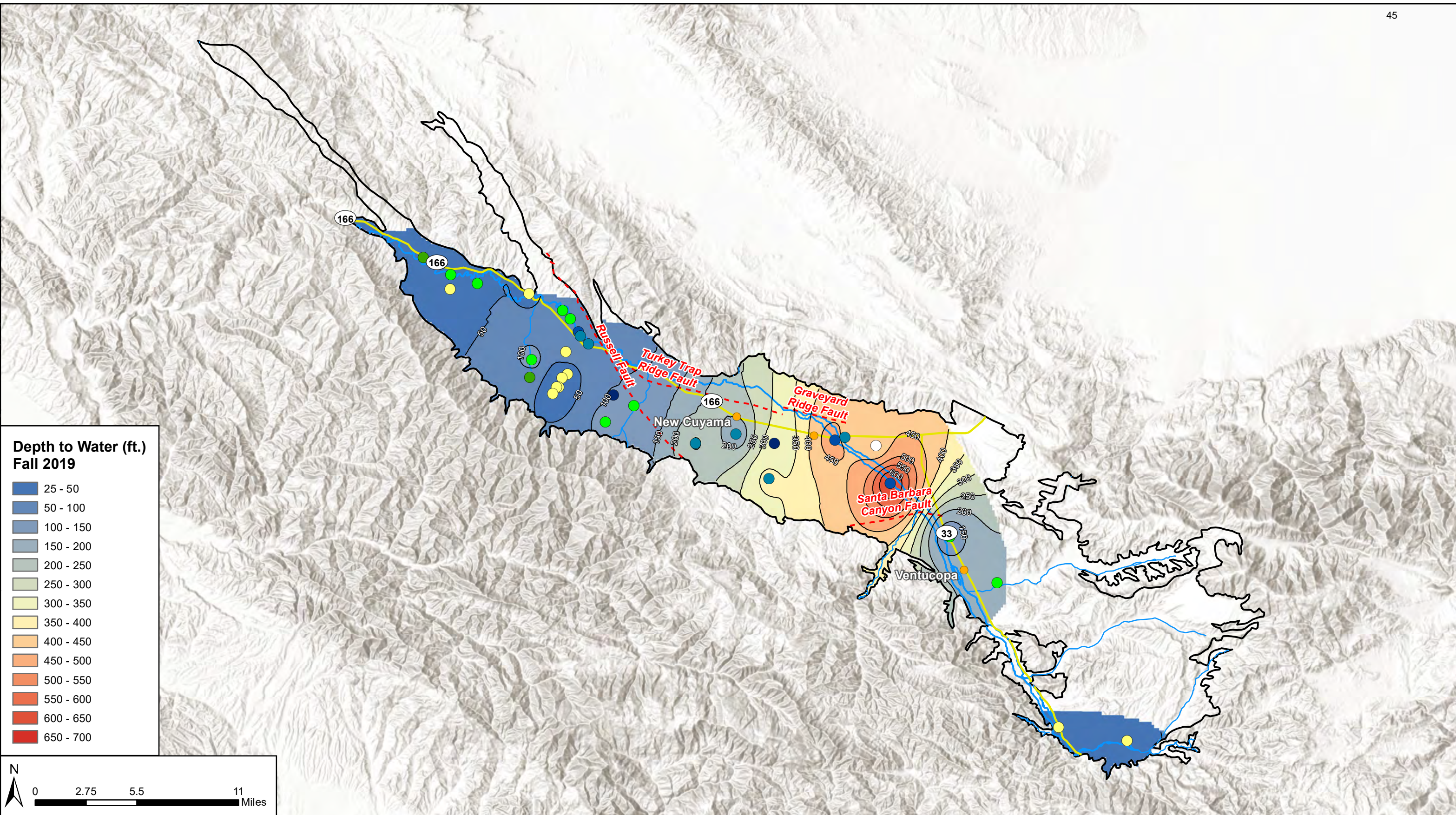
	Unknown		600 - 800 ft
	0 - 100 ft		900 - 1,000 ft
	200 - 400 ft		1,000 - 1,200 ft
	400 - 600 ft		

Contours were interpolated using data measured from 8/1/2019 - 11/30/2019 due to limited data availability.

Contours Interval: 100 ft.



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**Depth to Water (ft.)  
Fall 2019**

- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 300
- 300 - 350
- 350 - 400
- 400 - 450
- 450 - 500
- 500 - 550
- 550 - 600
- 600 - 650
- 650 - 700

N

0 2.75 5.5 11 Miles

**Figure 2-7: Cuyama GW Basin  
Fall 2019 Depth to Water**

Cuyama Basin Groundwater Sustainability Agency  
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
January 2020



**Legend**

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

**Well Depth Below GSE**

- Unknown
- 0 - 100 ft
- 200 - 400 ft
- 400 - 600 ft
- 600 - 800 ft
- 900 - 1,000 ft
- 1,000 - 1,200 ft

Contours were interpolated using data measured from 8/1/2019 - 11/30/2019 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.

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.

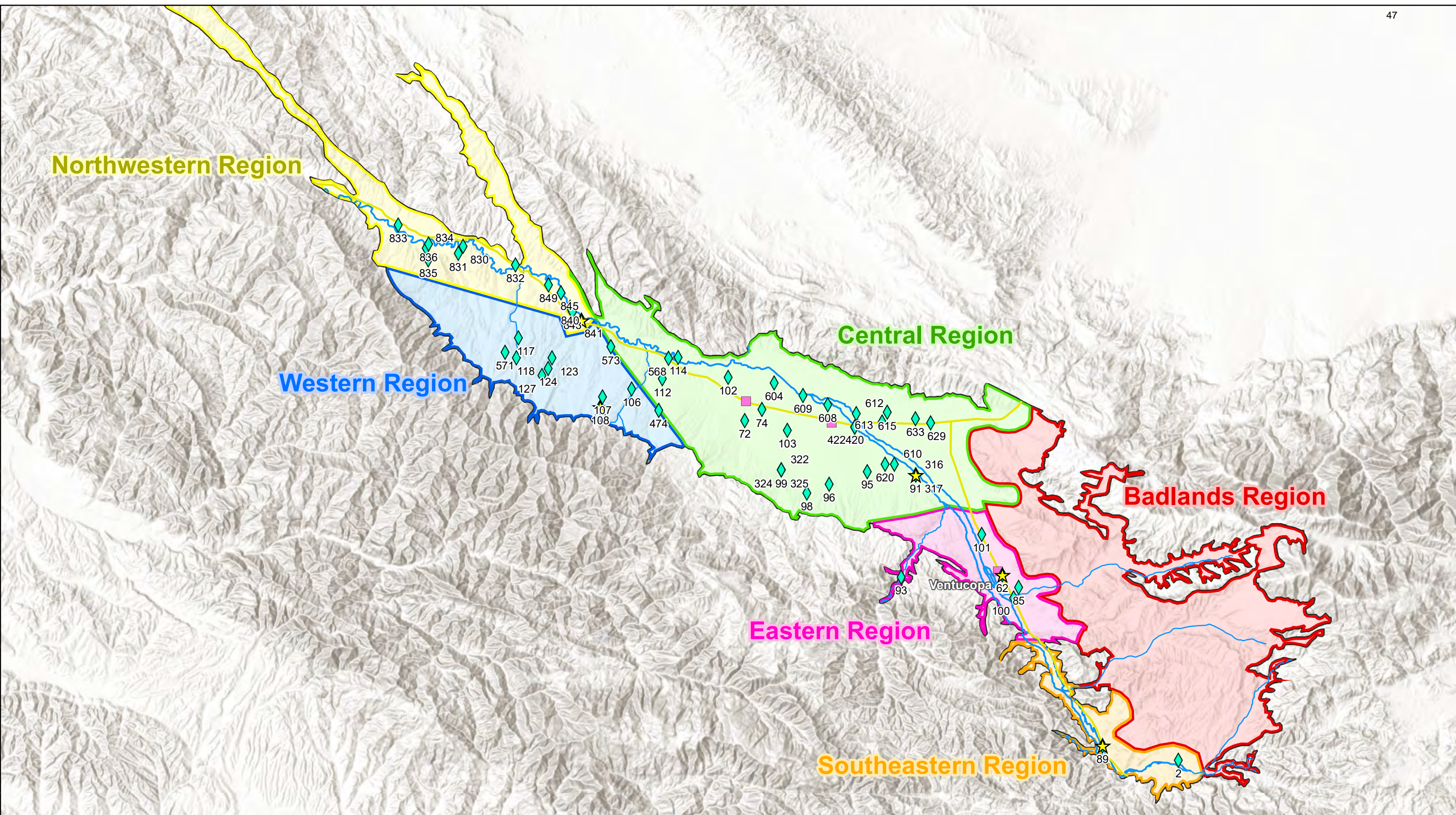
Groundwater conditions generally vary in different parts of the Basin. To provide a comparative analysis general groundwater trends are provided in Table 2-1 and are accompanied by hydrographs for each threshold regions. A map of threshold regions is provided in Figure 2-8, which also shows the locations of example wells used in each threshold region.

**Table 2-1: Groundwater Trends by Threshold Region**

<b>Threshold Region</b>	<b>Groundwater Trend</b>	<b>Example Well</b>
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 2-9)
Western Region	Levels in this region have either stayed relatively flat or slightly increased.	108 (Figure 2-10)
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.	91 (Figure 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)



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**Figure 2-8: Cuyama GW Basin Representative Wells and Wells with Hydrographs in the Annual Report Text**

Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 January 2020



**Legend**

- Towns
- Highways
- Cuyama River
- Streams
- Cuyama Basin
- ◆ Representative Wells
- ★ Wells with Example Hydrographs in Annual Report





Figure 2-9: Example Well Hydrographs – Northwestern Region

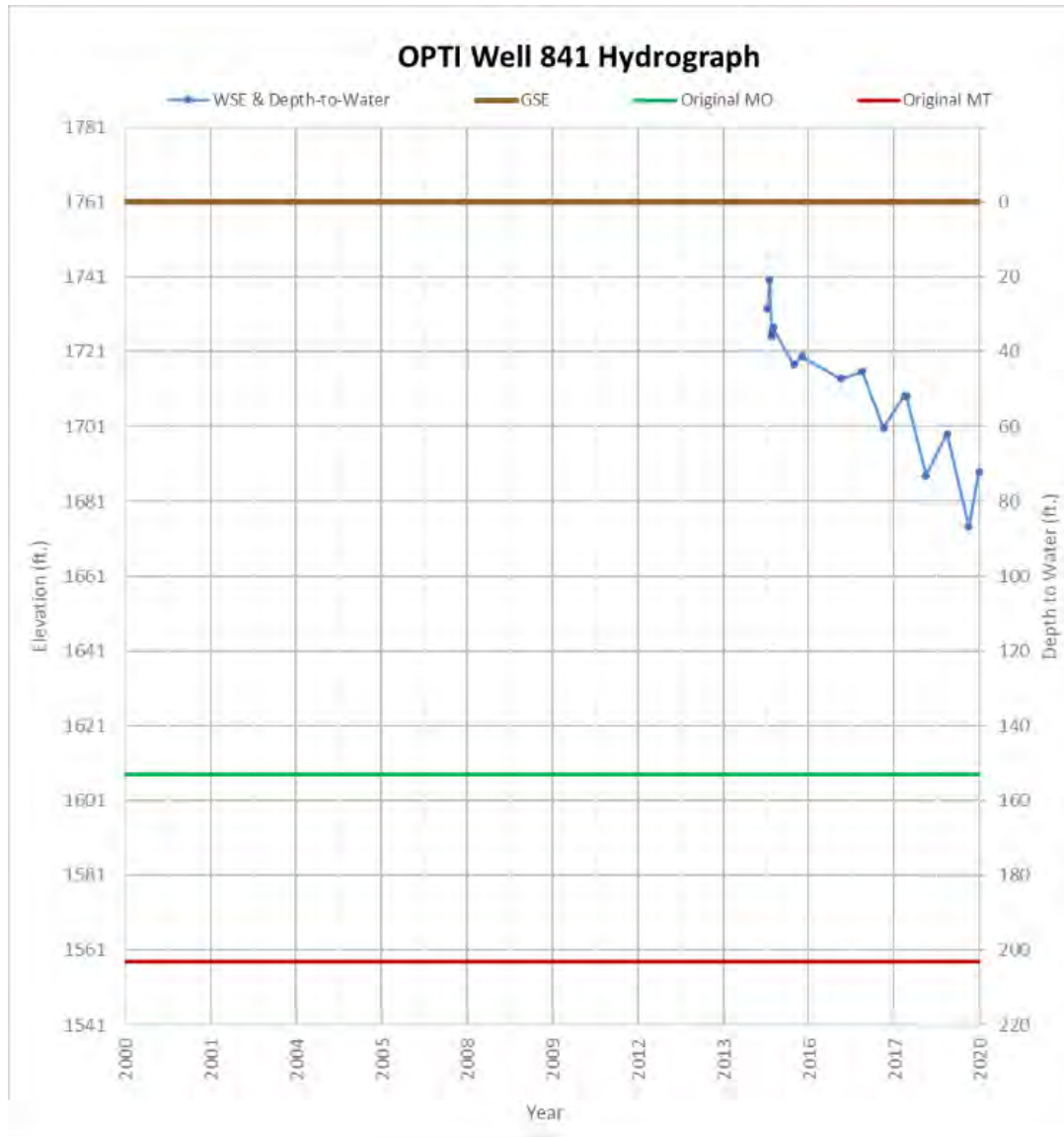


Figure 2-10: Example Well Hydrographs – Western Region

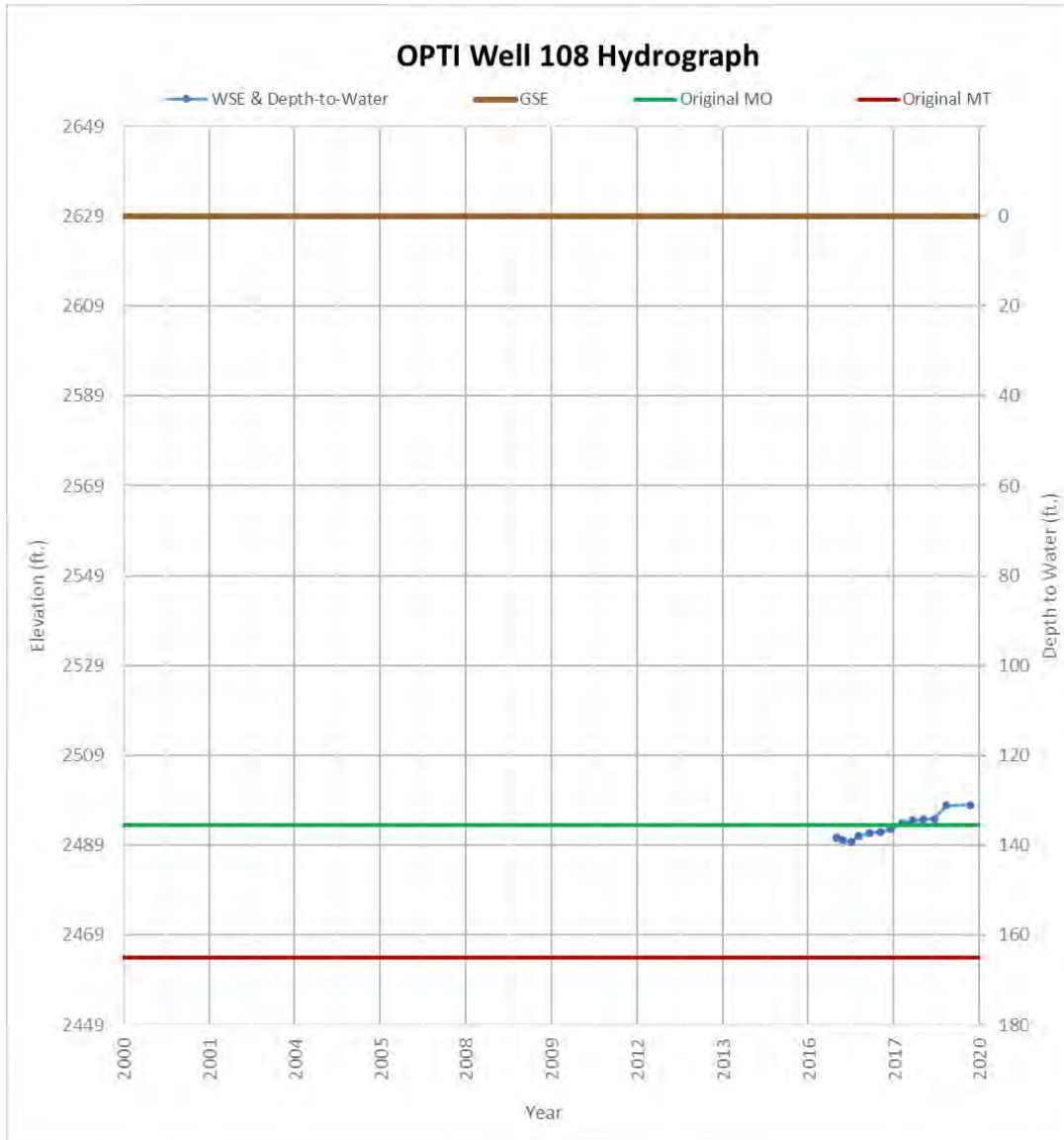


Figure 2-11: Example Well Hydrographs – Central Region

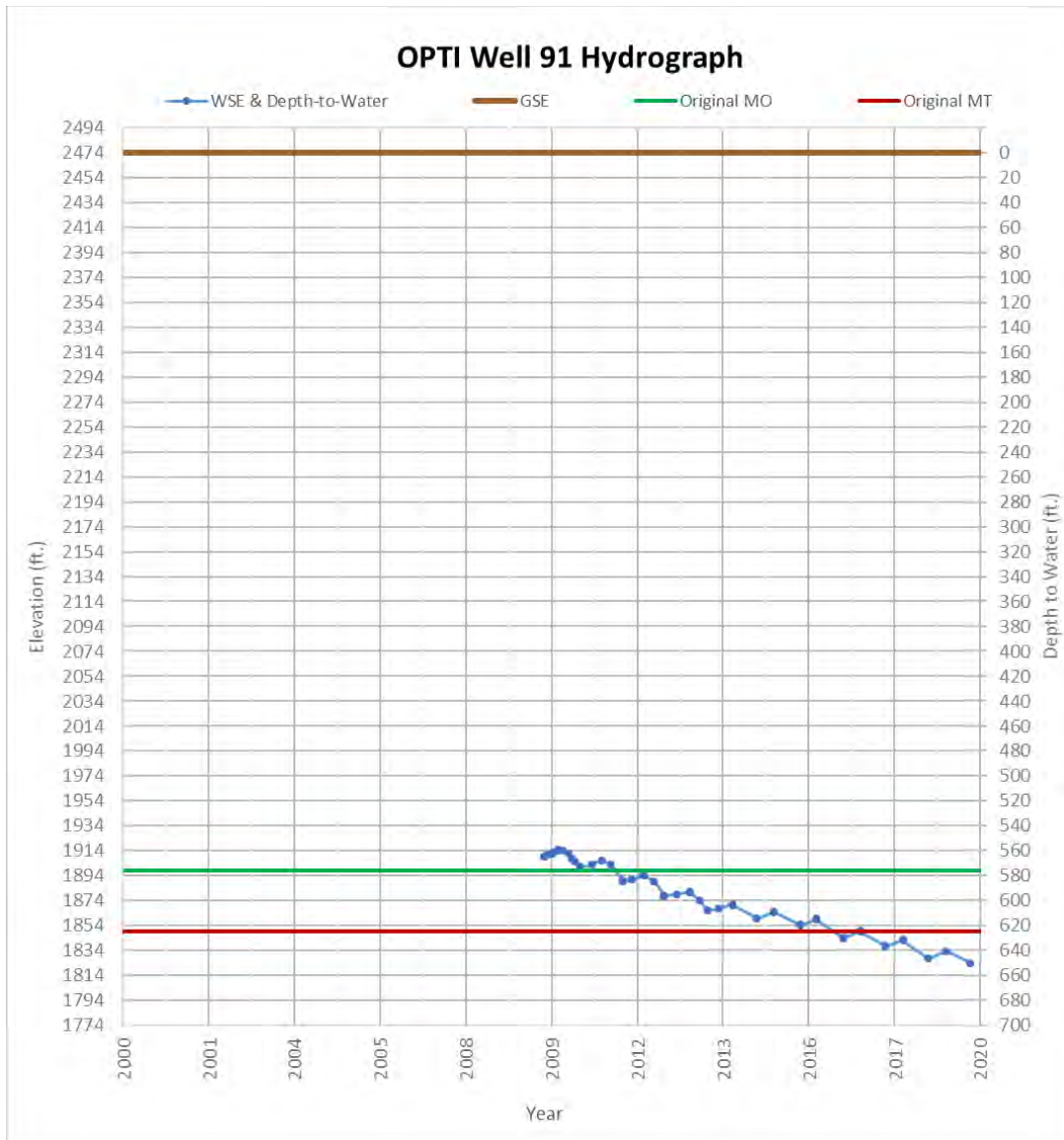




Figure 2-12: Example Well Hydrographs – Eastern Region

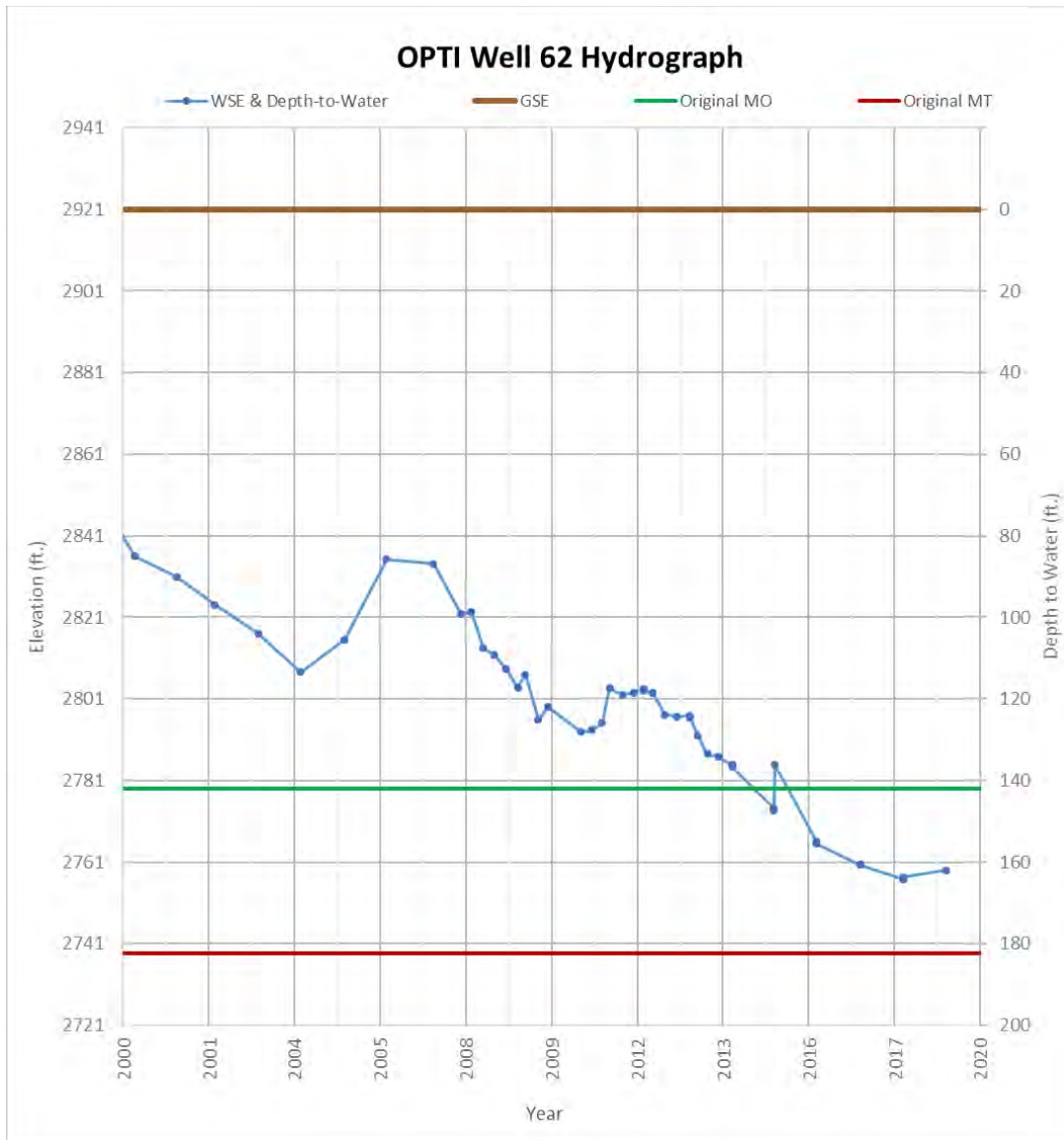
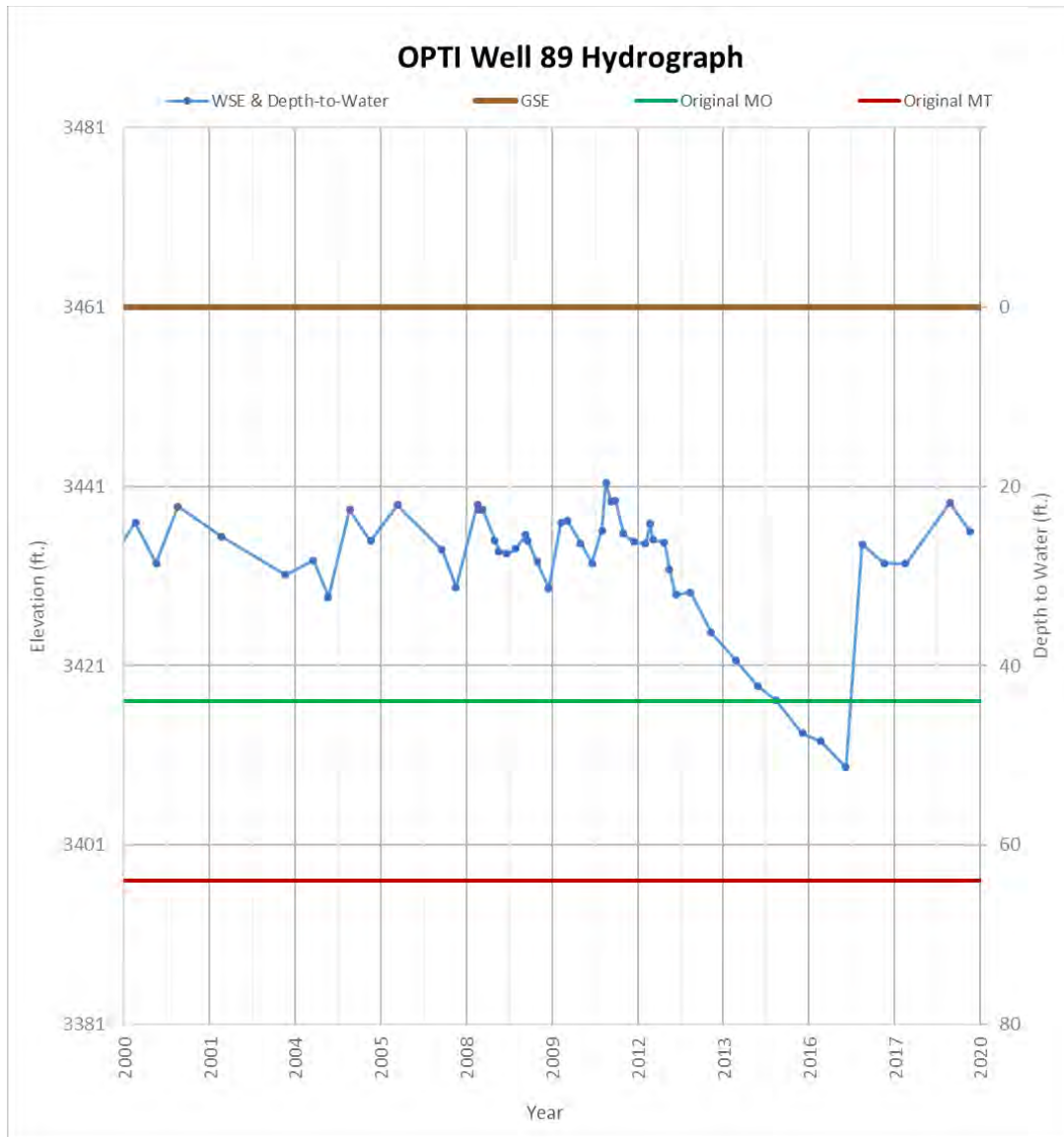


Figure 2-13: Example Well Hydrographs – Southeastern Region



## 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

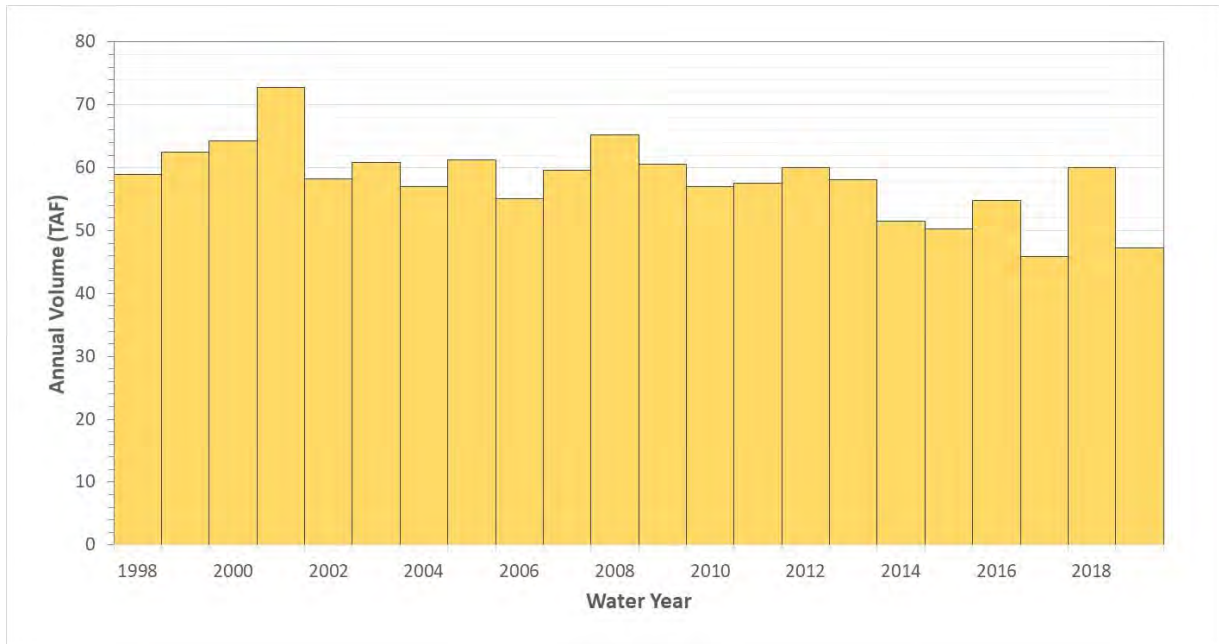
Water budgets in the Cuyama Basin GSP were developed using the Cuyama Basin Water Resources Model (CBWRM) model, which is a fully integrated surface and groundwater flow model covering the Basin. The CBWRM was used to develop a historical water budget that evaluated the availability and reliability of 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 Annual Report, the CBWRM model was extended to include the 2018 and 2019 water years, utilizing updated land use, temperature and precipitation data from those years.

Figure 3-1 shows the annual time series of groundwater pumping for the water years 1998 through 2019. The CBWRM estimates the following total groundwater extraction amounts in the Cuyama Basin in the 2018 and 2019 water years:

- 2018 Water Year: 60,000 AF
- 2019 Water Year: 47,200 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.





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

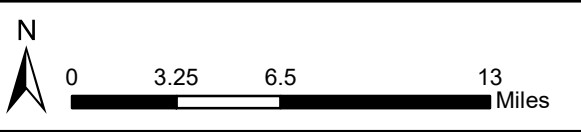
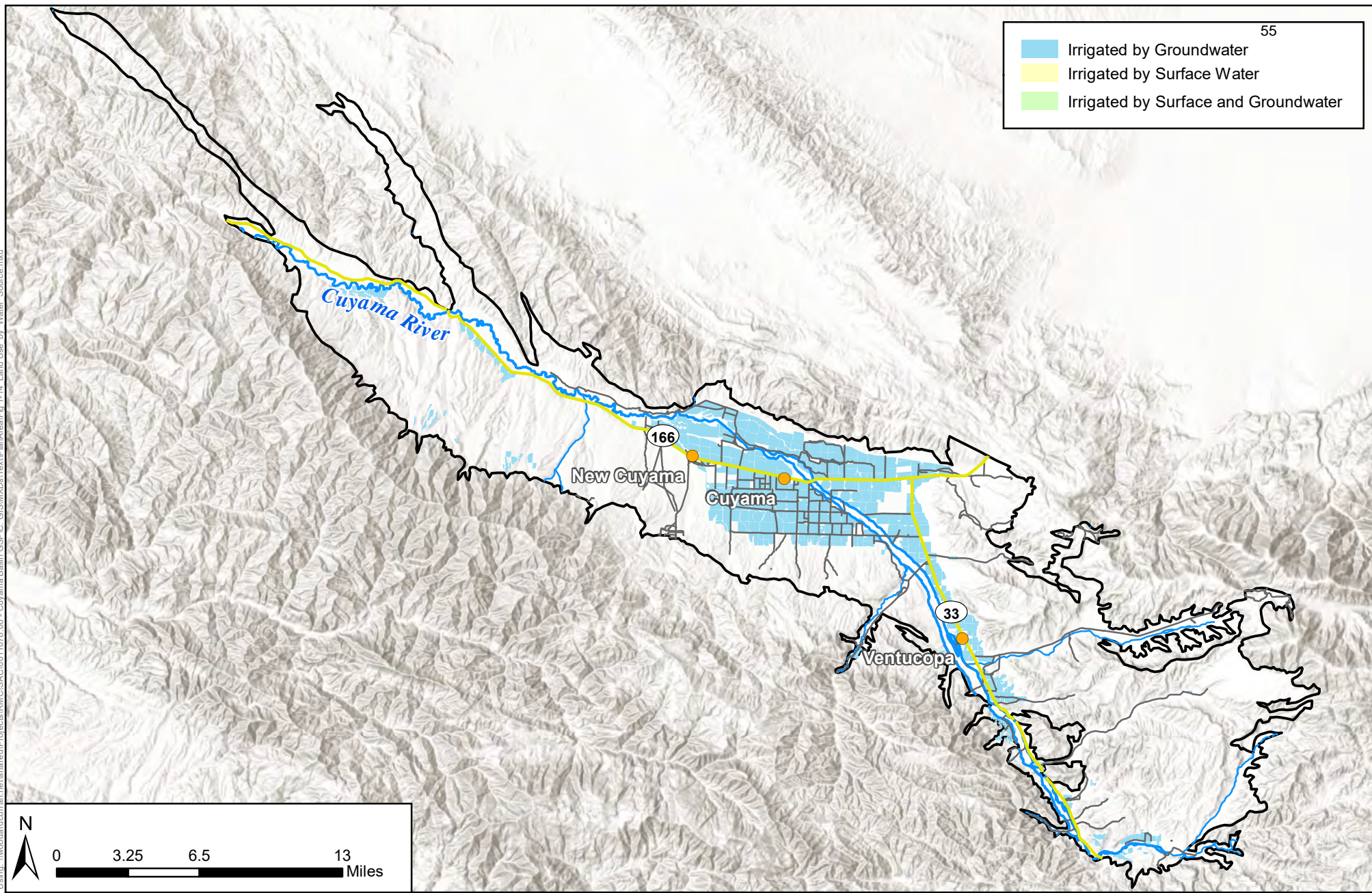
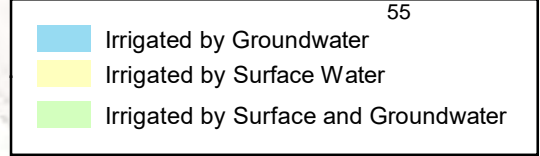
Figure 3-2 shows the locations where groundwater is applied in the Basin. The locations of groundwater use have not changed since completion of the GSP.

### 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.



**Figure 3-2 - Land Use by Water Source**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020



Legend

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

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

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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 2018 and 2019. The changes shown are based on historical measurements of groundwater elevations in Cuyama Basin representative wells in each year. Since the Cuyama Basin monitoring network has not yet been fully implemented, 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 more comprehensive monitoring data becomes available in the Basin.

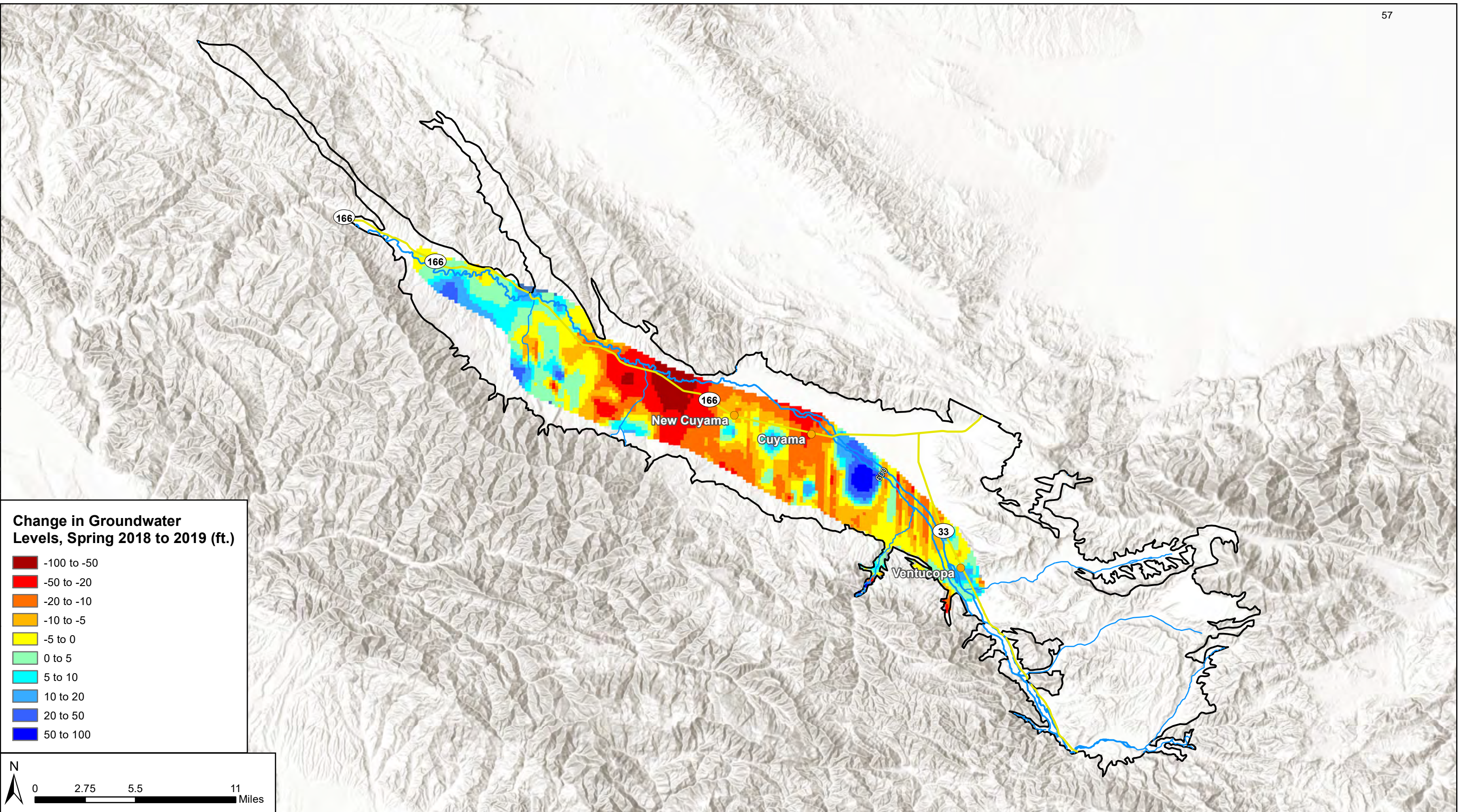
A quantitative estimate of the annual change in groundwater storage was estimated using the CBWRM model, which was extended to include the 2018 and 2019 water years as described in the groundwater extraction section above. The CBWRM was used to estimate the full groundwater budget for each year in the 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 39,400 AF in 2018 and 11,100 AF in 2019.

**Table 4-1: Groundwater Budget Estimates for Water Years 2018 and 2019**

<b>Component</b>	<b>Water Year 2018 (AFY)</b>	<b>Water Year 2019 (AFY)</b>
<b><i>Inflows</i></b>		
Deep percolation	17,200	26,300
Stream seepage	2,000	8,000
Subsurface inflow	1,400	1,800
<b><i>Total Inflow</i></b>	<b>20,600</b>	<b>36,100</b>
<b><i>Outflows</i></b>		
Groundwater pumping	60,000	47,200
<b><i>Total Outflow</i></b>	<b>60,000</b>	<b>47,200</b>
<b><i>Change in Storage</i></b>	<b>(39,400)</b>	<b>(11,100)</b>

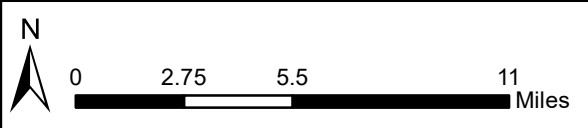


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**Change in Groundwater Levels, Spring 2018 to 2019 (ft.)**

- 100 to -50
- 50 to -20
- 20 to -10
- 10 to -5
- 5 to 0
- 0 to 5
- 5 to 10
- 10 to 20
- 20 to 50
- 50 to 100



**Figure 4-1: Cuyama GW Basin Spring 2018 to 2019 GWL Change**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

January 2020



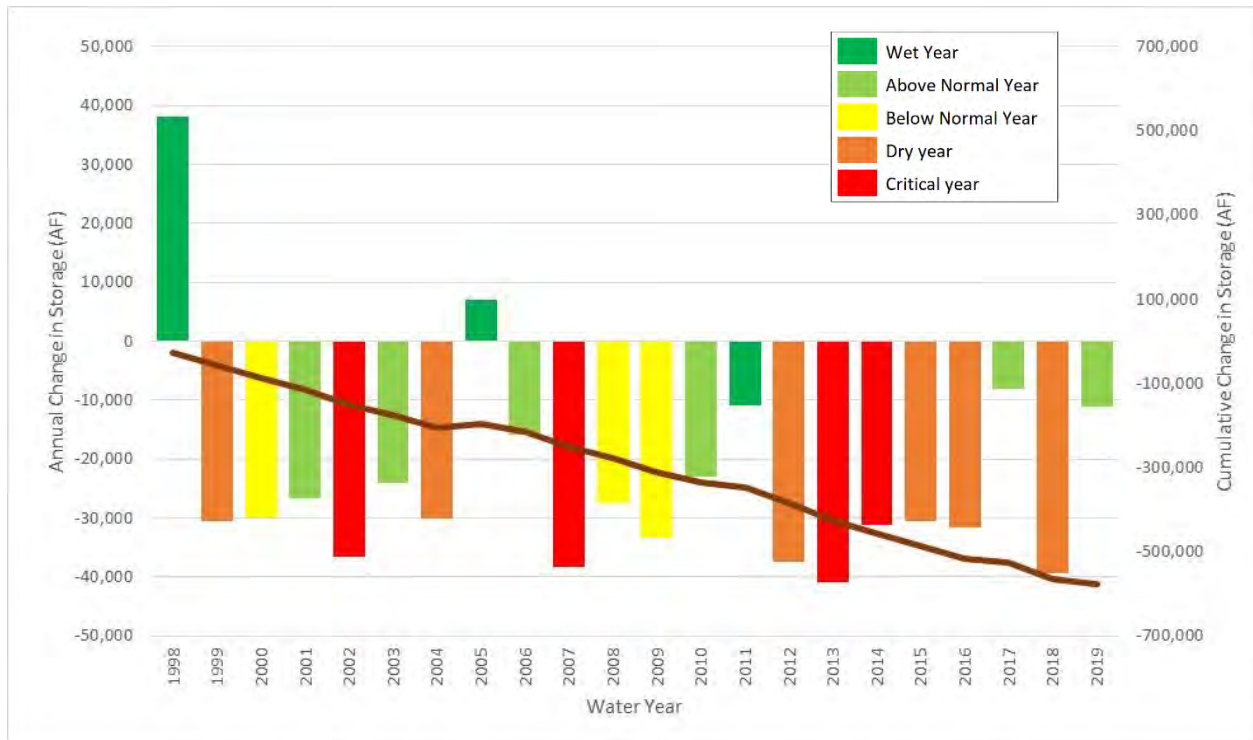
**Legend**

- Cuyama Basin
- Cuyama River

Rasters have been developed as an estimation tool. Areas of overlapping interpolation data for Spring 2019 and Spring 2018 were interpolated using data measured from February 1st and April 30th of each year due to limited data availability. 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 shows change in groundwater storage by year, water year type,<sup>3</sup> and cumulative water volume in each year for the period from 1998 through 2019. 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**

<sup>3</sup> 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.

## Section 5. Plan Implementation

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

### 5.1 Funding to Support GSP Implementation

On November 6, 2019, the CBGSA Board approved the implementation of a groundwater extraction fee of \$19 per acre-foot of pumping in 2019 to provide revenue to fund CBGSA administration and GSP implementation activities. It is estimated that the extraction fee will provide approximately \$1,021,936 in revenue.

### 5.2 Stakeholder Outreach Activities in Support of GSP Implementation

The following is a list of public meetings where GSP development and implementation was discussed during 2019.

- CBGSA Board meetings: January 9, February 6, April 3, June 5, July 10, August 7, and December 4
- Standing Advisory Committee (SAC) meetings: January 8, January 31, February 28, March 28, April 25, May 30, and June 27
- Joint meetings of the CBGSA Board and SAC: March 6, May 1, and November 6
- Community workshops (in both English and Spanish): March 6 and May 1

### 5.3 Progress on Implementation of GSP Projects

Table 5-1 shows the projects and management actions that were included in the GSP. The following subsections describe the progress of implementation of each GSP project.



Activity	Current Status	Anticipated Timing	Estimated Cost <sup>a</sup>
Project 1: Flood and Stormwater Capture	Conceptual project evaluated in 2015	<ul style="list-style-type: none"> <li>• Feasibility study: 0 to 5 years</li> <li>• Design/Construction: 5 to 15 years</li> </ul>	<ul style="list-style-type: none"> <li>• Study: \$1,000,000</li> <li>• Flood and Stormwater Capture Project: \$600-\$800 per AF (\$2,600,000 – 3,400,000 per year)</li> </ul>
Project 2: Precipitation Enhancement	Initial Feasibility Study completed in 2016	<ul style="list-style-type: none"> <li>• Refined project study: 0 to 2 years</li> <li>• Implementation of Precipitation Enhancement: 0 to 5 years</li> </ul>	<ul style="list-style-type: none"> <li>• Study: \$200,000</li> <li>• Precipitation Enhancement Project: \$25 per AF (\$150,000 per year)</li> </ul>
Project 3: Water Supply Transfers/Exchanges	Not yet begun	<ul style="list-style-type: none"> <li>• Feasibility study/planning: 0 to 5 years</li> <li>• Implementation in 5 to 15 years</li> </ul>	<ul style="list-style-type: none"> <li>• Study: \$200,000</li> <li>• Transfers/Exchanges: \$600-\$2,800 per AF (total cost TBD)</li> </ul>
Project 4: Improve Reliability of Water Supplies for Local Communities	Preliminary studies/planning complete	<ul style="list-style-type: none"> <li>• Feasibility studies: 0 to 2 years</li> <li>• Design/Construction: 1 to 5 years</li> </ul>	<ul style="list-style-type: none"> <li>• Study: \$100,000</li> <li>• Design/Construction: \$1,800,000</li> </ul>
Management Action 1: Basin-Wide Economic Analysis	Completed	<ul style="list-style-type: none"> <li>• December 2020</li> </ul>	<ul style="list-style-type: none"> <li>• \$60,000</li> </ul>
Management Action 2: Pumping Allocations in Central Basin Management Area	Preliminary coordination begun	<ul style="list-style-type: none"> <li>• Pumping Allocation Study completed: 2022</li> <li>• Allocations implemented: 2023 through 2040</li> </ul>	<ul style="list-style-type: none"> <li>• Plan: \$300,000</li> <li>• Implementation: \$150,000 per year</li> </ul>
Adaptive Management	Not yet begun	Only implemented if triggered; timing would vary	TBD

<sup>a</sup> Estimated cost based on planning documents and professional judgment  
AF = acre-feet

**Table 5-1: Summary of Projects and Management Actions Included in the GSP**

### 5.3.1 Project 1: Flood and Stormwater Capture

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

### **5.3.2 Project 2: Precipitation Enhancement**

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

### **5.3.3 Project 3: Water Supply Transfers or Exchanges**

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

### **5.3.4 Project 4: Improve Reliability of Water Supplies for Local Communities**

No progress was made towards implementation of this project in 2019.

## **5.4 Management Actions**

Table 5-1 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.

### **5.4.1 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 is provided in Appendix B. This management action is 100% complete.

### **5.4.2 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 progress was made towards implementation of this management action since completion of the GSP in January 2020.

## **5.5 Adaptive Management**

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

## **5.6 Progress Towards Implementation of Monitoring Networks**

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

### **5.6.1 Groundwater Levels Monitoring Network**

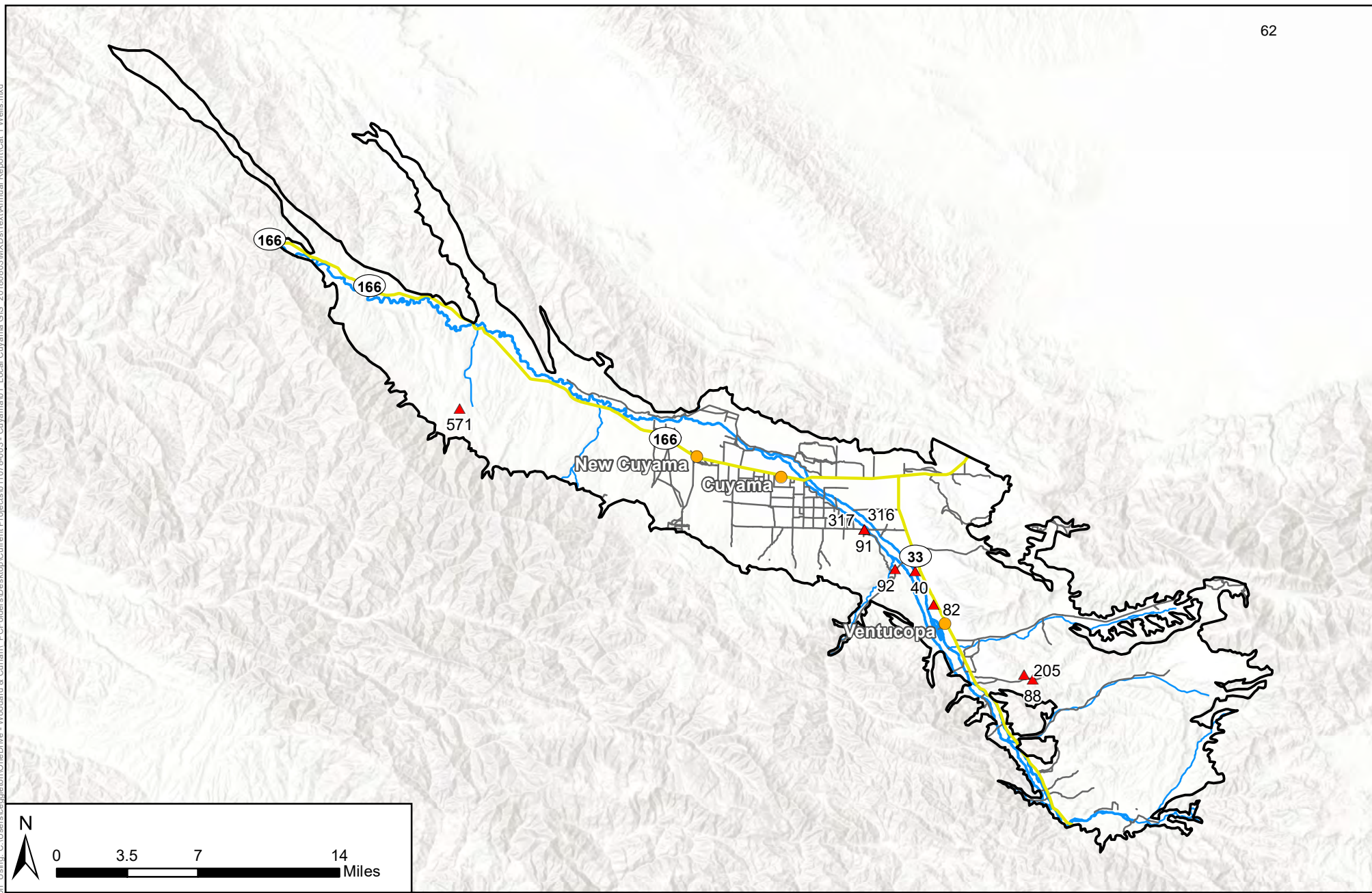
On December 4, 2019, the CBGSA Board approved a task to begin implementation of the groundwater levels monitoring network. As part of this task, well information sheets will be prepared for 40 wells in the monitoring network to allow for implementation of regular monitoring at each well. Work on this task will be completed by the end of 2020, allowing for the initiation of monthly groundwater levels monitoring.

In addition, under a Category 1 grant from DWR, continuous monitoring equipment will be installed in 10 additional wells during 2020. Figure 5-1 shows the preliminary locations selected for installation.

Finally, the CBGSA has approved applications to be submitted to DWR's Technical Support Services (TSS) for installation of three new monitoring wells within the Basin.



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**Figure 5-1 Cuyama Groundwater Basin Category 1 Wells**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

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**Legend**

- Cuyama GW Basin
- Category 1 Wells
- Highways
- Local Roads
- Cuyama River
- Streams

### **5.6.2 Surface Water Monitoring Network**

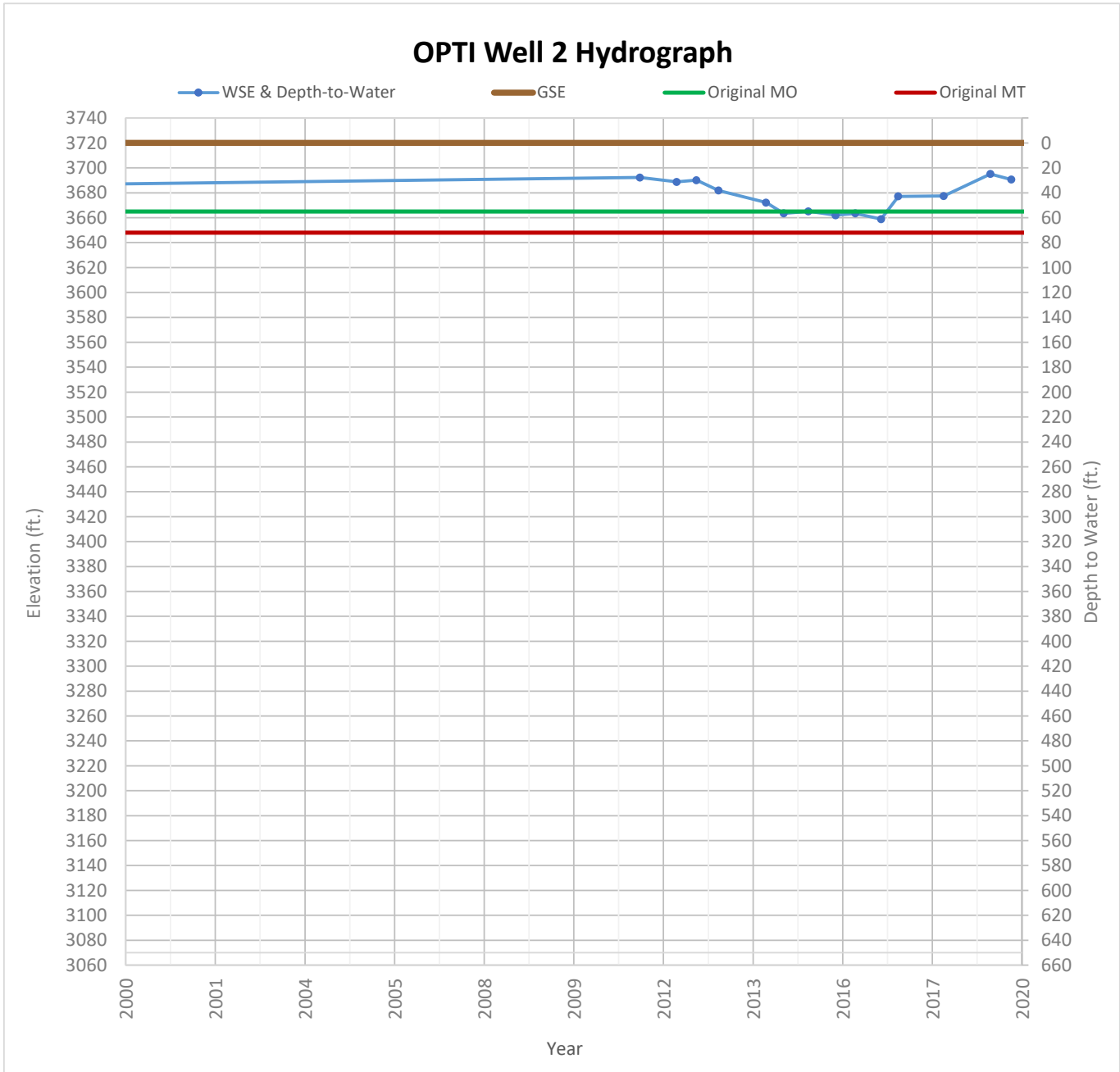
Under a Category 1 grant from DWR, it is expected that two new surface flow gages will be installed on the Cuyama River during 2020.

## **Section 6. References**

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

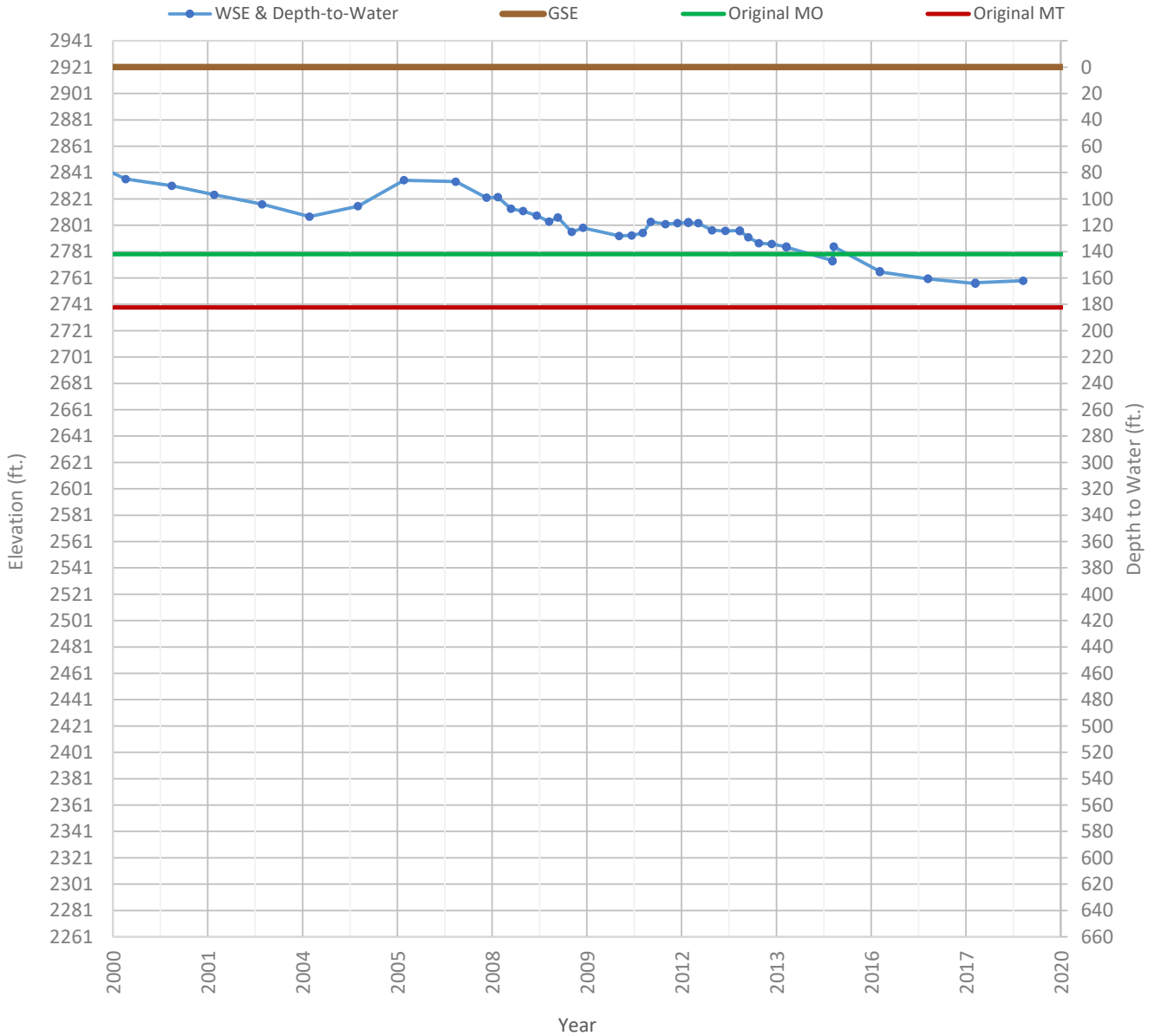


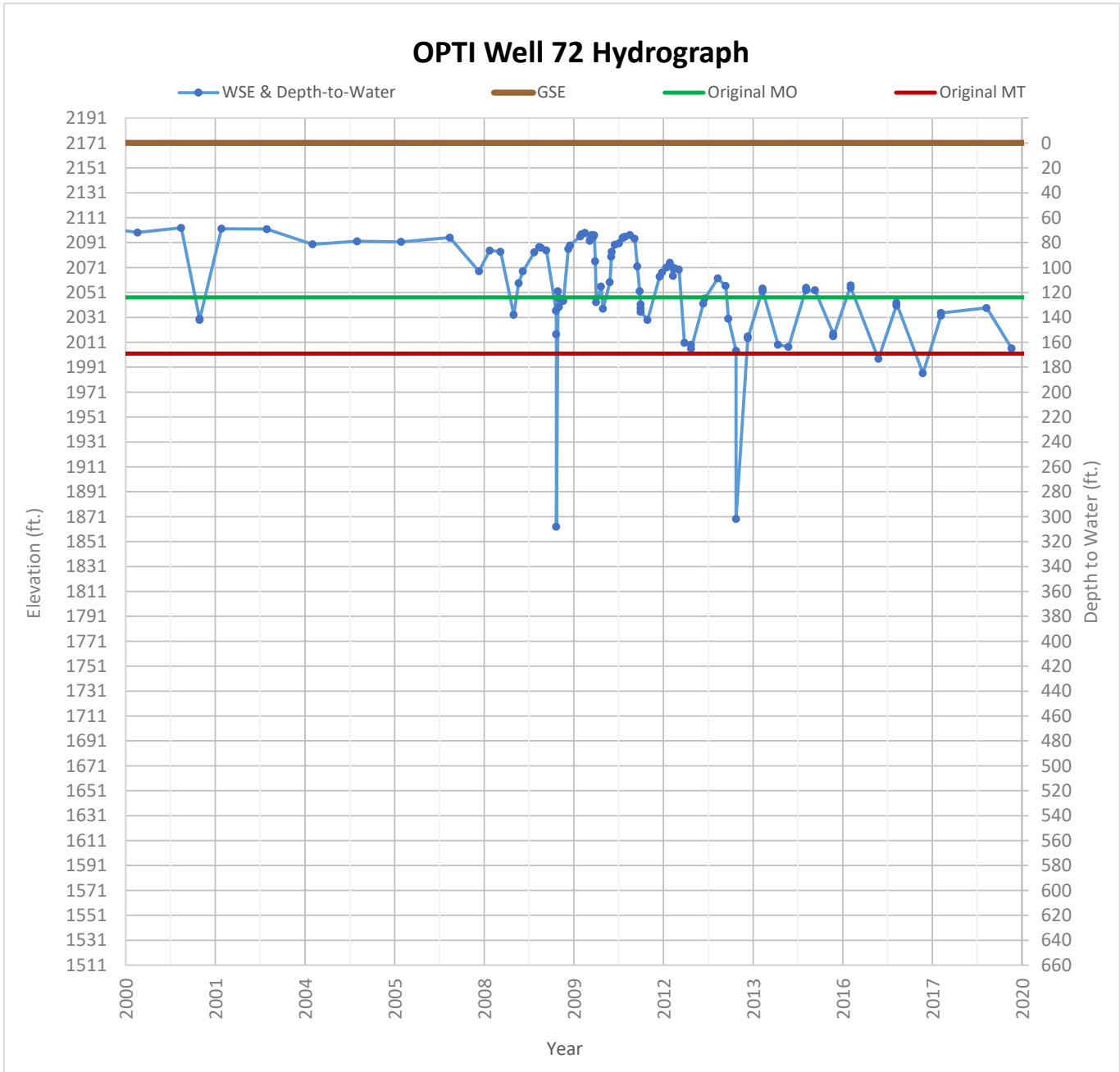
## **Appendix A - Updated Hydrographs for Representative Wells**



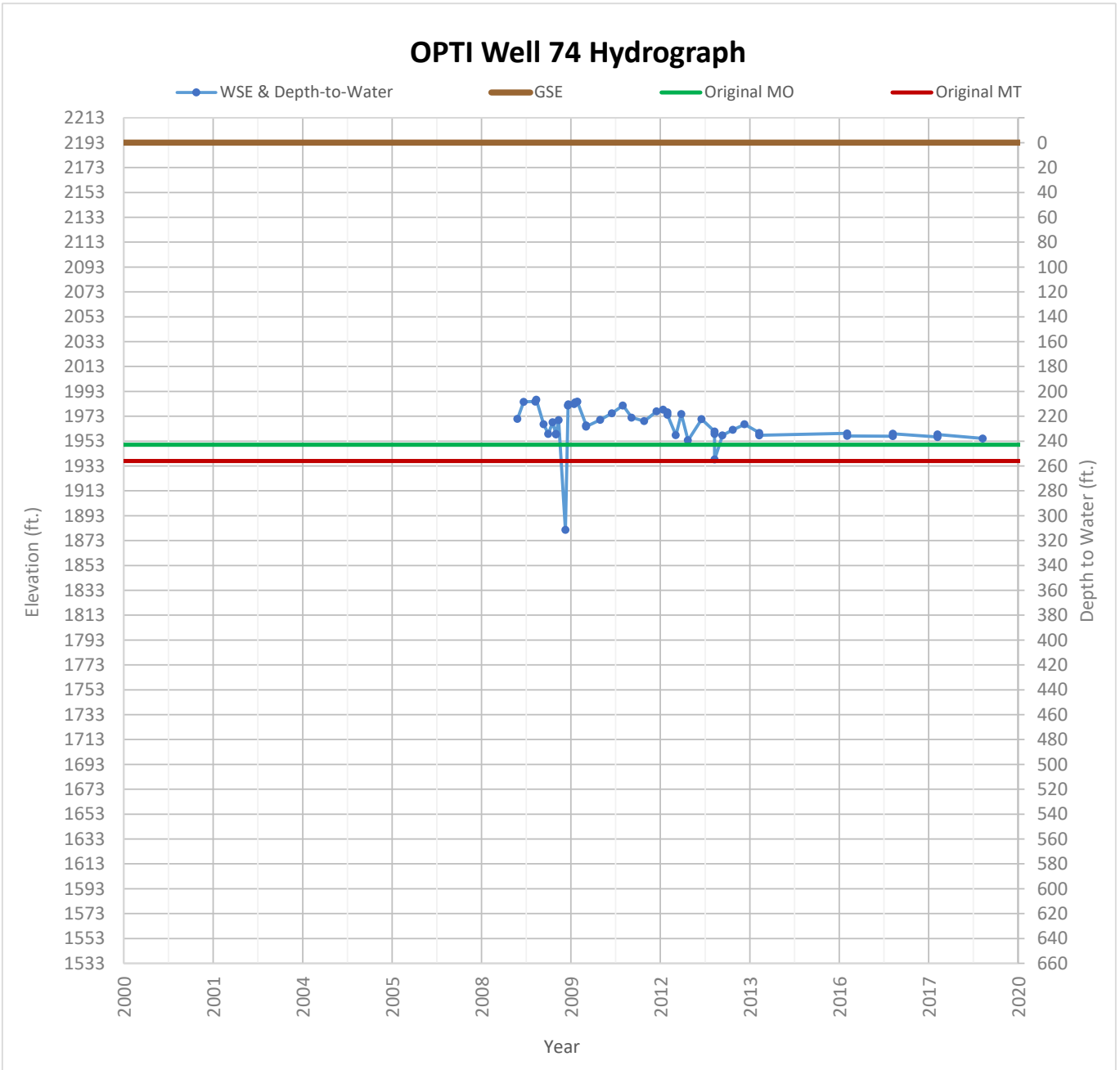


### OPTI Well 62 Hydrograph

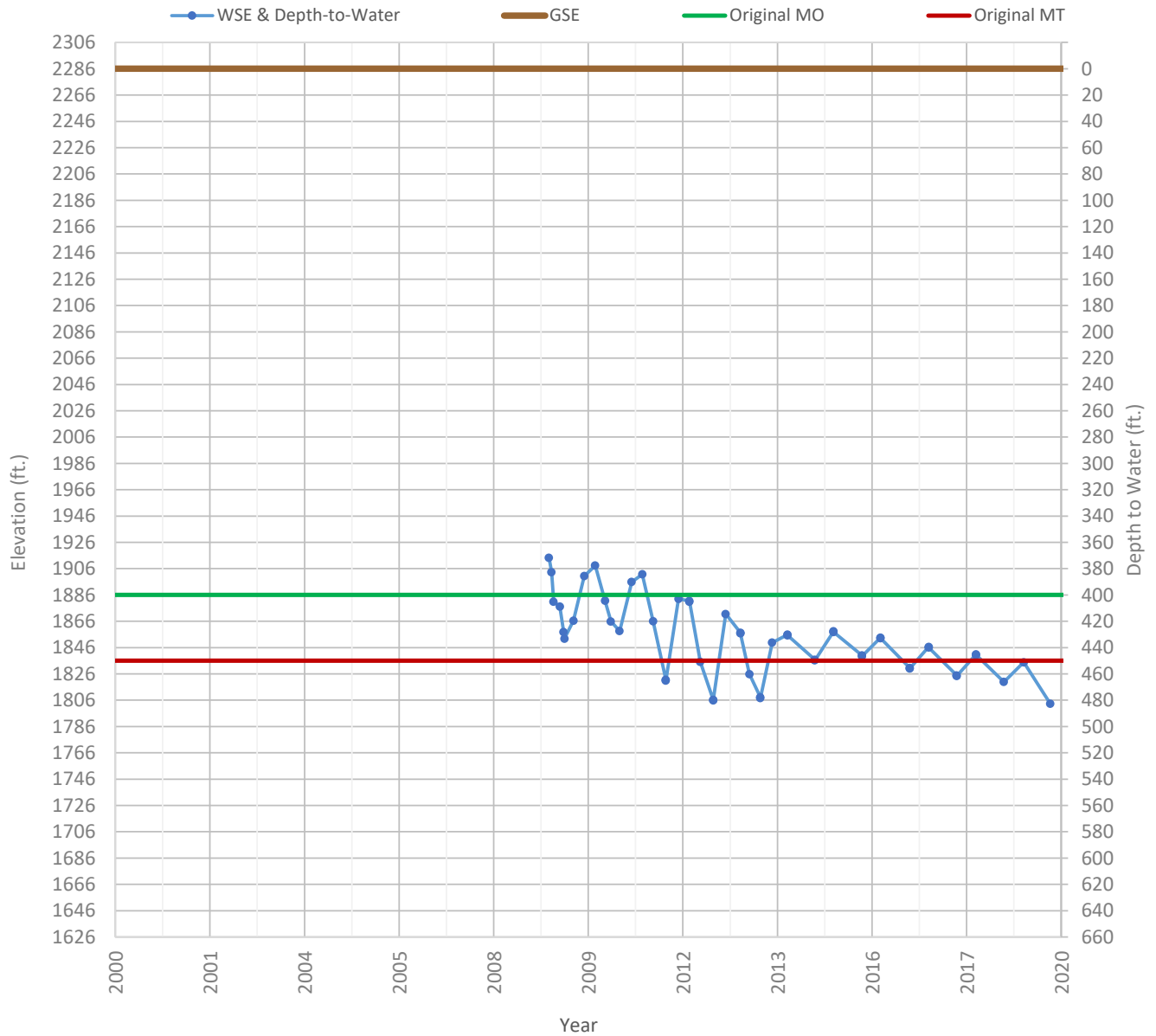






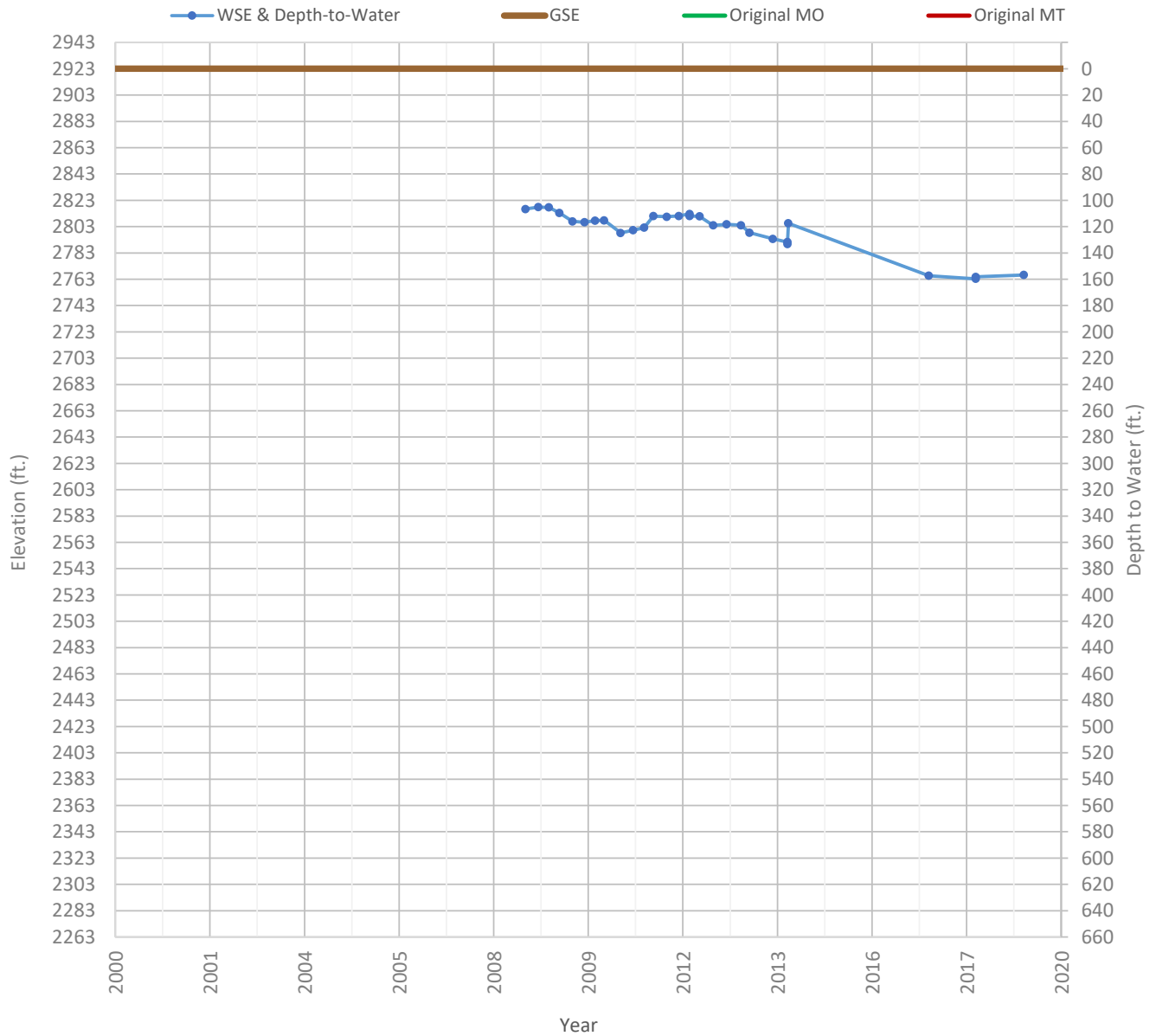


### OPTI Well 77 Hydrograph

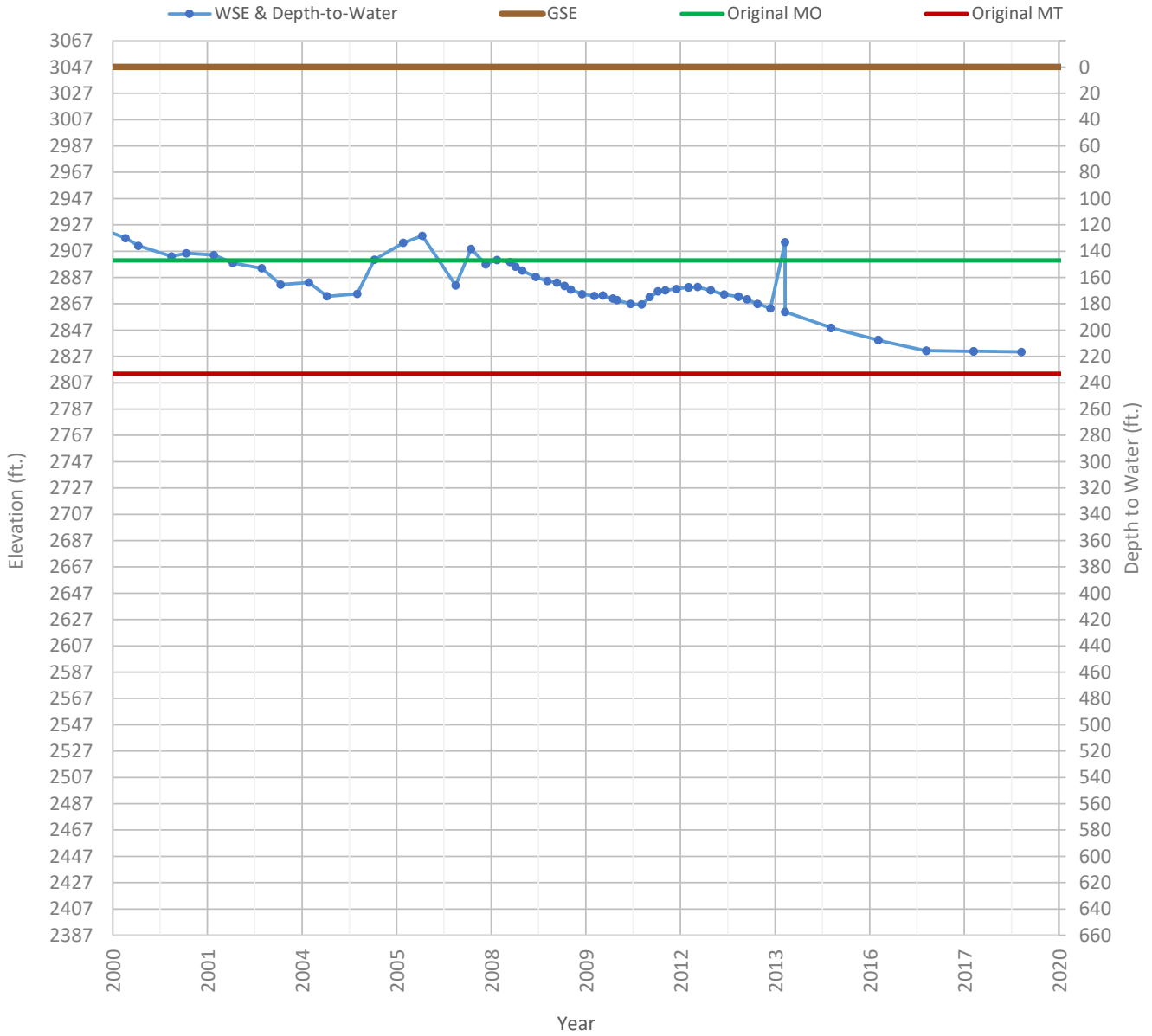




### OPTI Well 84 Hydrograph

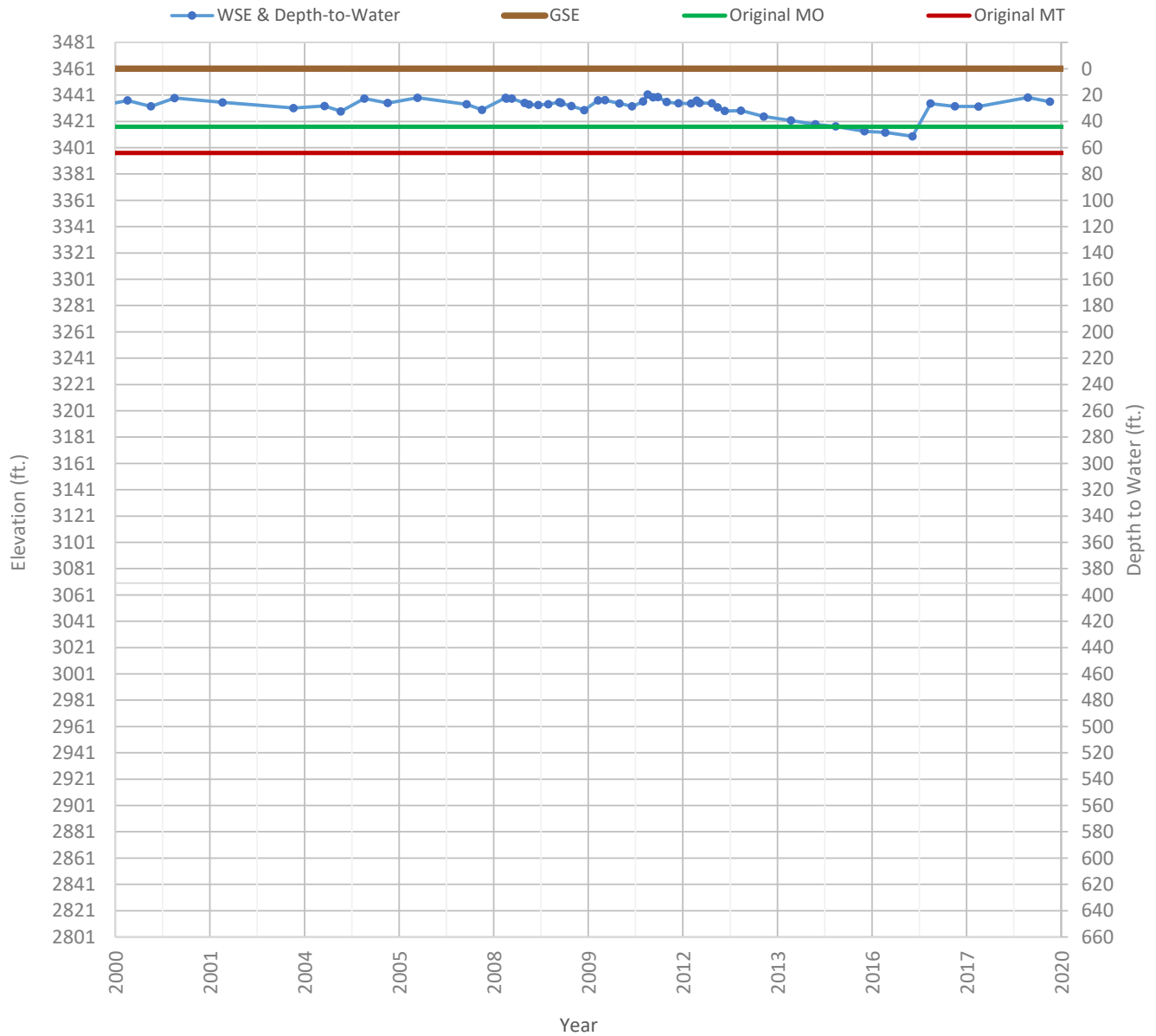


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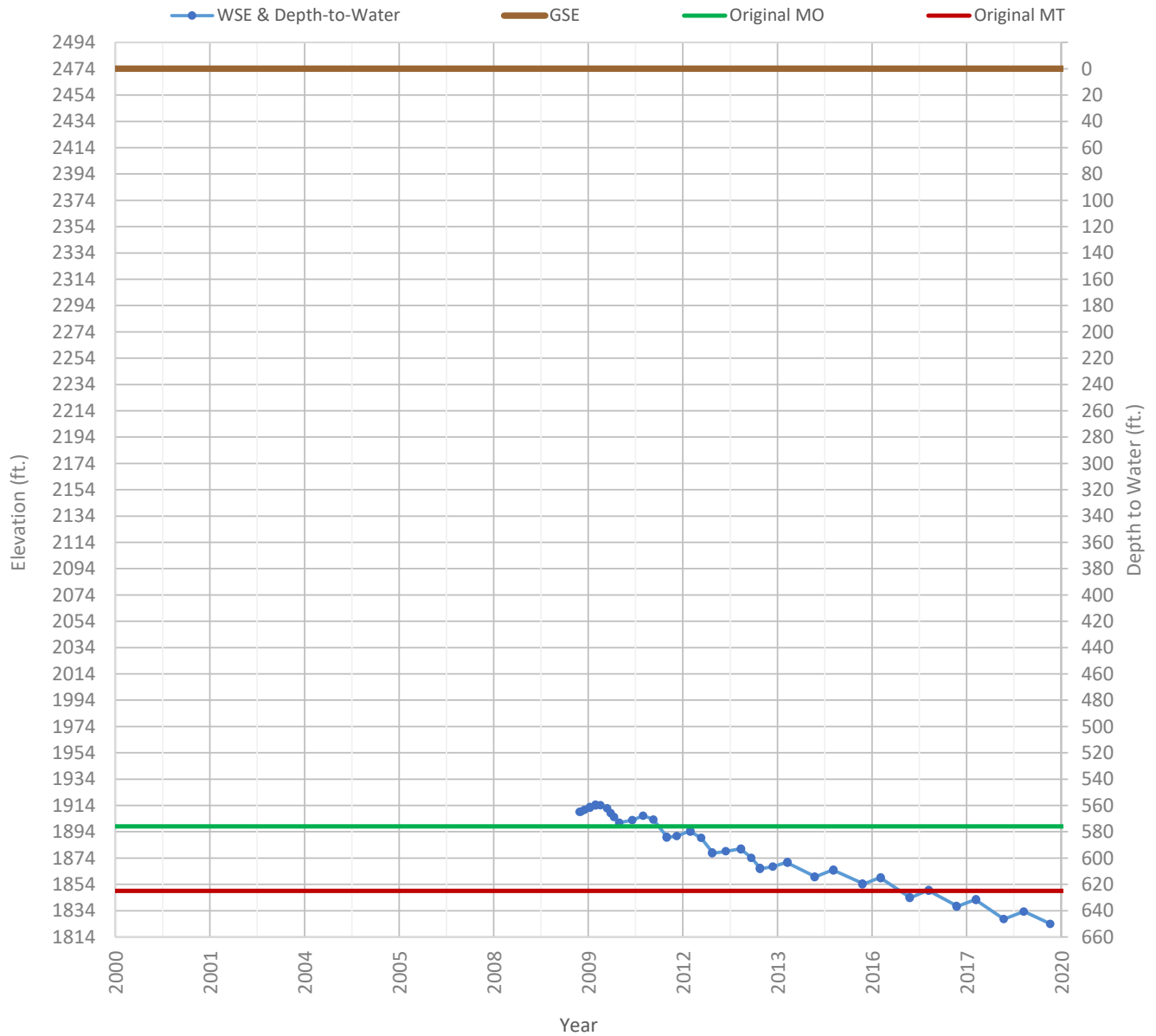




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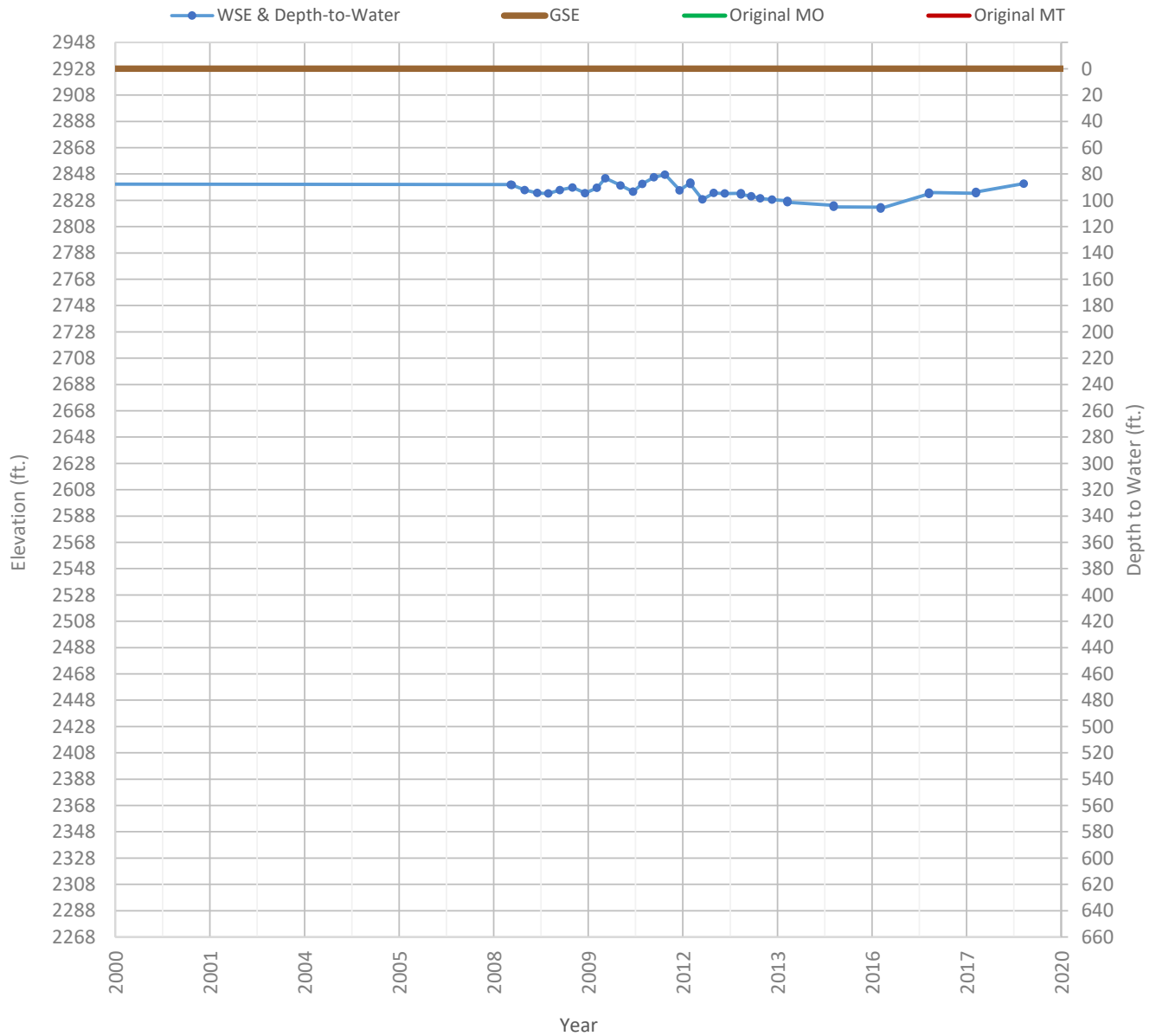


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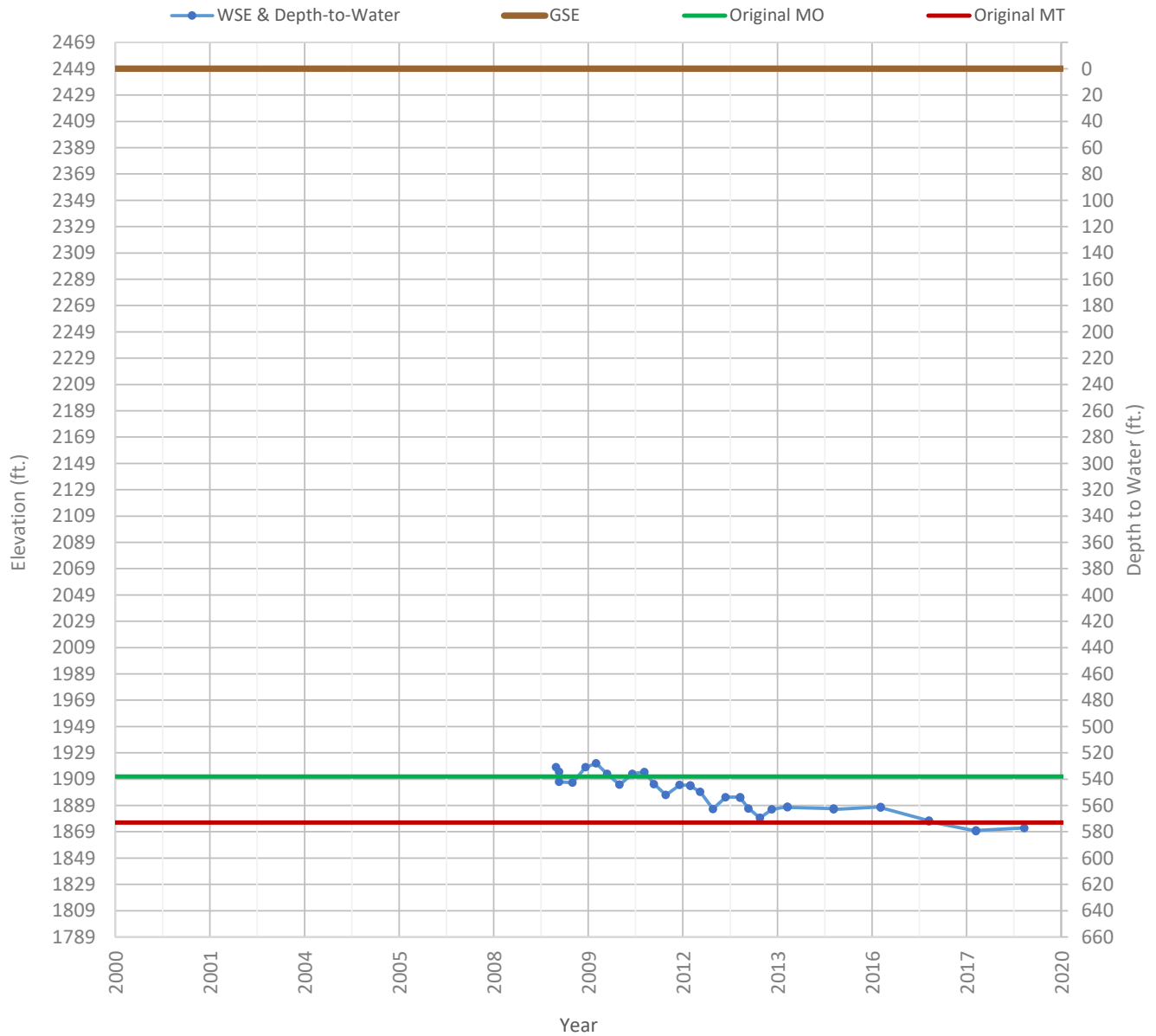




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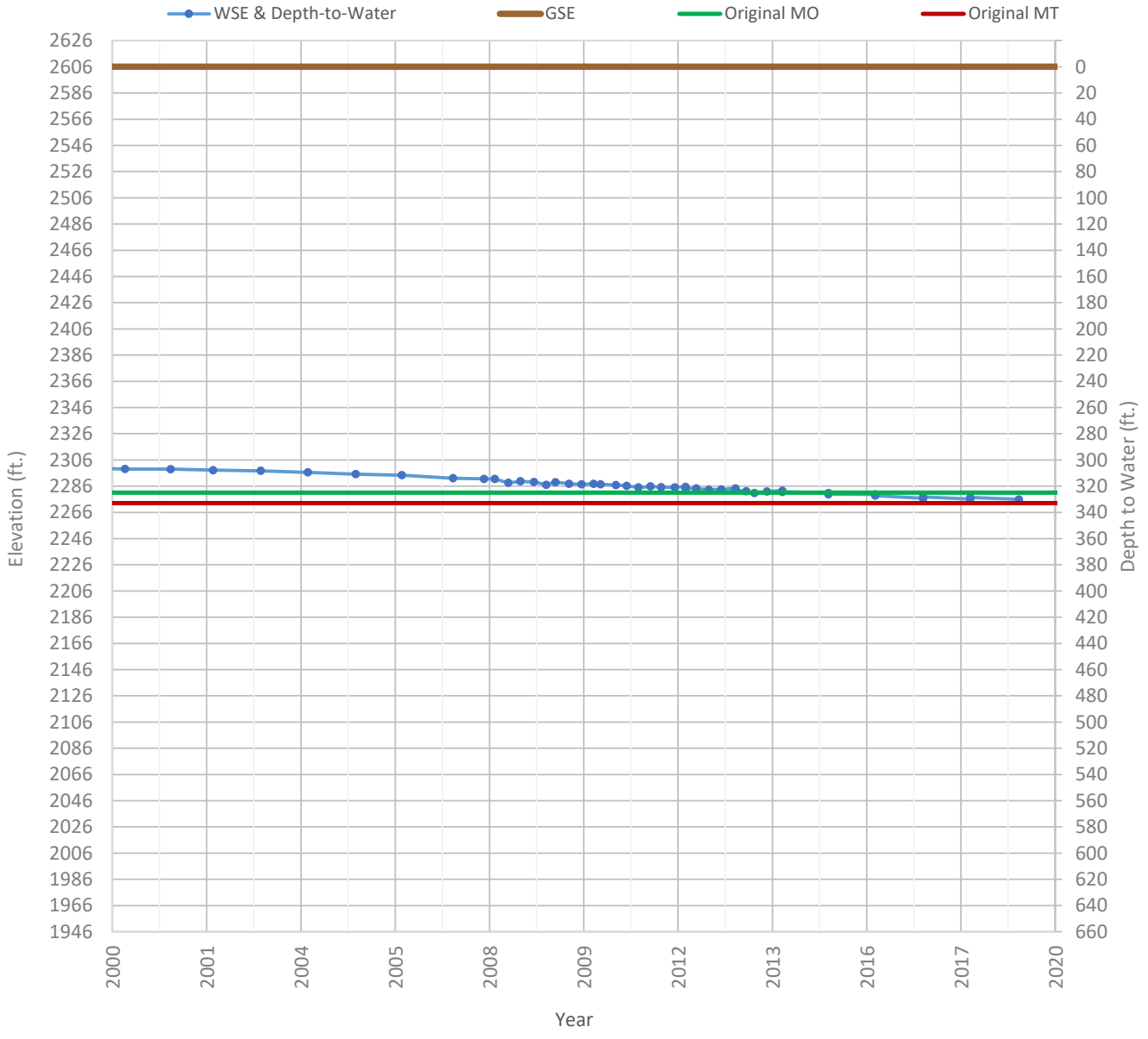


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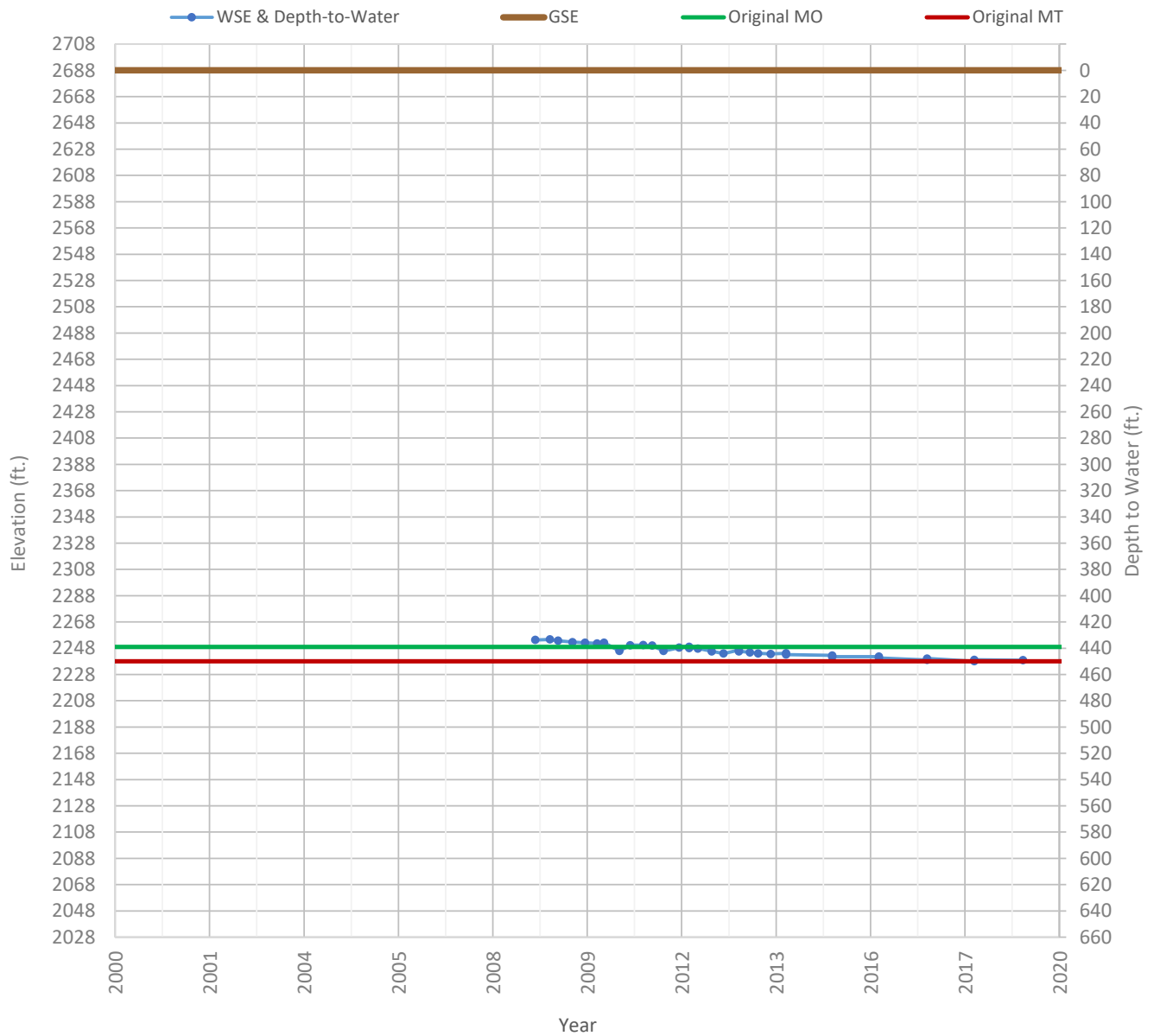




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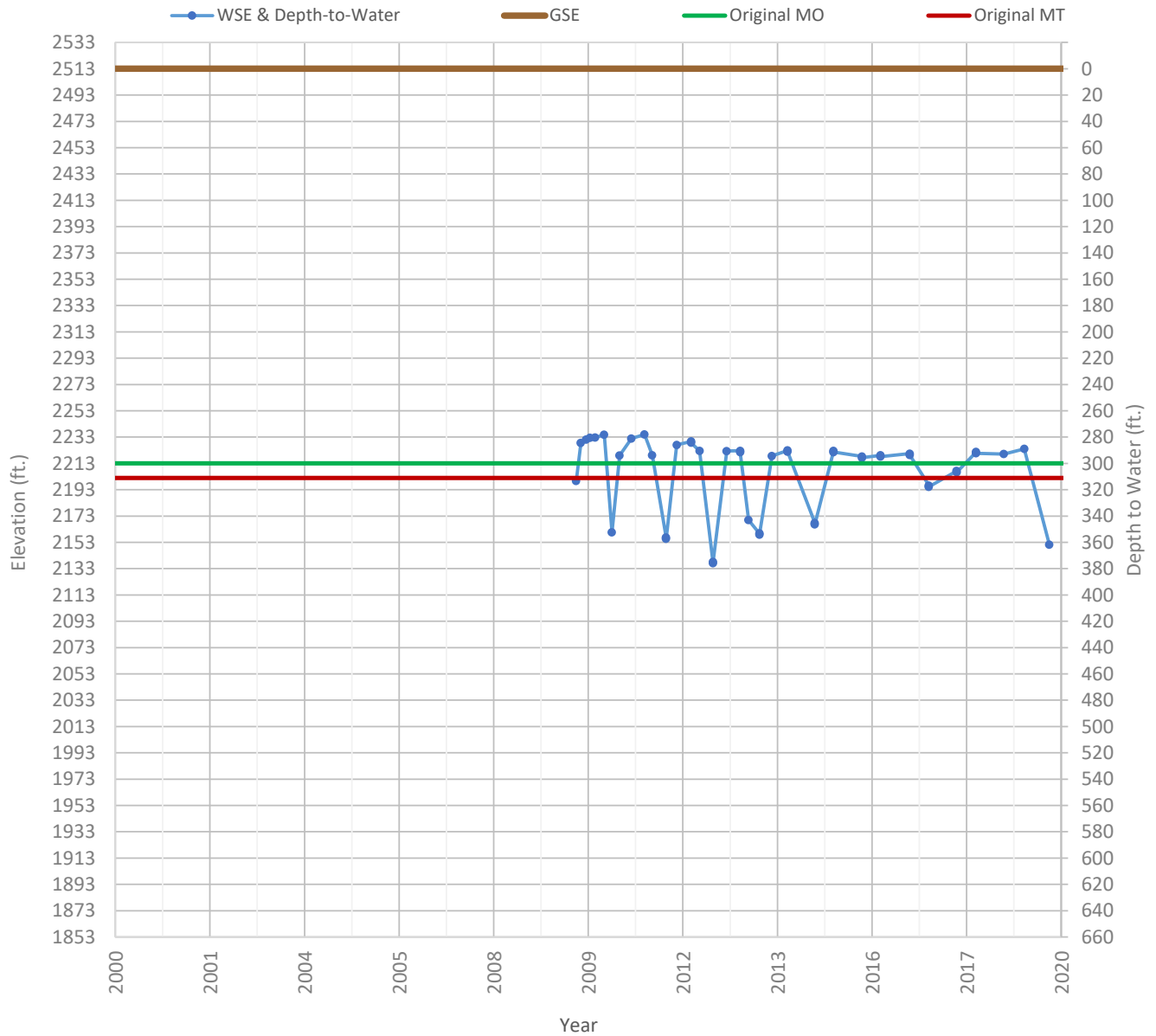


### OPTI Well 98 Hydrograph

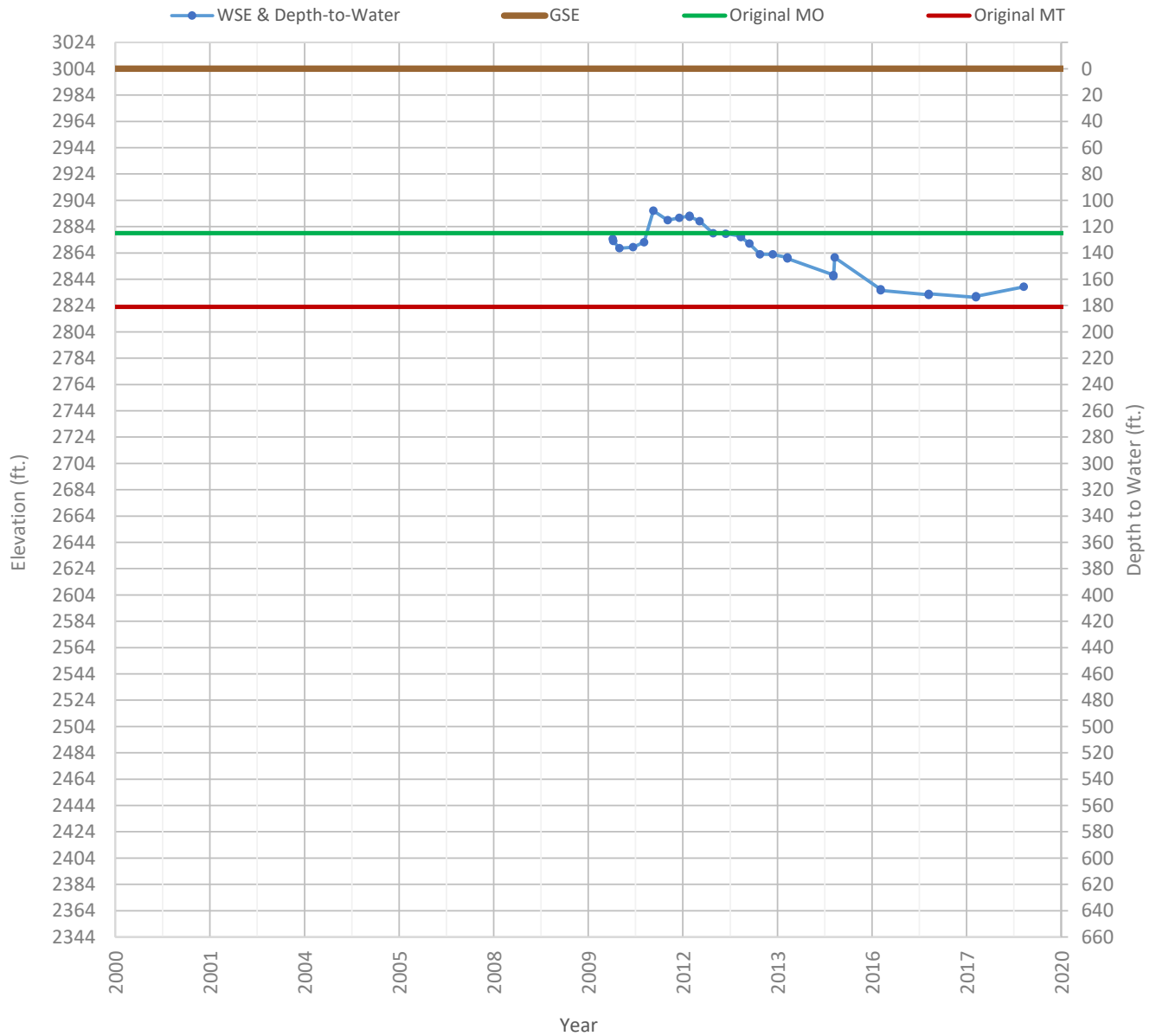




### OPTI Well 99 Hydrograph

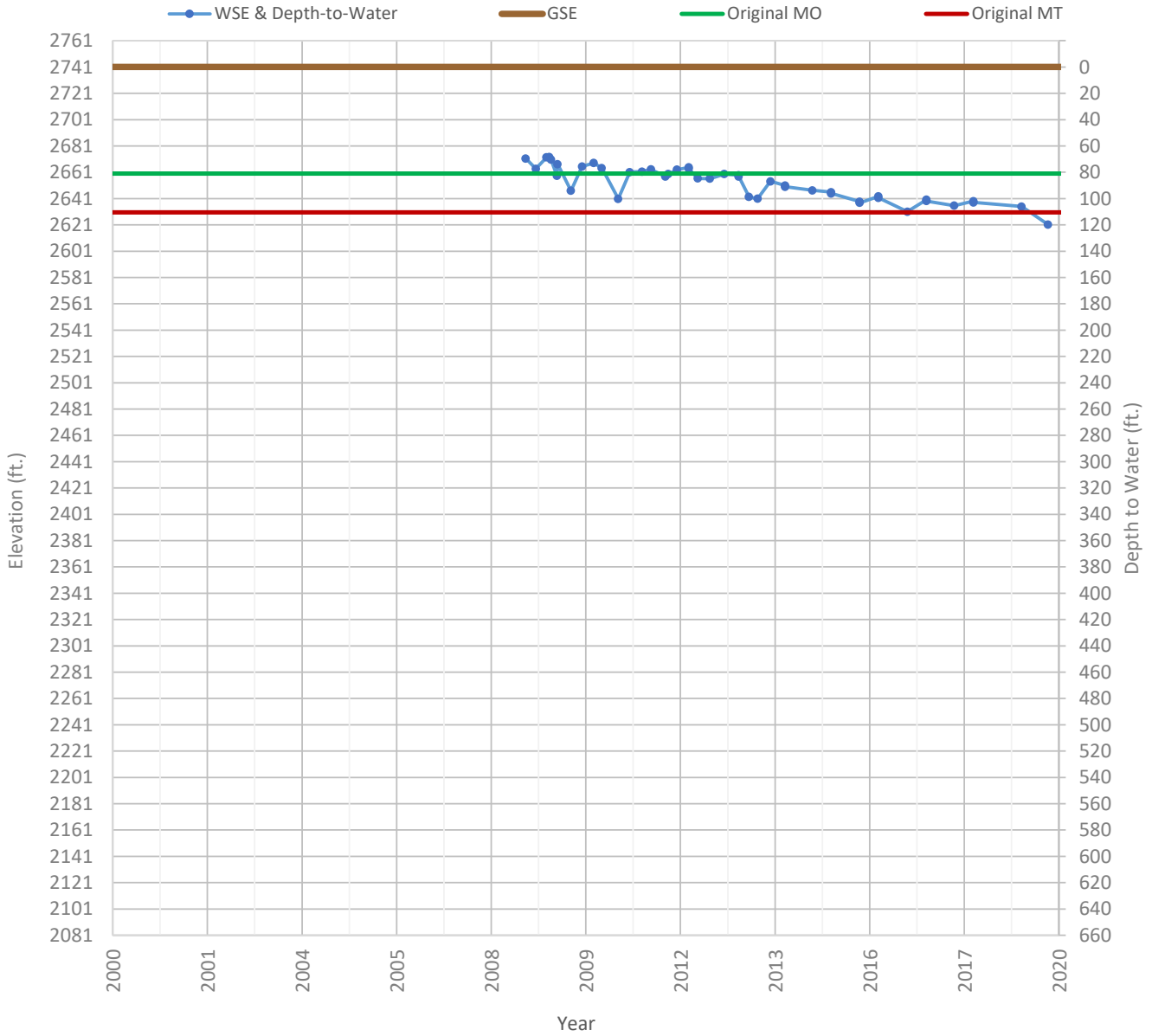


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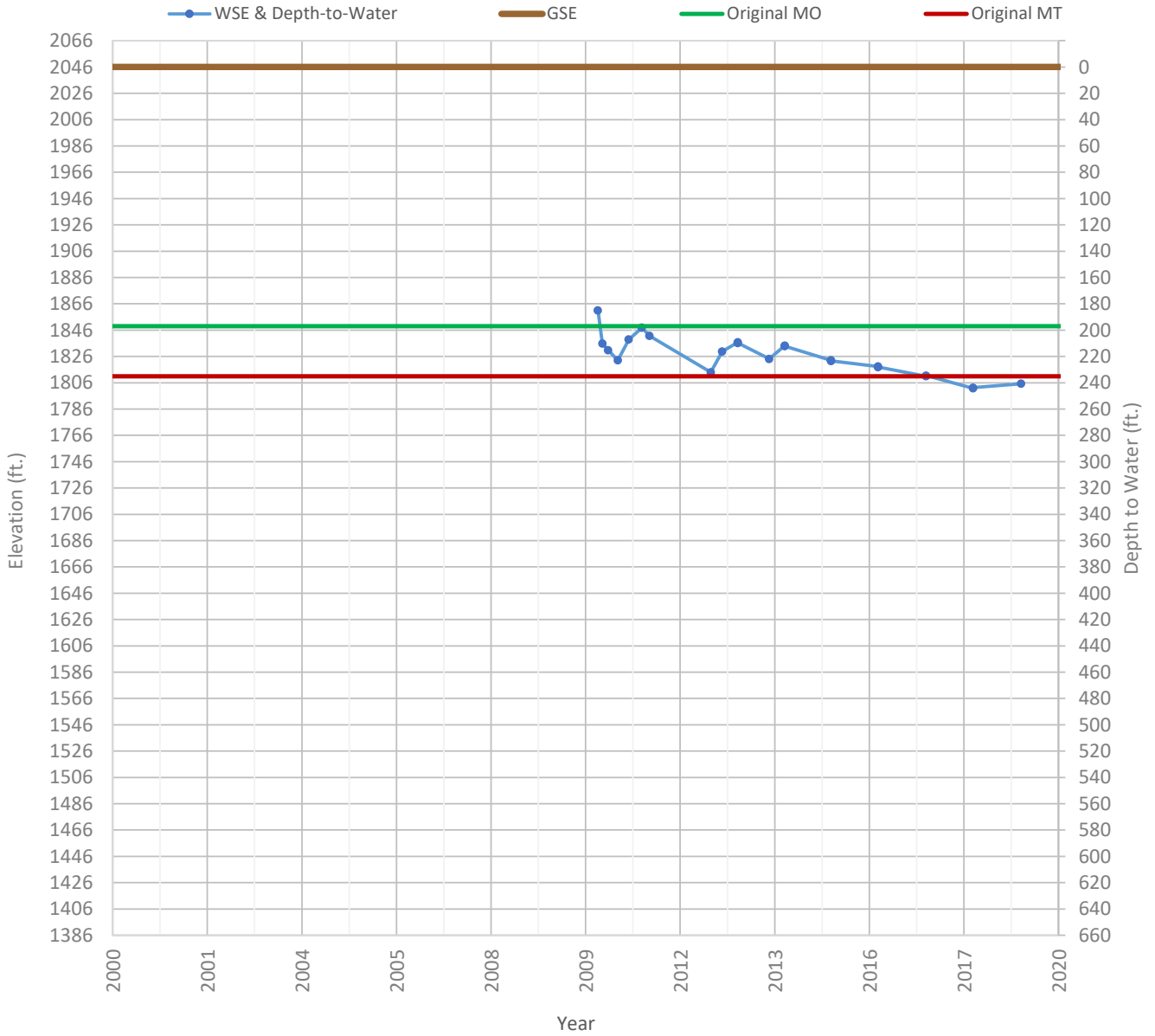




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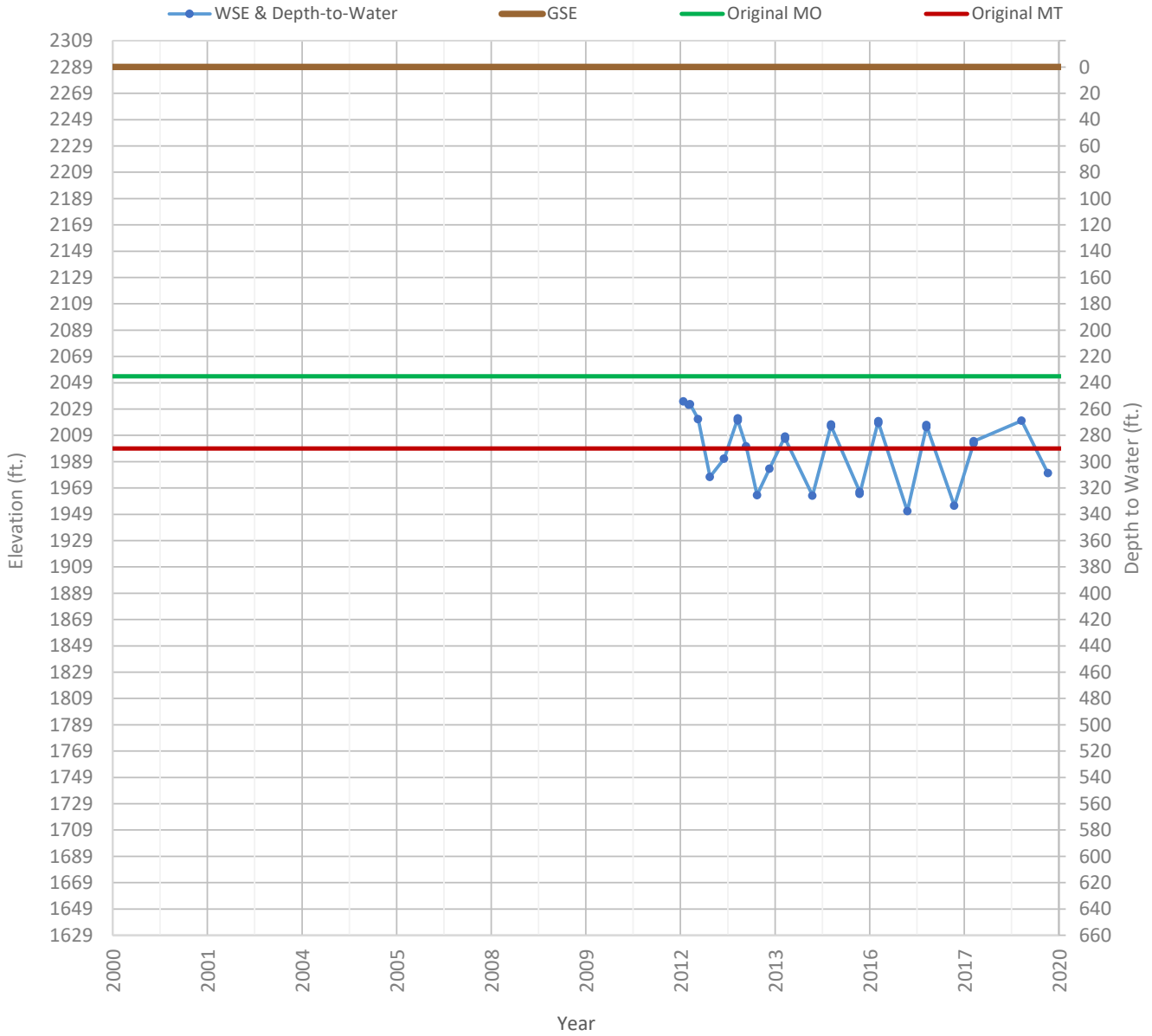


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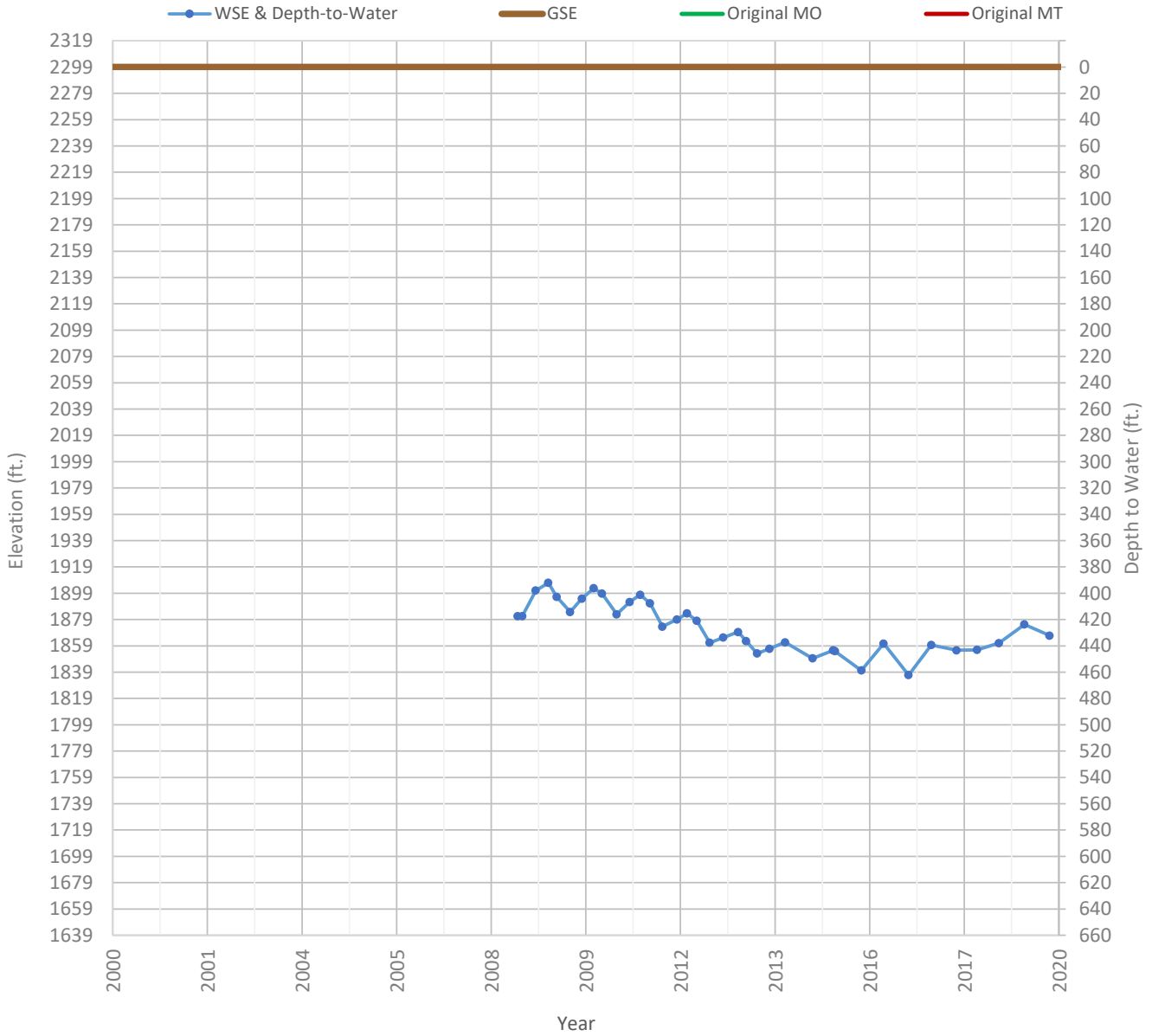




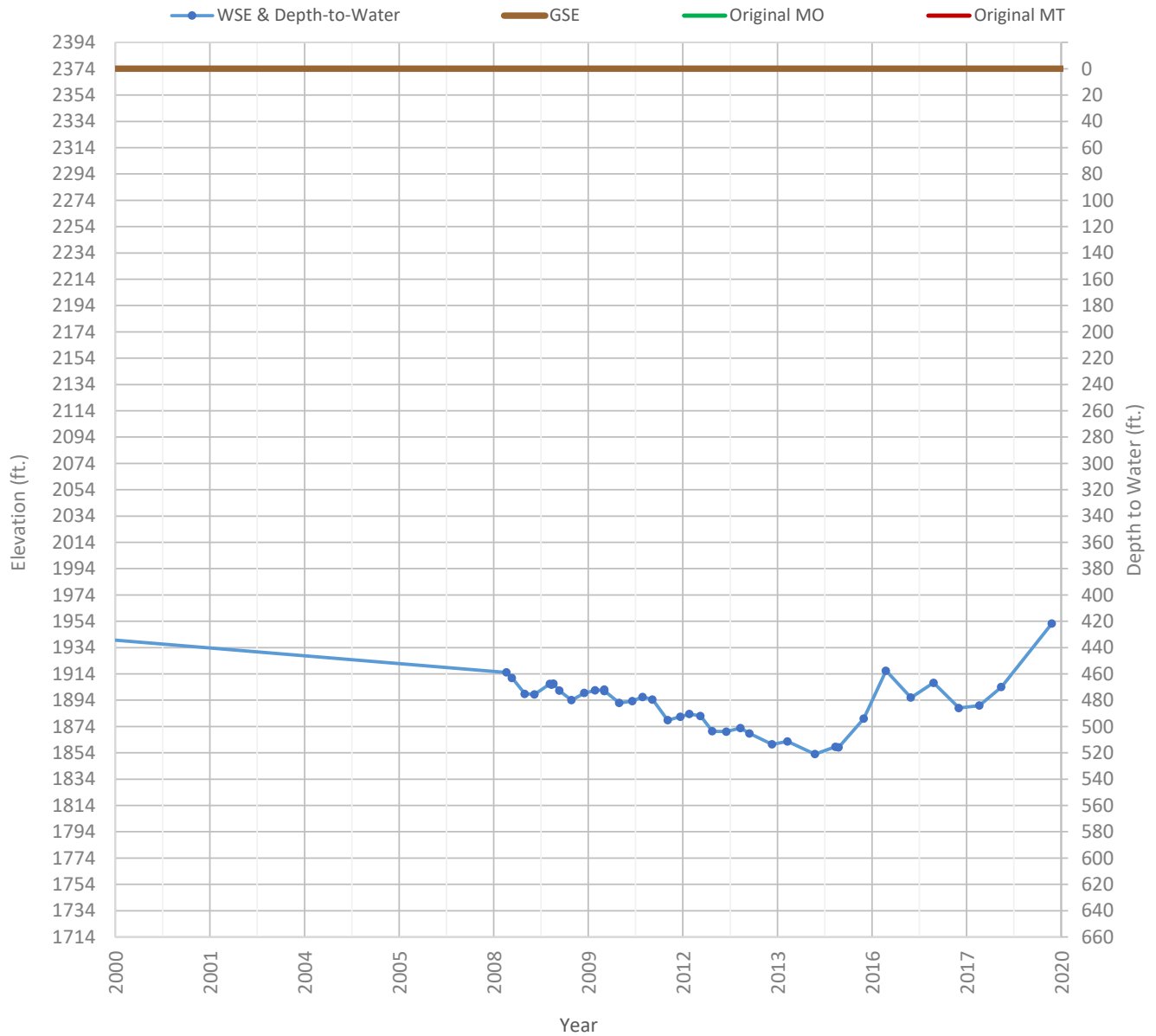
### OPTI Well 103 Hydrograph



### OPTI Well 104 Hydrograph

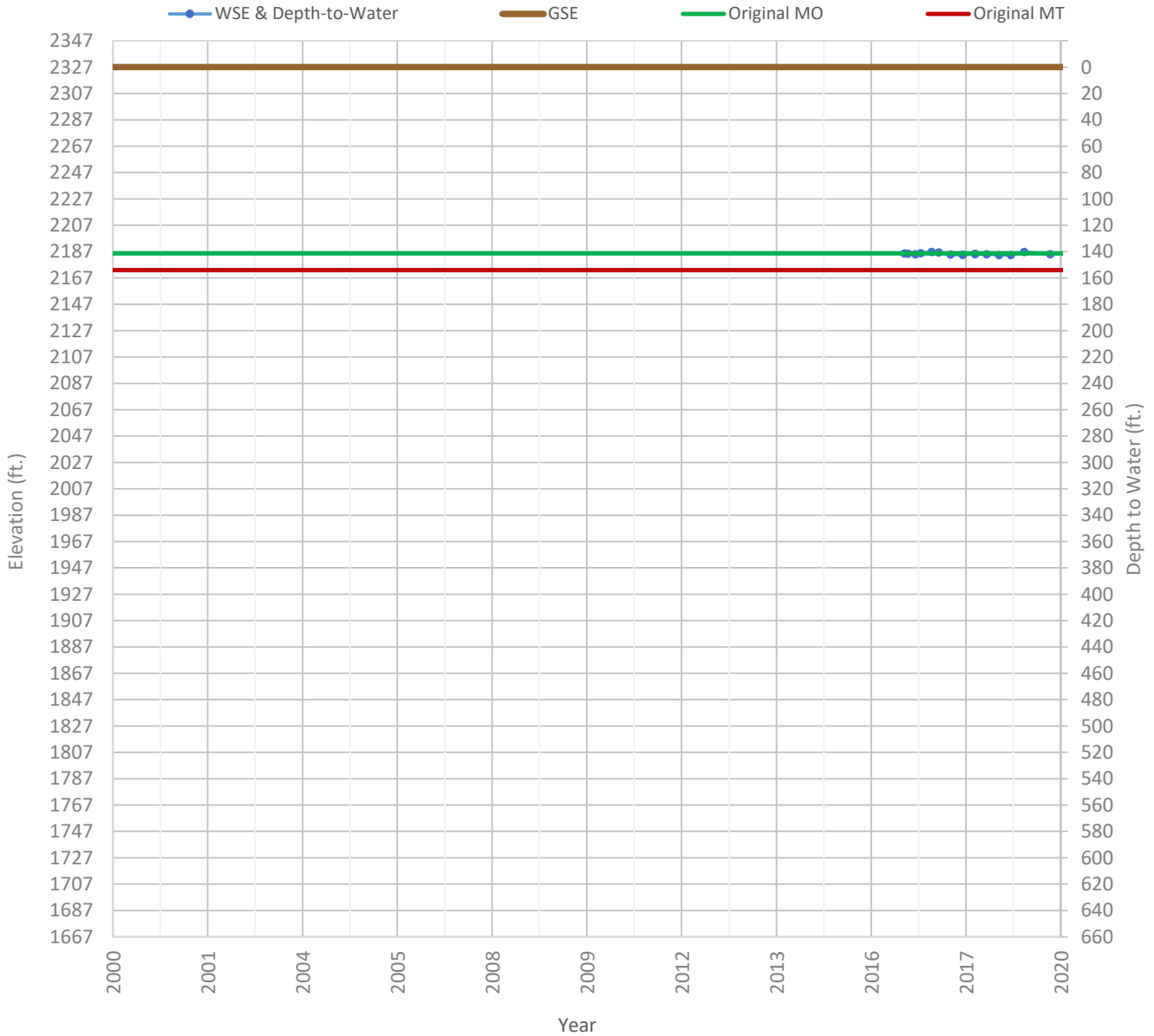


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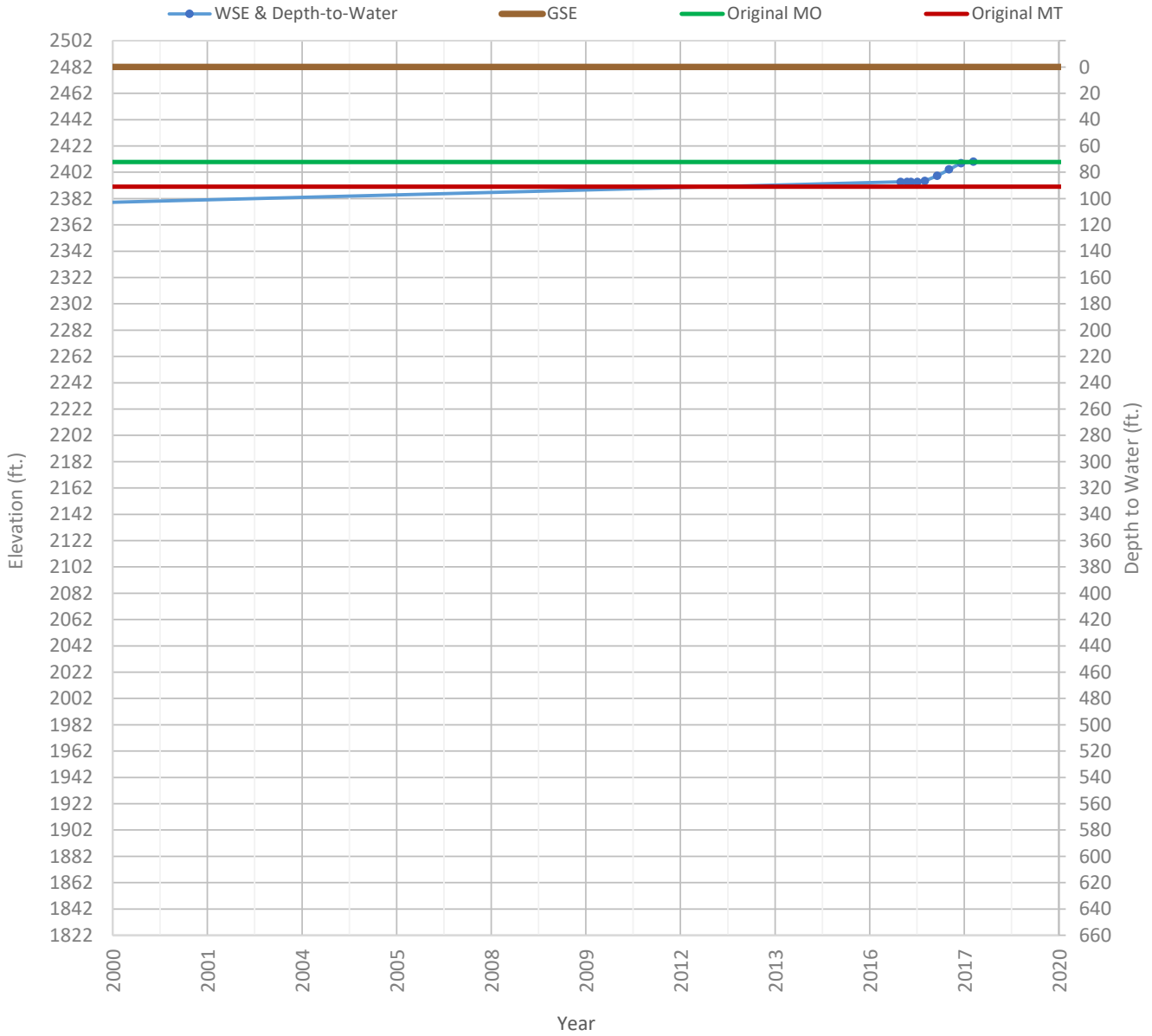




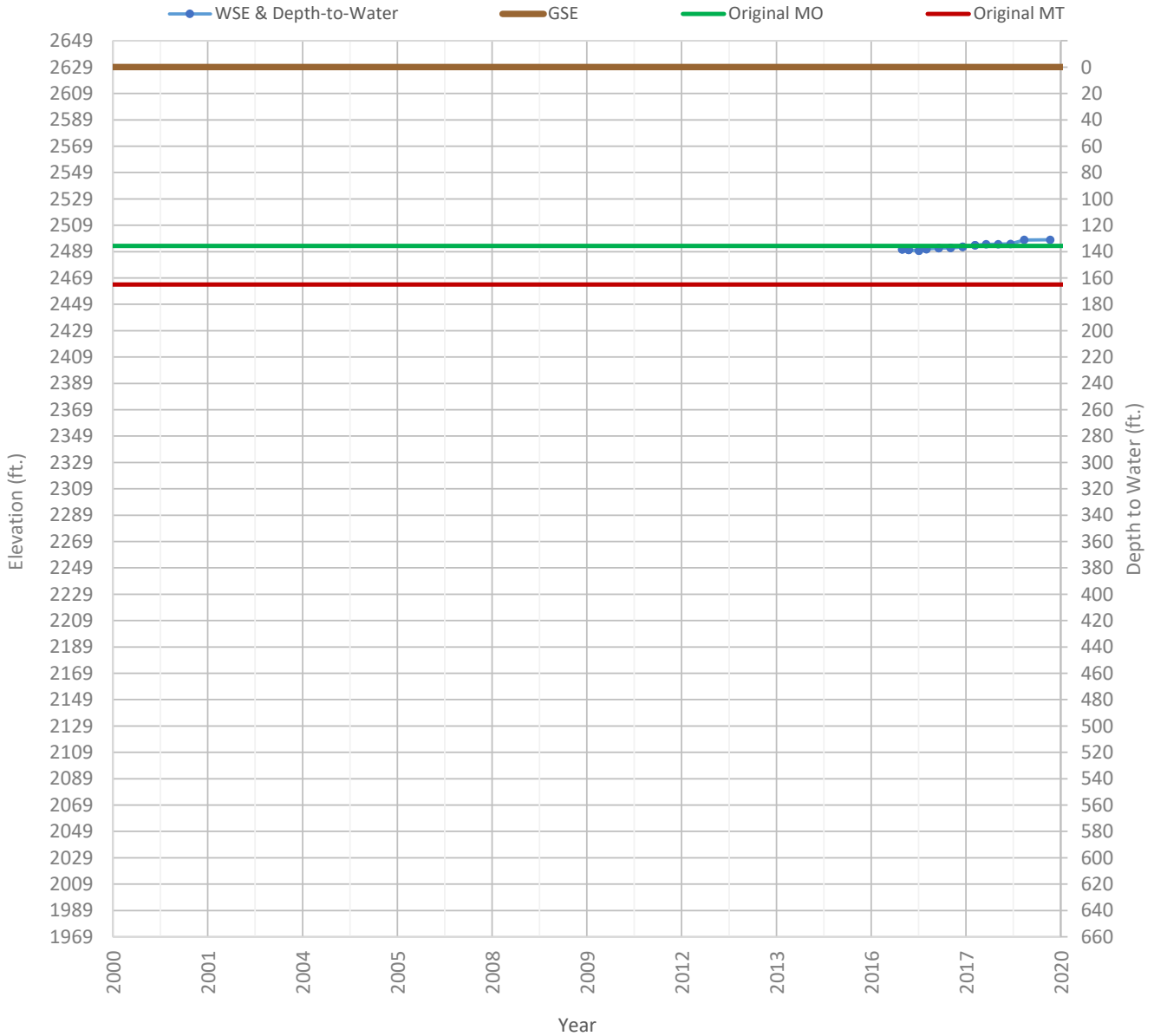
### OPTI Well 106 Hydrograph



### OPTI Well 107 Hydrograph

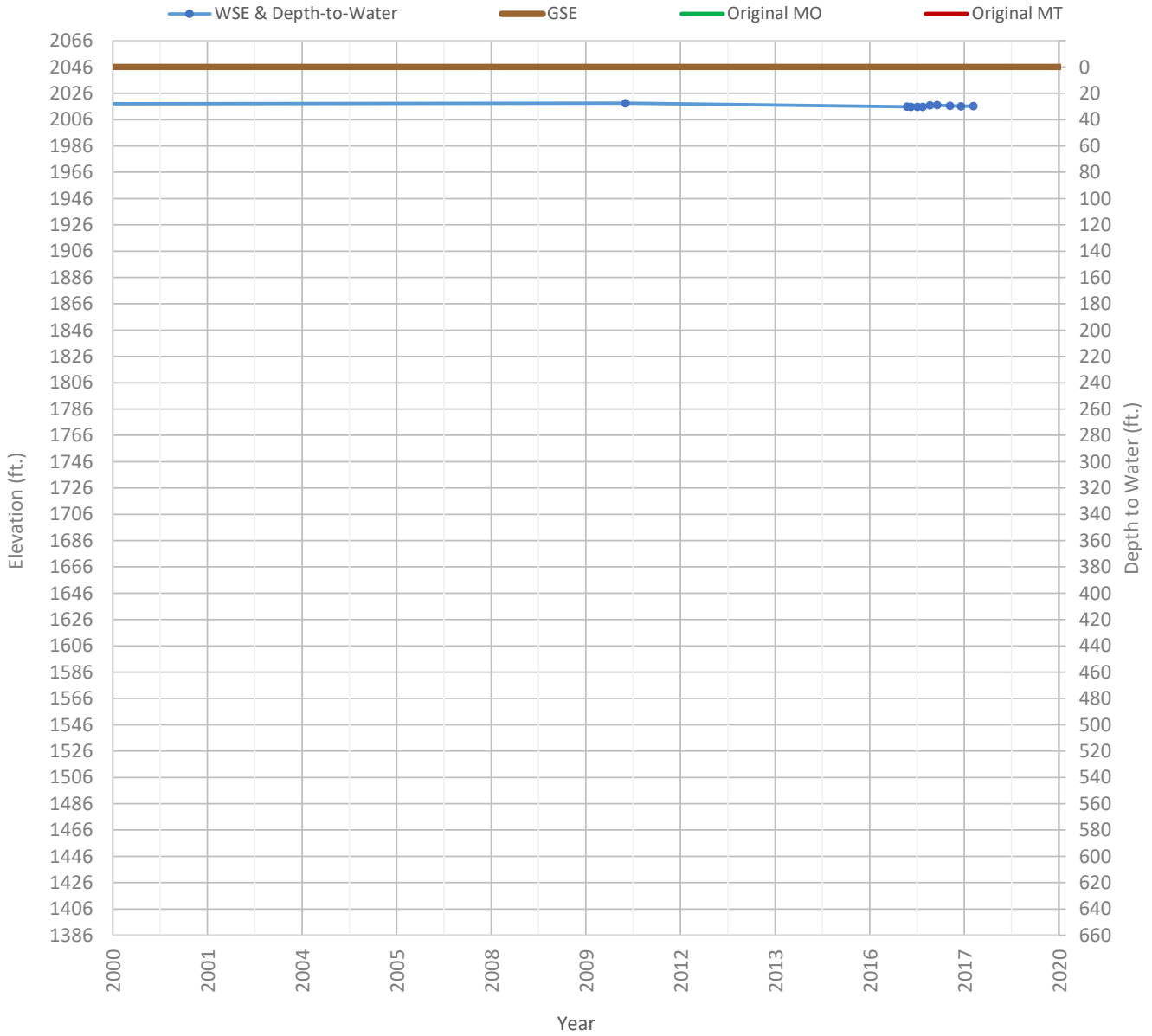


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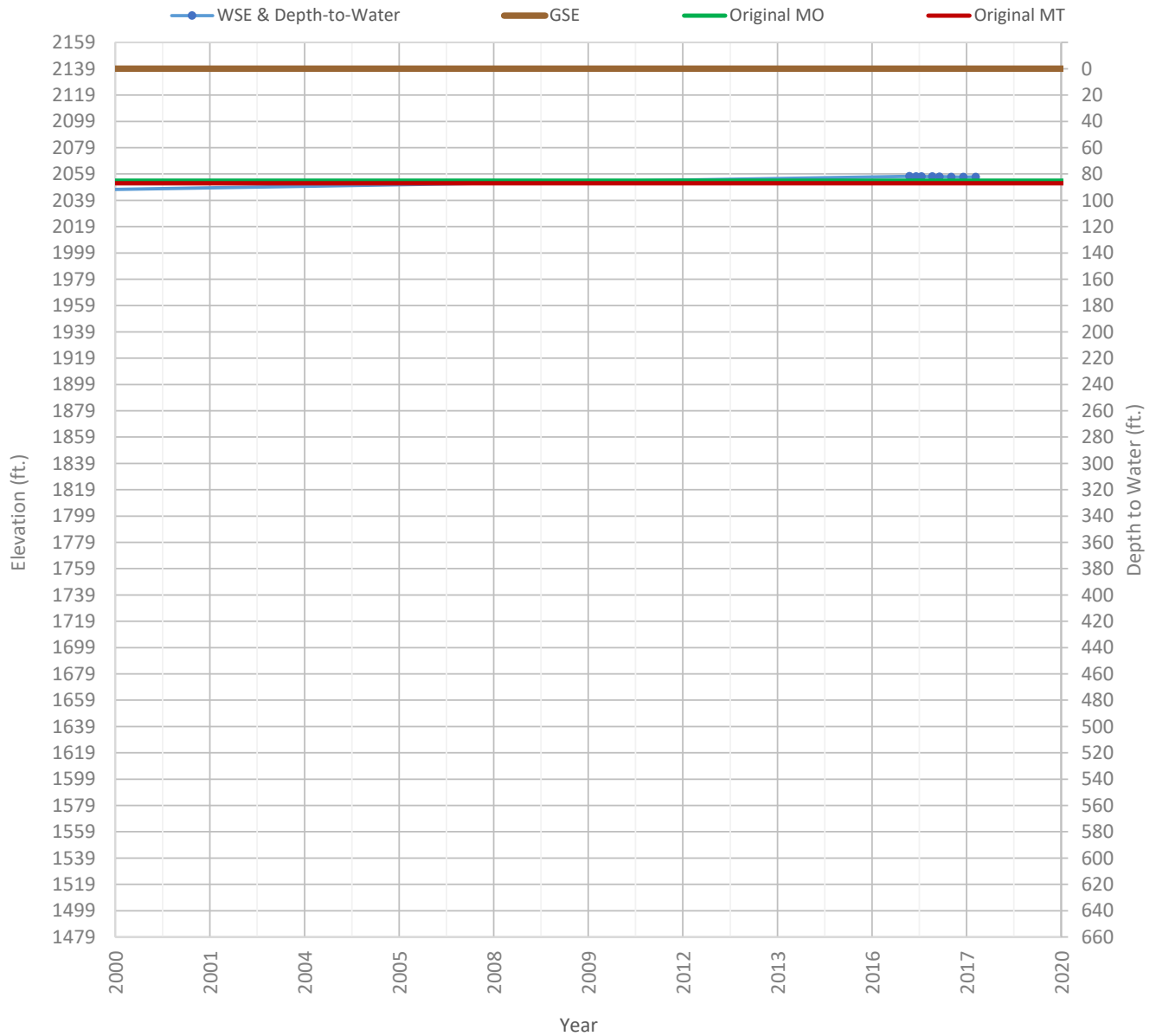




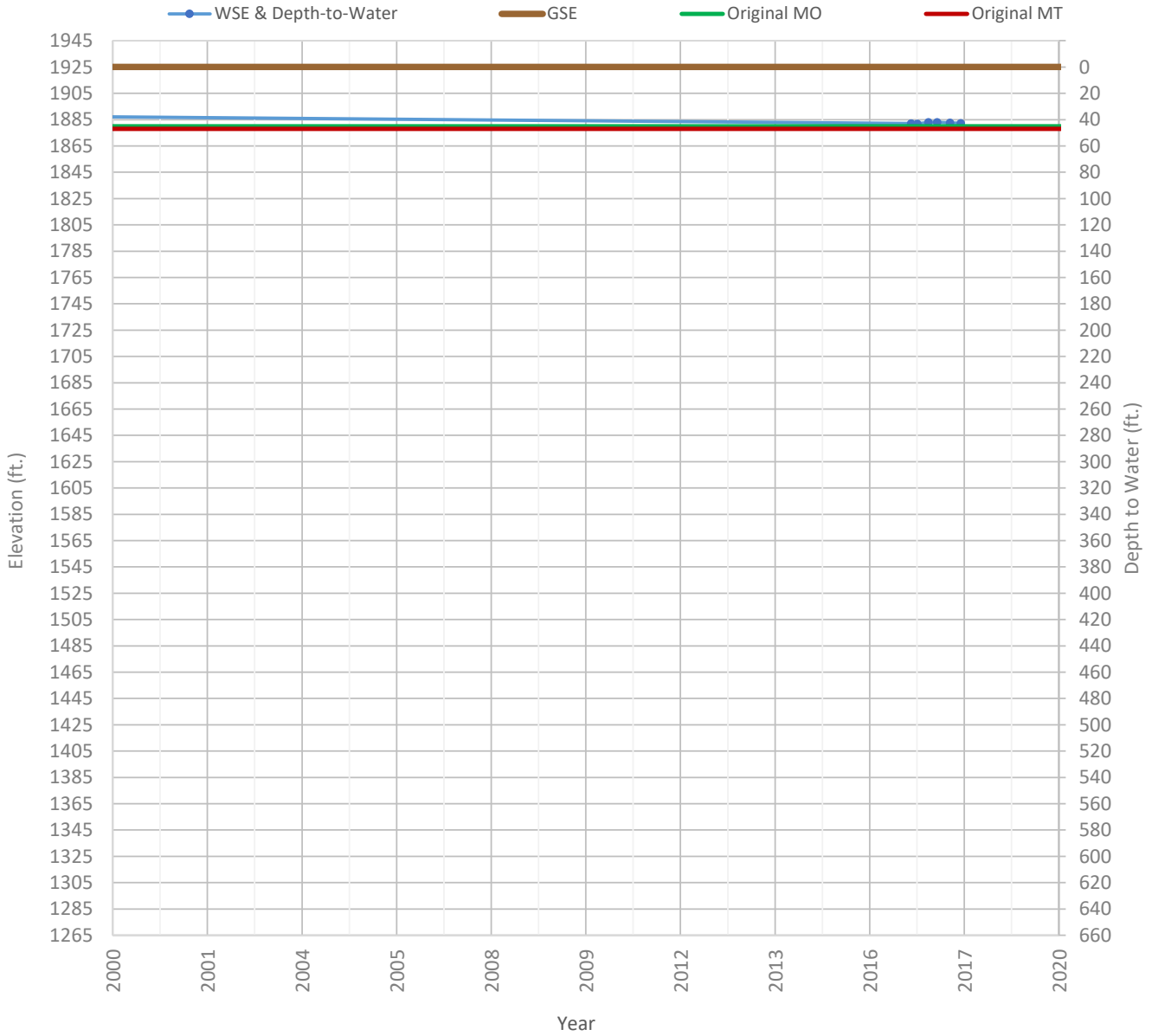
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### OPTI Well 112 Hydrograph

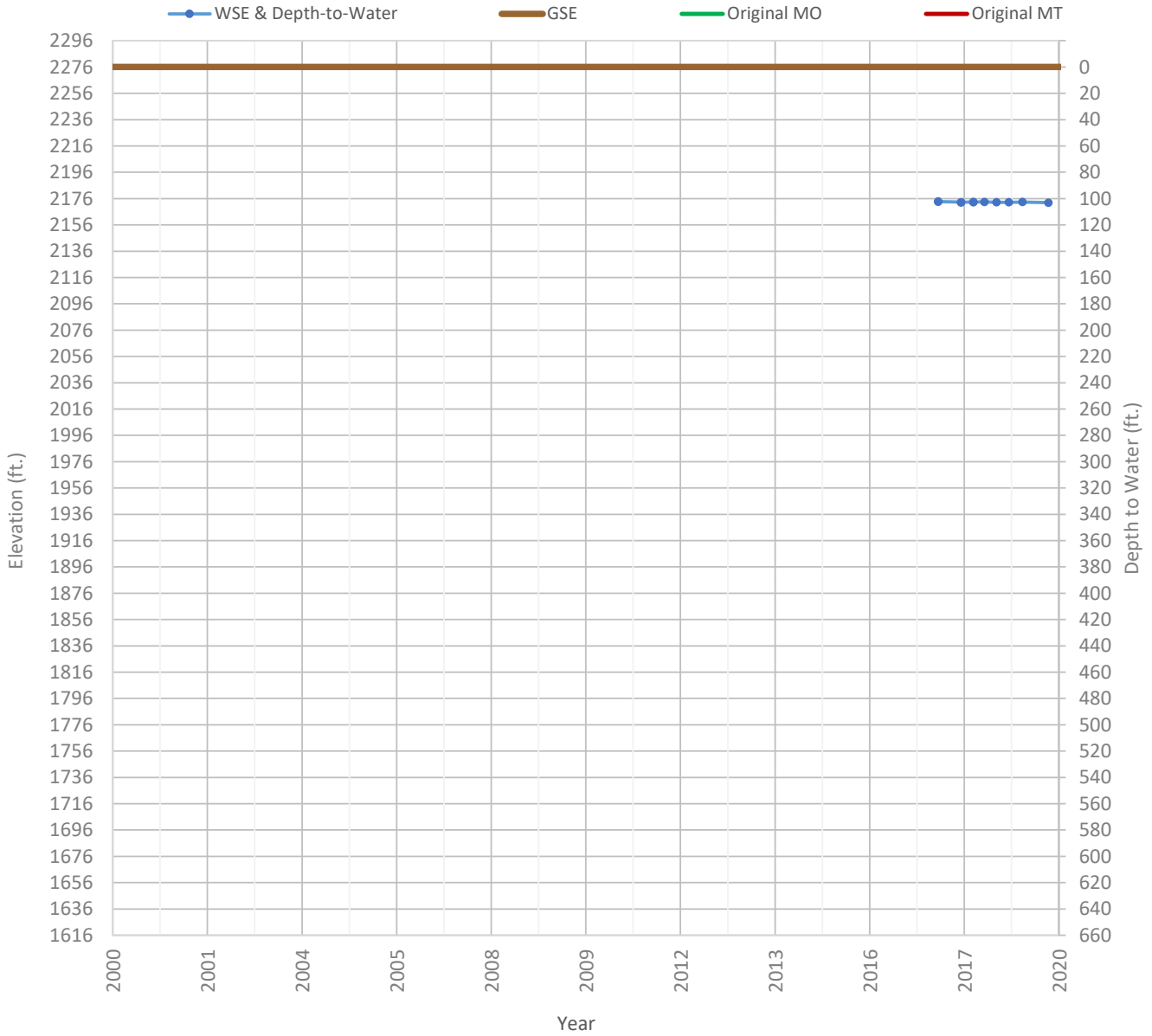


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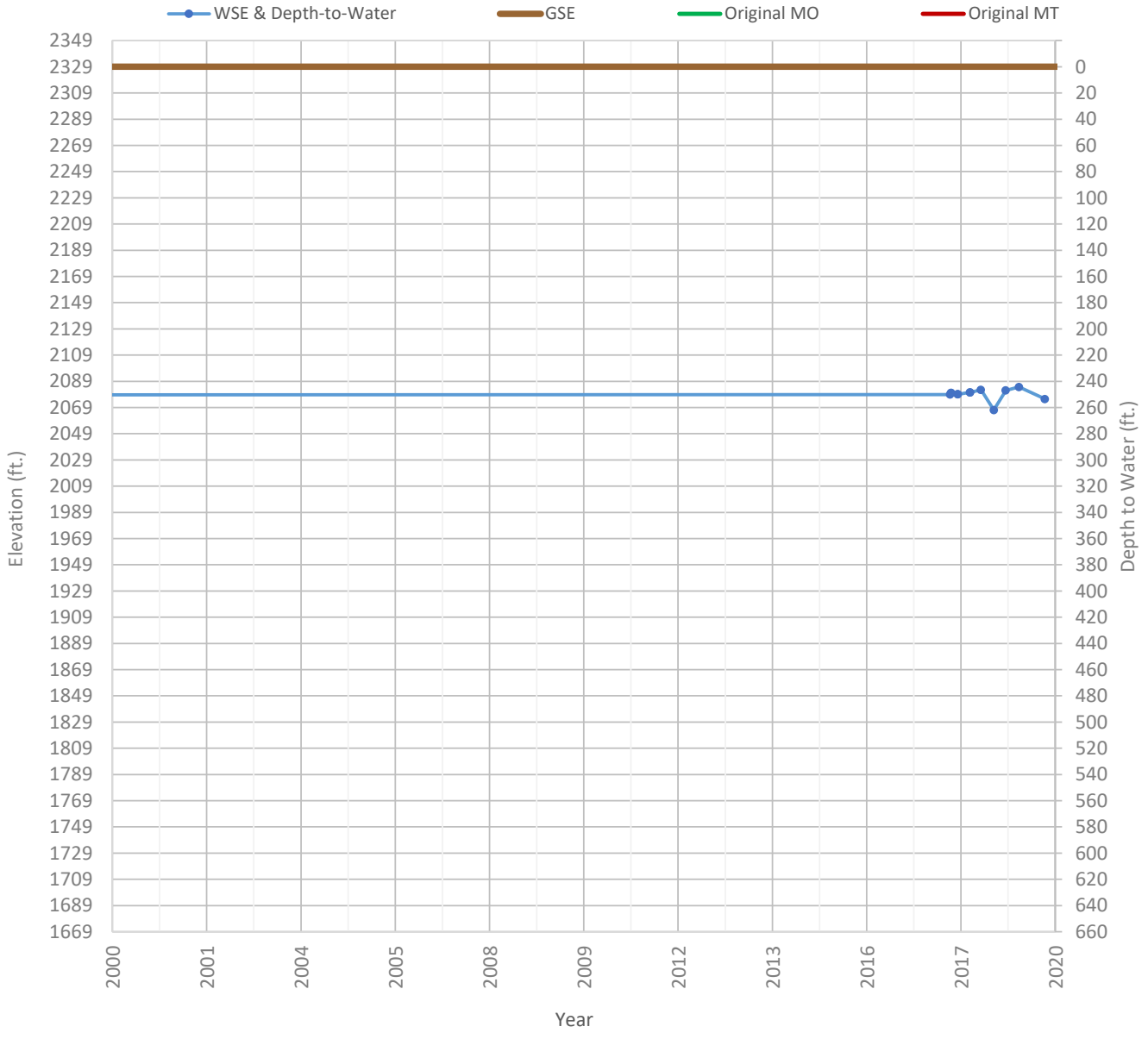




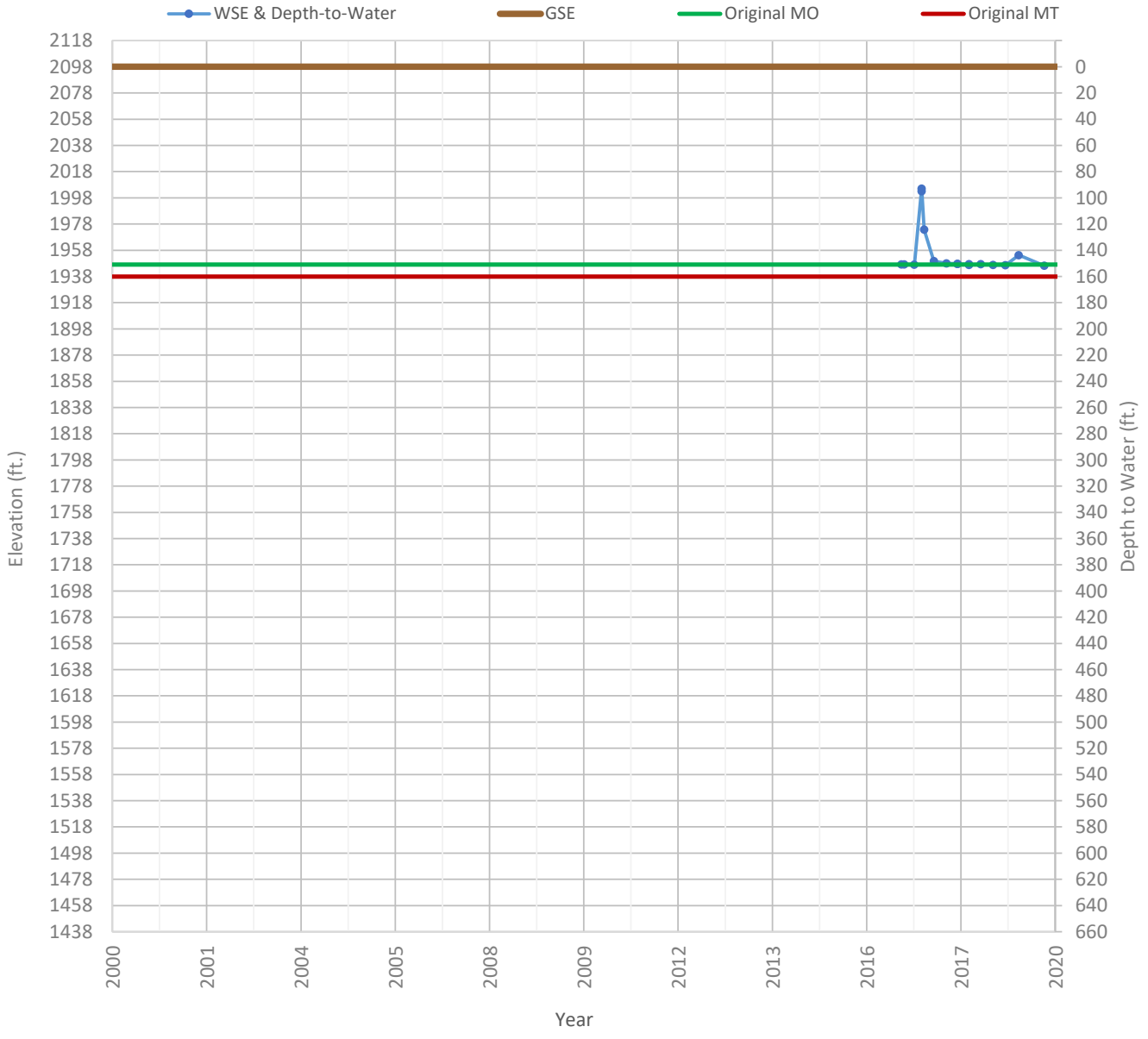
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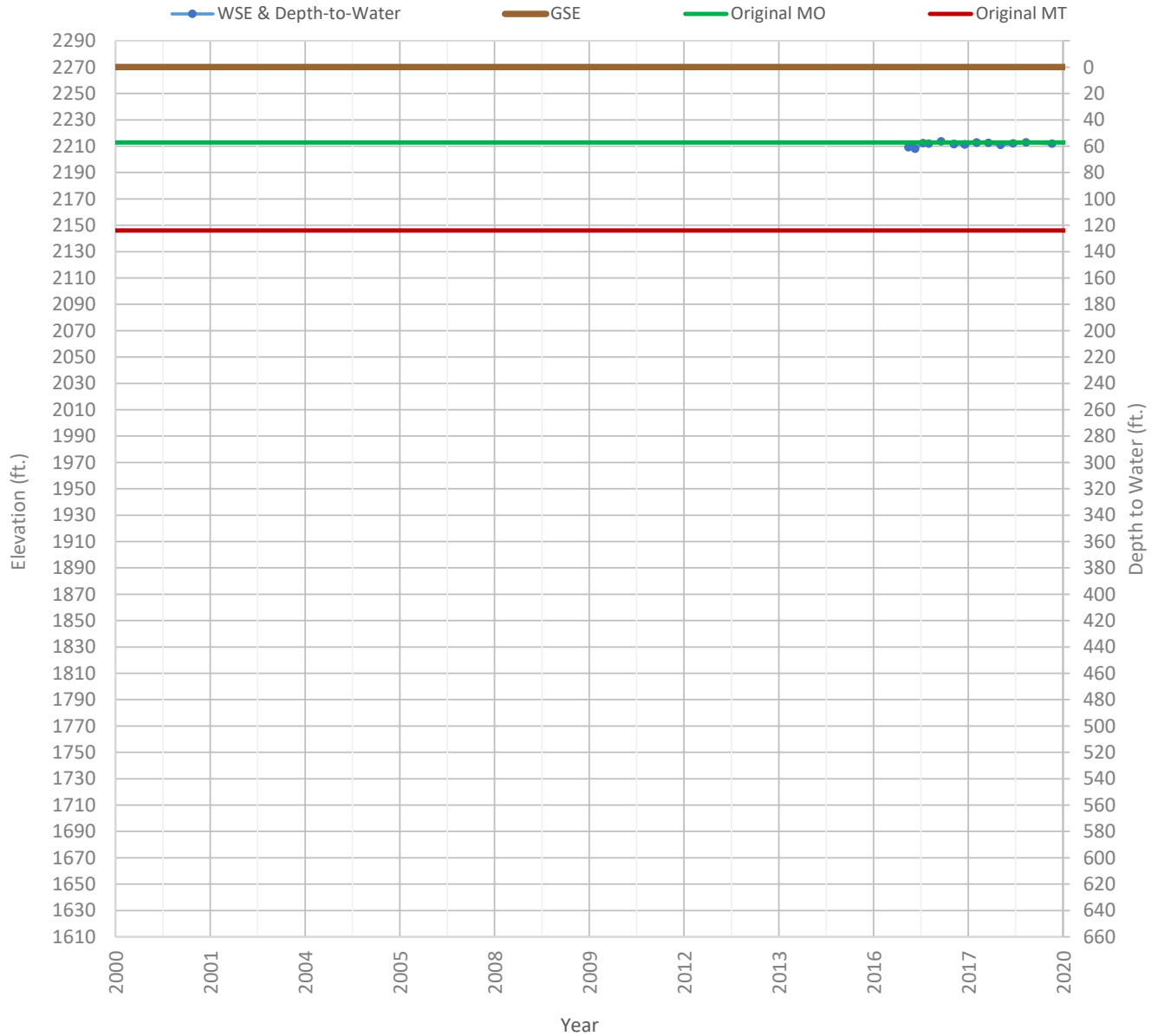


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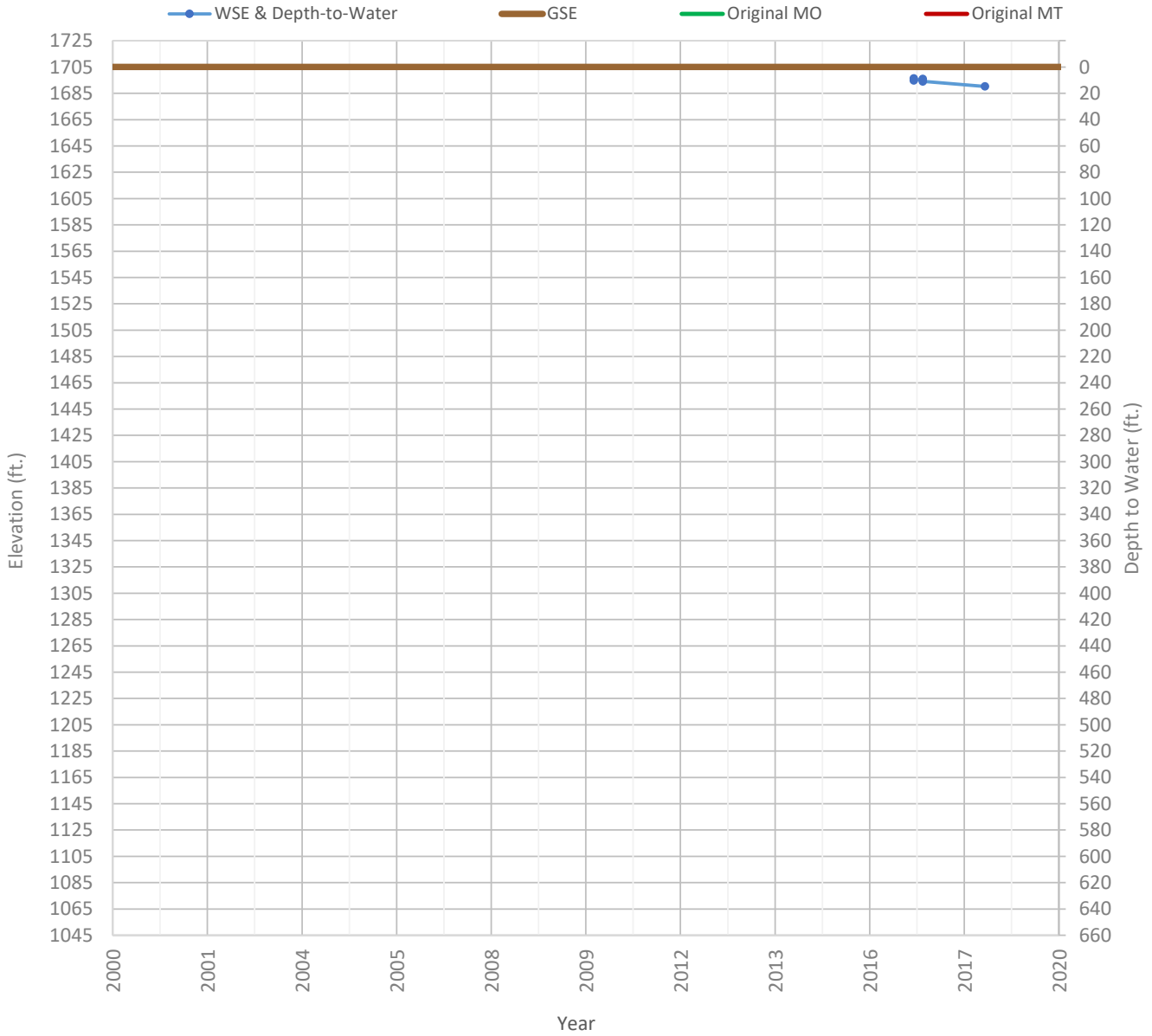
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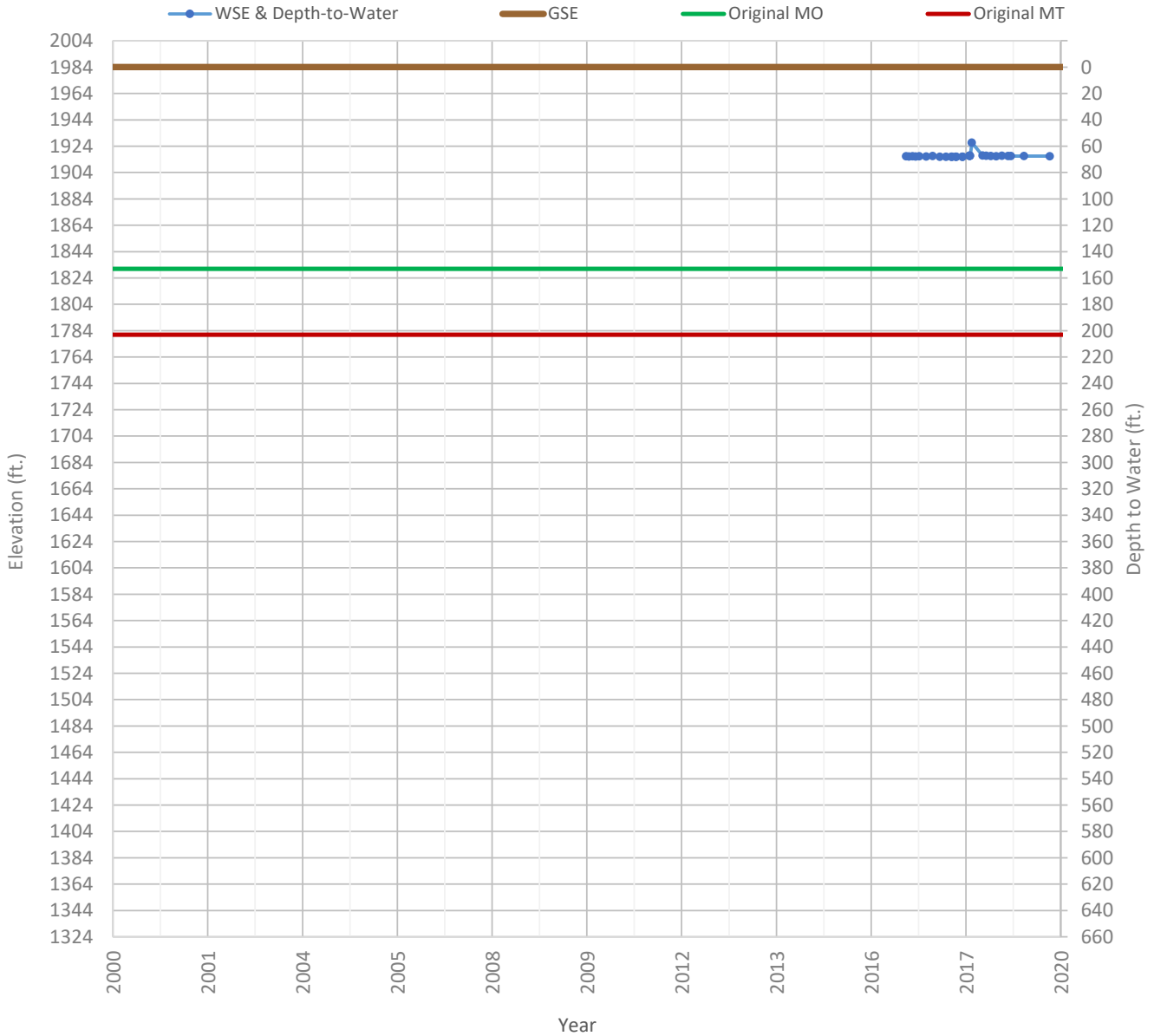


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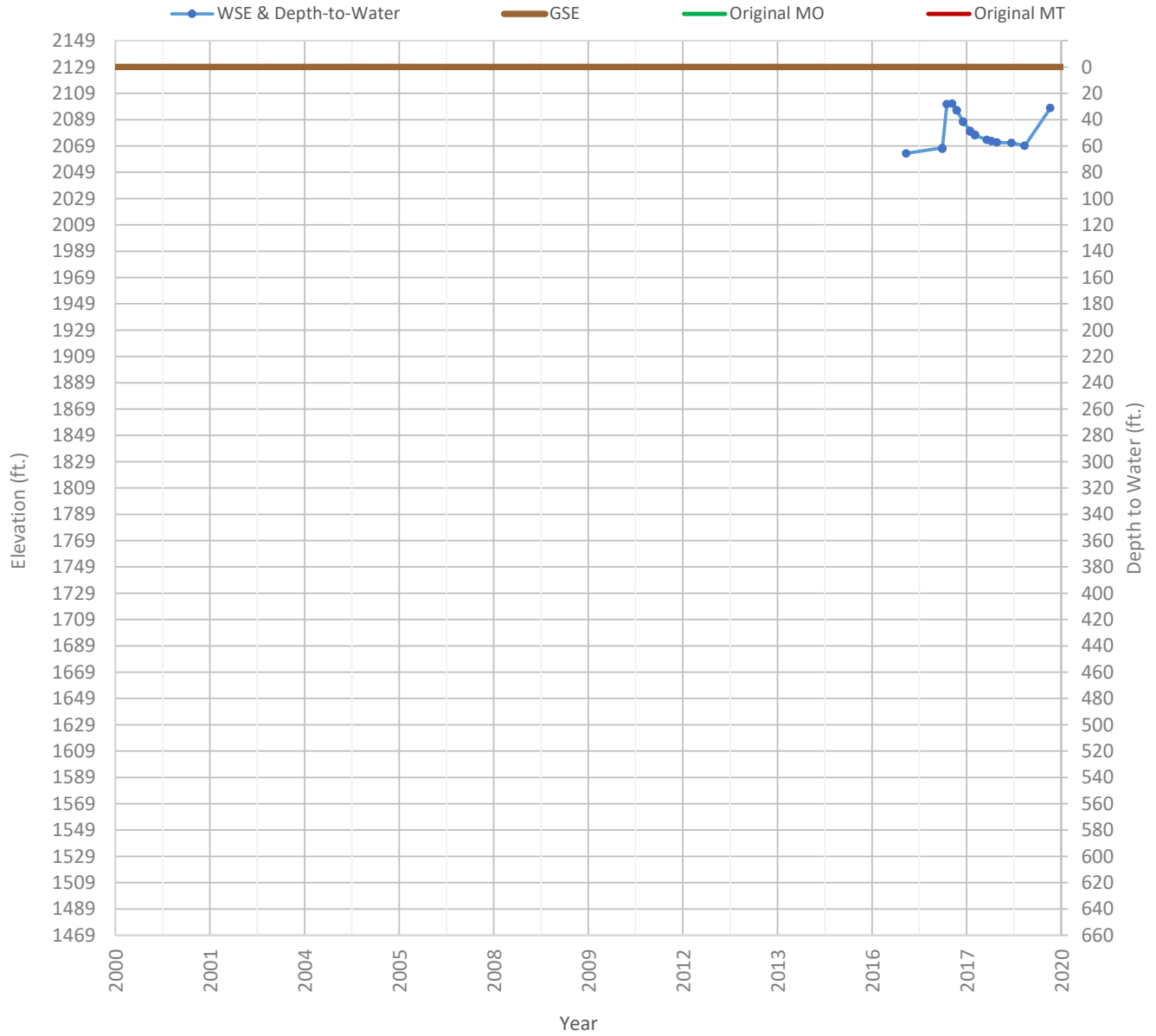




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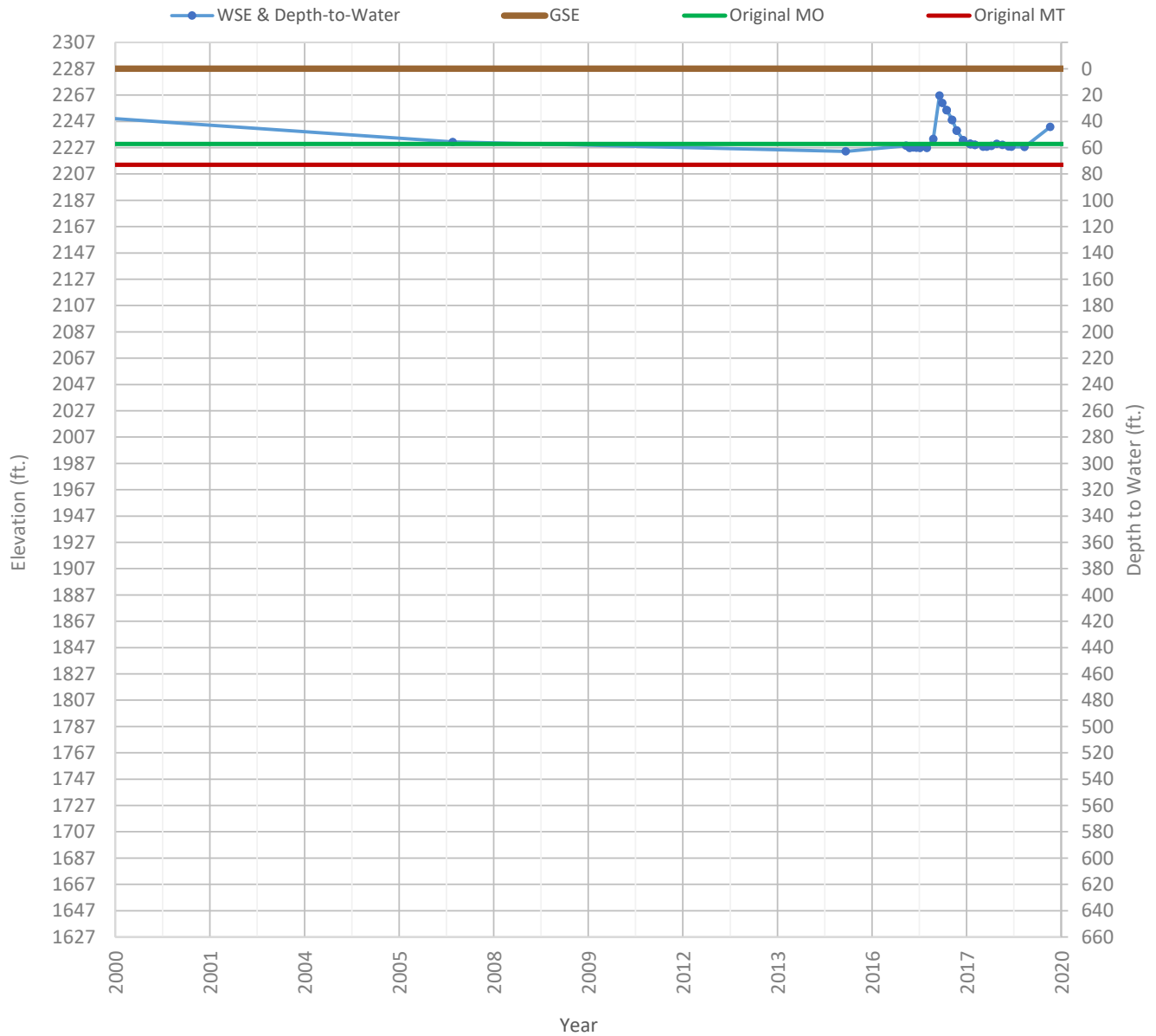


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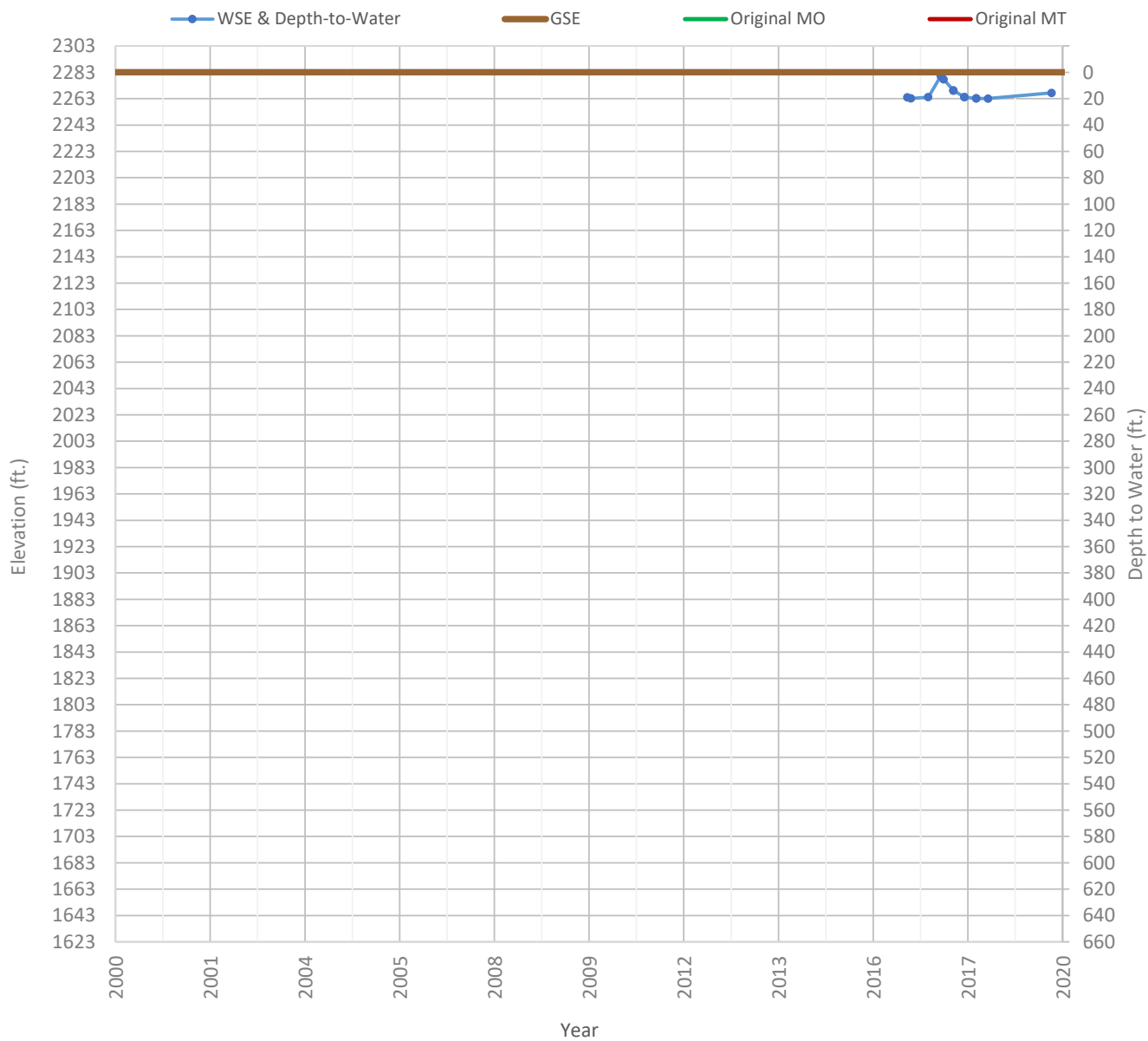




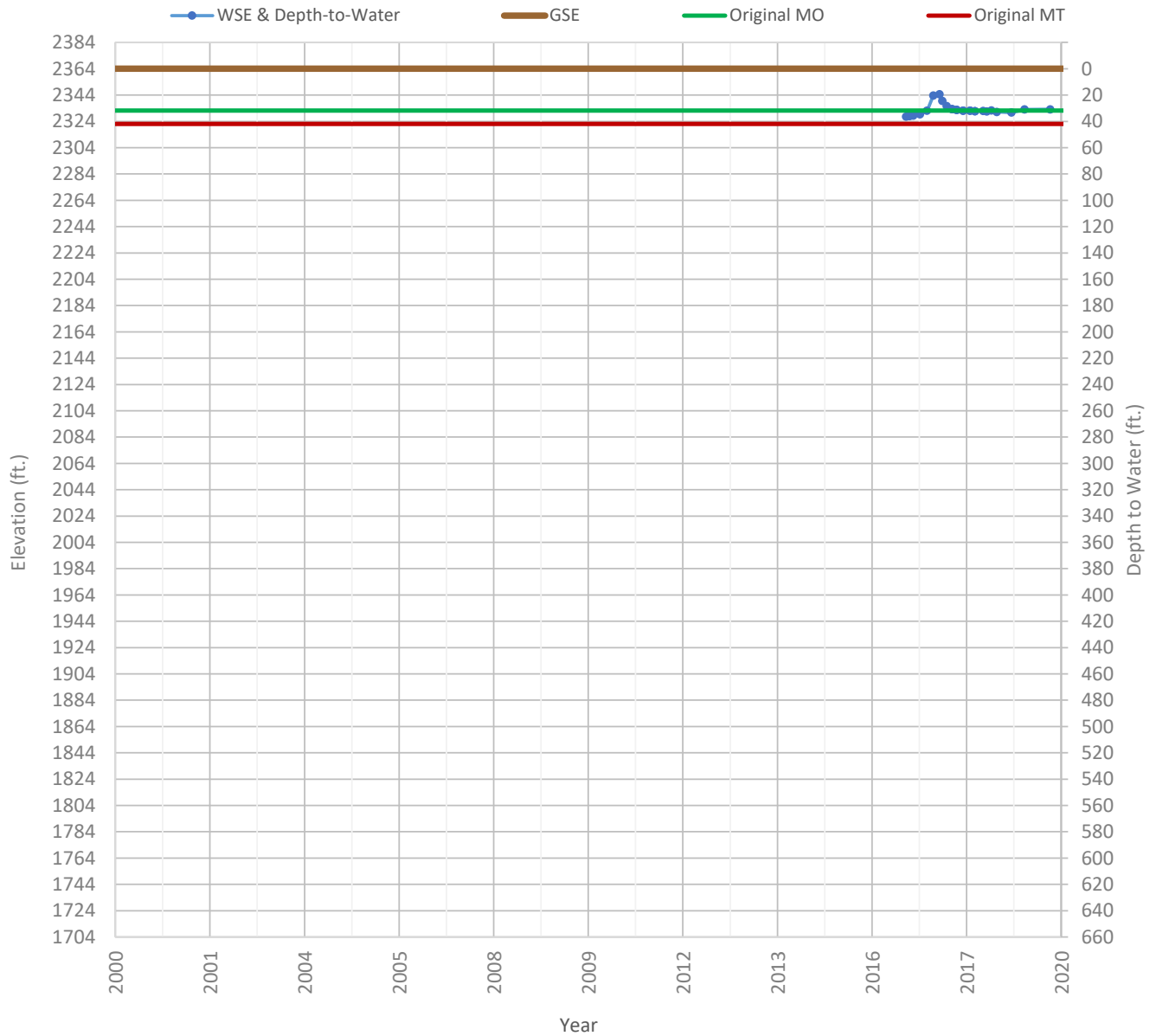
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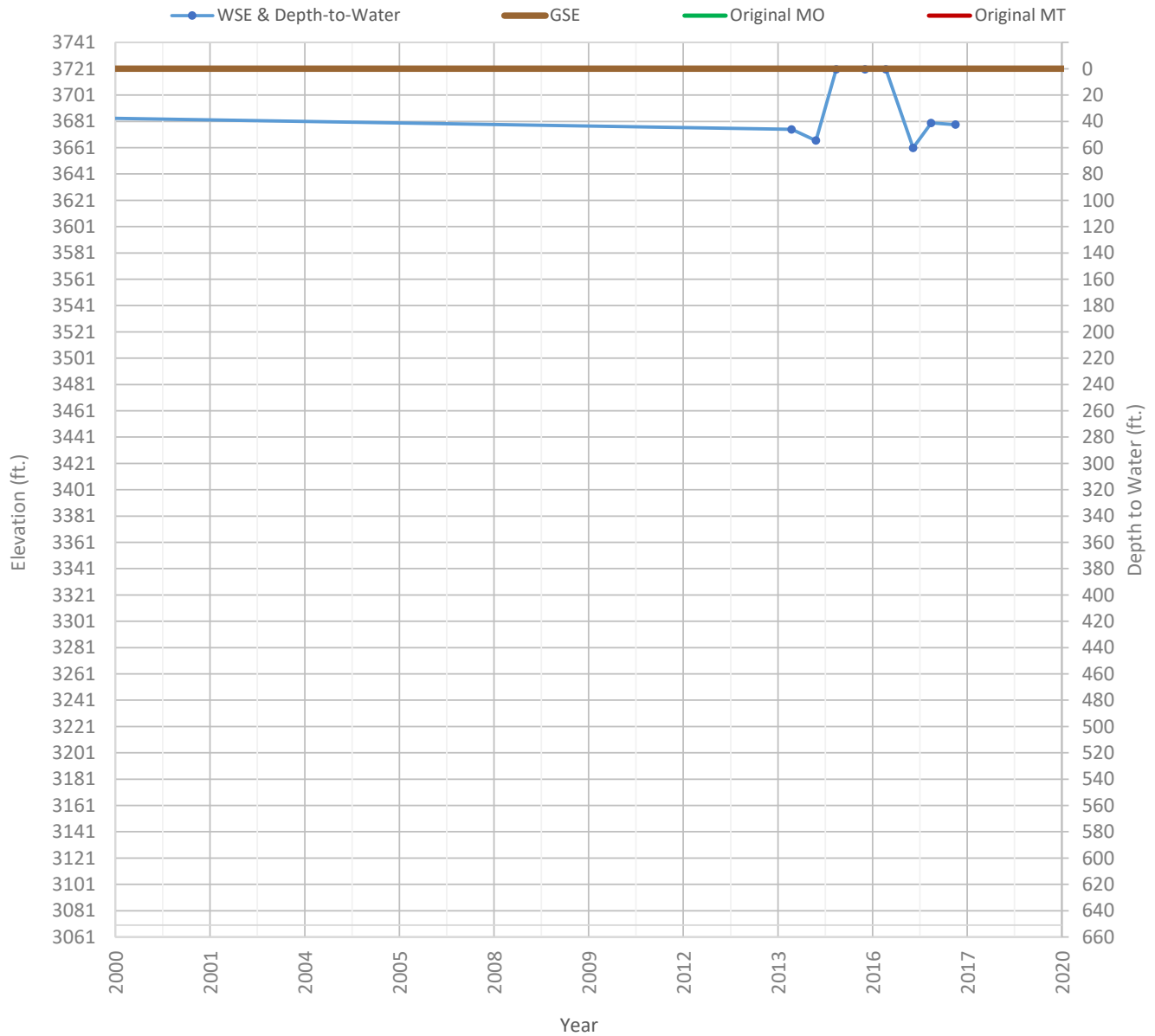


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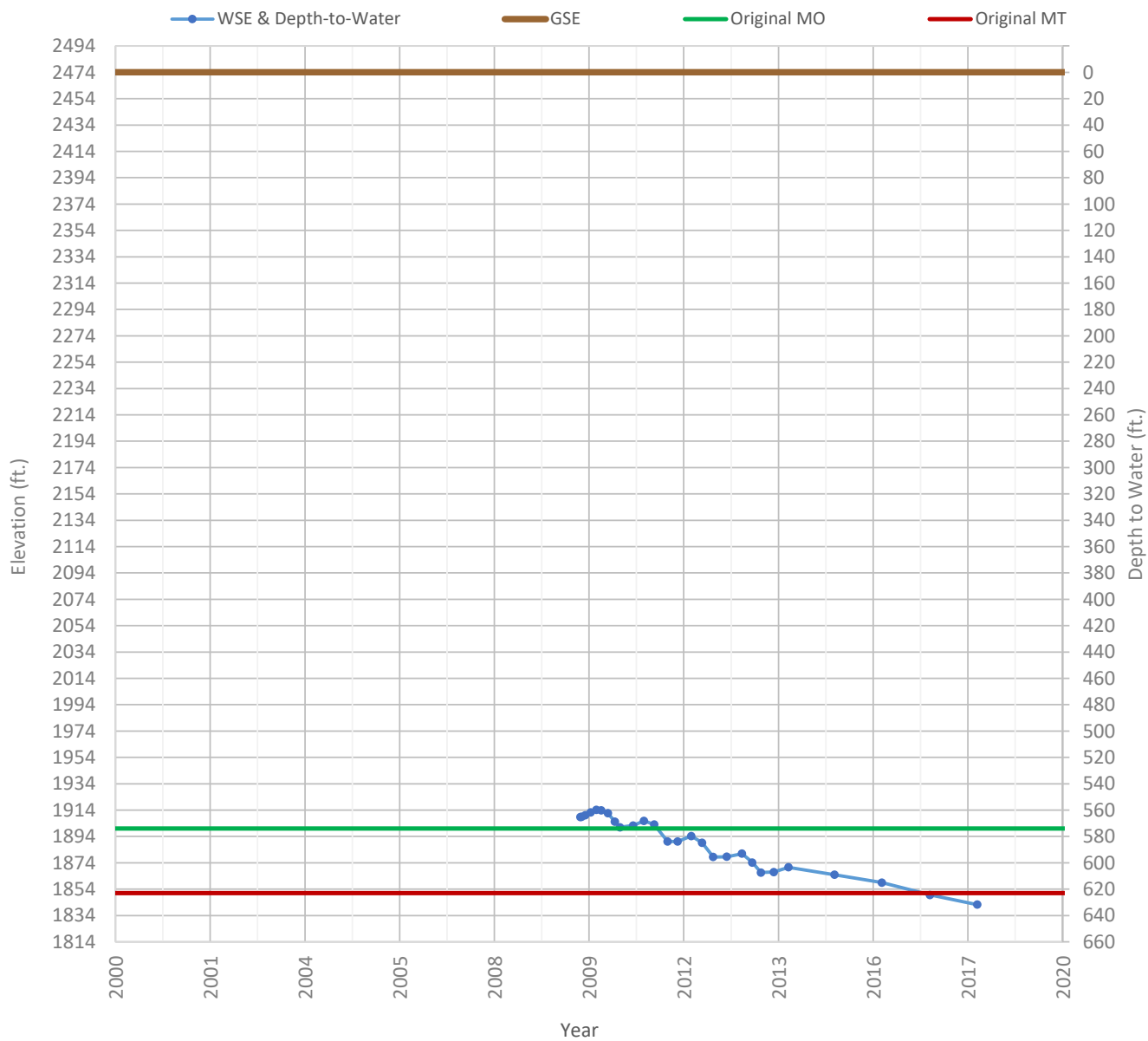




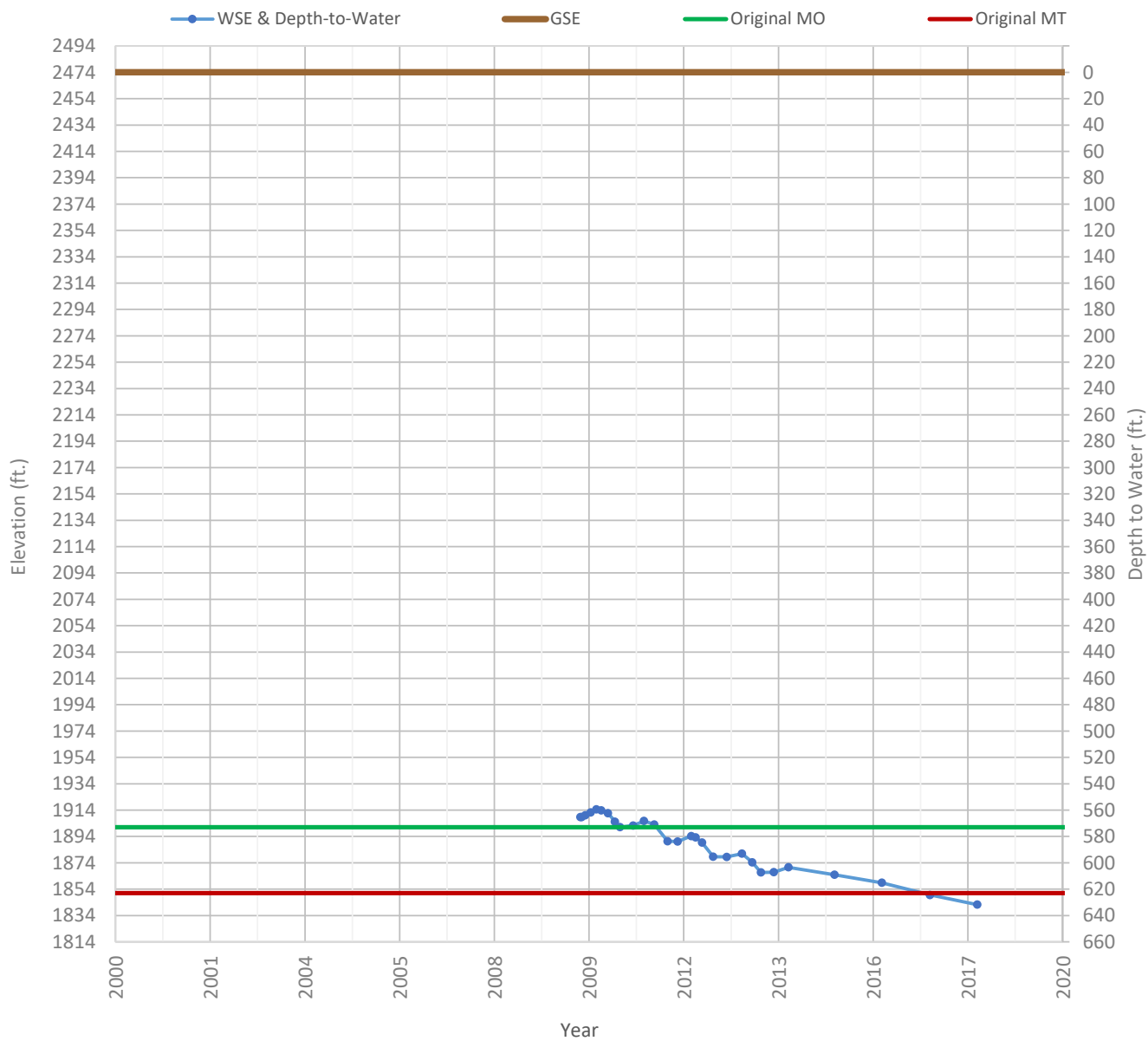
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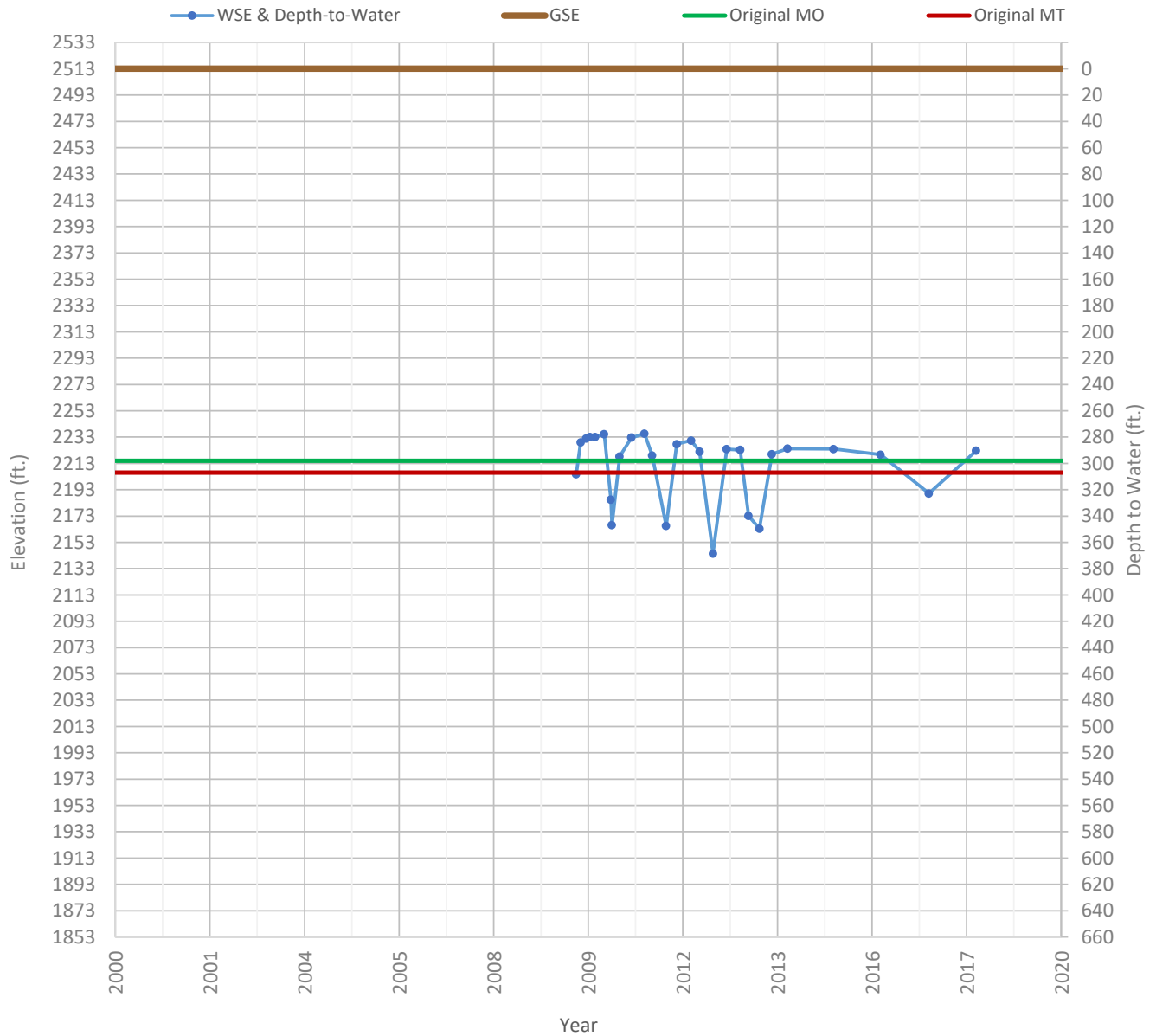


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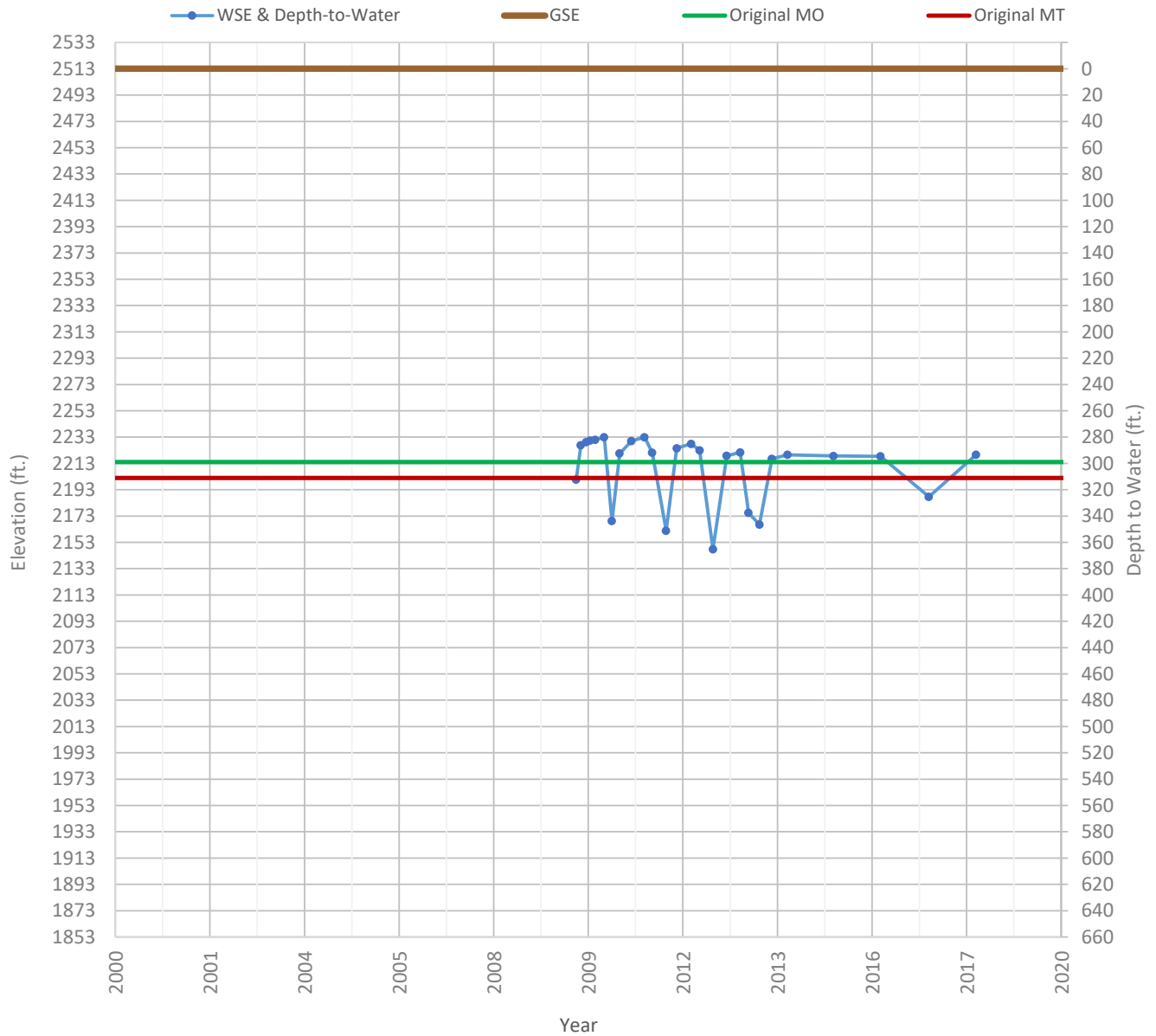




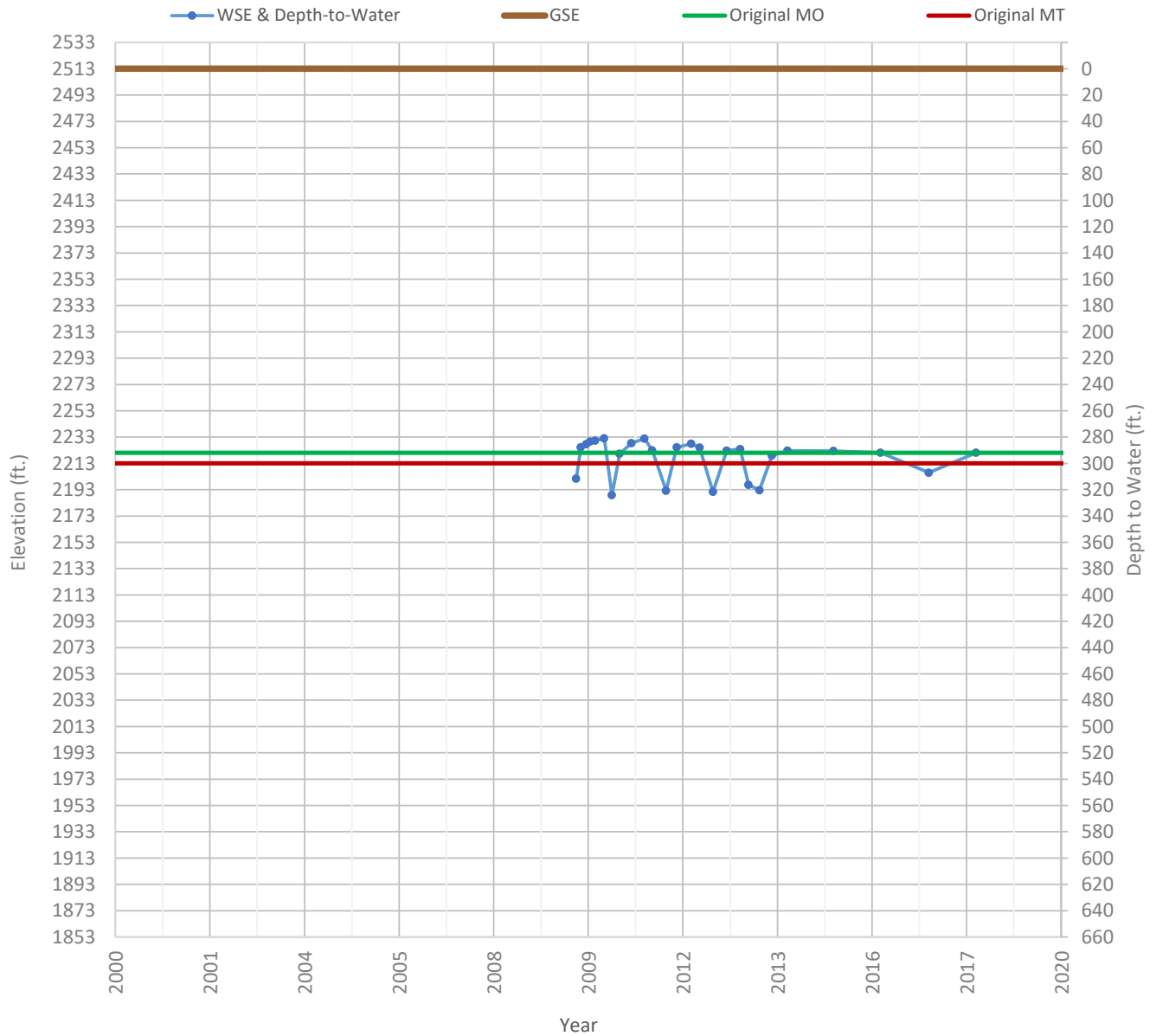
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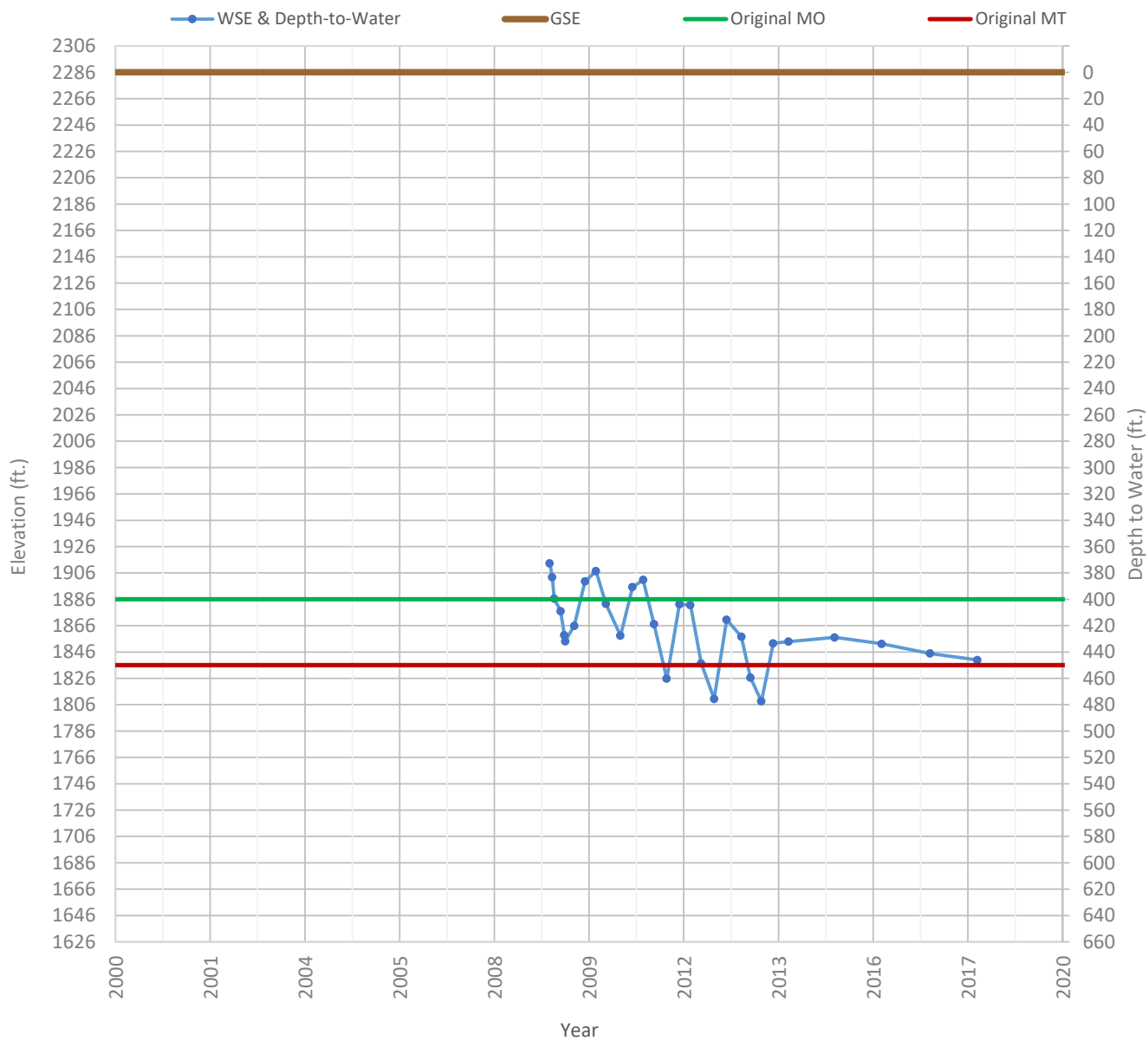


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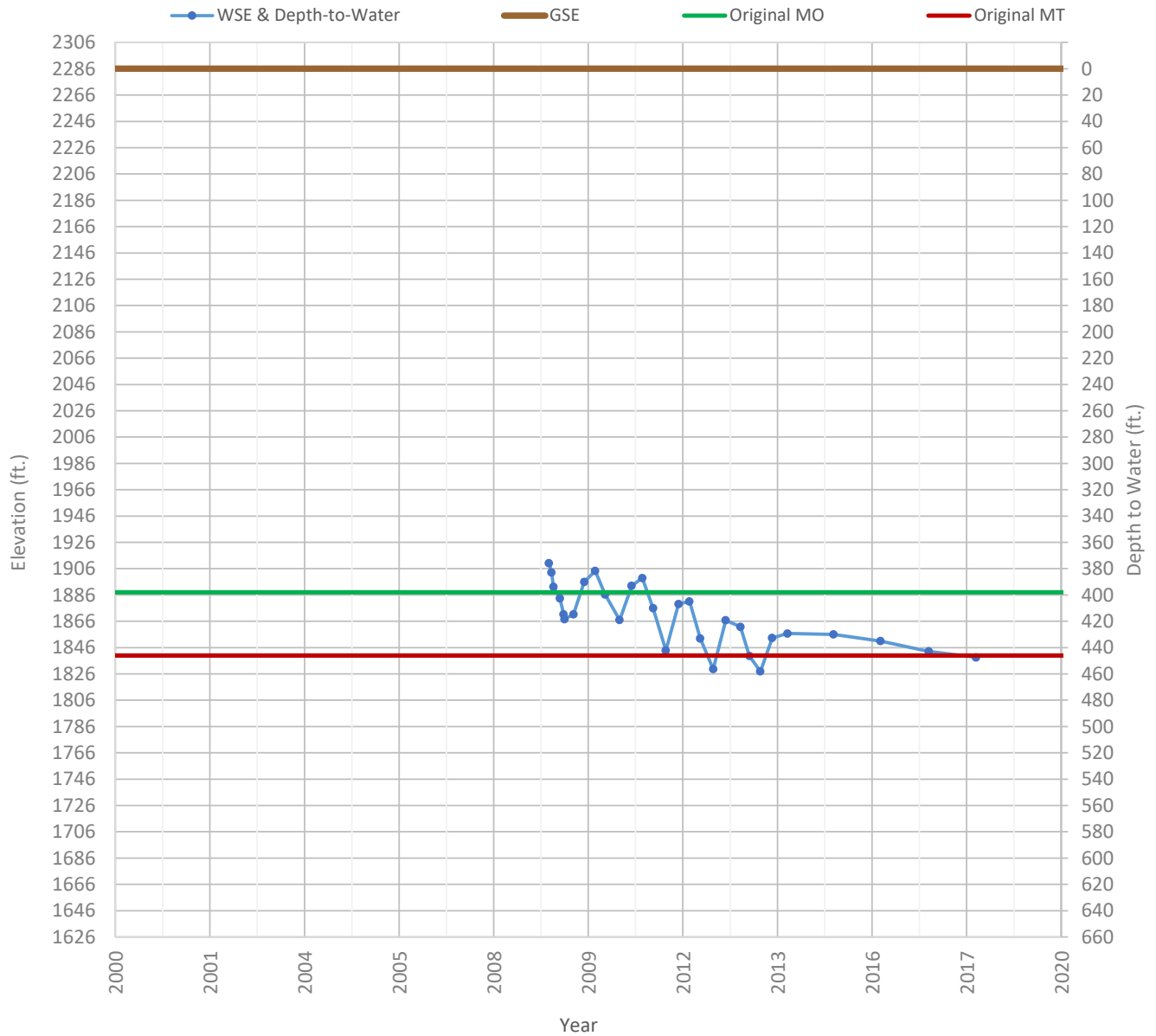




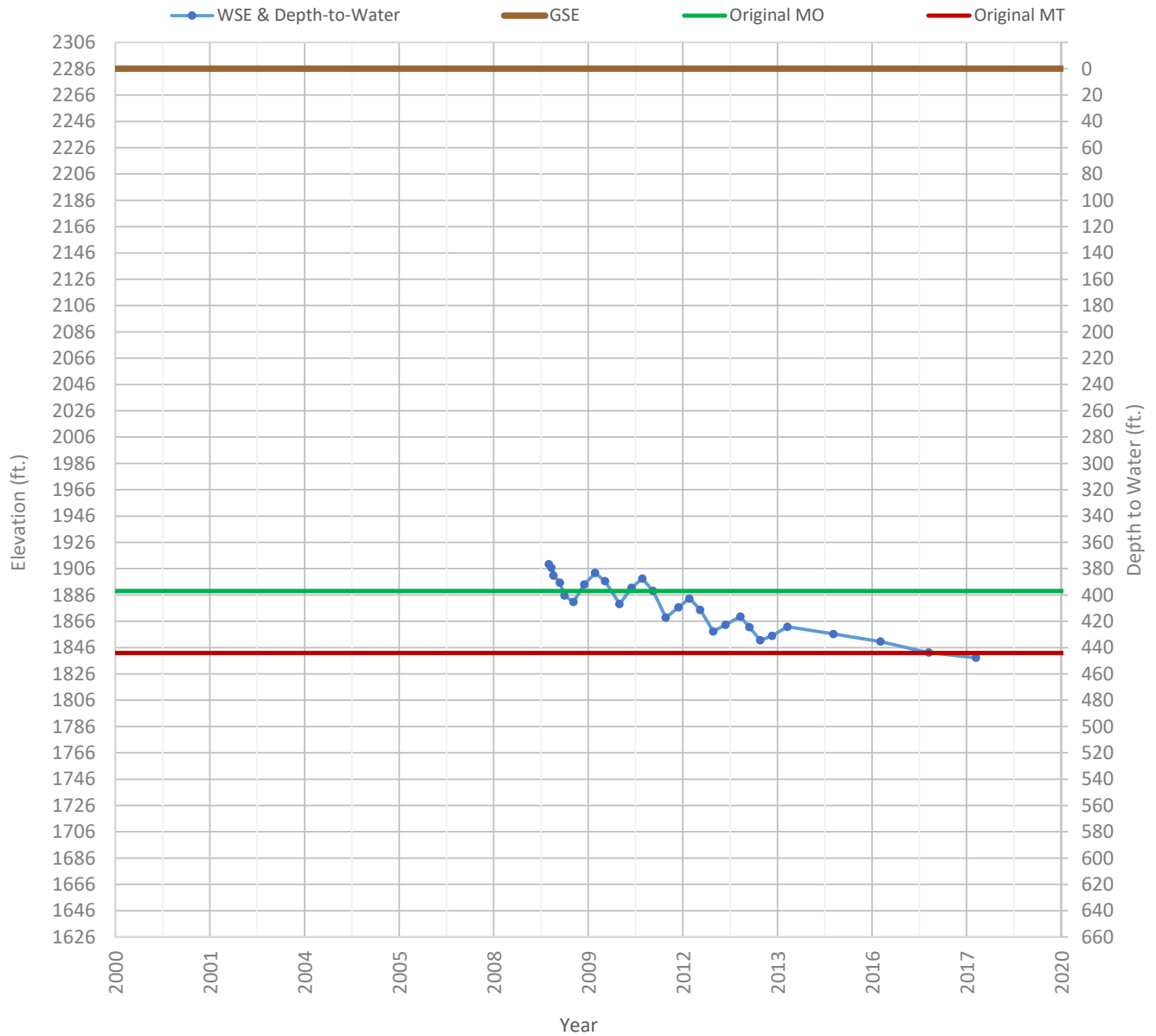
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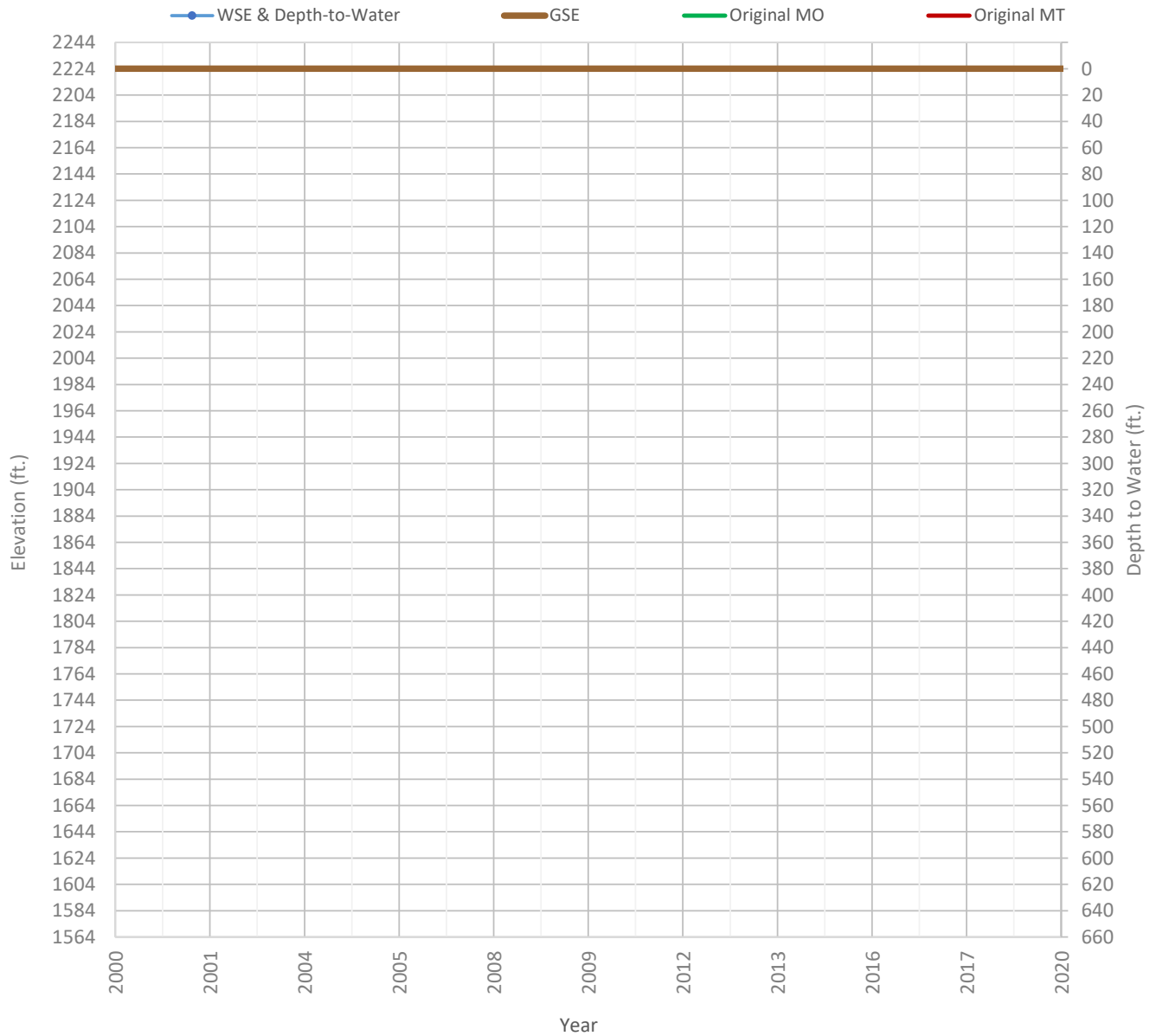


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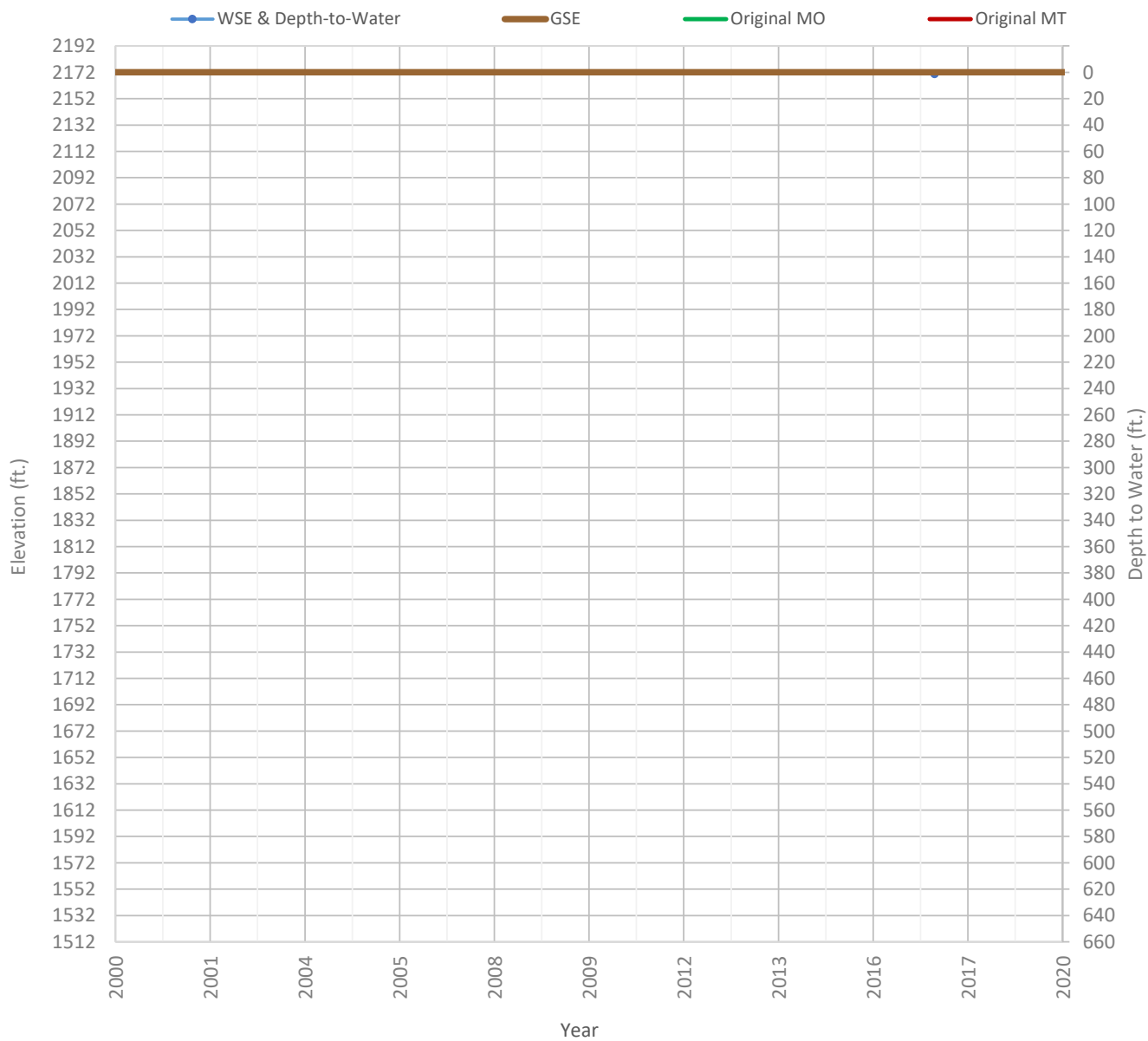
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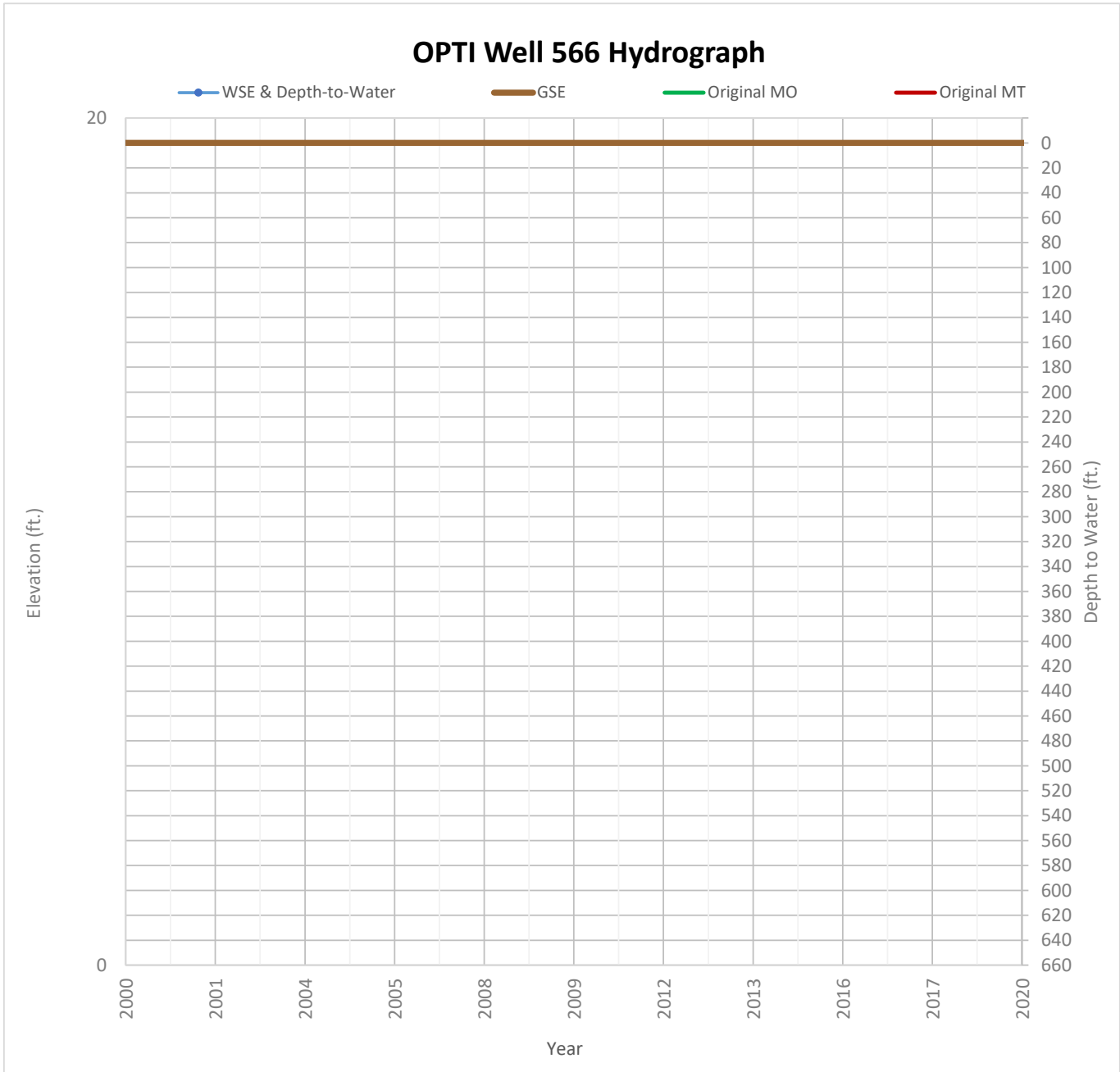
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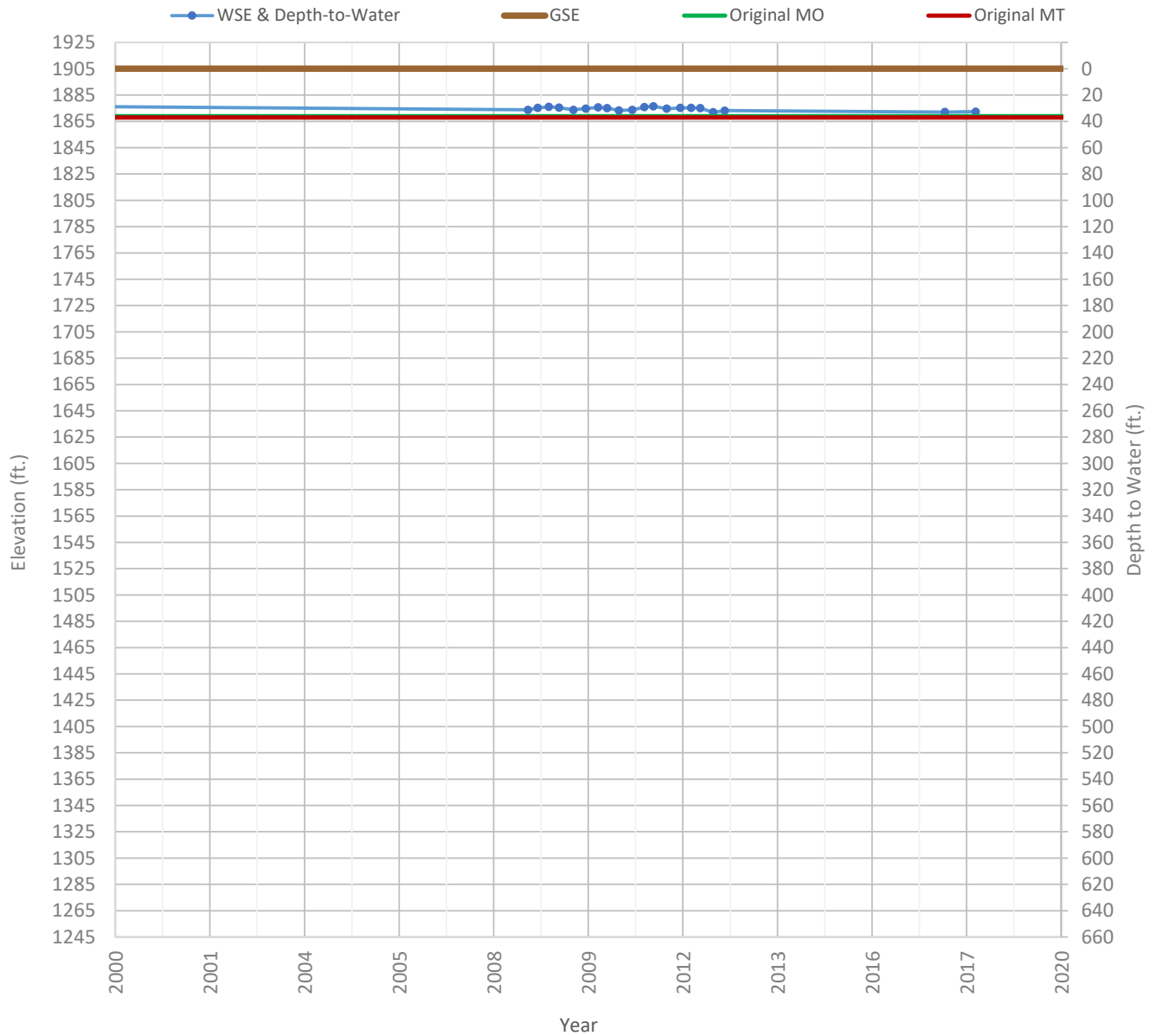
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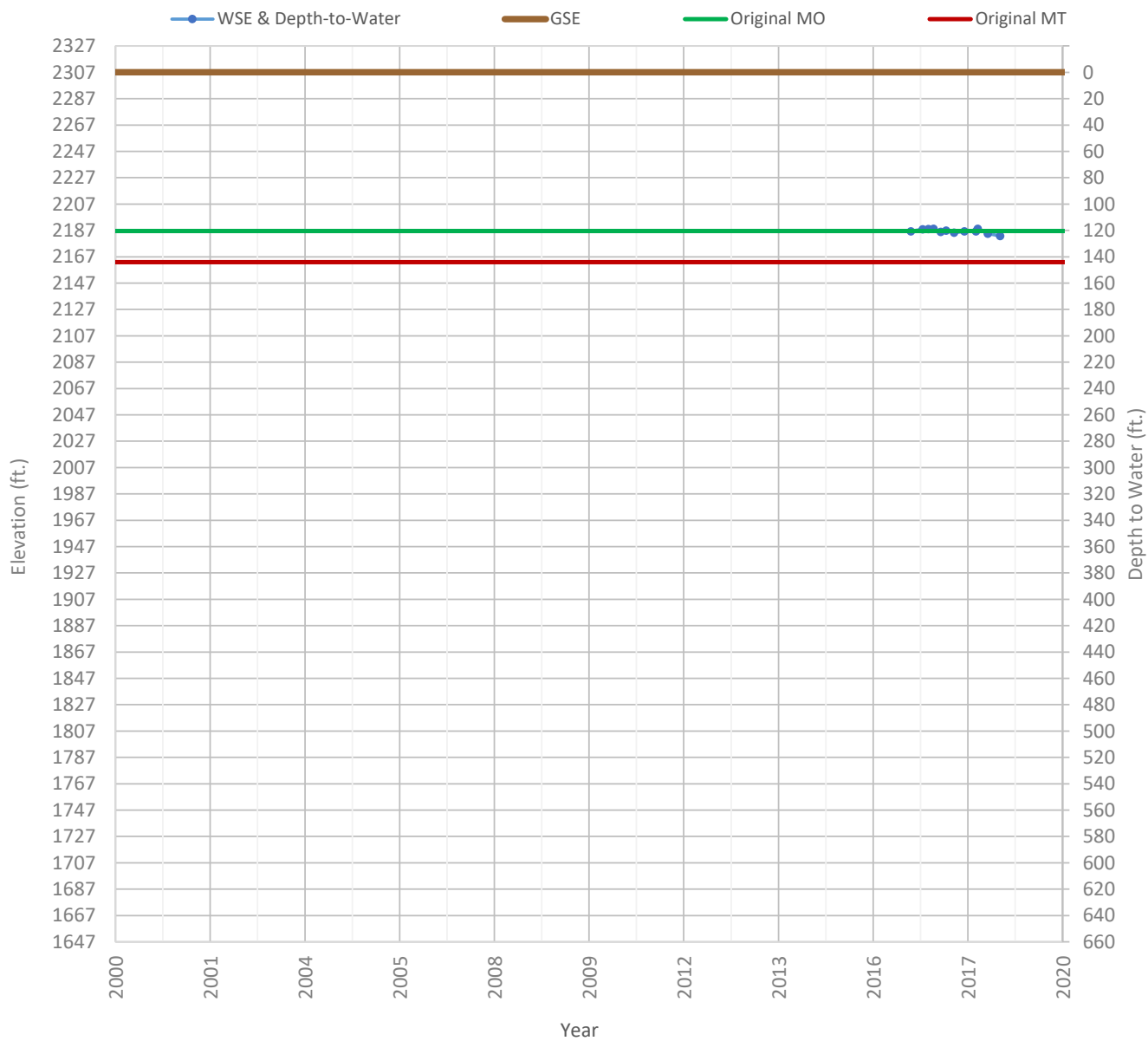




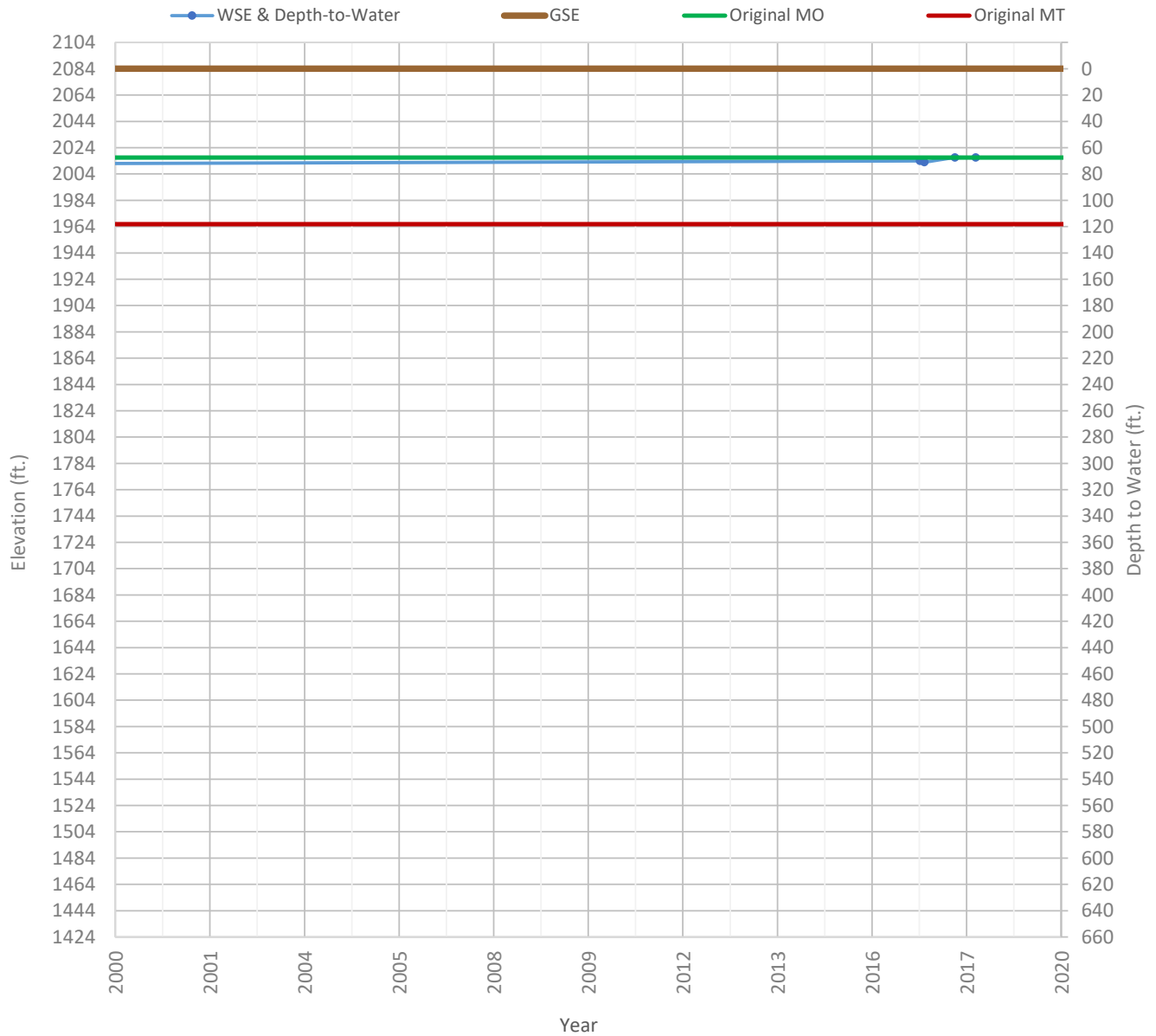
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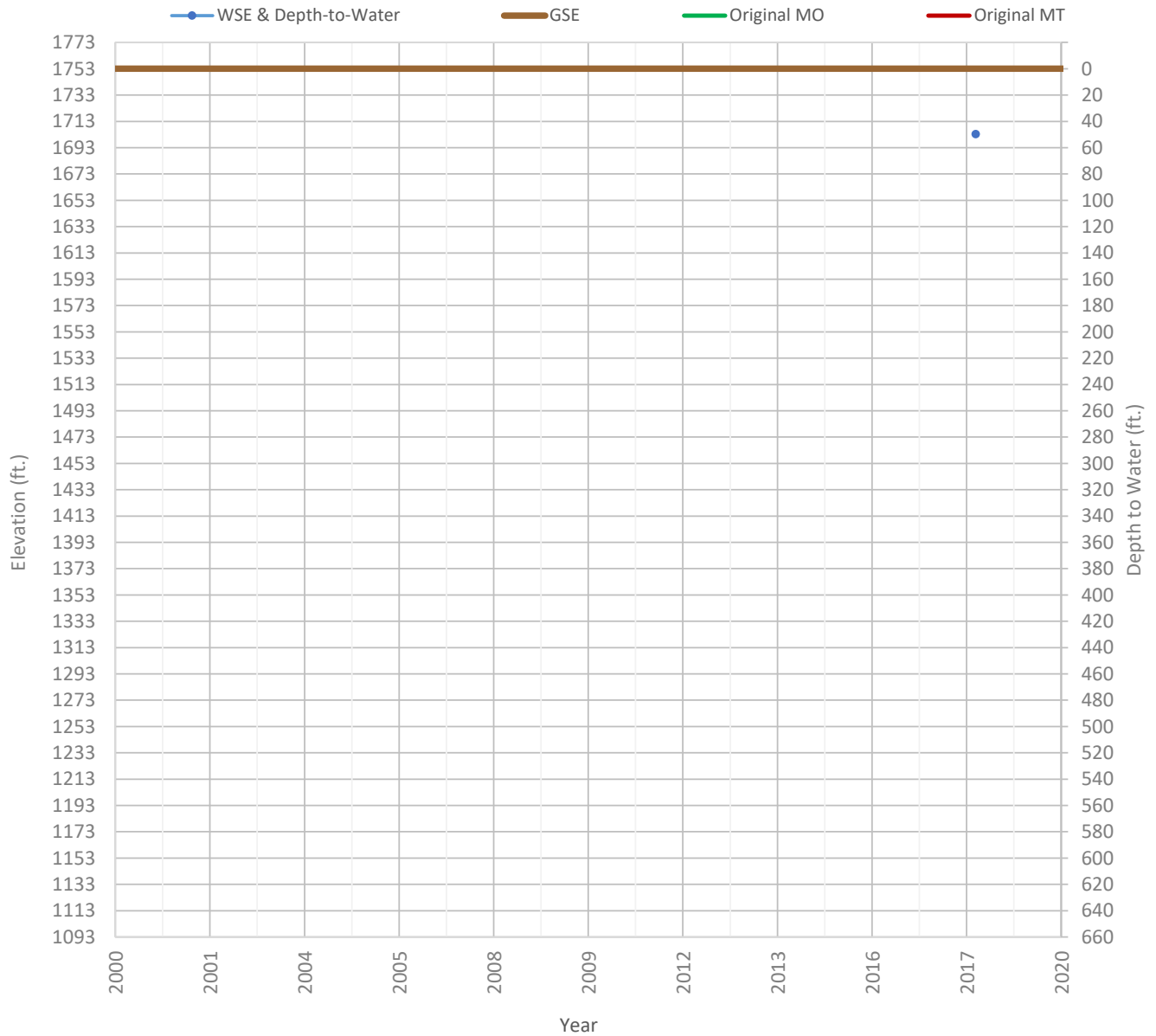


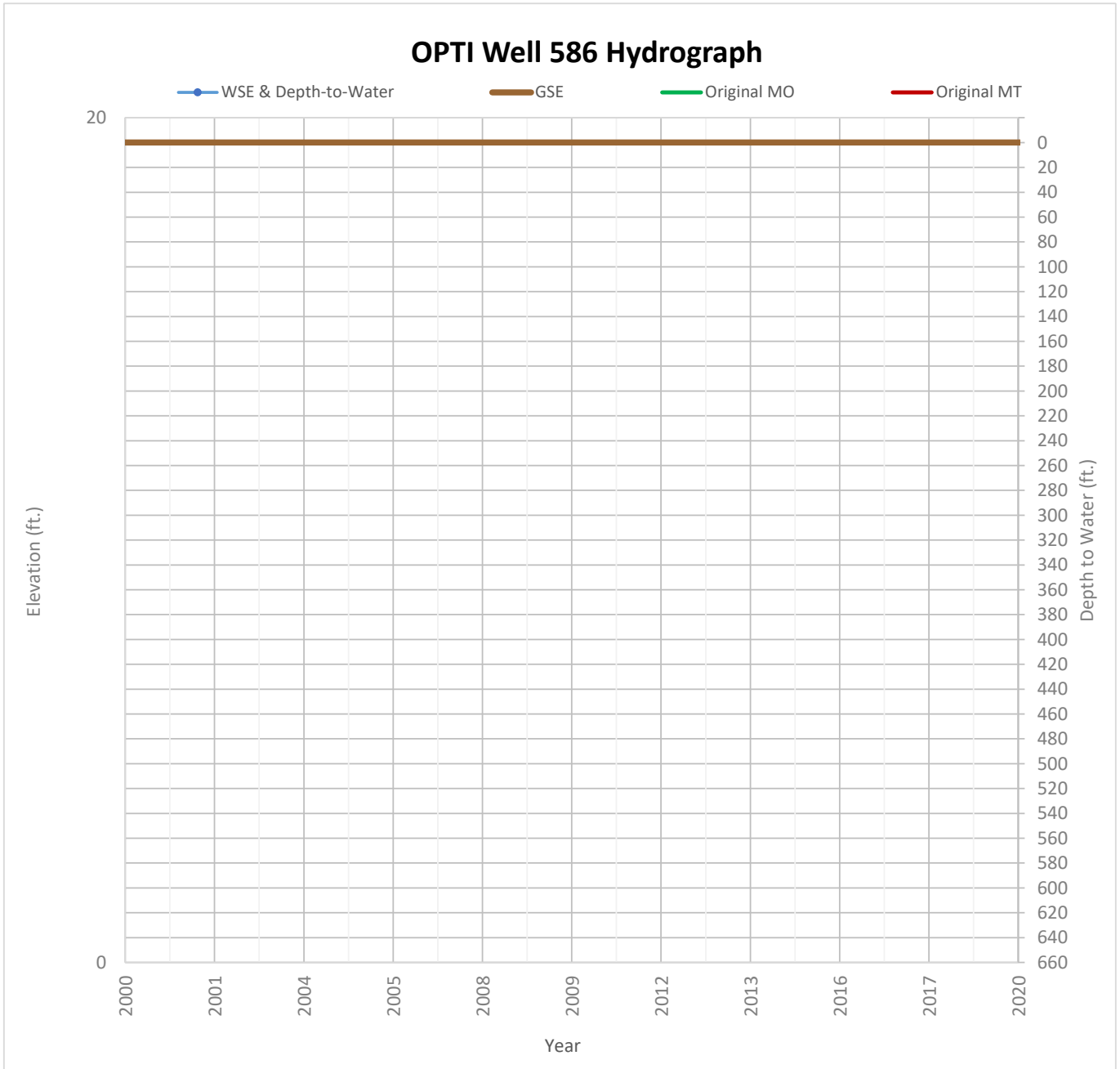
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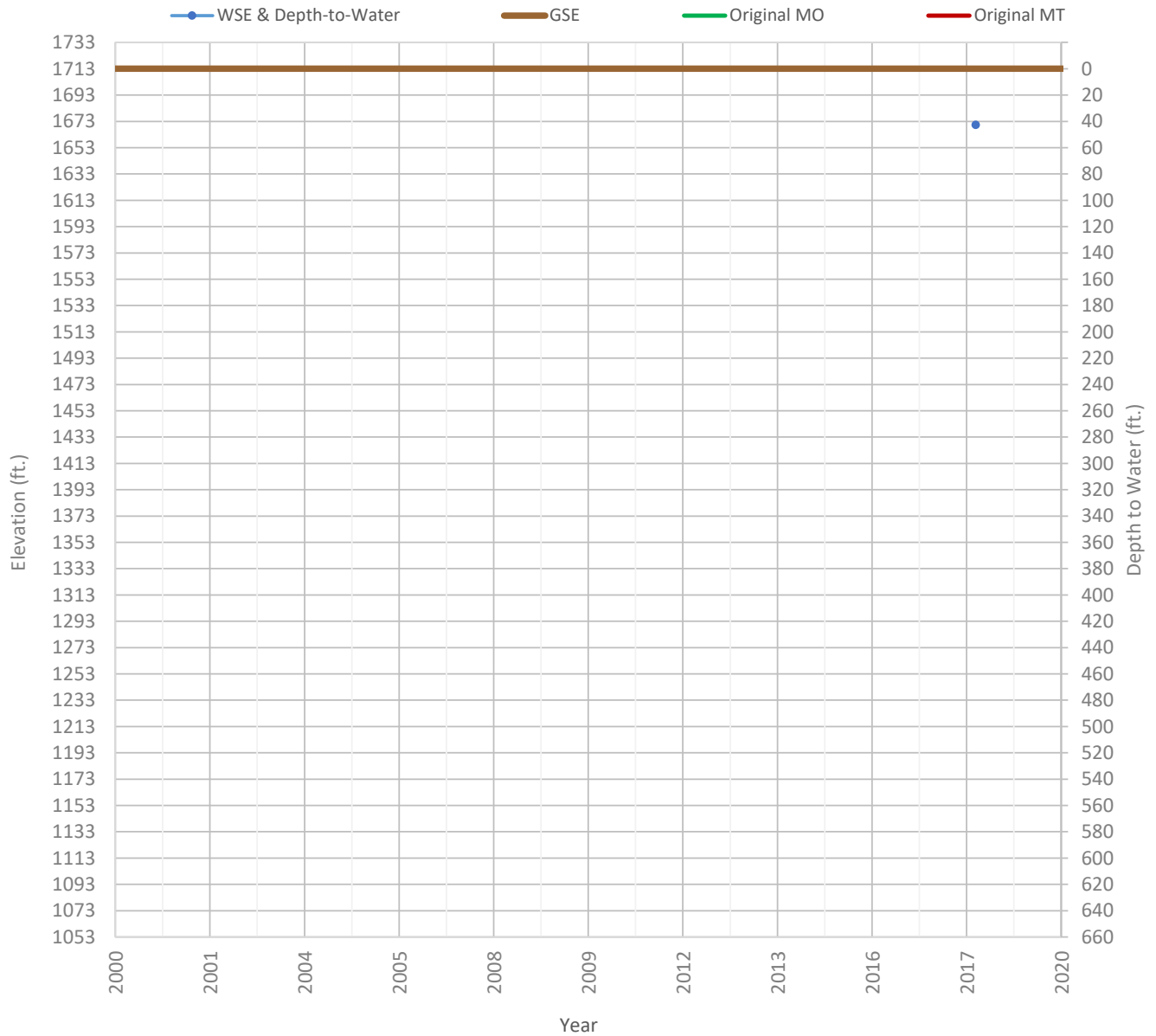


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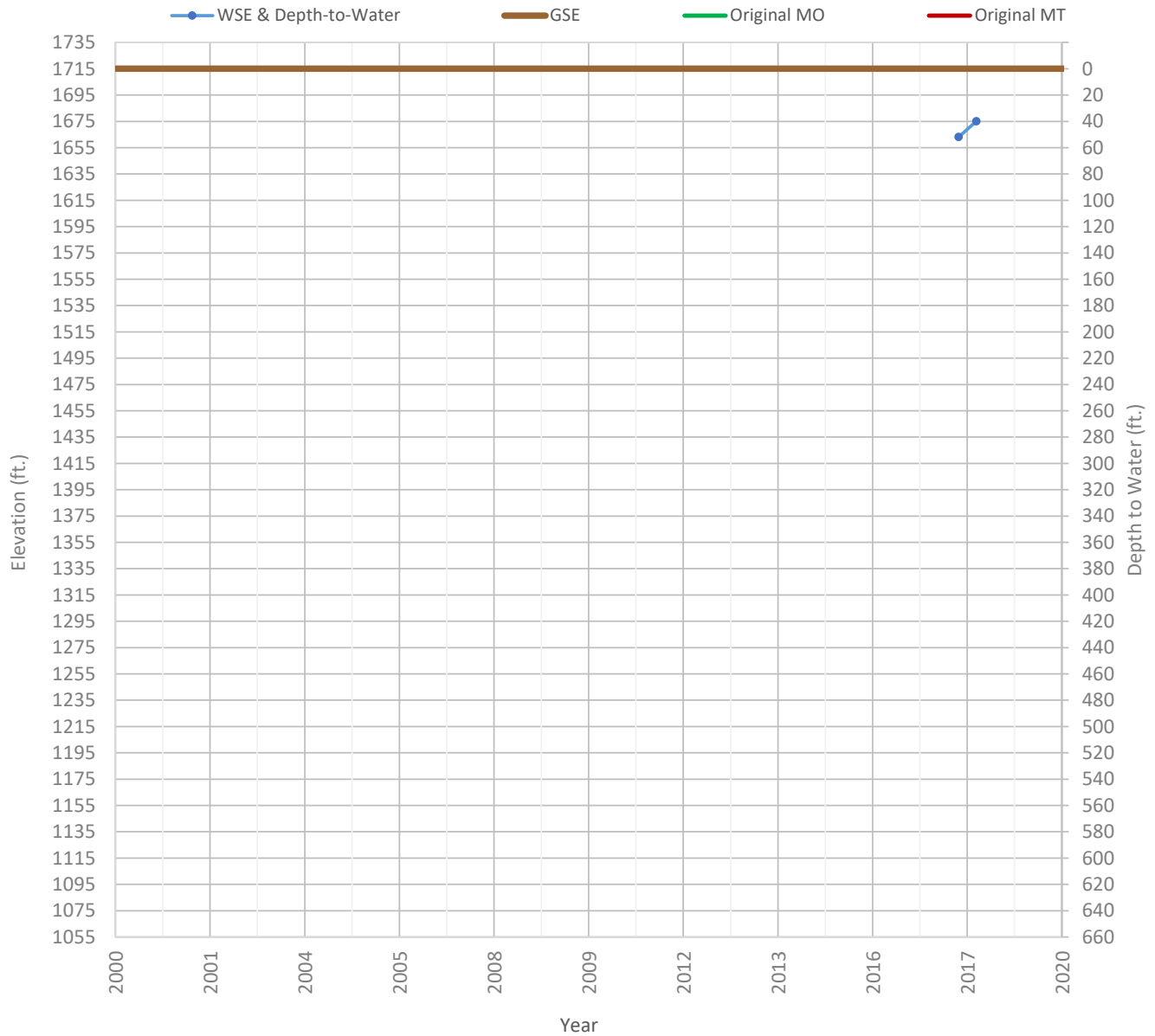




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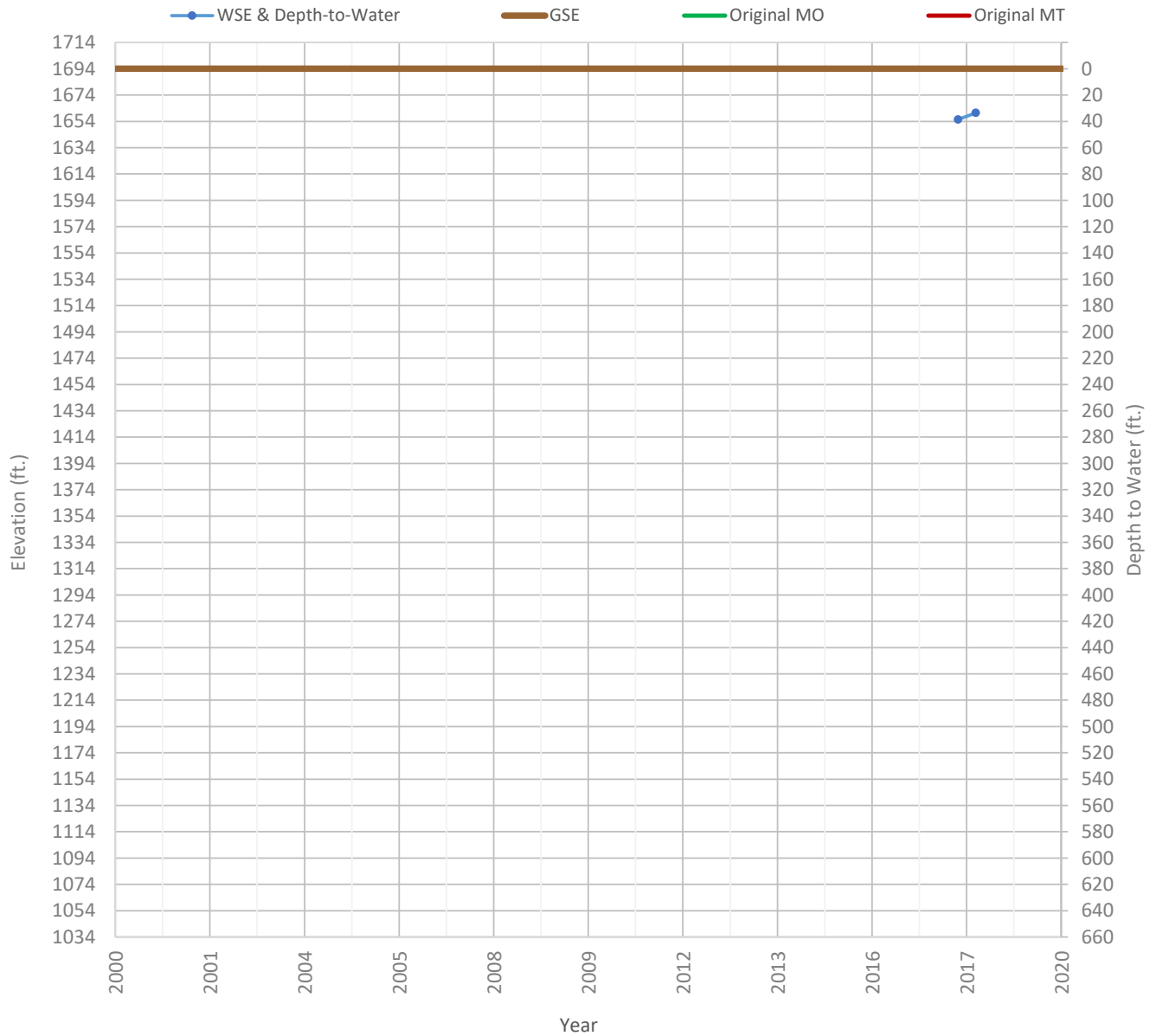


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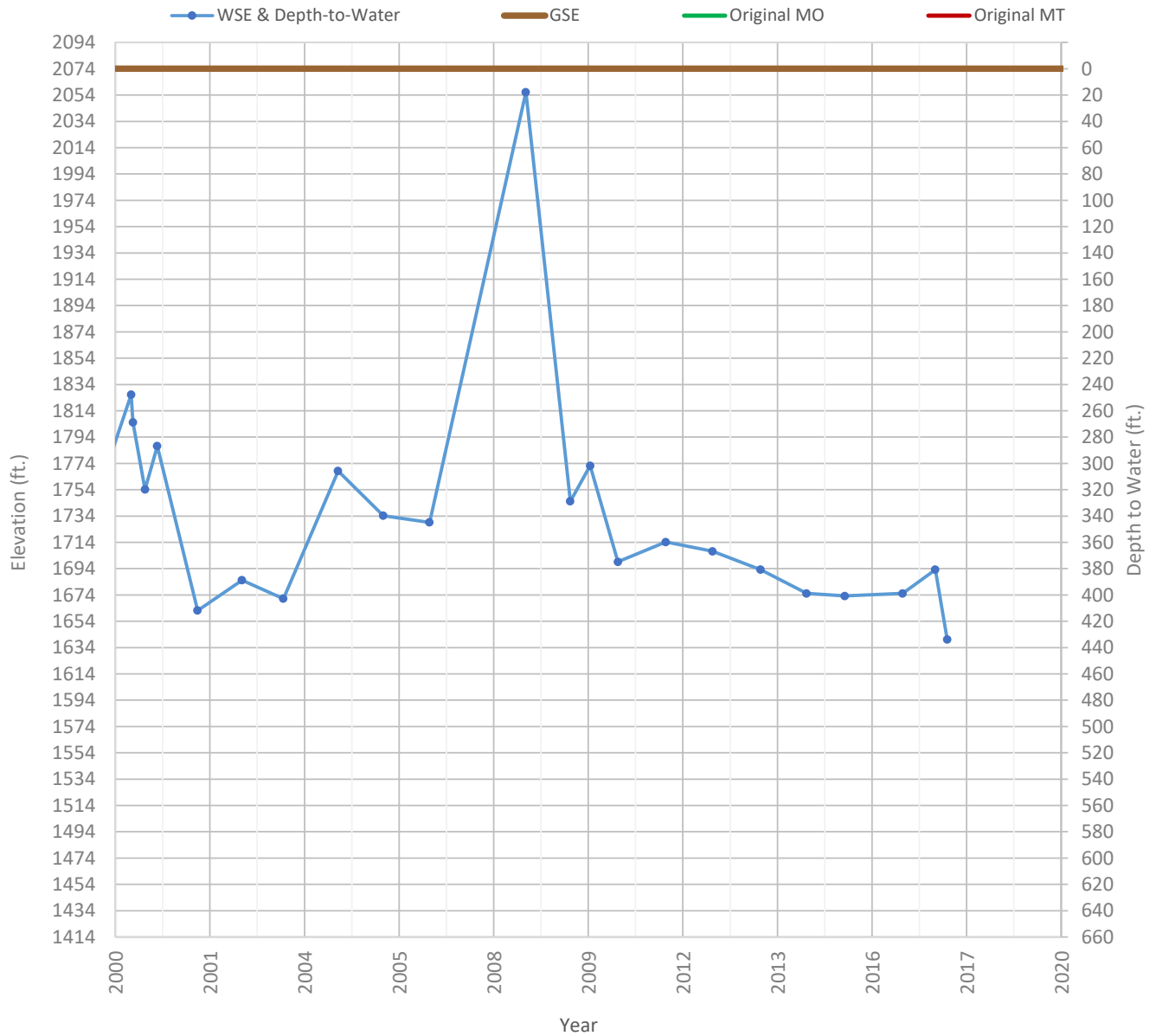




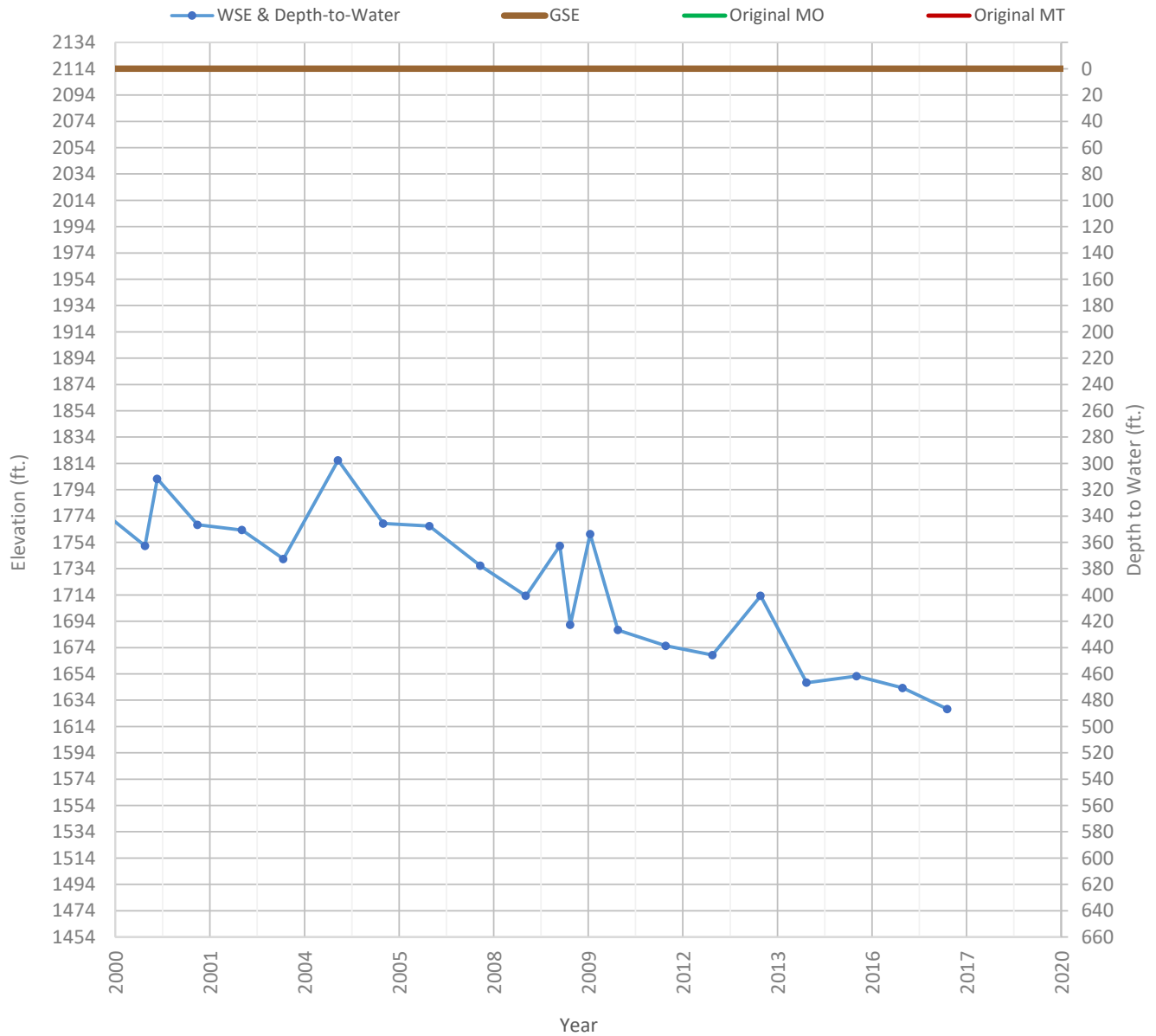
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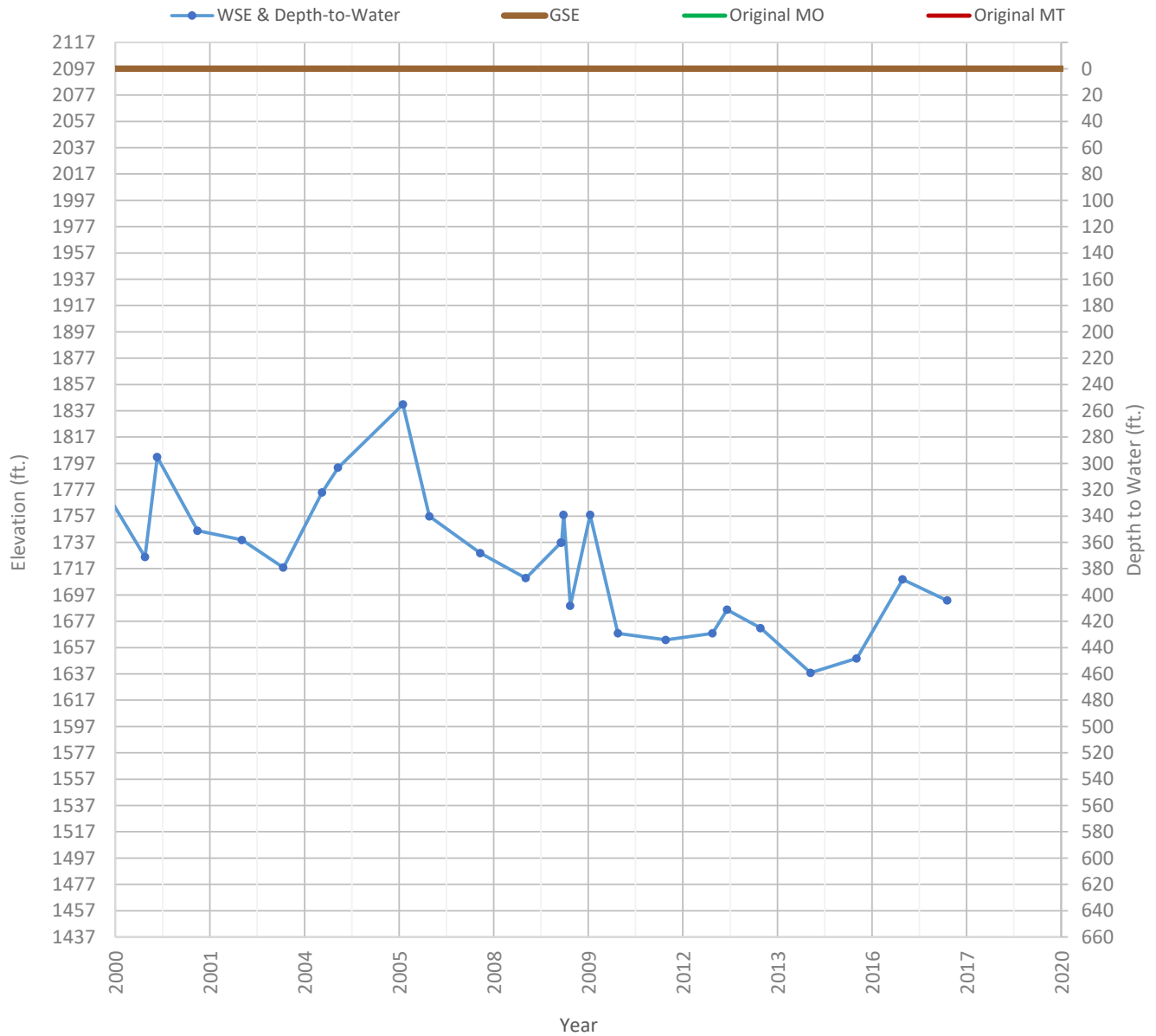
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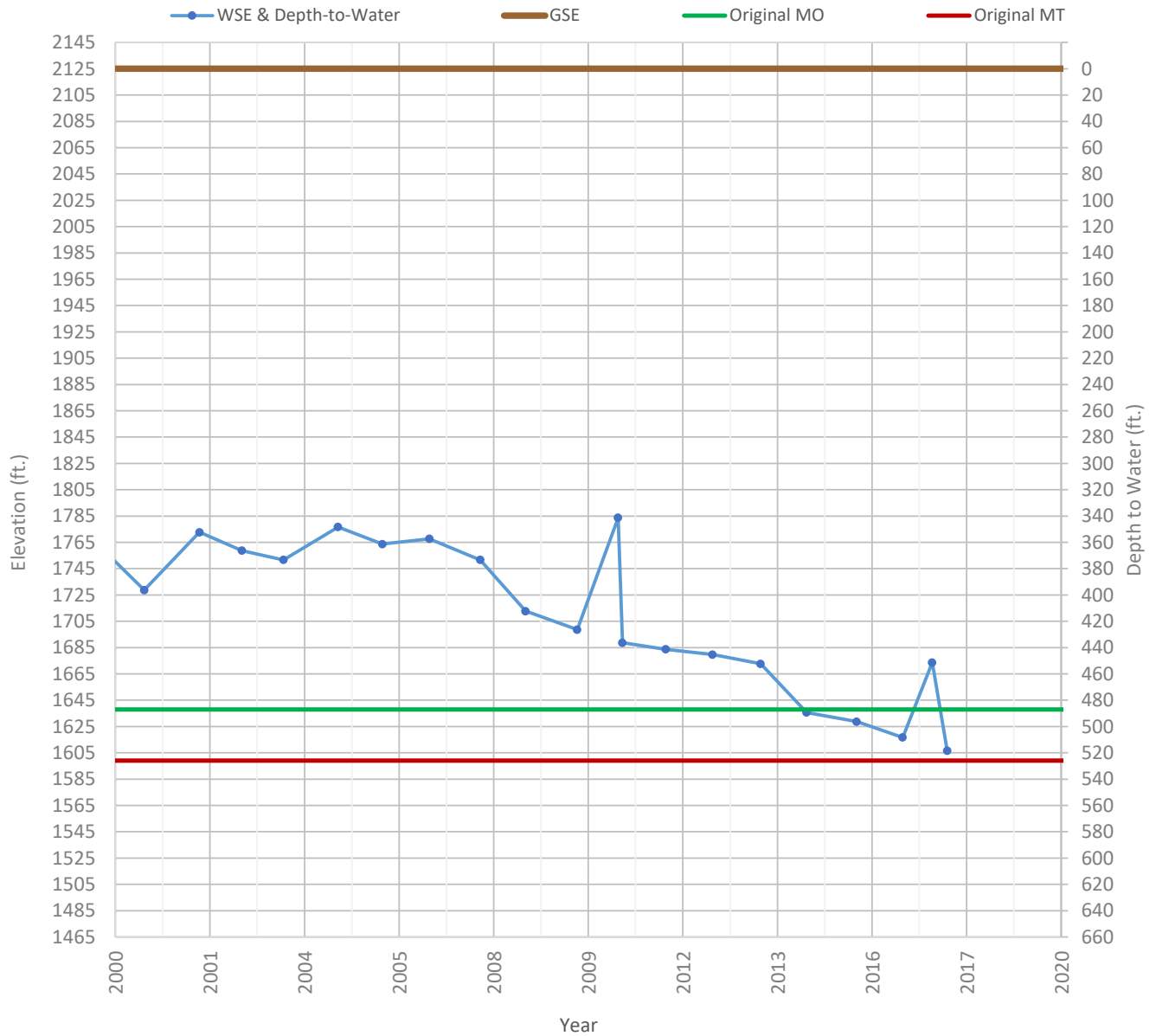


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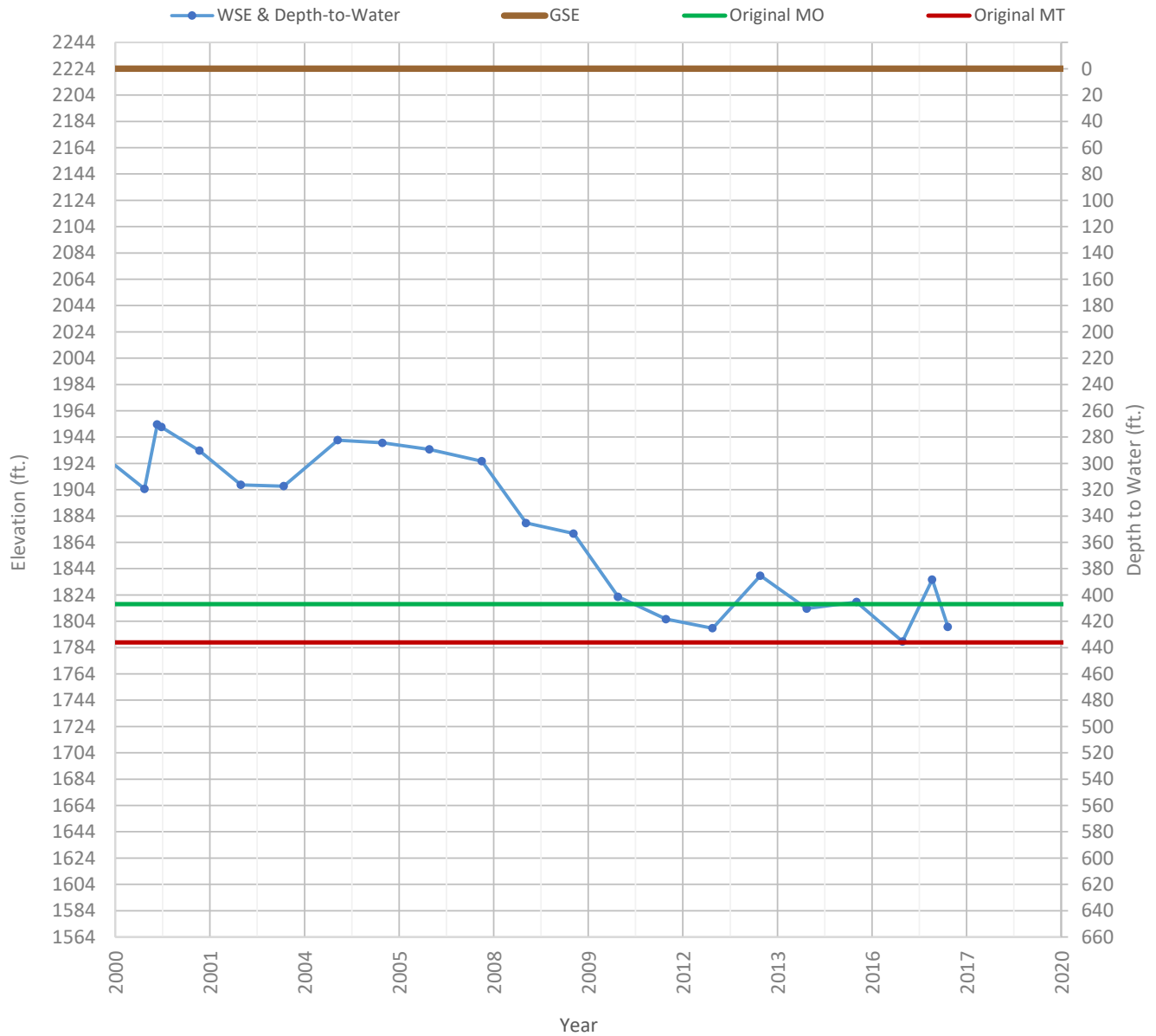




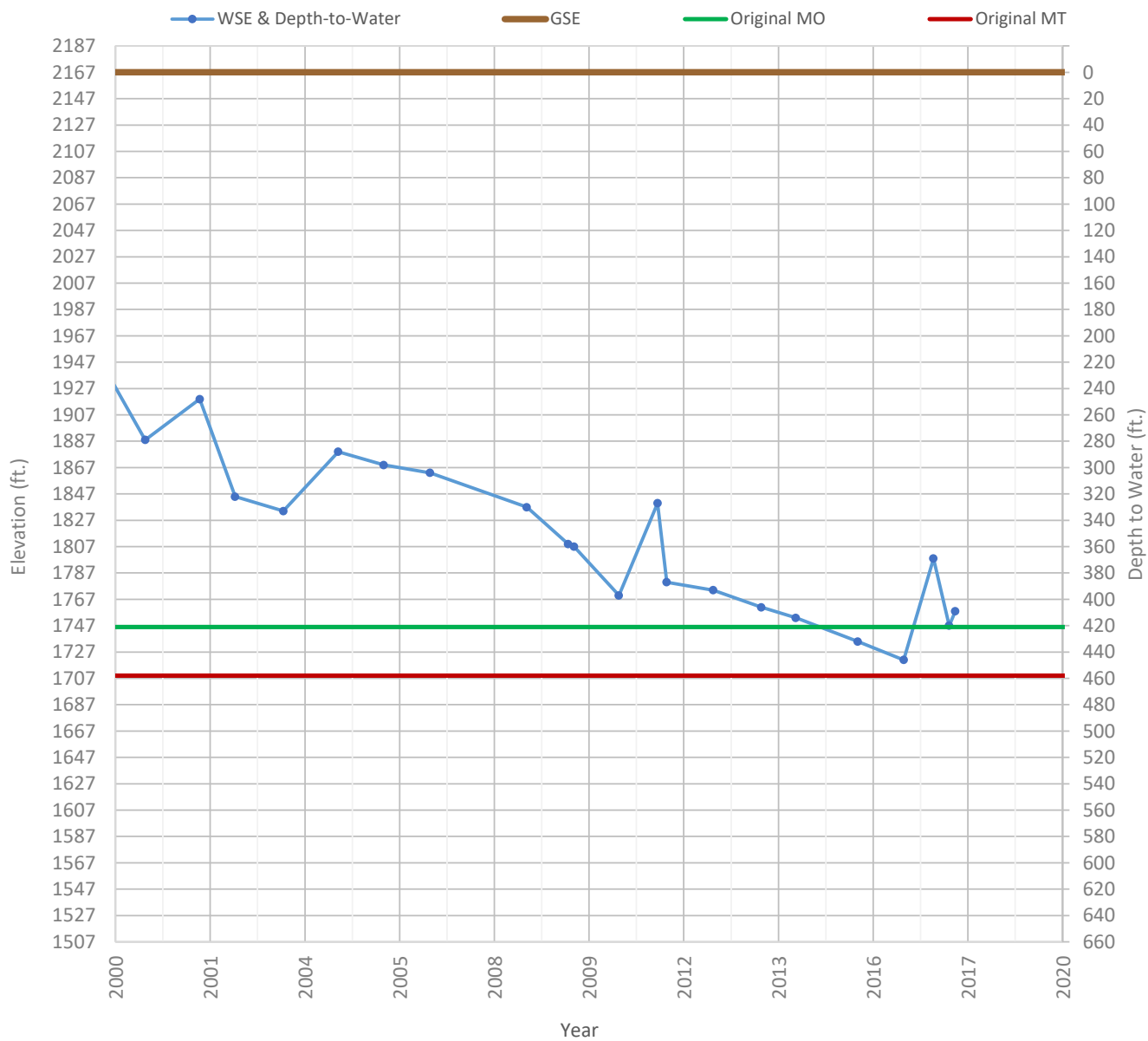
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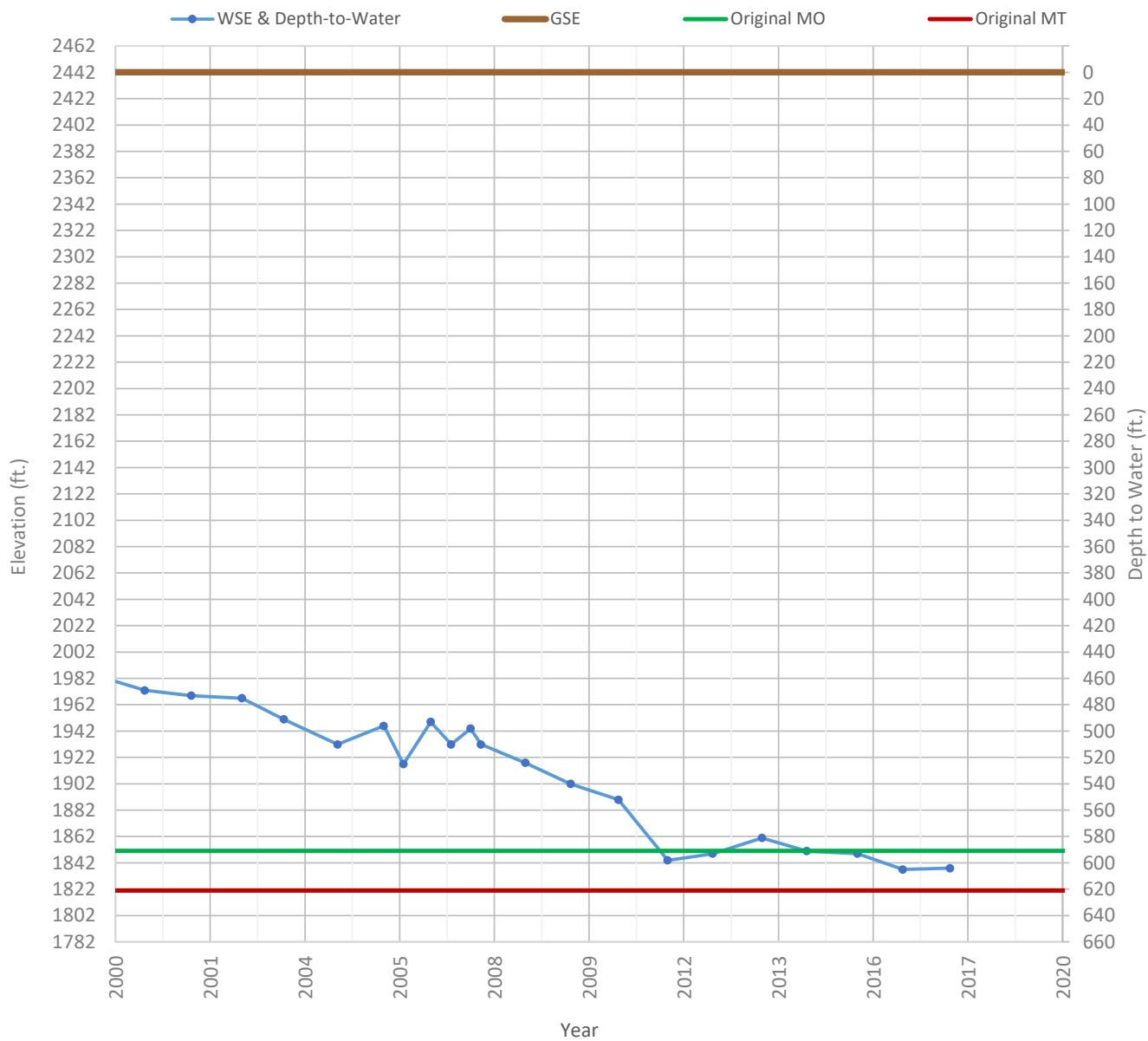
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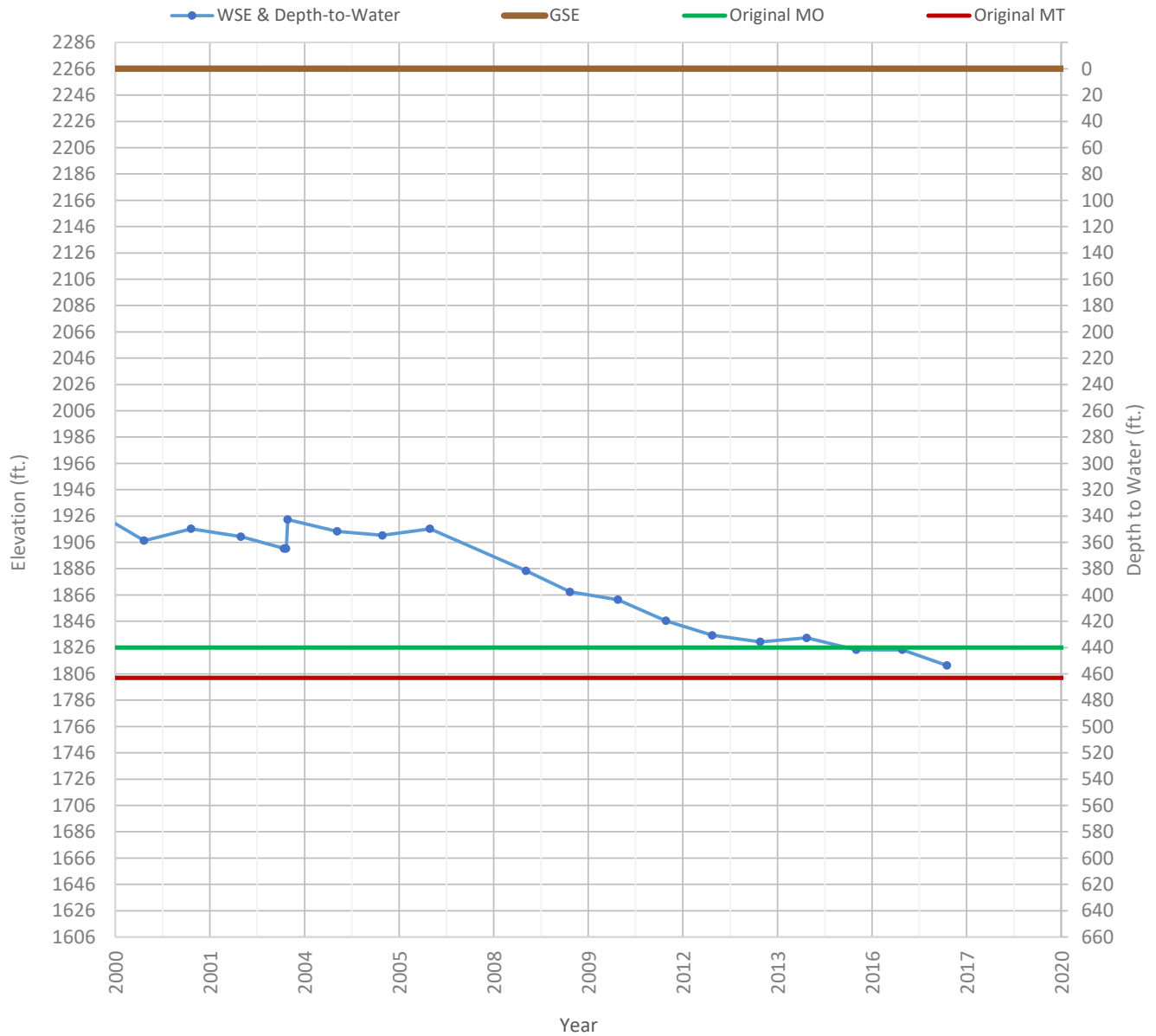


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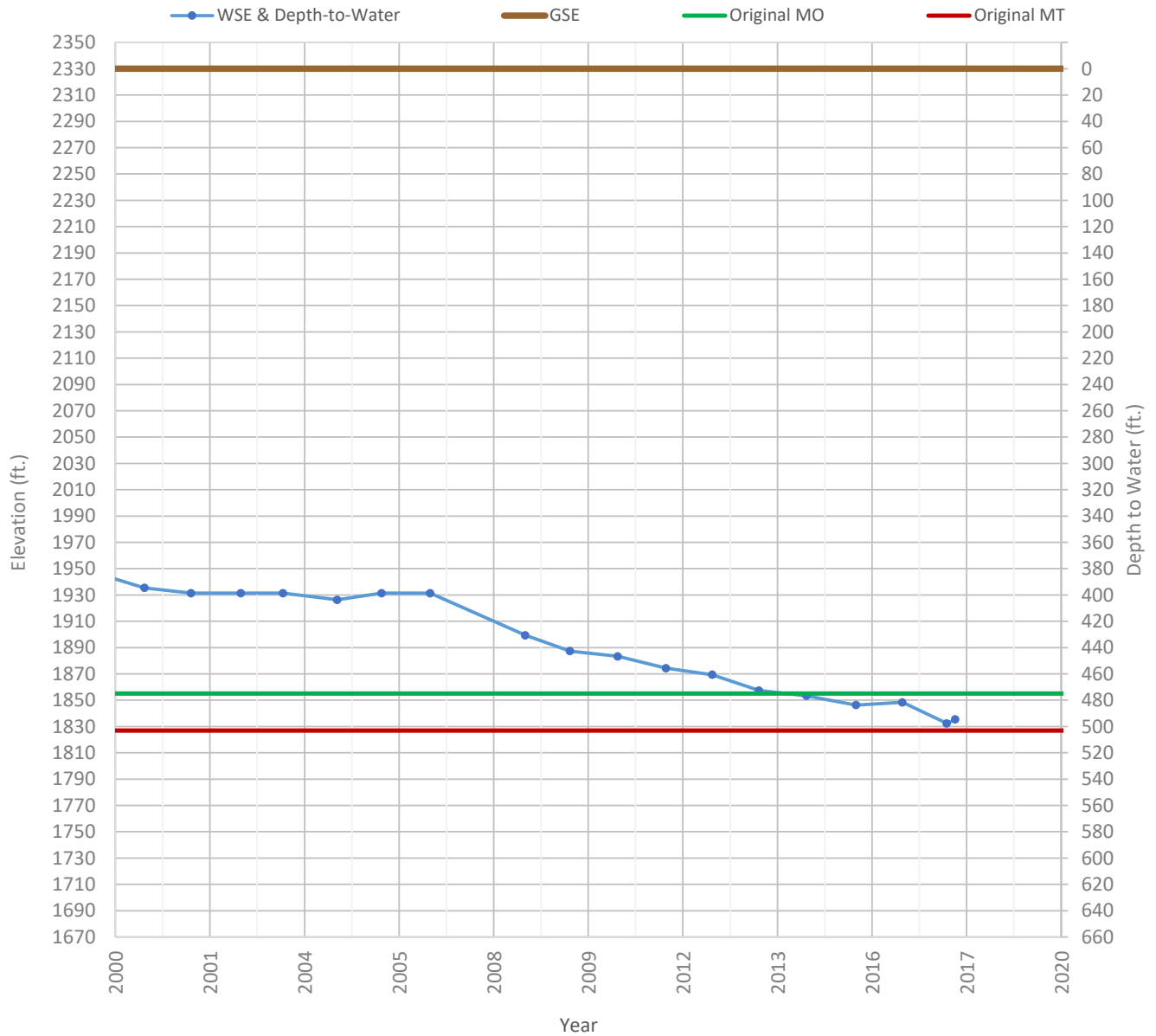




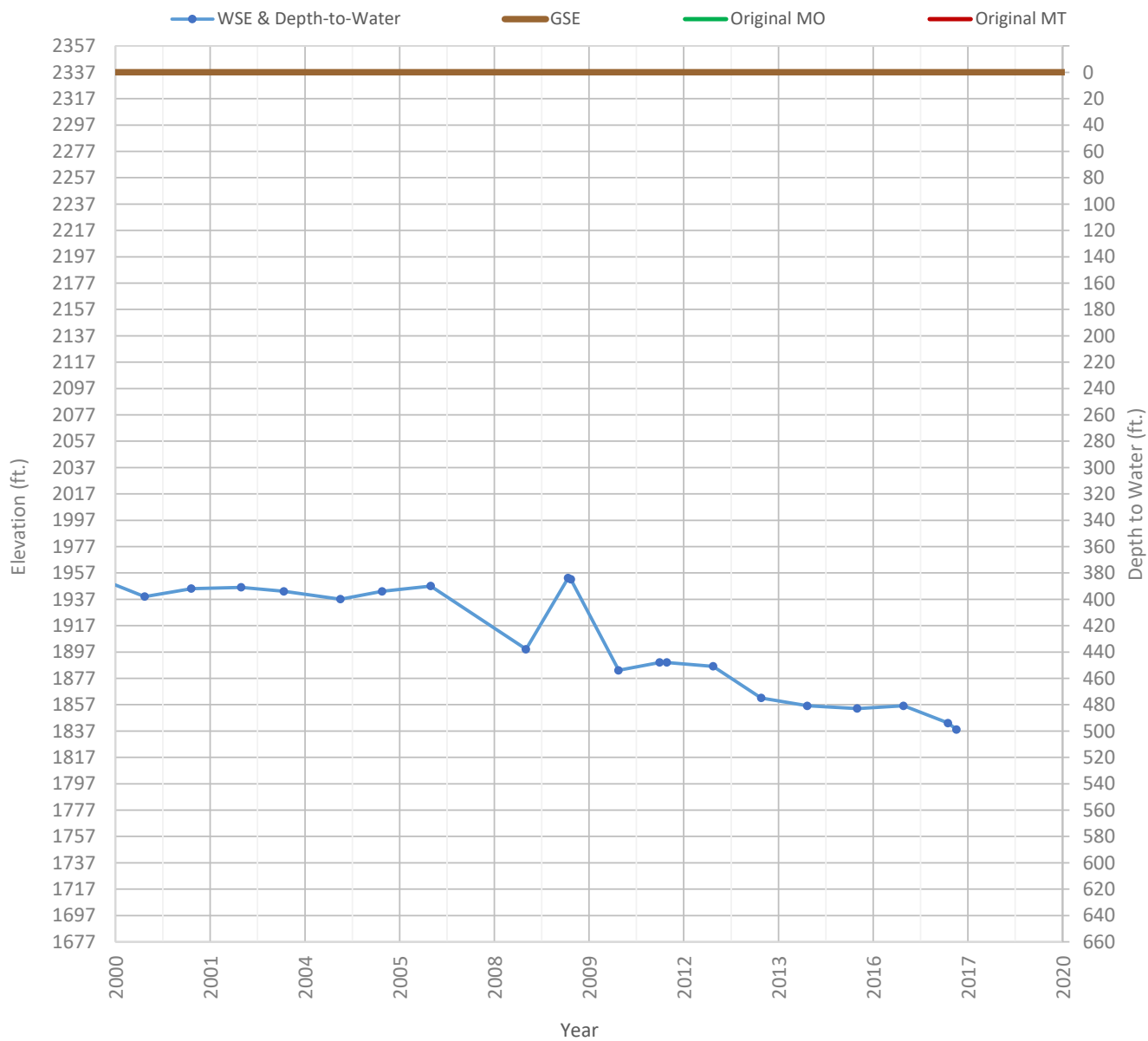
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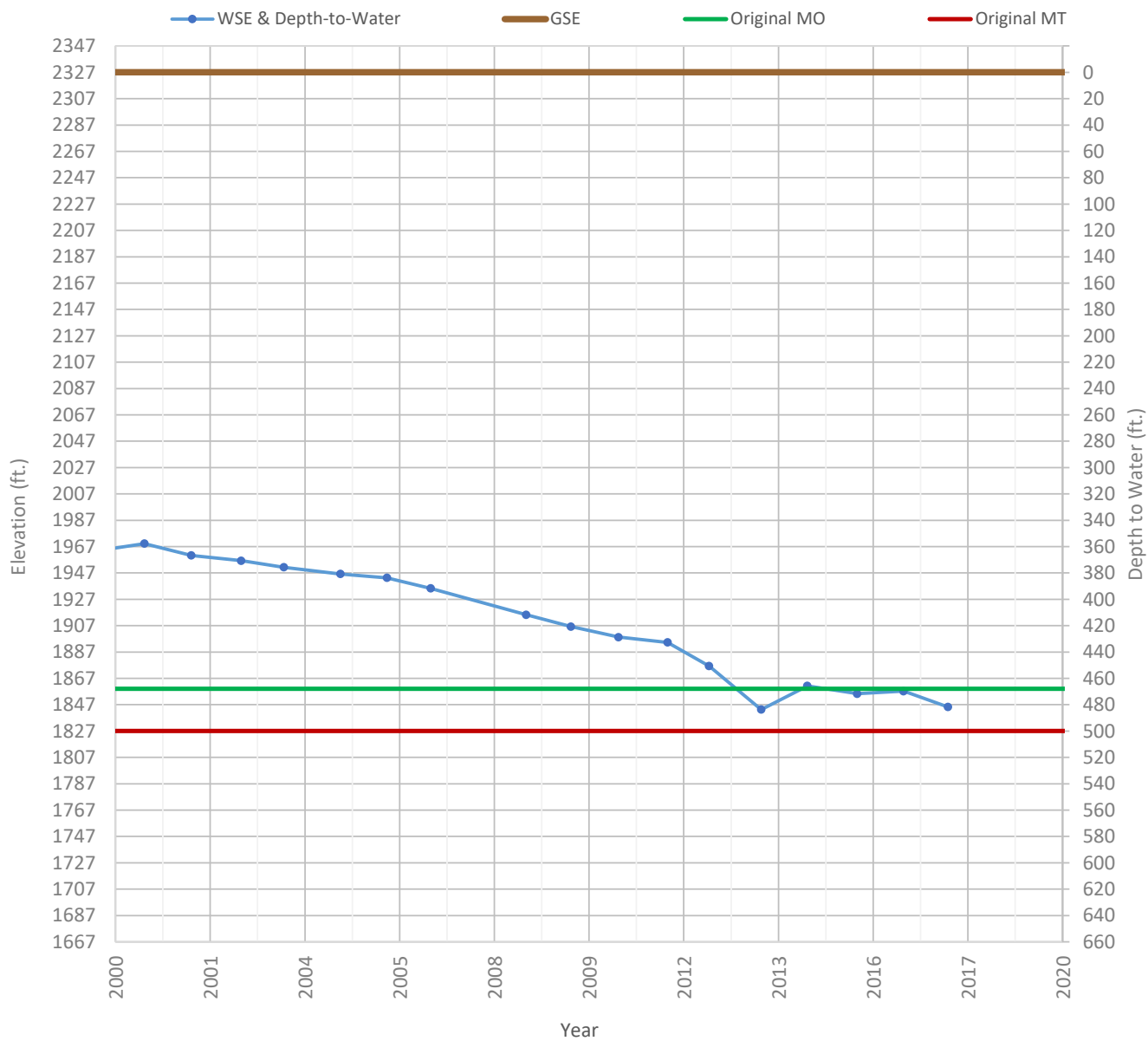
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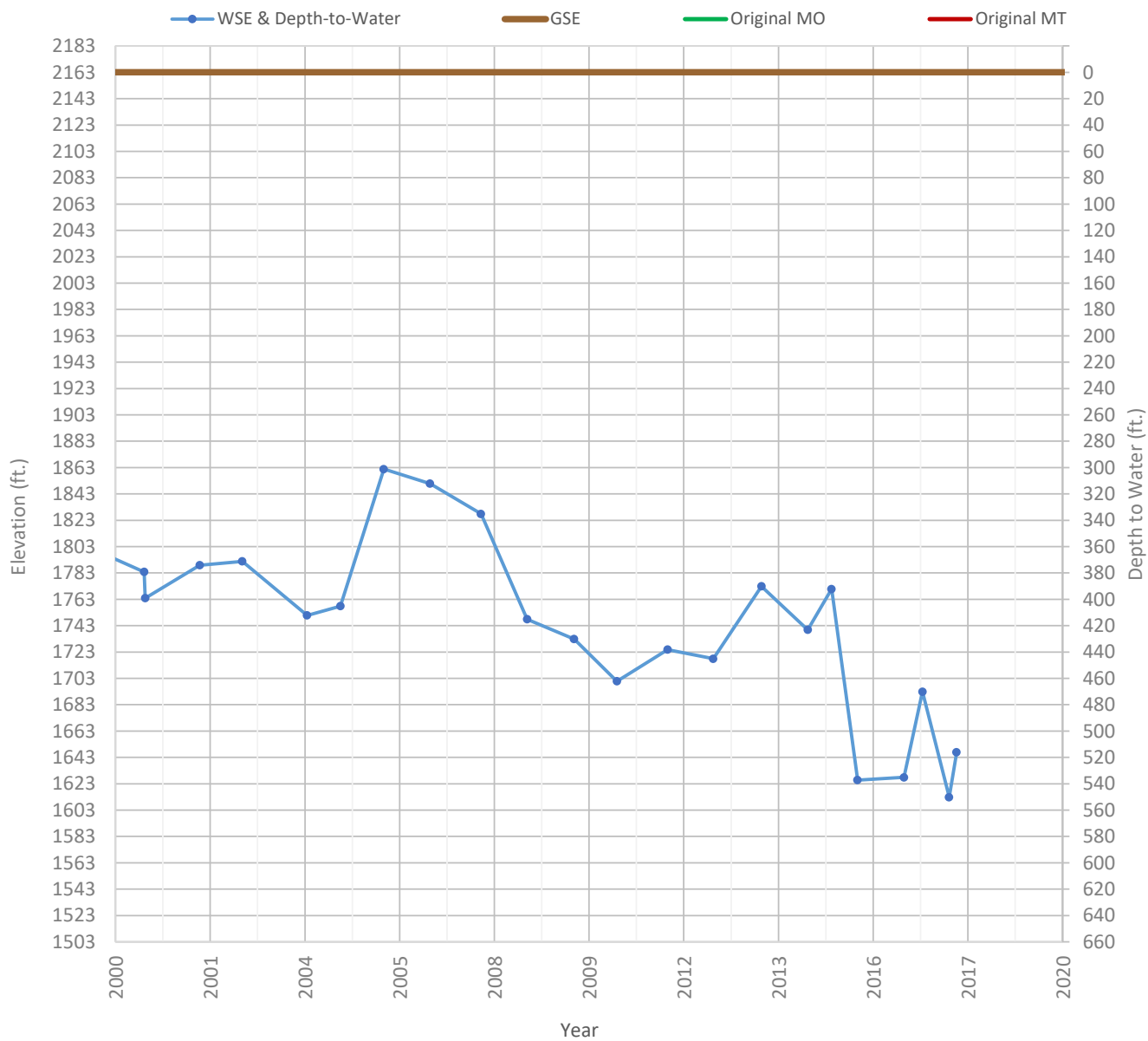


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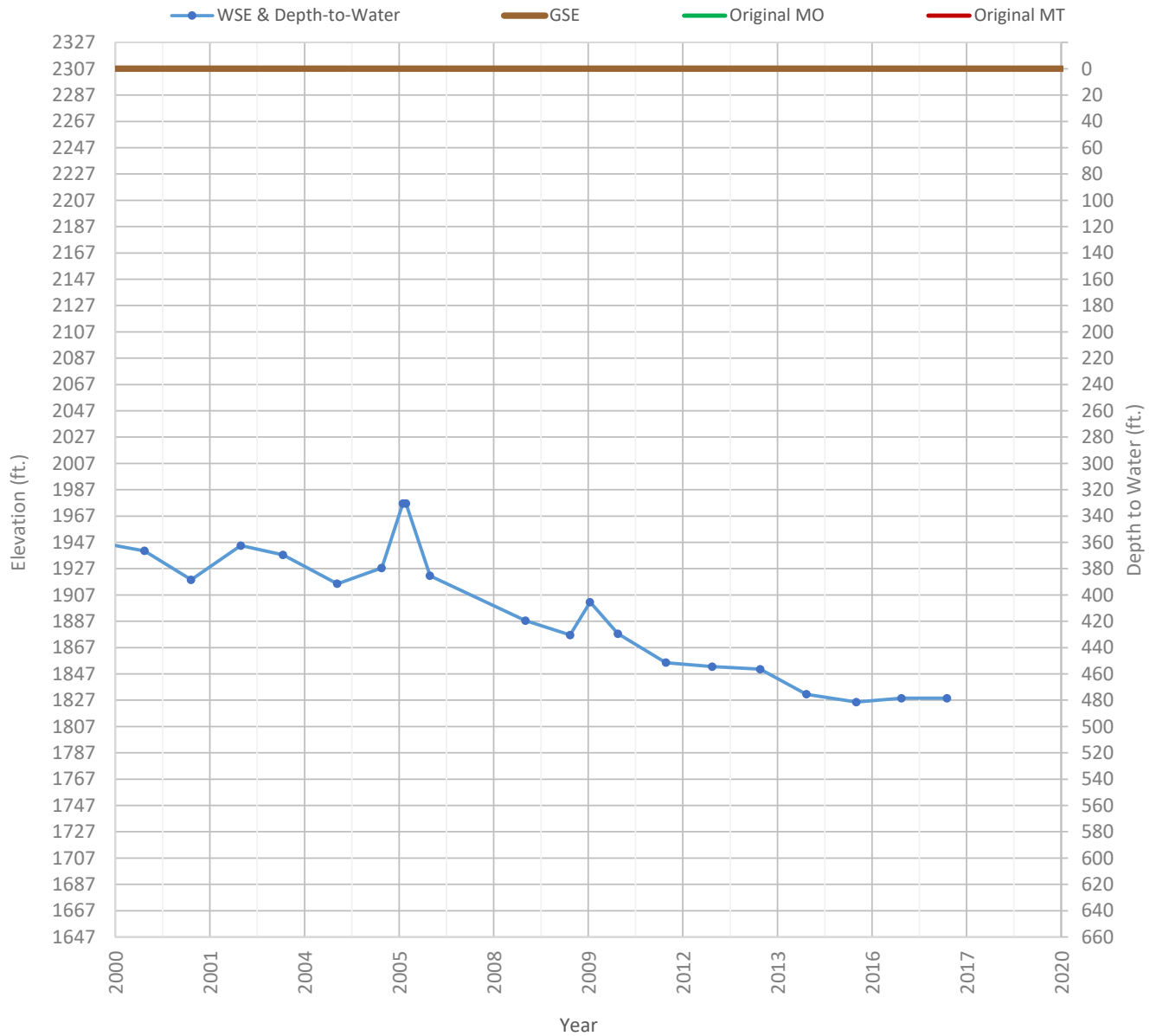




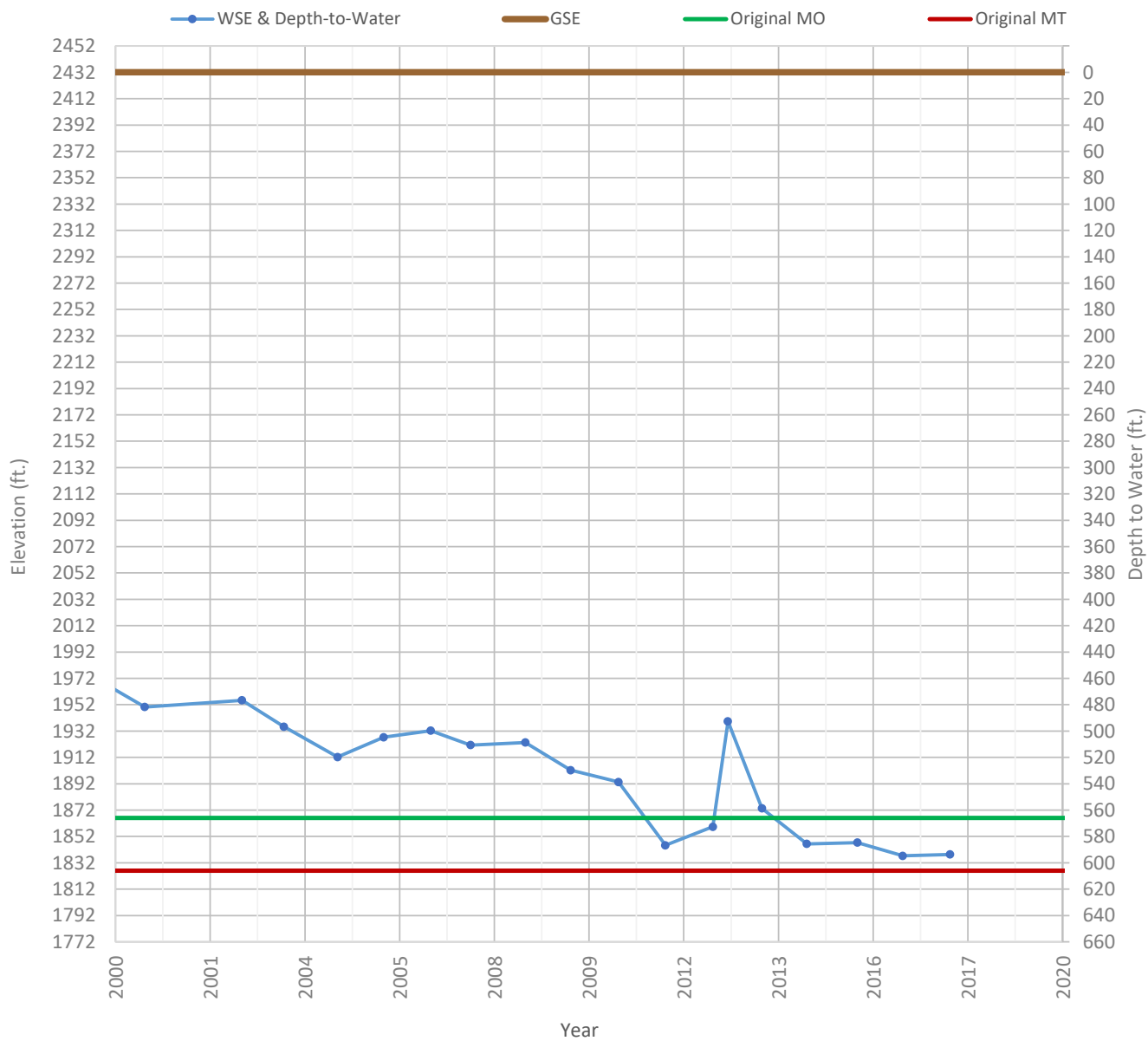
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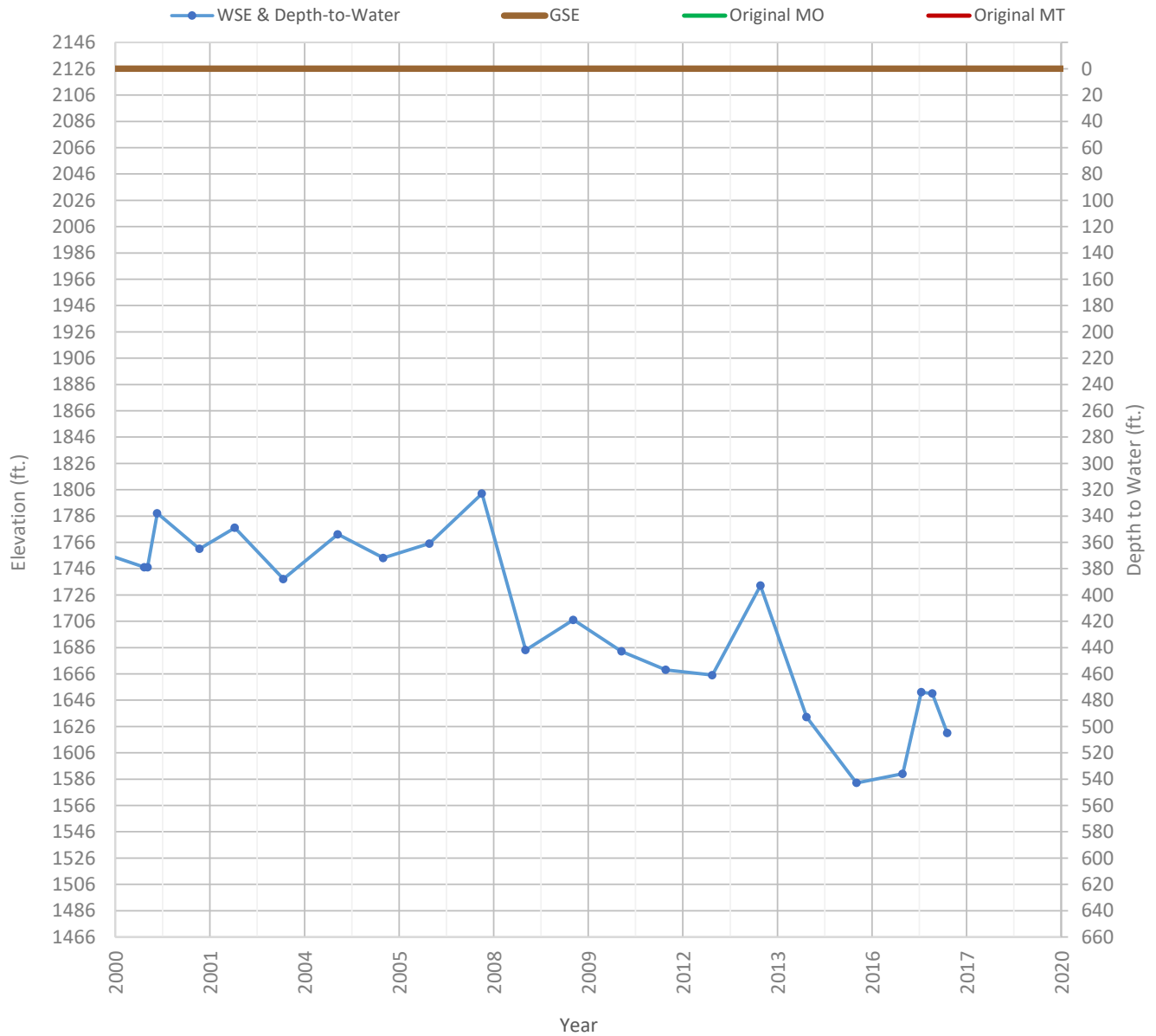
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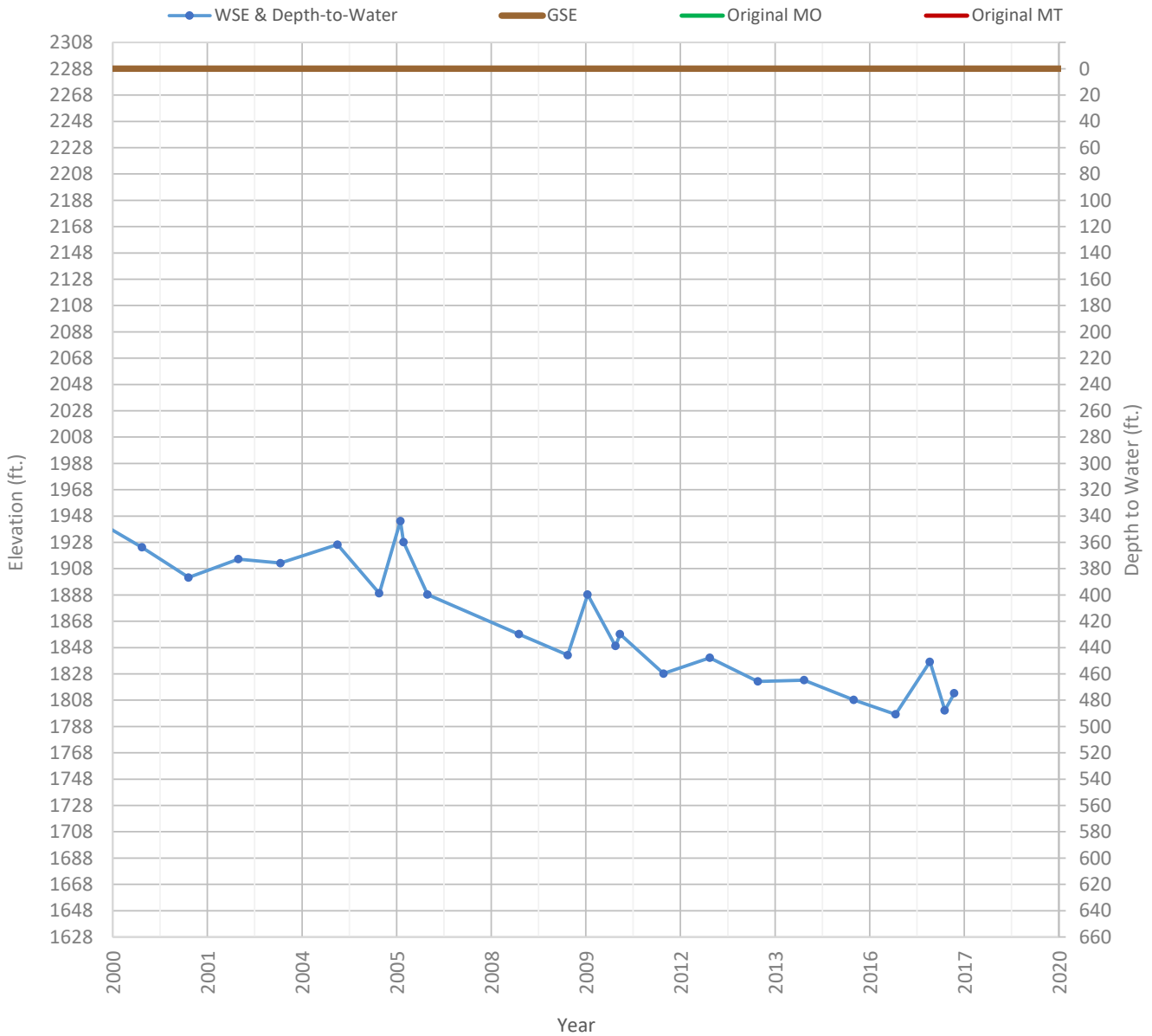


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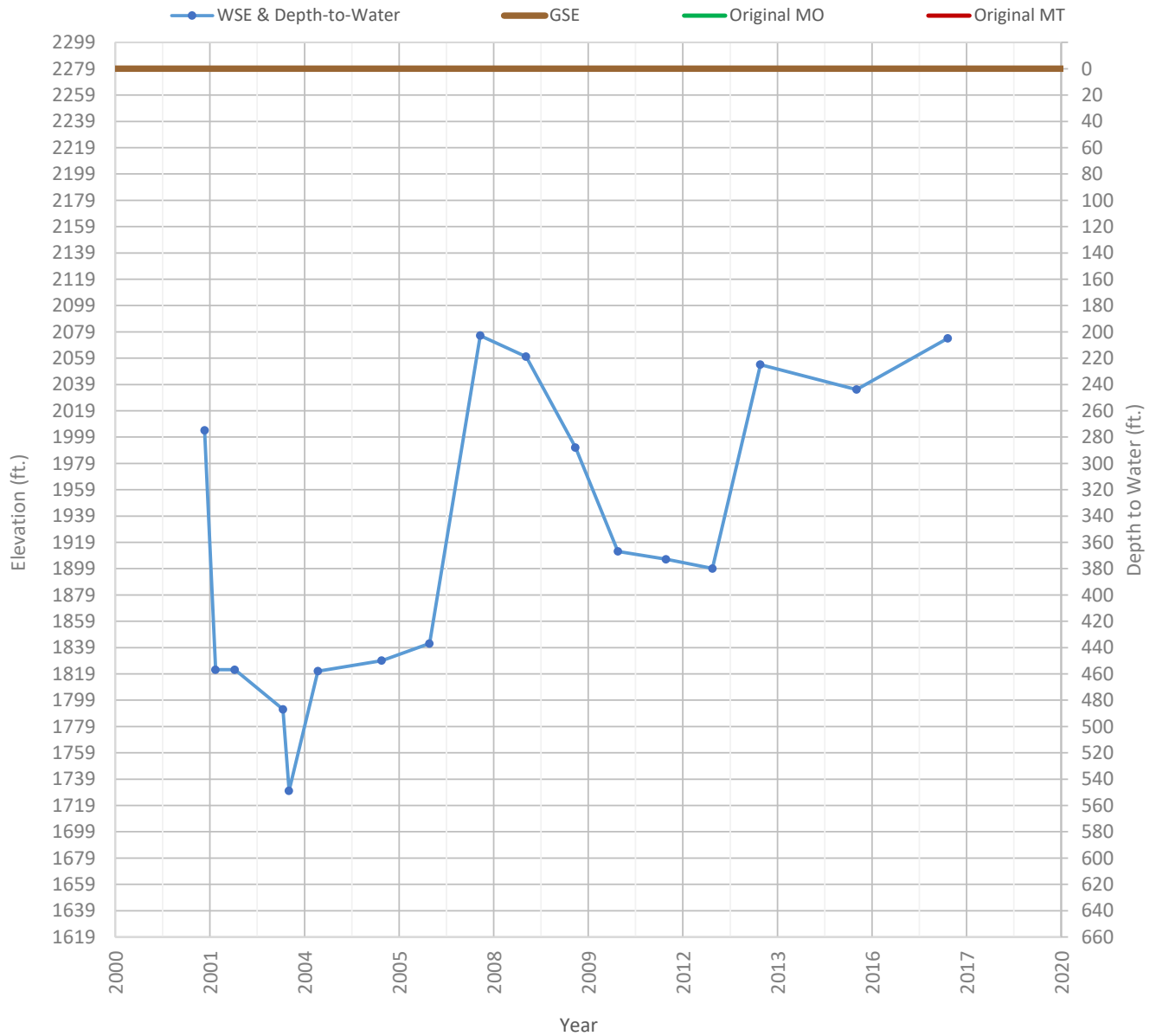




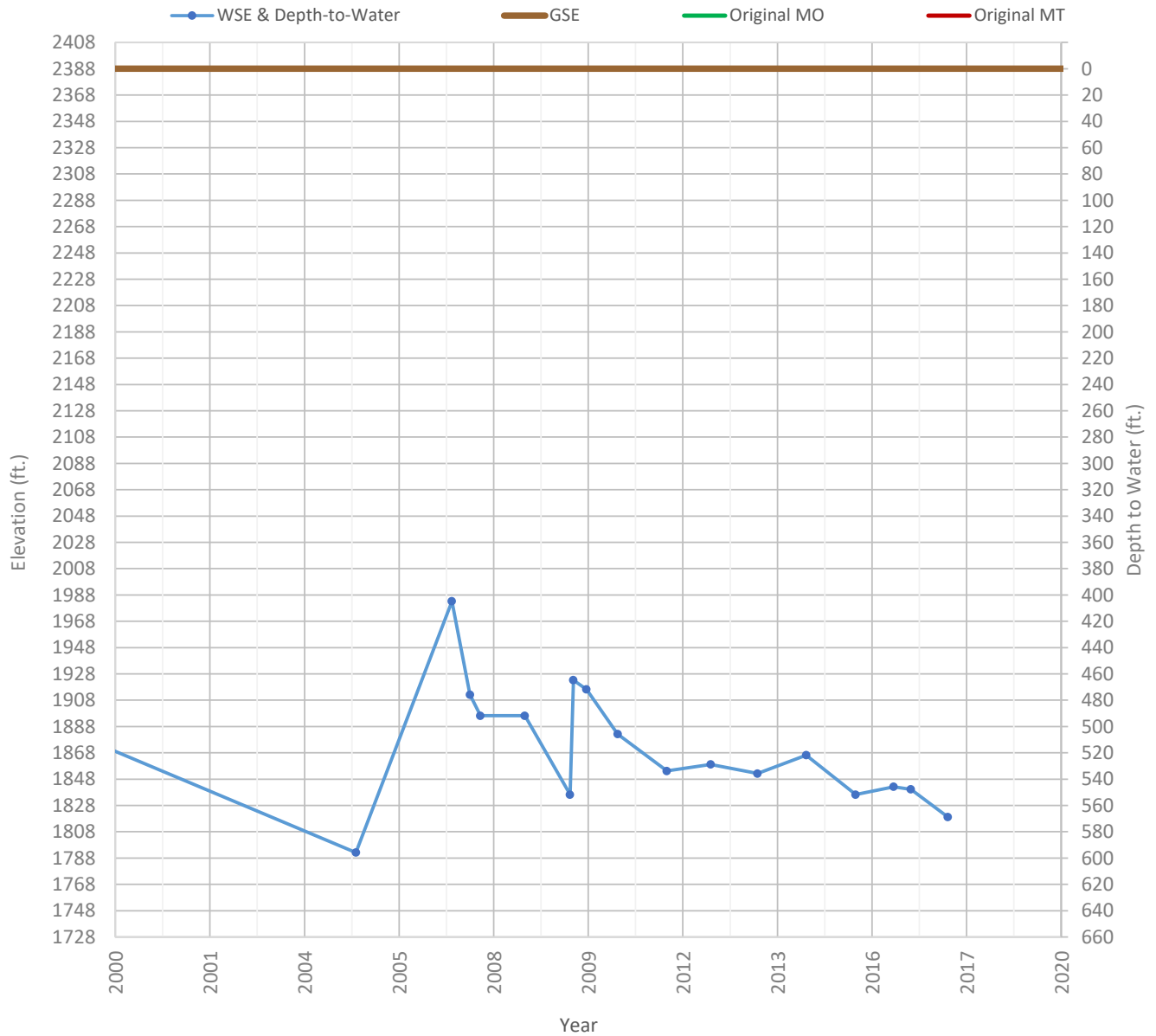
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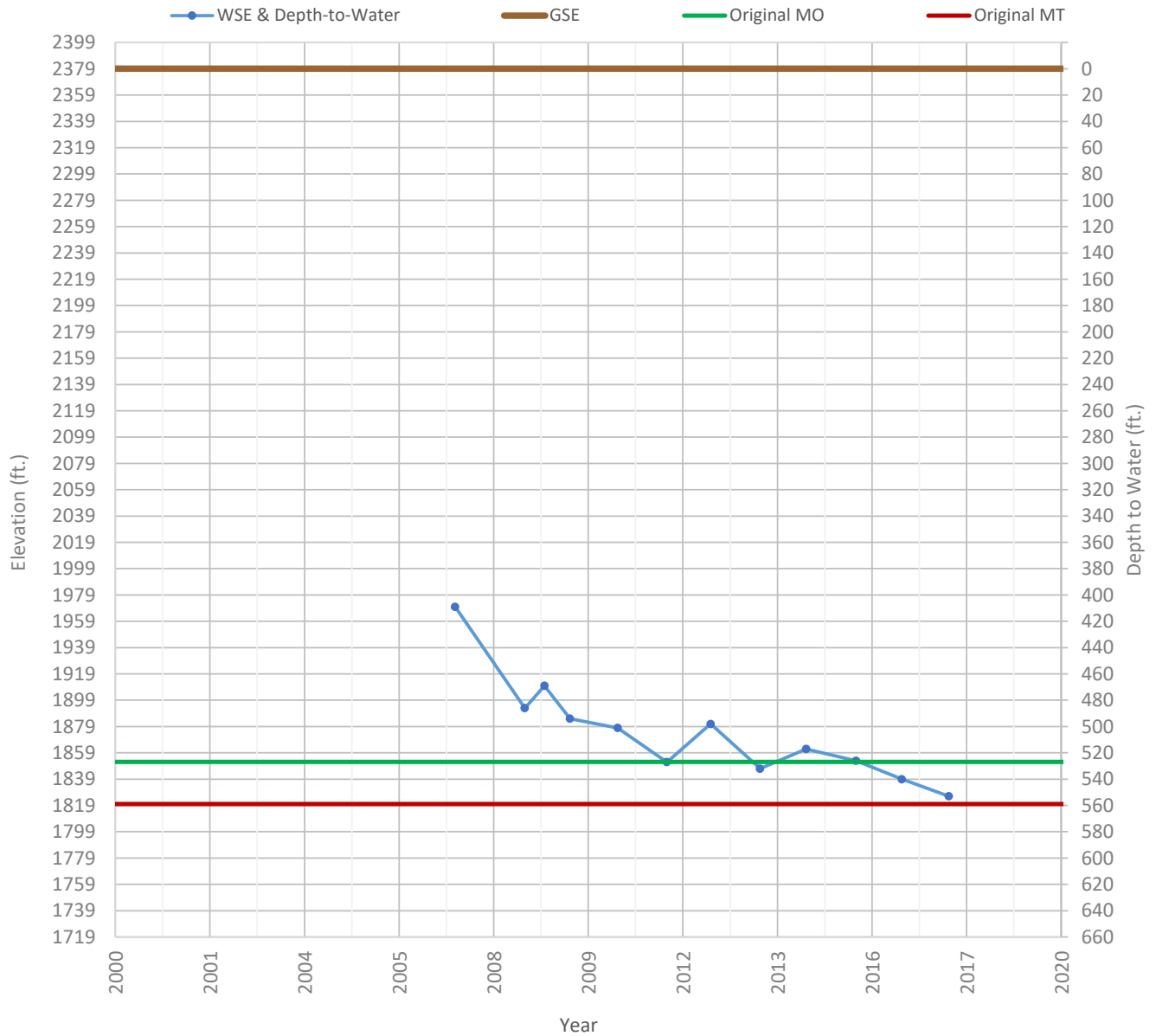
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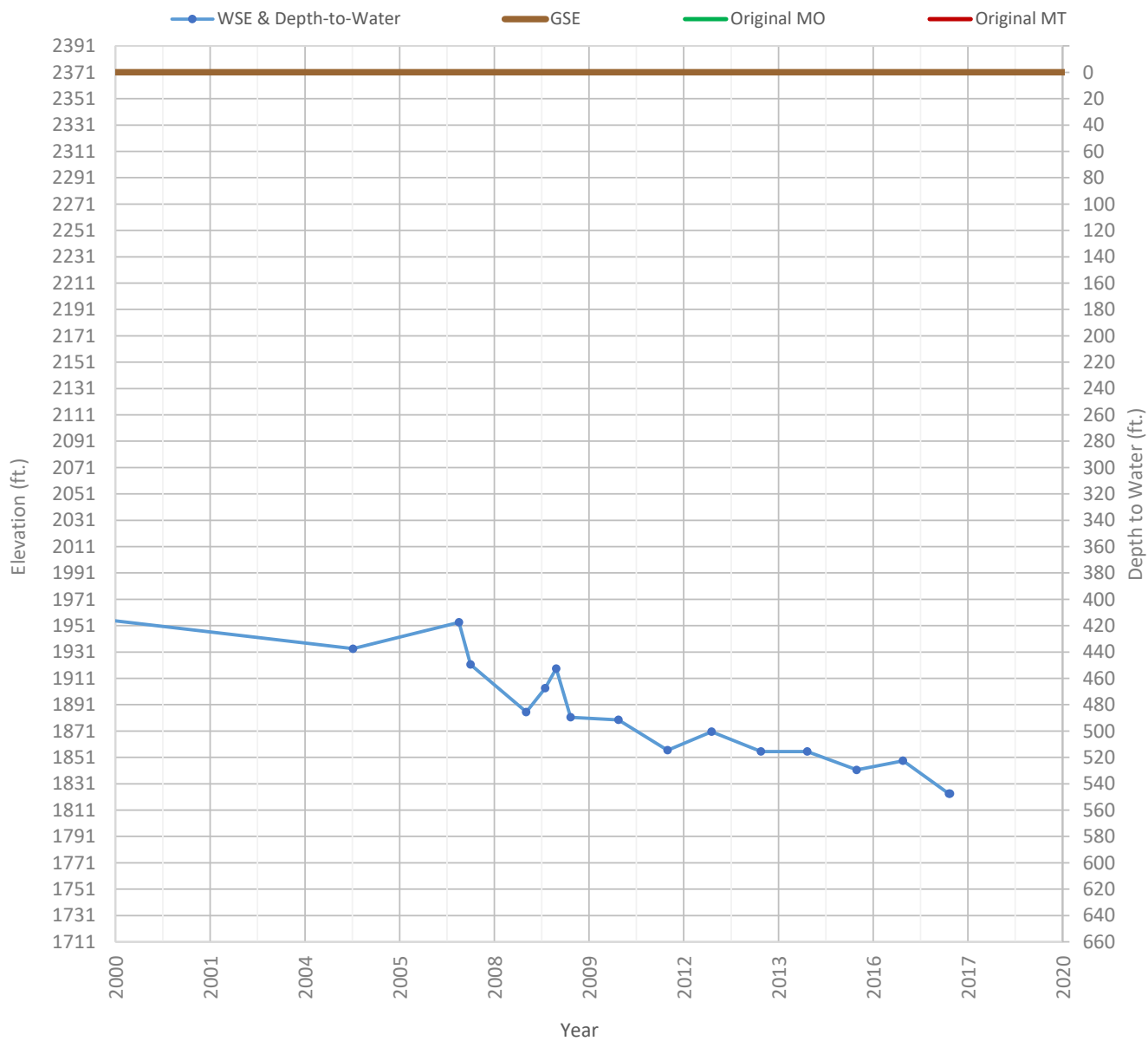


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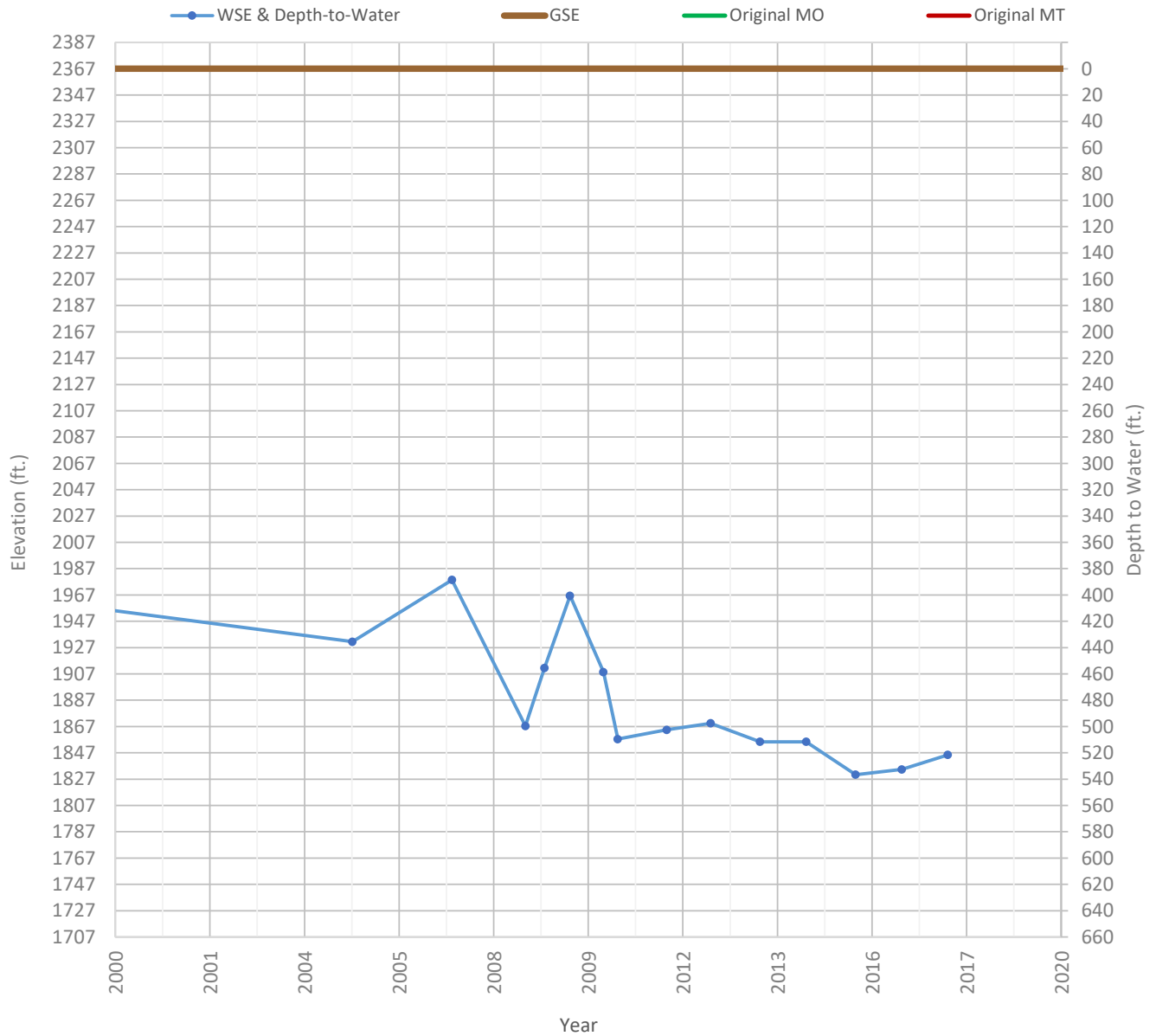




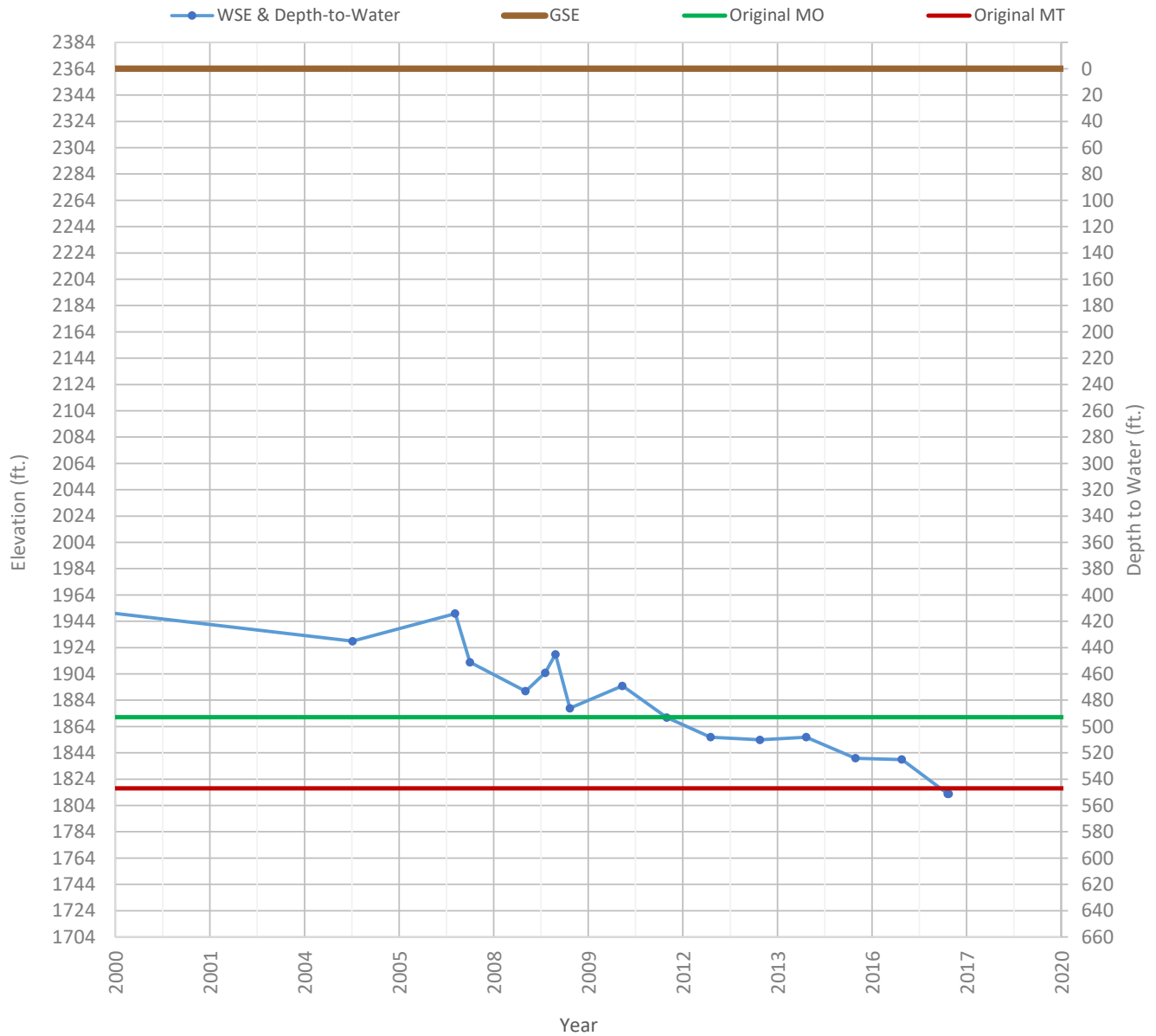
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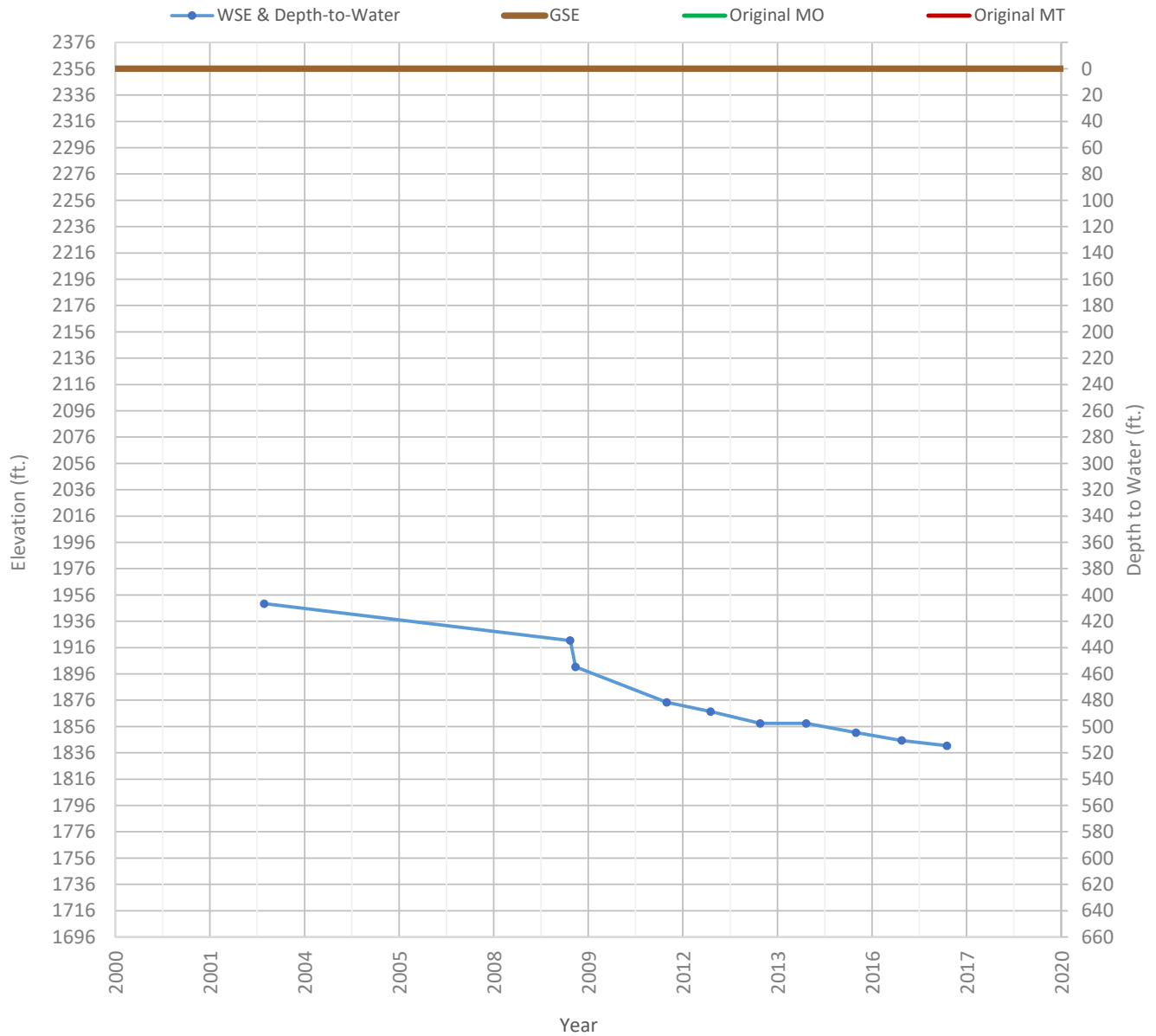
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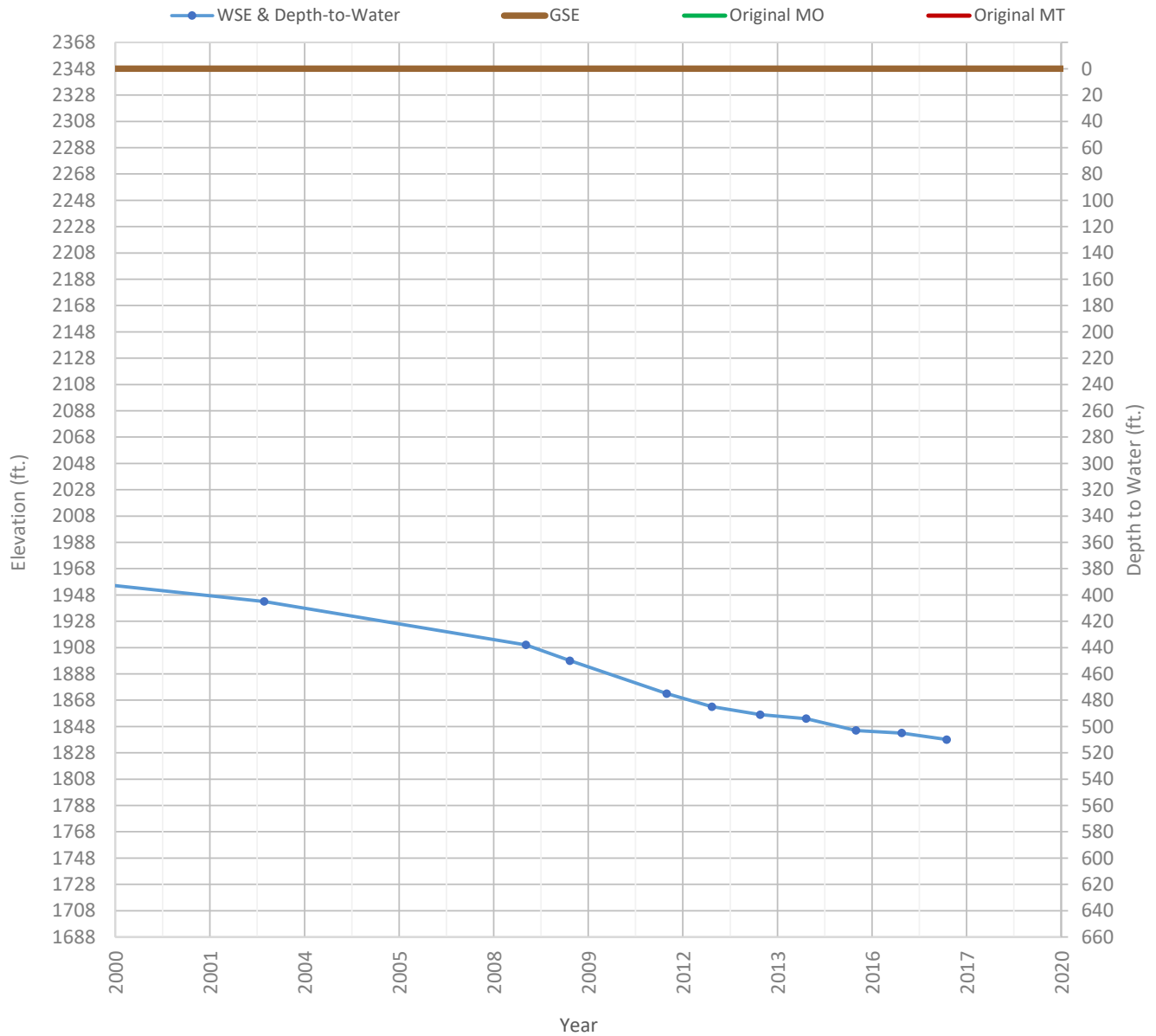


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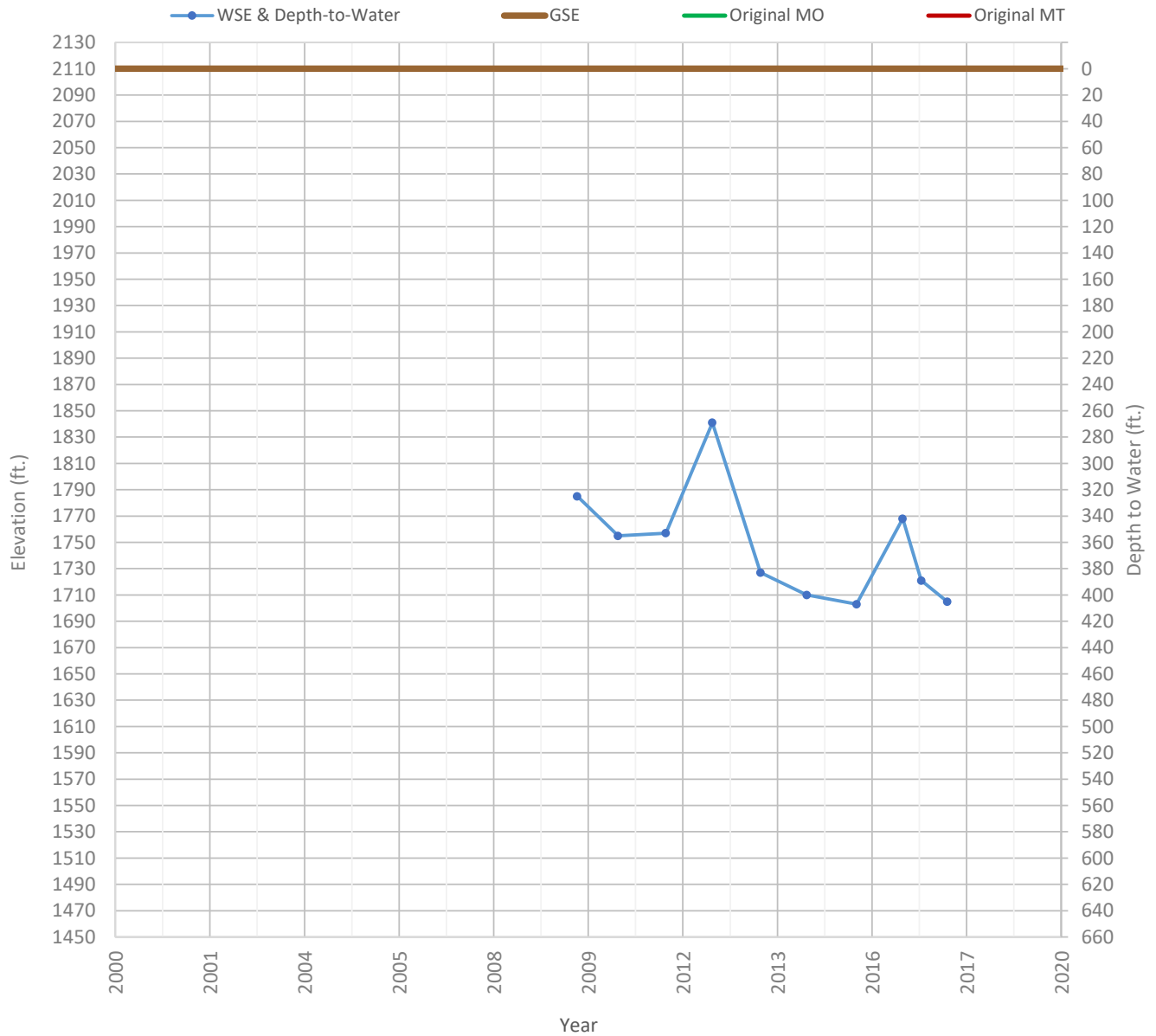




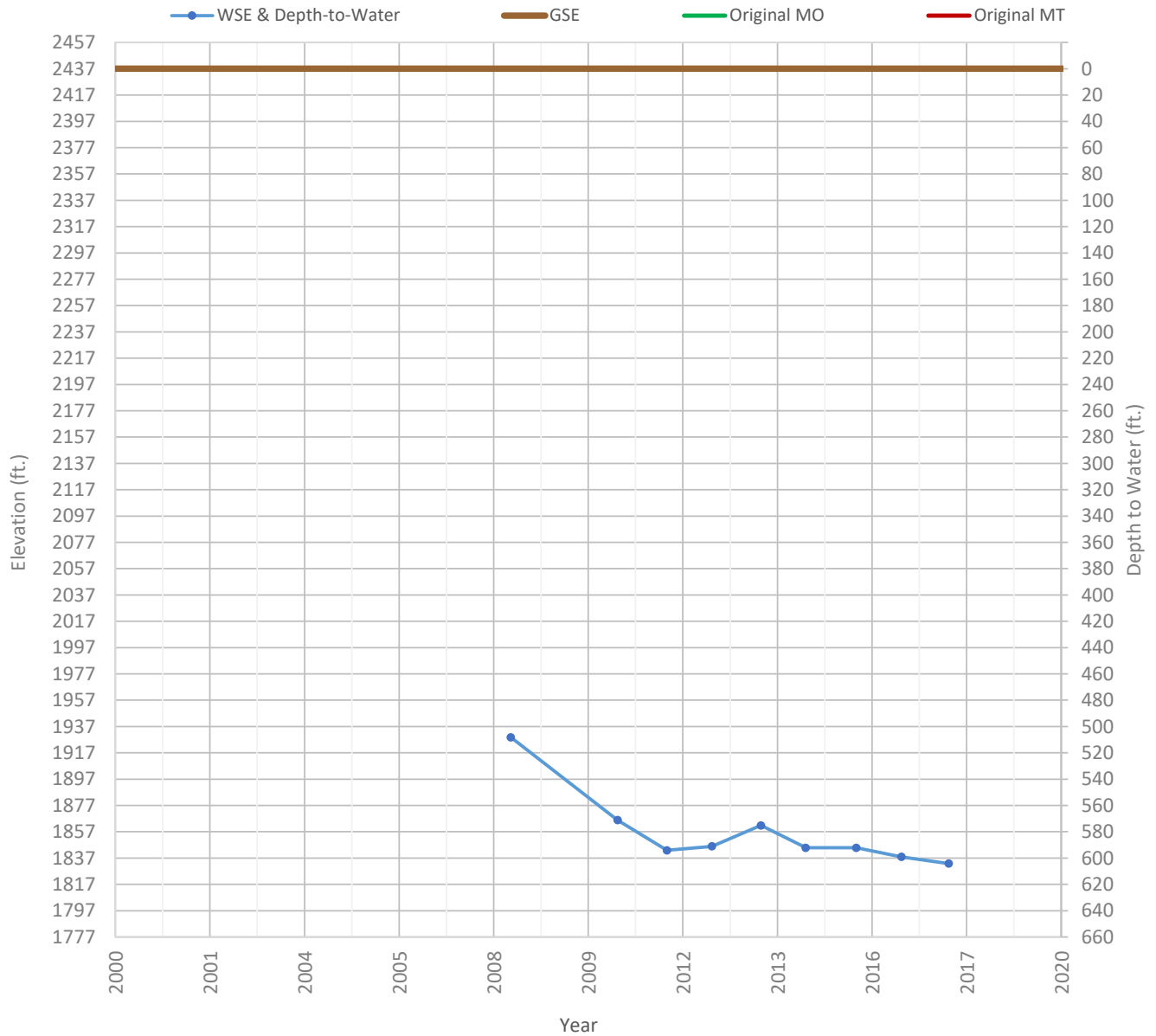
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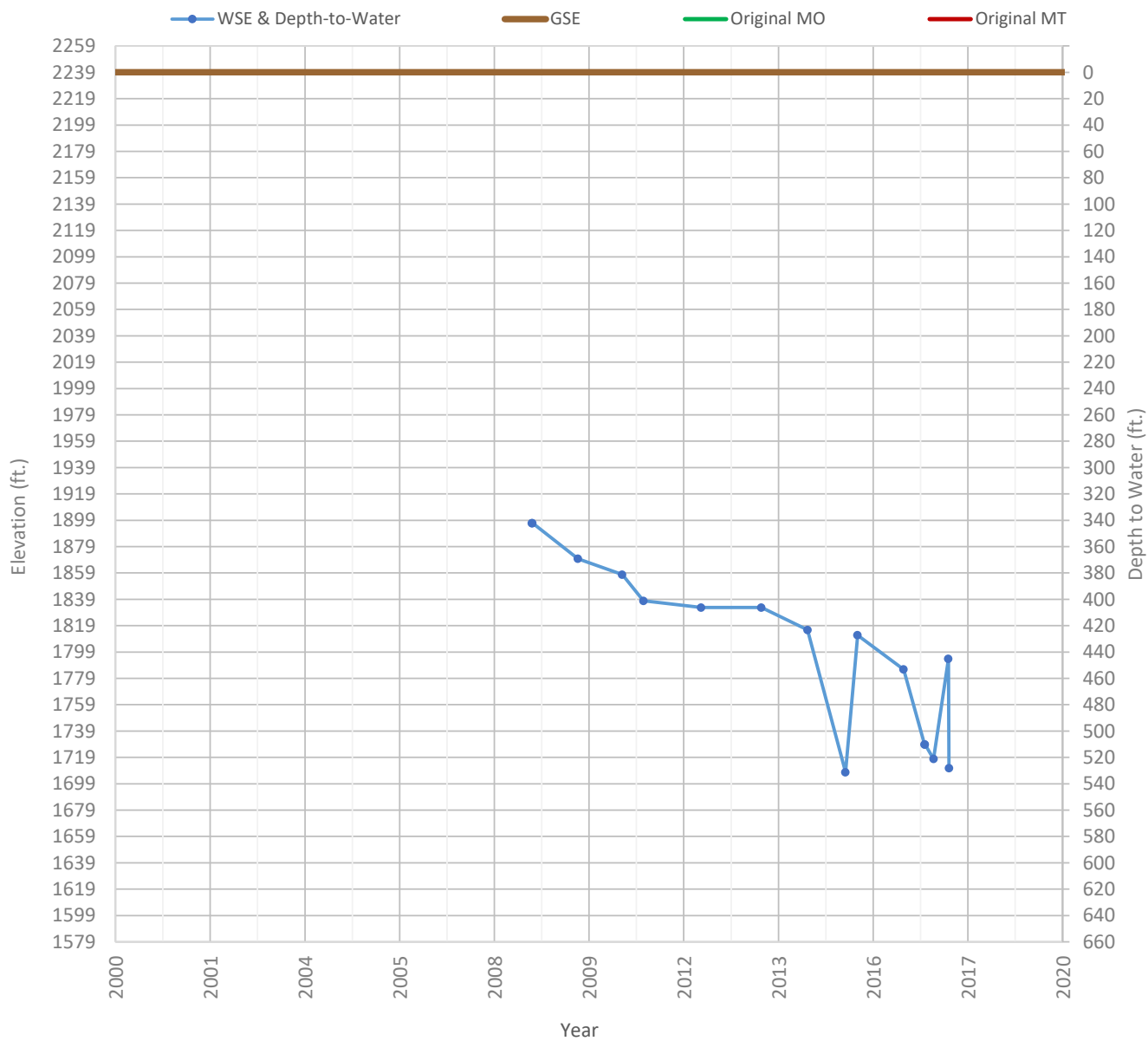
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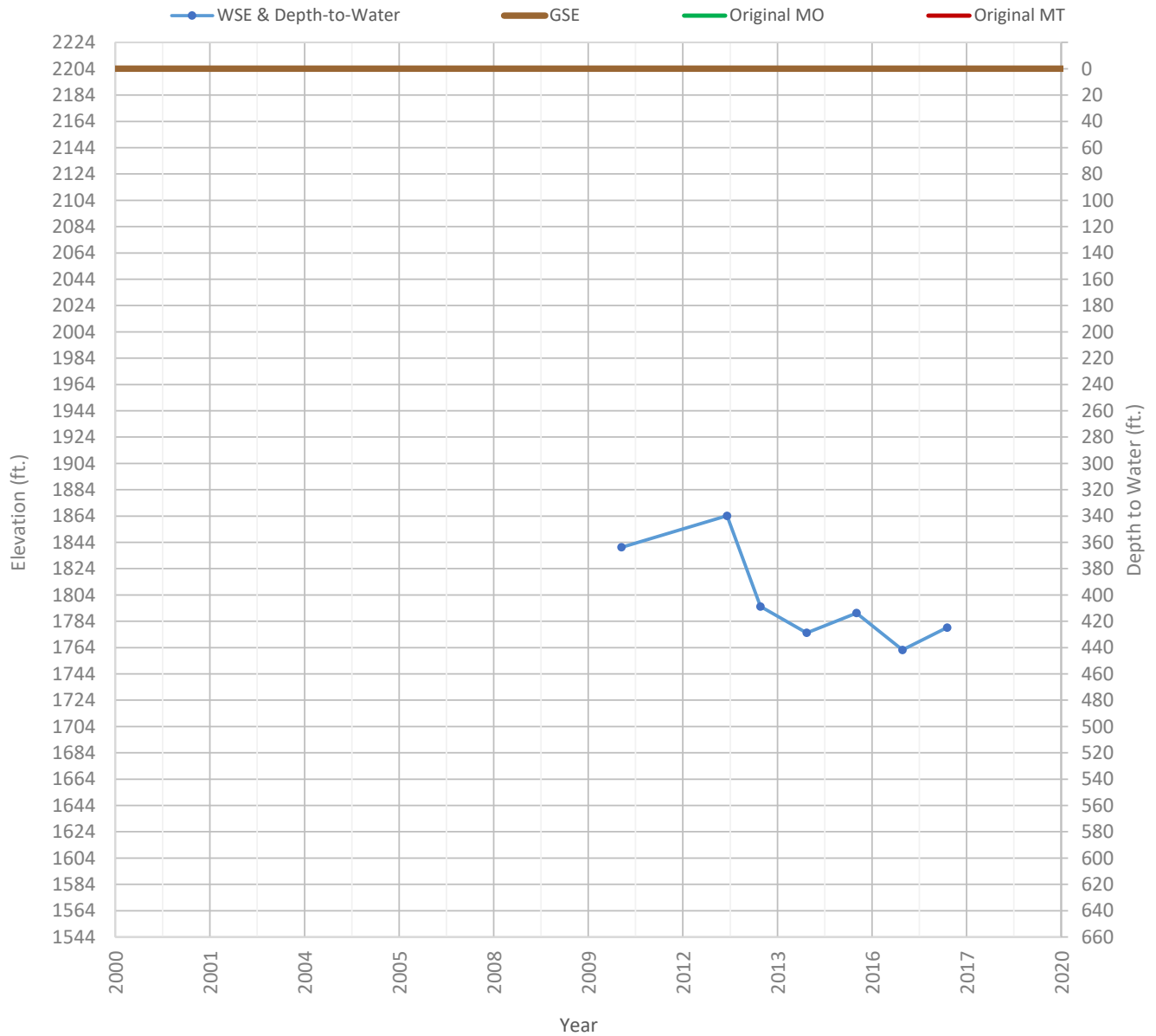


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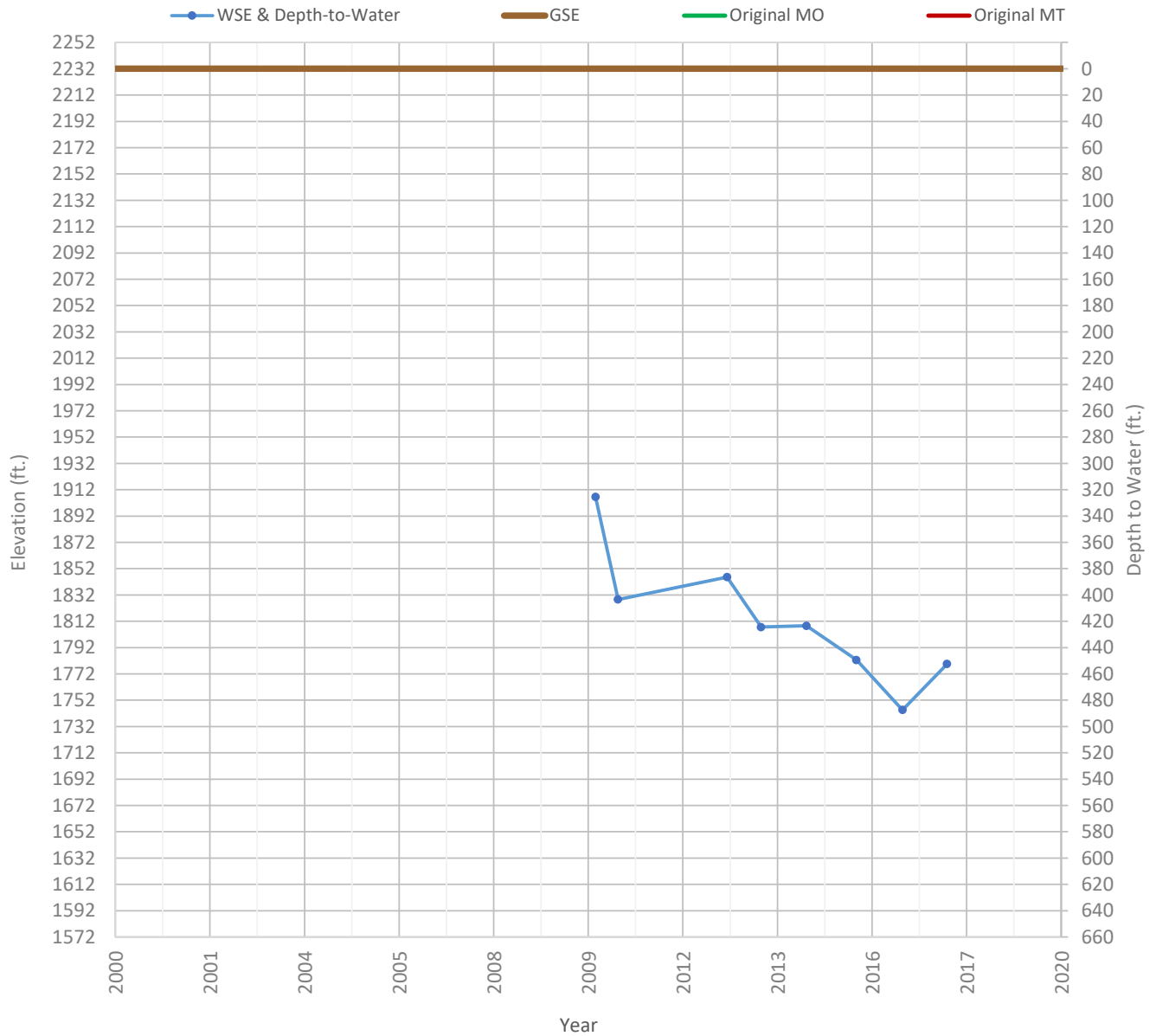




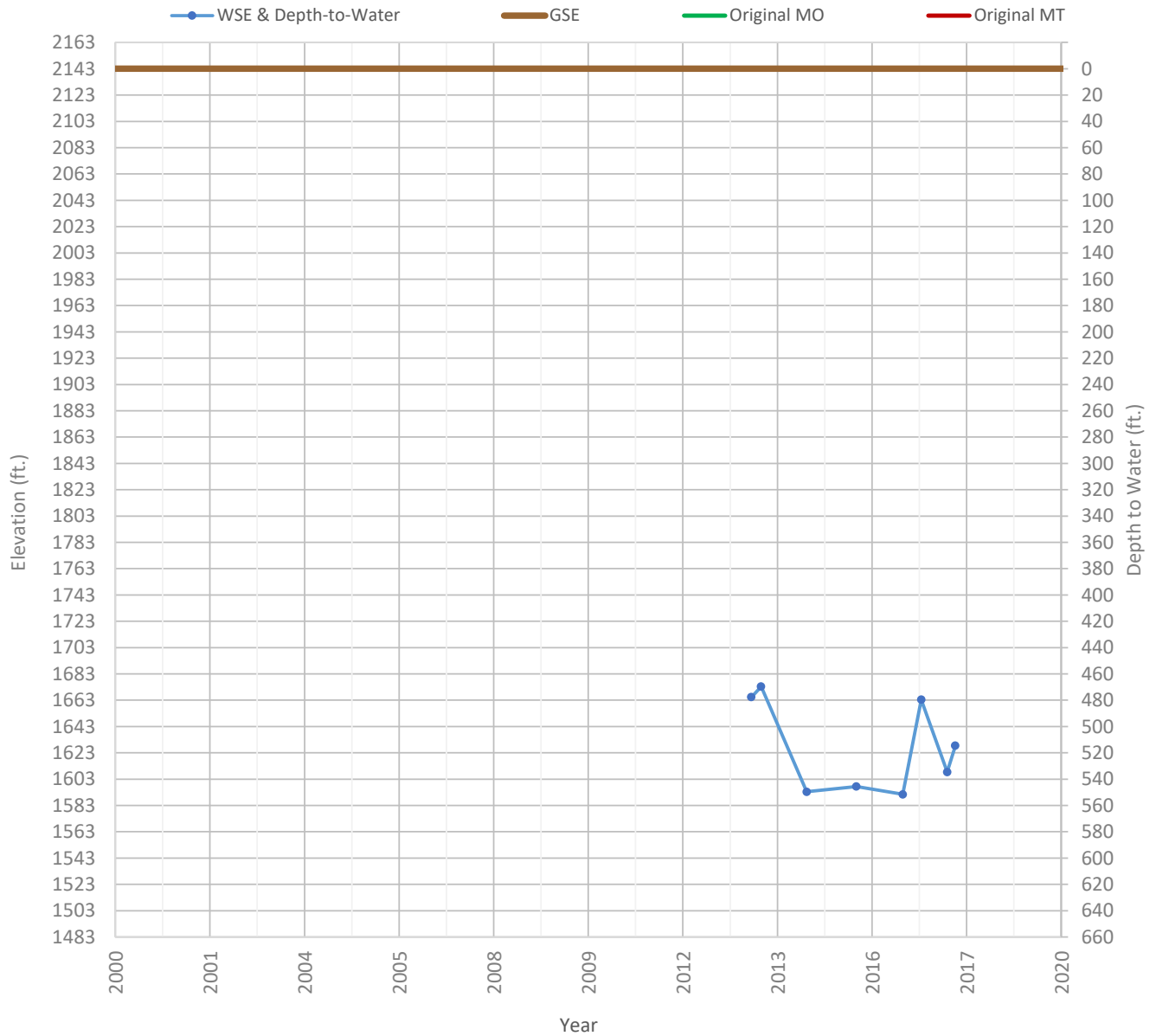
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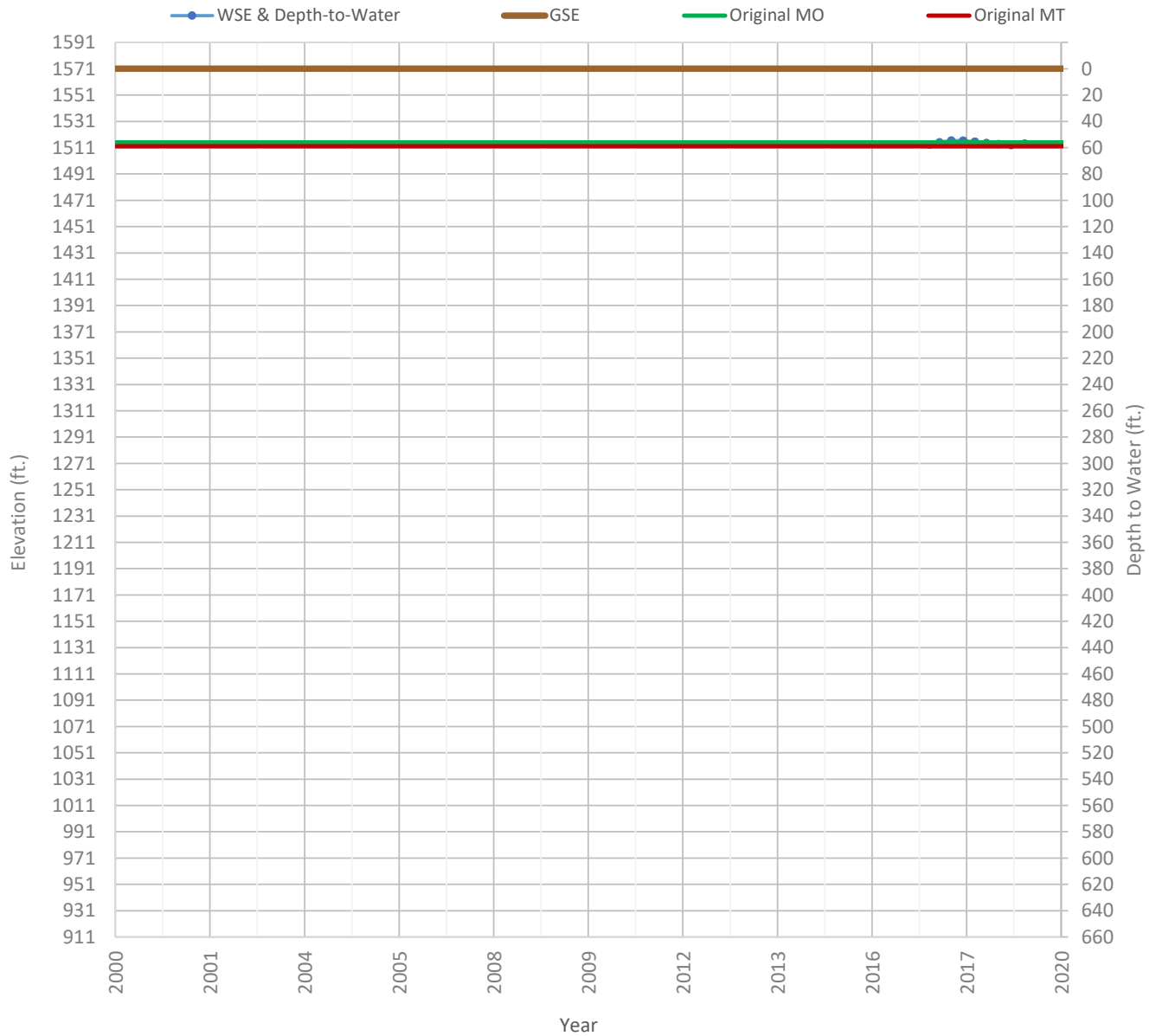
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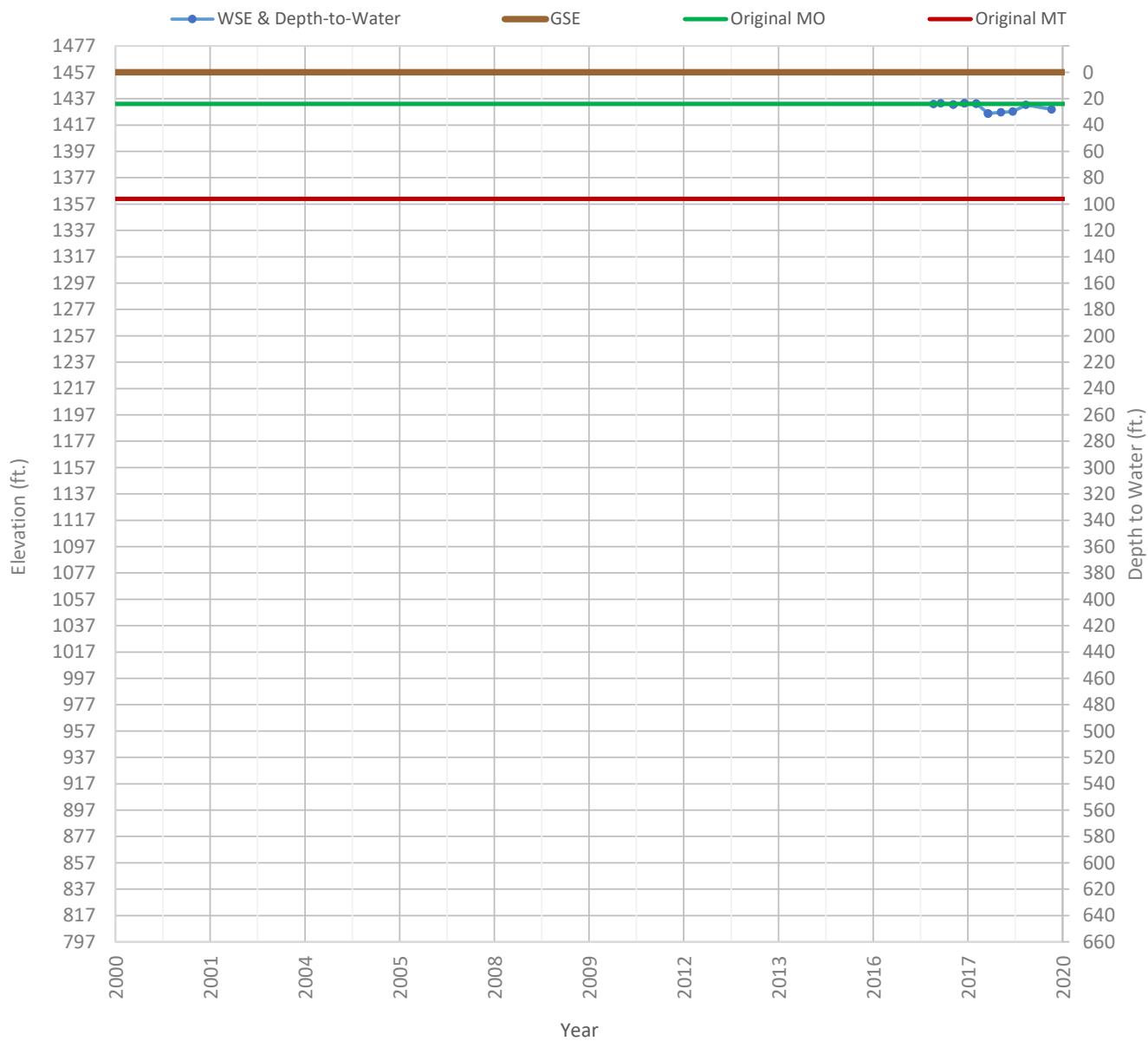




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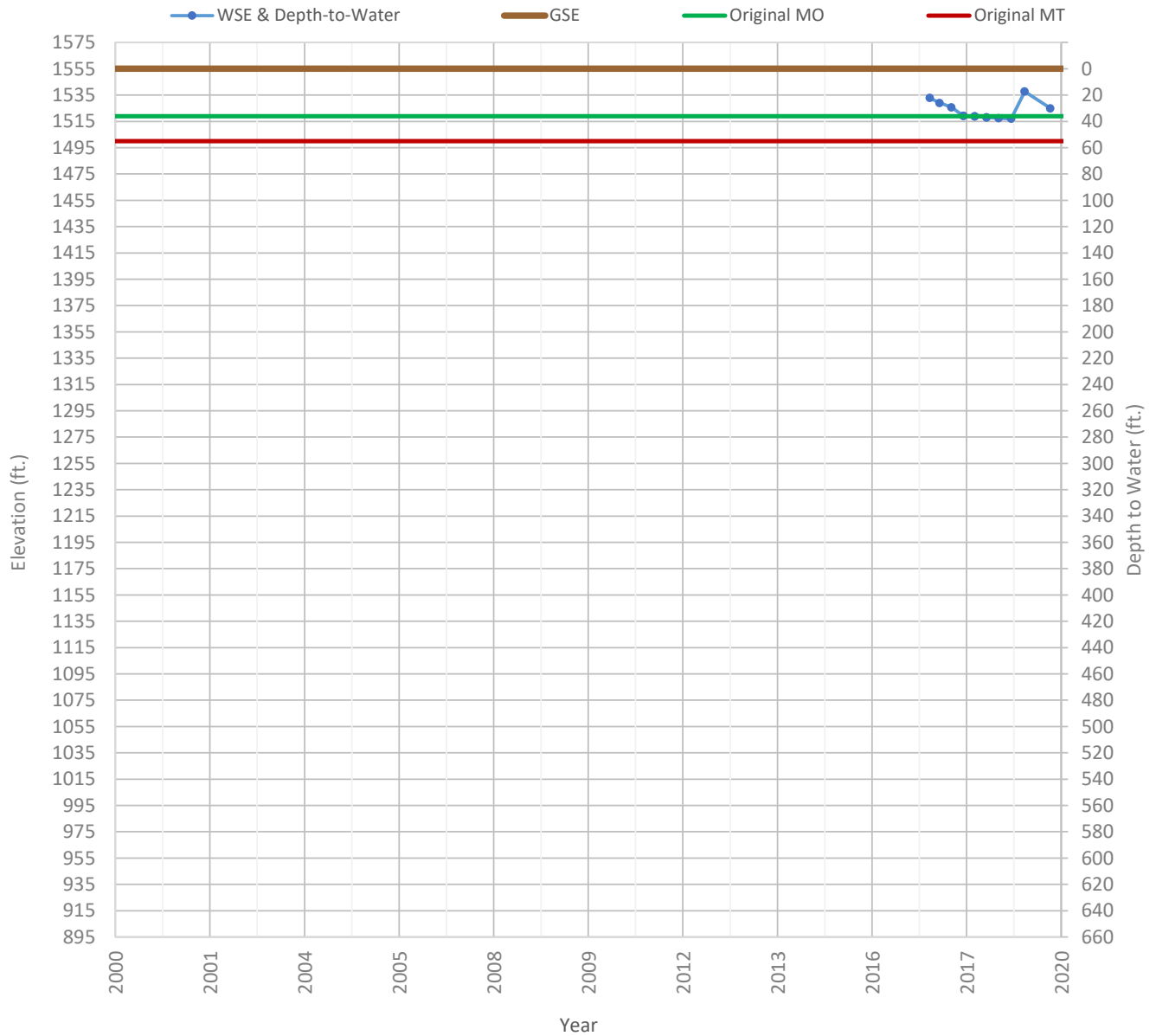
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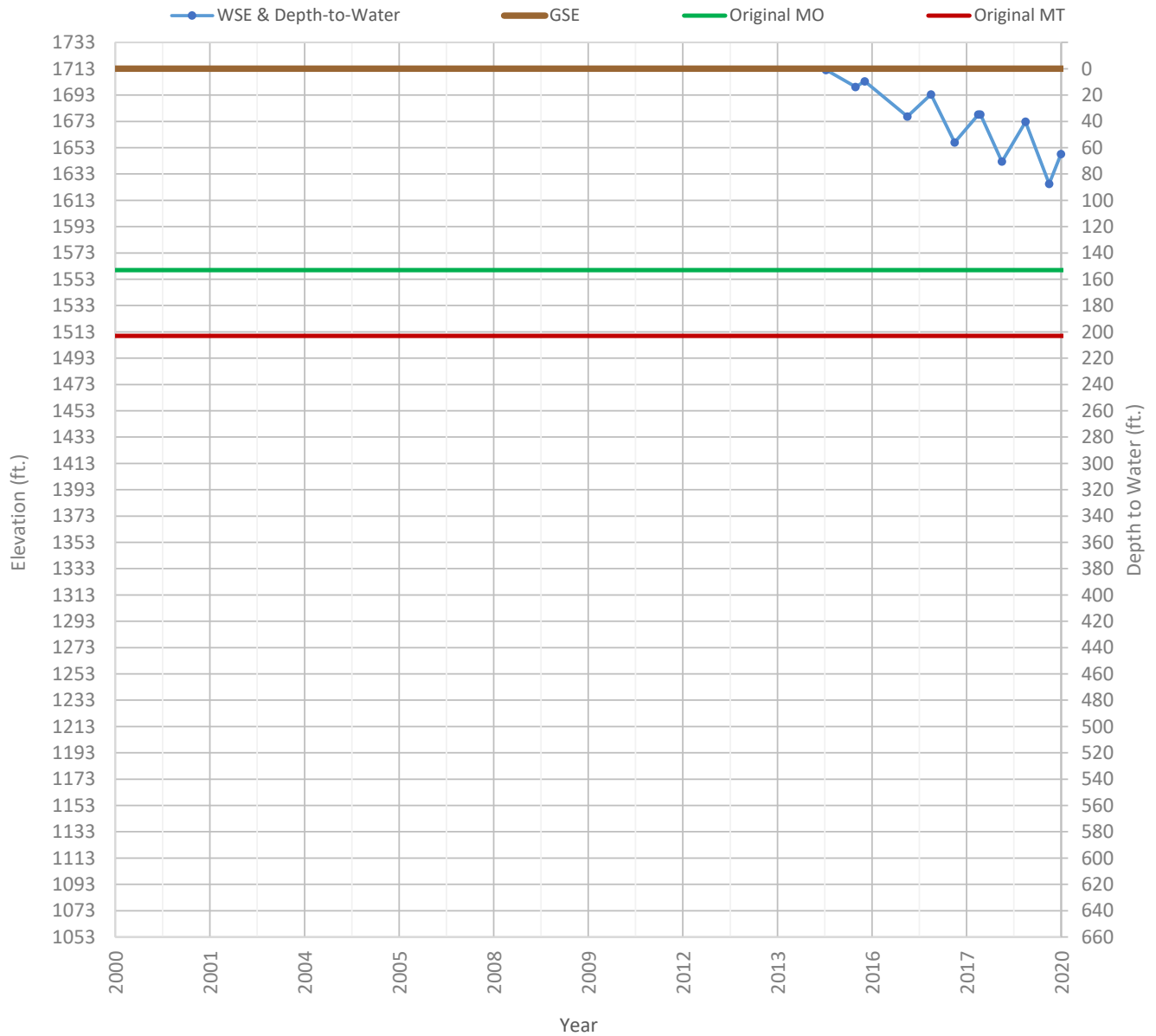


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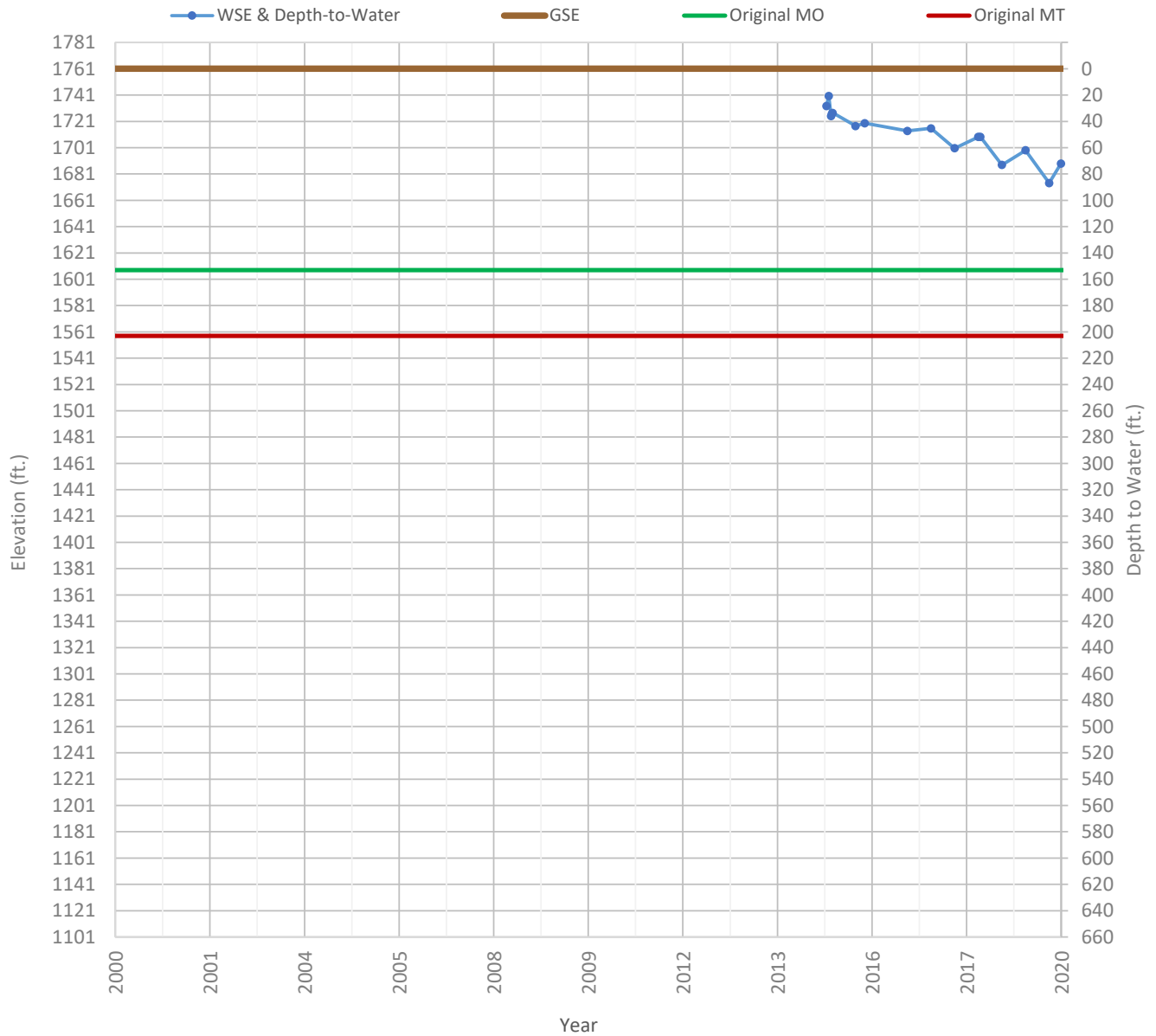




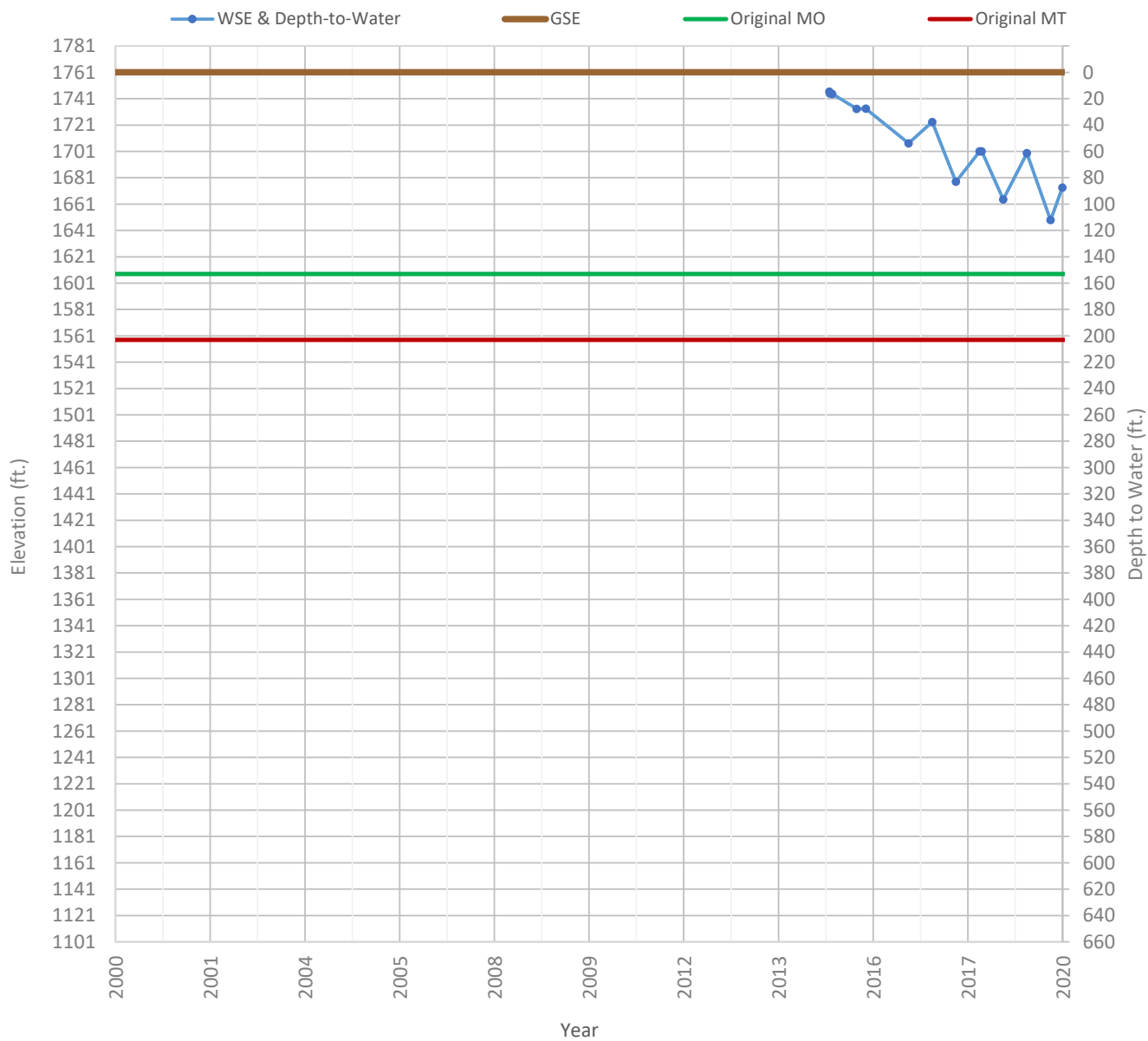
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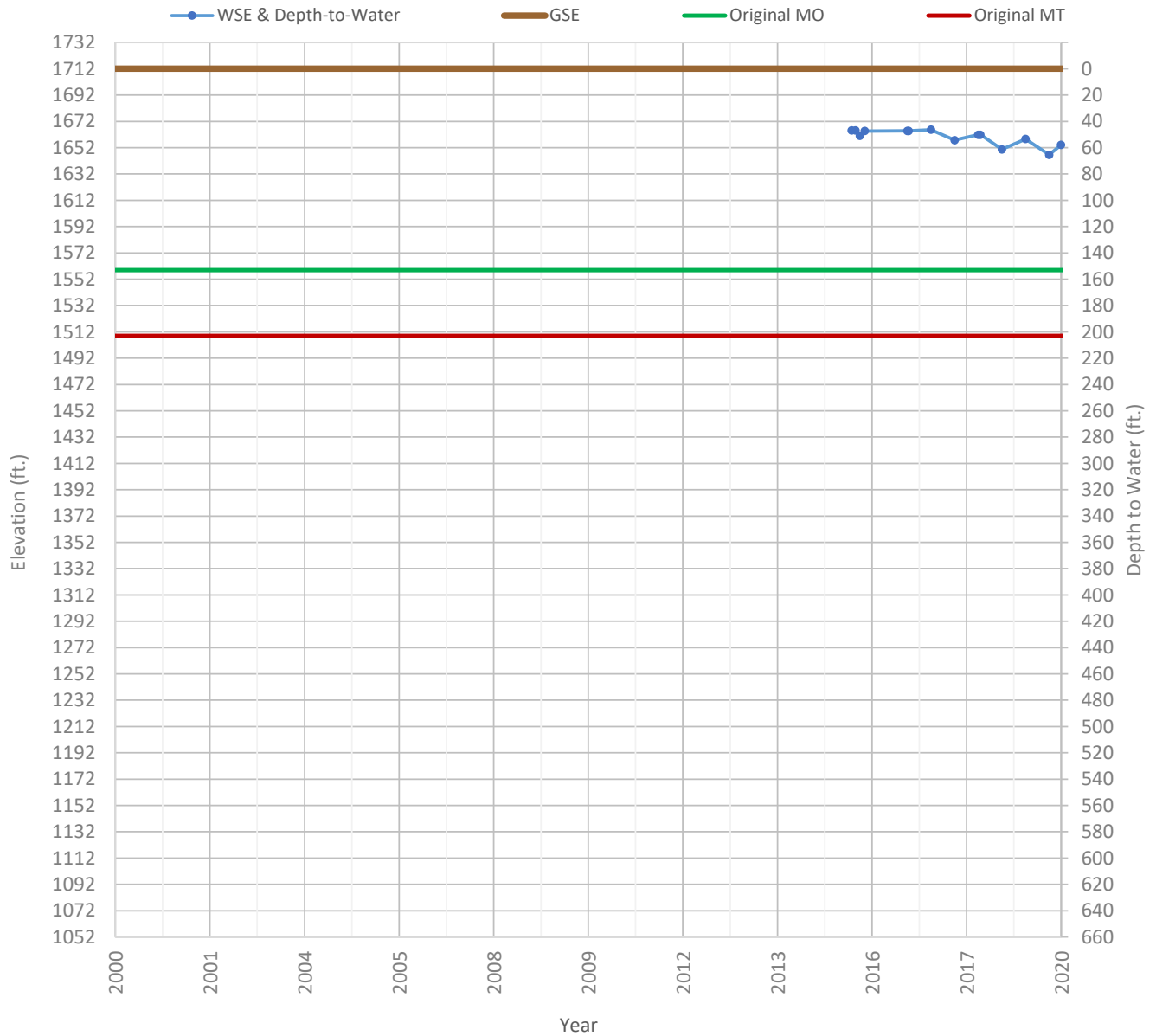
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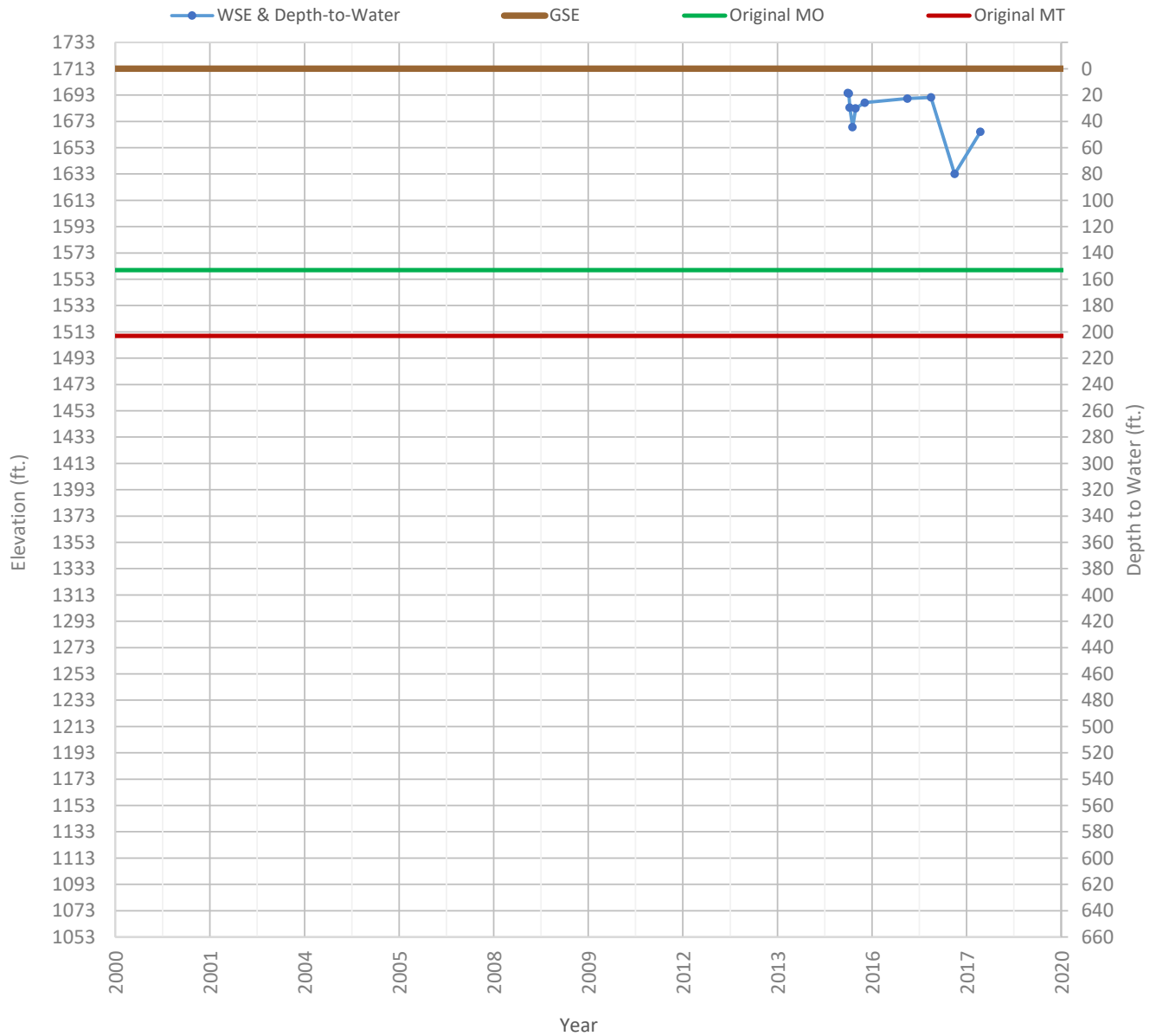
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### OPTI Well 845 Hydrograph



### OPTI Well 849 Hydrograph





## **Appendix B - Basin-Wide Economic Analysis Report**

**FINAL REPORT**

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**Direct Economic Impact Analysis of the Cuyama Groundwater  
Basin Groundwater Sustainability Plan Demand Management  
Program****Prepared for**

Cuyama Basin Groundwater Sustainability Agency

**December 19, 2019**

**Prepared by**

ERA Economics LLC

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## 1. Executive Summary

The Cuyama Basin Groundwater Sustainability Agency (CBGSA) has developed a Groundwater Sustainability Plan (GSP) designed to achieve groundwater sustainability in the Cuyama Basin by 2040. The GSP considers several elements of groundwater sustainability including groundwater overdraft. To address groundwater overdraft, the plan proposes a series of supply enhancement projects and demand management actions. Implementation of projects and demand management imposes direct costs on water users in the basin. This analysis establishes the direct economic impact of the demand management actions specified in the GSP. Water supply projects specified in the GSP are described, but the additional water supply and project costs are not included in this economic impact assessment.

Farming in the Cuyama Basin is characterized by high-value, organic specialty crops produced for a wide range of domestic and export markets. The basin includes vertically integrated carrot farming operations, organic specialty apple farms, new vineyards, and a mix of other row crops, grains, and hays. Agricultural value has been increasing in the basin over the last several decades in response to strong market conditions for the crops produced in the basin. This economic activity supports the local economy, providing jobs, income, and tax revenue to the greater four-county region (Kern, Santa Barbara, San Luis Obispo, and Ventura) overlying portions of the basin.

Direct economic impacts of the GSP are quantified using an economic model of the Cuyama Basin representing crops, water use, and market conditions in the area. The economic model is developed using information gathered for the GSP, interviews with local producers, UC Cooperative Extension studies, and various production and price datasets compiled by CDFA and USDA. The economic model is calibrated to the markets, conditions, and water supply availability in the Cuyama Basin. To analyze the effects of demand management, a simulation of Cuyama Basin agriculture between 2020 -2040 is developed in which water availability is restricted, and water supply costs change, according to the demand management actions outlined in the GSP. The differences between the results of the simulation and current conditions represent the impacts associated with demand management implementation.

Current agricultural groundwater pumping in the basin is approximately 60,000 AF per year. The demand management program specified in the GSP includes a phased implementation period to achieve a total reduction in agricultural groundwater pumping of 40,000 AF per year by 2040 (average annual pumping of 20,000 AF). The program applies to regions of the Cuyama Basin where overdraft is deemed to be critical, which is primarily in the Central threshold region. The program is designed to make tiered reductions over a sixteen-year period, beginning with a 5% (2,000 AF) reduction of total overdraft in each of the first two years, followed by a 6.5% reduction of total overdraft annually over the remaining fourteen years.

As a result of the demand management program the size of the agricultural industry in the basin contracts by approximately two-thirds. The demand management results in average annual gross revenue losses of \$30 million. The present, discounted value of this stream of forgone revenue

during the GSP implementation period equals \$261 million in current dollars. When the demand management program is fully implemented in 2040, irrigated acres will have fallen 62%, annual gross revenue will have fallen 63%, and annual water use will have fallen 67%. Land idling as a result of the demand management program (not including any rotational fallowing) equals approximately 12,300 acres per year by 2040. Table ES-1 summarizes the economic impact results in terms of irrigated acreage (land idling), gross revenue, net revenue, and applied water (groundwater pumping).

**Table ES-1. Cuyama Basin Demand Management Program Direct Economic Impact Summary**

<b>Impact Measure</b>	<b>Current</b>	<b>2020 - 2040 Average</b>	<b>Full Implementation (2040)</b>
Irrigated Acres	18,300	12,800	7,000
Gross Revenue (millions)	\$121	\$91	\$45
Net Revenue (millions)	\$31	\$23	\$12
Applied Water (AF)	60,000	40,000	20,000

In addition to a reduction in the quantity of groundwater that can be pumped, the GSP imposes additional administrative costs that increase water costs in the basin. Reduced water availability and higher costs reduce net revenue and affect the relative shares of crops grown in the basin. Typically, lower value crops, including grains and hays in the basin, are significantly impacted because these crops have limited ability and willingness to pay for water. Higher-value vegetables and perennial crops are able to absorb small changes in water cost. However, the magnitude of the demand management program in the basin (reducing pumping by 67%) results in significant losses in these crops as well. As a result, net revenues per acre fall as water costs increase and the basin crop mix shifts towards crops that generate greater returns to water.

The Cuyama Basin economy is heavily dependent on farming and related activities. This (direct) impact analysis only considered the impact of the demand management program on primary farming activities. The average annual losses of \$30 million estimated in this analysis would have significant secondary (also called “multiplier” or “indirect and induced”) effects in the local economy. This includes retailers who sell inputs to producers and processors who handle the raw agricultural products produced in the basin. Local businesses will also see an impact as the individuals who work for farms and ancillary industries are forced to find work elsewhere. Exact quantification of these impacts to regional jobs, labor income (wages), and local tax revenues that support other public services in the area is a natural extension of this direct impact analysis.

Potential options for reducing economic costs are identified in the analysis. Examples include delayed pumping reduction schedules, inter-region water trading, flexibility in pumping reduction schedules, and value-based groundwater allocations. For example, delaying the pumping reduction schedule may allow producers to recover capital investments, avoid rapid changes in the agricultural footprint, and provide jobs, income, and tax revenue for the local economy. Detailed analysis of these options is a second natural extension of this study.



## 2. Introduction

The Cuyama Basin Groundwater Sustainability Agency (CBGSA) has prepared a draft Groundwater Sustainability Plan (GSP). The GSP provides a list of projects and management actions that may be implemented to ensure the basin achieves groundwater sustainability by 2040. Initial estimates indicate that groundwater pumping reductions on the order of 50 to 67 percent may be required to achieve sustainability in parts of the basin. This magnitude of reduction will undoubtedly change the economic conditions within the basin. In order to understand what future conditions in the basin will look like, assess the magnitude of potential economic impacts, and identify ways to minimize adjustment costs, the CBGSA commissioned this economic analysis of the effects the proposed GSP on the basin.

The goal of the CBGSA GSP is to provide a framework for achieving groundwater sustainability while minimizing the economic and social consequences of any necessary reductions in agricultural production. Implementation of the GSP will include possible projects and demand management actions that over time will balance the water budget within the basin. Projects are implemented to increase water supply in the basin. Demand management actions are programs designed to reduce pumping that, together with basin projects, ensure that basin groundwater pumping is sustainable. This report focuses on the impacts of the demand management program; however, preliminary analysis of proposed projects showed relatively small changes in the outcomes presented in this report resulting from project implementation.

This analysis concludes that GSP implementation will have substantial direct impacts on the economic footprint of agriculture in the basin. Results are presented in terms of five key measures of direct impact that are either directly relevant for current policy/planning purposes (e.g. rate studies, feasibility studies, grant applications) or feed naturally into additional analysis of secondary impacts in the basin and local economy:

- Land idling as a result of the demand management program over the 2020 – 2040 implementation period
- Change in crop mix in response to changes in water supply availability and cost, and the resulting effect of the shift in crop mix on basin agricultural value
- The total cost of water and any changes in regional applied water demands; changes in water cost include GSP administration costs, demand management administration cost, and the effect of changes in pumping lift on irrigation variable costs
- Change in gross agricultural returns as a result of land idling, market conditions, and shifts in the crop mix
- Change in net agricultural returns as a result of land idling, water costs, other administrative costs, market conditions, and shifts in the crop mix

The report is structured as follows. The following section describes the current economic footprint of agriculture in the basin and the drivers behind its value. This is followed by an

overview of management actions outlined in the GSP. The next sections present the methods and results of the economic impact analysis of the GSP. A concluding section summarizes limitations and extensions of this initial work. Additional details on the technical approach to the analysis are included in a technical appendix.

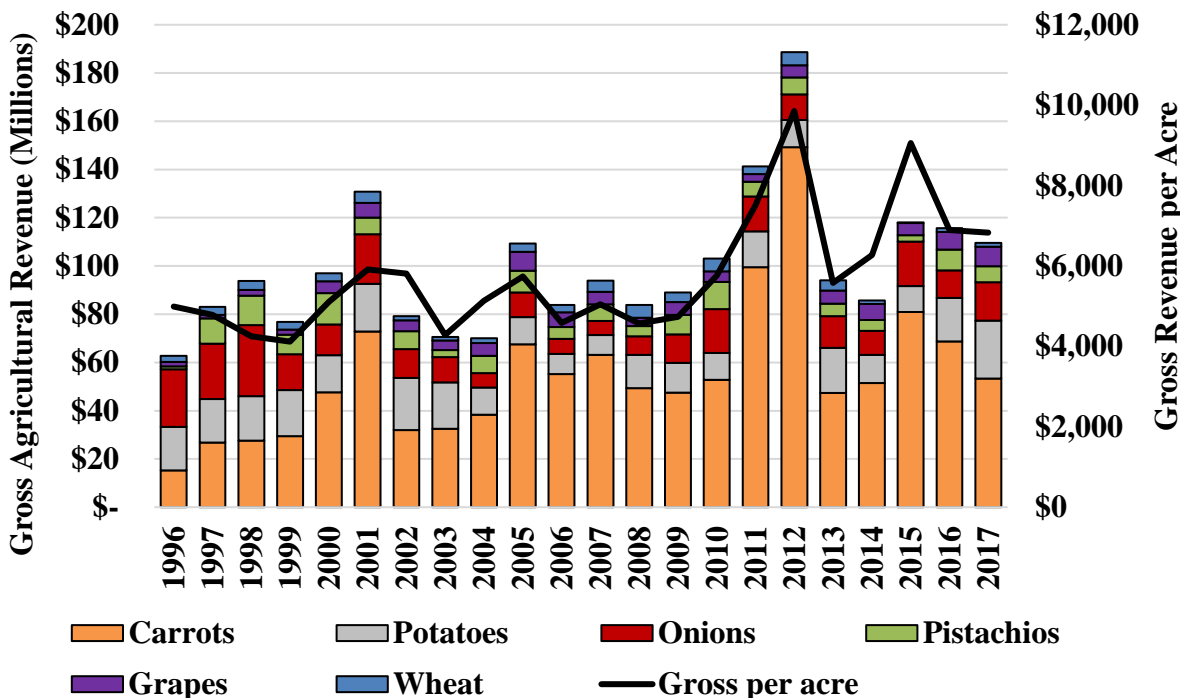
### **3. Economic Contribution of Agriculture**

Agriculture is the most important industry in the Cuyama Basin. Historically the basin has benefited from a large oil and gas field; however, since 2008 few wells have remained in production, making agriculture the dominant industry in the region. Three unincorporated communities in the basin are recognized by the state as Economically Disadvantaged Communities (DACs).

In 2016 the Cuyama Basin had a total of 32,294 acres of irrigable land. Of this total, only 50% (16,045 acres) was actively being used for crop production. High value vegetable crops account for roughly three quarters of the basin's acreage. Carrots, which the basin is known for, are commonly rotated with onions and potatoes. Other crops like wine grapes, pistachios, apples, and wheat make up the remaining agriculture in the region. Apples historically held a larger share of acreage in the basin, but changes in market conditions have caused production to shift to the Pacific Northwest. Other perennial crops such as pistachios and olives have increased in recent years. Wine grape acreage has also increased significantly in recent years, including the establishment of an 800-acre vineyard in 2018.

The gross value (gross farm revenue) of crops produced in the Cuyama Basin was estimated at approximately \$110 million in 2017. Between 1996 and 2017 value increased 75%, from \$63 million to \$110 million. Figure 1 illustrates trends in the gross value of agriculture in the basin between 1996 and 2017, grouped into six crop categories. Carrots make up the bulk of the revenue in the region. In 2017, carrots made up 49% of production value, potatoes made 22% of production value, and onions made up 14% of production value. The remainder of agricultural value came from three smaller crop groups: wine grapes (7%), pistachios and other orchards (6%), and wheat (2%). Figure 1 also illustrates a modest increase in production value per acre, consistent with trends across the state. Production value per acre is similar to nearby production regions in the Central Valley such as Kern County and is well above the statewide average of \$4,000 per acre in 2017 (NASS).

**Figure 1. Production Value and Value per Acre, 1996-2017 (in millions of 2018\$)**



Source: Calculations using USDA National Agricultural Statistics Service and GSP Acreage Data

Positive trends in markets and price, increased yields, and widespread changes in production practices have also benefitted the basin. Carrot yields were 50% higher in 2017 than they were in 1996 with prices being only 10% lower. At the same time, producers have shifted a large share of acreage to organic production. Apple growers raise special fresh market varieties branded with the name of the basin. Grape production has expanded, with over 15 varieties of wine grapes produced for regional wine markets. These investments have created a reputation for Cuyama as a region with high quality agricultural products.

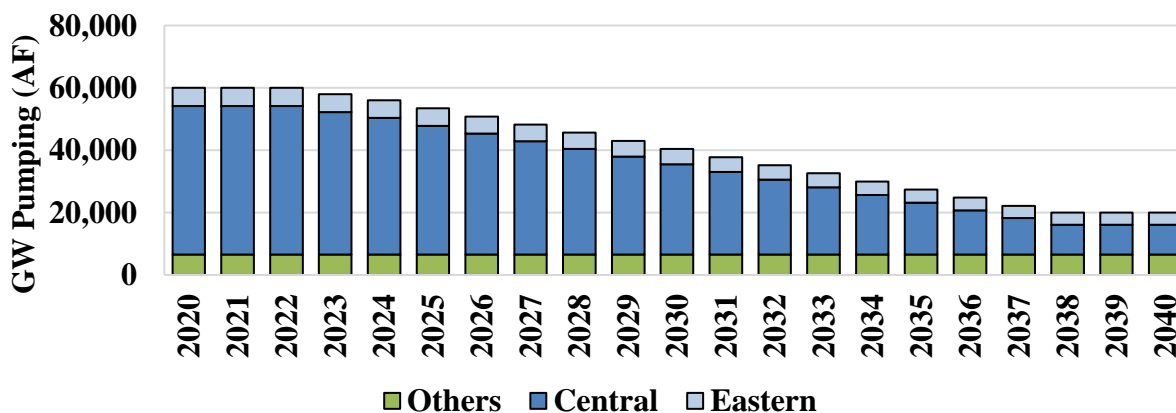
In addition to direct contribution from agricultural revenue, agriculture also provides secondary contributions to the basin local economy and surrounding areas. These indirect and induced benefits include the other income and jobs created by farm spending, additional income and jobs supported by the employed individuals, and the tax revenue created by all of this economic activity. Using default, uncalibrated economic data suggests that basin farming supports more than 1,150 full time equivalent jobs (2,300 – 3,500 seasonal jobs). A detailed assessment of the contribution of basin farming to regional jobs is beyond the scope of this direct impact analysis. A more detailed assessment of the secondary effects of basin agriculture, contribution to the regional economy, and evaluation of secondary impacts is recommended under subsequent analysis (see Section 7).

#### 4. Cuyama Basin GSP Overview

The Sustainable Groundwater Management Act (SGMA) requires that sustainable management of groundwater be achieved by 2040, which is defined as avoiding six impacts of groundwater overdraft. The GSP identifies five sustainability indicators, most of which are expressed in terms of changes in groundwater levels or storage. The basin is divided into six threshold regions<sup>1</sup> for the purposes of identifying and quantifying sustainability criteria. In order to achieve and maintain sustainability, the GSP includes a mix of demand management (pumping restrictions) and supply enhancement projects to bring pumping in balance with the sustainable yield. The sustainable yield is the estimated annual groundwater pumping the basin can sustain without causing one or more of the six impacts. The GSP estimates sustainable yield in the basin to be 20,000 AF per year. Currently, agricultural users in the basin pump 60,000 AF per year creating an overdraft of 40,000 AF<sup>2</sup> per year.

The CBGSA plans to reduce groundwater pumping by 40,000 AF per year by implementing a demand management program. This program will only be implemented in the Central and Eastern regions of the basin, because these are the only regions with projected overdraft. The program is implemented over a sixteen-year period, beginning with a 5% (2,000 AF) reduction of total overdraft in each of the first two years, followed by a 6.5% reduction of total overdraft annually over the remaining fourteen years. Reductions in the Central region will account for 95% (38,000 AF) of overdraft and reductions may be enforced in the Eastern region to make up the other 5% (2,000 AF). This equates to annual reductions in the Central region of 1,900 AF in each of the first two years and 2,470 AF in each of the following fourteen. In the Eastern region, annual reductions of 100 AF are required in each of the first two years and 130 AF in each of the following fourteen. A regional visualization of these reductions is shown in Figure 2 below.

**Figure 2. Proposed Groundwater Pumping Reductions**

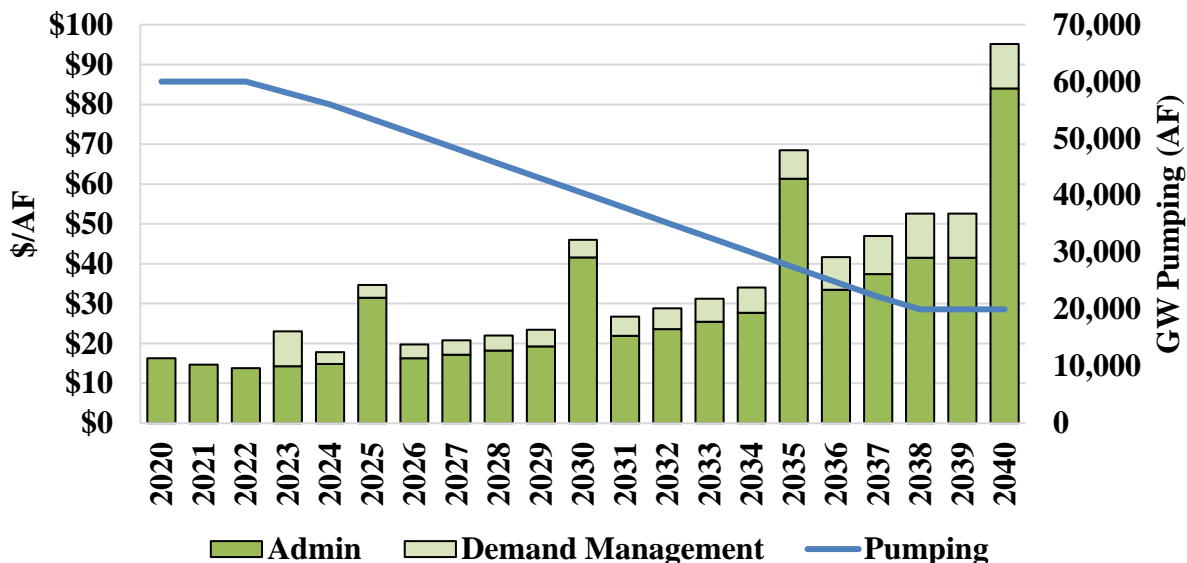


<sup>1</sup> Regions are defined in Section 5.2.1 of the GSP and include the Central, Eastern, Northwestern, Western, Southeastern, and Badlands threshold regions. Most irrigated agriculture is in the Central region. The Badlands regions includes no irrigated agriculture and is excluded from the analysis.

<sup>2</sup> All water quantities shown in this analysis are gross applied water values.

Demand management and GSP administration will impose direct costs on water users in the basin. These costs are calculated over the GSP implementation timeline (2020-2040) and broken down by individual activity. Administrative costs for the GSP plus any demand management program administration costs are approximately \$1 million annually, to be raised by an assessment on each acre foot of groundwater that agricultural users withdraw. These costs include the administration<sup>3</sup> of the GSP and the demand management program, and do not include any additional fees or direct costs associated with the demand management program (e.g. cost of land idling). GSP administration costs are the same for all groundwater pumpers in the basin. Demand management program administration costs would be covered by the Central and Eastern regions. Figure 3 illustrates the timeline of administration costs over the GSP implementation period. Administrative costs range from \$16 to \$90 per AF pumped<sup>4</sup>. This increase is driven by the decrease in total AF pumped in the basin. However, the GSP has not specified a final schedule of fees needed to cover these costs.

**Figure 3. GSP Implementation Costs per Acre Foot Pumped (2018\$)**



### 5. GSP Direct Economic Impact Analysis Methodology

The direct economic impacts of changes in water use and costs caused by the GSP demand management program are estimated using an economic model of basin agriculture and water use. This section provides a brief overview of the economic model and Appendix A provides additional technical details. The economic model calibrates to current market conditions and water use in the basin. It is used to simulate the response of the agricultural sector to changes in groundwater availability and cost imposed by the GSP. The basic assumptions of the model

<sup>3</sup> GSP administration includes annual and 5-year updates, and all required technical analysis, to the GSP to comply with the GSP regulations.  
<sup>4</sup> These values do not reflect the total cost to producers to pump groundwater, which also includes the cost of extraction (well capital, operating, and maintenance costs for pumping).



follow standard economic practice. Producers maximize profit by producing the crops that provide the greatest return subject to costs, resources, and other technical constraints. Producers sell to a competitive market and are therefore unable to have much or any effect on the price of the product.

The diverse mix of crops grown in the basin were grouped into six crop categories (groups) for the purposes of the direct impact analysis. Costs and returns for each crop group were defined by the characteristics of a proxy crop chosen to represent all production in the crop group. Proxy crops identified for the analysis include carrots, onions, potatoes, wheat (grains and other misc. hays), pistachios, and grapes. The six crops chosen as proxy crops represent 80% of basin acreage and 84% of basin value. Table 1A in Appendix A summarizes each crop group and proxy crop.

Irrigated acreage in the basin varies from year-to-year due to market conditions, rotations, and variability in weather. The economic model was calibrated to average annual cropping patterns using the period 2010 – 2018. Trends in permanent crop plantings since 1994 were reviewed to assess establishment patterns, and capital outlays for establishment costs. Perennial crops, including pistachios, apples, and olives, have long productive economic life cycles, roughly 40 years, and establishment costs are spread across this life cycle. For a crop like pistachios, recouping establishment costs can be more than 10% of annual production costs. Following an orchard early creates a significant loss in investment, therefore this acreage is less responsive to changes in the cost of water.

Land use and production information was also used to infer (calculate) other technical characteristics of crop production in the basin that are not easily represented in observed farming costs and revenues. For example, factors such as risk aversion, unique soil or microclimate, labor availability, and producer skill/preferences affect regional farming, profitability, and response to changes in water availability and cost. Appendix A provides an overview of how these factors are represented in an economic model, as well as the data used to characterize market supply and demand in the basin.

## **6. Cuyama Basin GSP Direct Economic Impacts**

The economic model is used to estimate the direct effect of the GSP demand management program on agriculture in the subbasin. Direct impacts are a result of reduced water availability (under the demand management program) and higher water costs (as a result of GSP and demand management program administrative fees). As water scarcity increases, the mix of crops grown in the basin adjusts, land idling increases, and farm gross and net revenues fall. All dollar impacts are expressed in constant 2018 dollars, indexed using the GDP Implicit Price Deflator. Economic impacts are expressed in the following terms and summarized in Table 1:

- Gross crop revenue
- Net crop revenue

- Irrigated acreage and changes in the crop mix
- Land idling
- Groundwater pumping costs and the opportunity cost of land idling

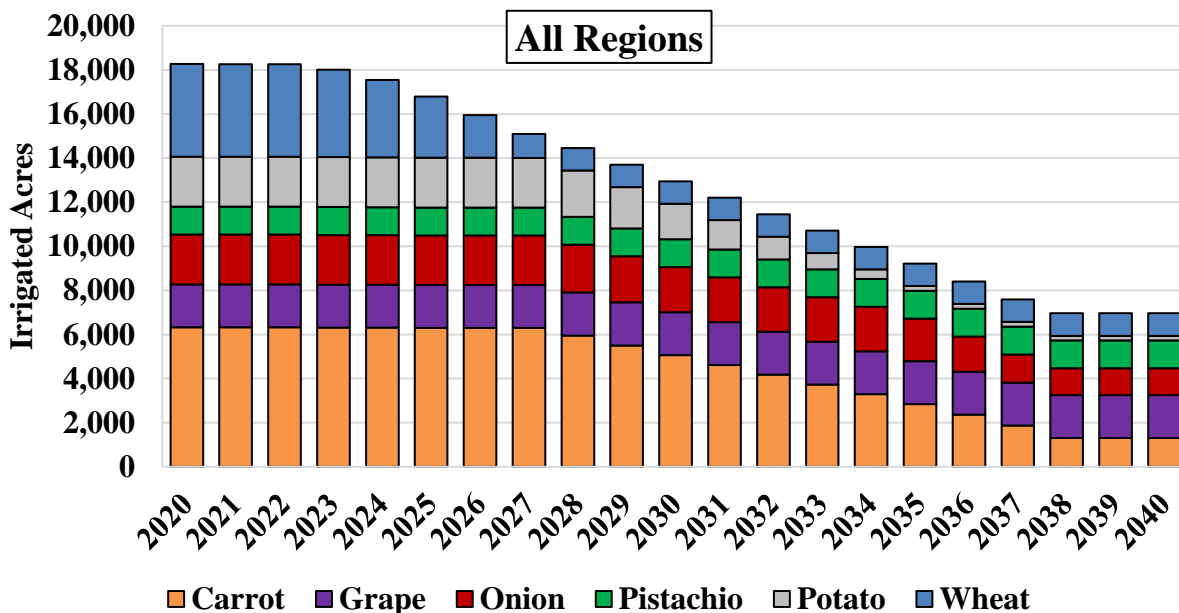
**Table 1. Cuyama Basin Economic Impact Summary**

<b>Impact Measure</b>	<b>Units</b>	<b>Current</b>	<b>2020 - 2040 Average</b>	<b>Full Implementation (2040)</b>	<b>Percent Change (2040)</b>
Gross Revenue	\$M	\$121	\$91	\$45	<b>(63%)</b>
Net Revenue	\$M	\$31	\$23	\$12	<b>(63%)</b>
Irrigated Acres	Acres	18,300	12,800	7,000	<b>(62%)</b>
Land Idling	Acres	0	5,500	11,300	
Applied Water	AF	60,000	40,000	20,000	<b>(66%)</b>
Pumping Cost	\$/AF	\$98	\$110	\$137	<b>40%</b>
Land Idling Cost	\$/AF	\$0	\$263	\$484	<b>-</b>

The costs of the demand management program to the basin are estimated to average \$30 million per year, increase nonlinearly over time, and will reach \$76 million per year in 2040 at full implementation. This is a 63% decrease in farm revenue over current conditions. These changes are non-linear, reflecting the phase-in period of the demand management program with small annual changes at the beginning of implementation and large annual value differences near the end of implementation. The present, discounted value of this stream of forgone gross revenue during the implementation period equals \$261 million in current dollars. This revenue loss is a result of the land idling that occurs as groundwater pumping is gradually reduced.

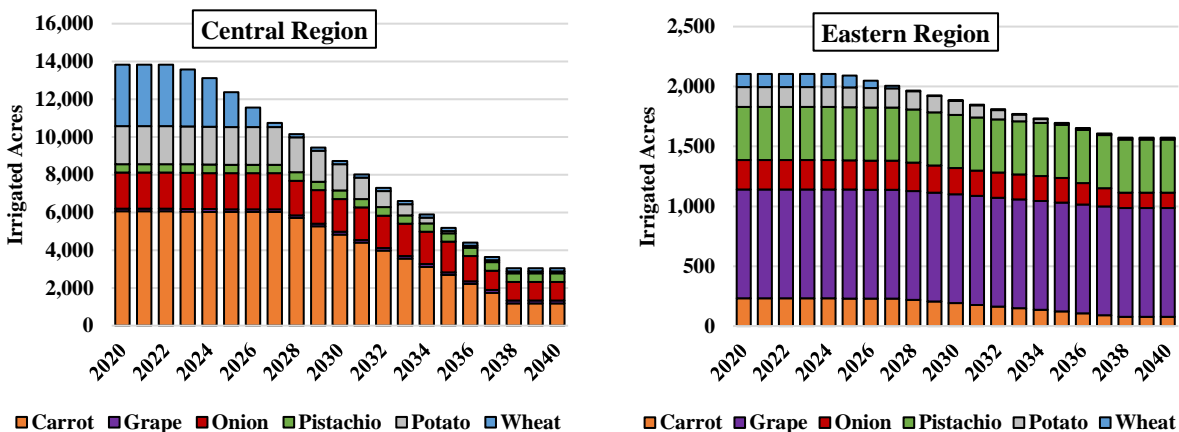
Total irrigated acreage in the basin declines from 18,264 acres to 6,960 acres, with significant changes occurring in the Central and Eastern regions. Under the demand management program specified in the GSP, by 2040 the Central region is only expected to have 3,048 acres in production, 22% of its current acreage. In the Eastern region, where demand management is more modest, there is an estimated 1,572 irrigated acres by 2040, or about 75% of its current acreage. Changes in permanent crops are more modest due to the significant capital investment in these lands. Most of the acreage decline comes from the carrots, other vegetables, rotational crops, and wheat/hay crop groups. Figure 4 illustrates changes in acreage by year for the entire basin. Wheat acreage is most affected early, followed by carrots and potatoes which begin to decline in about 2028.

**Figure 4. Estimated Acreage by Crop Group, 2020-2040**



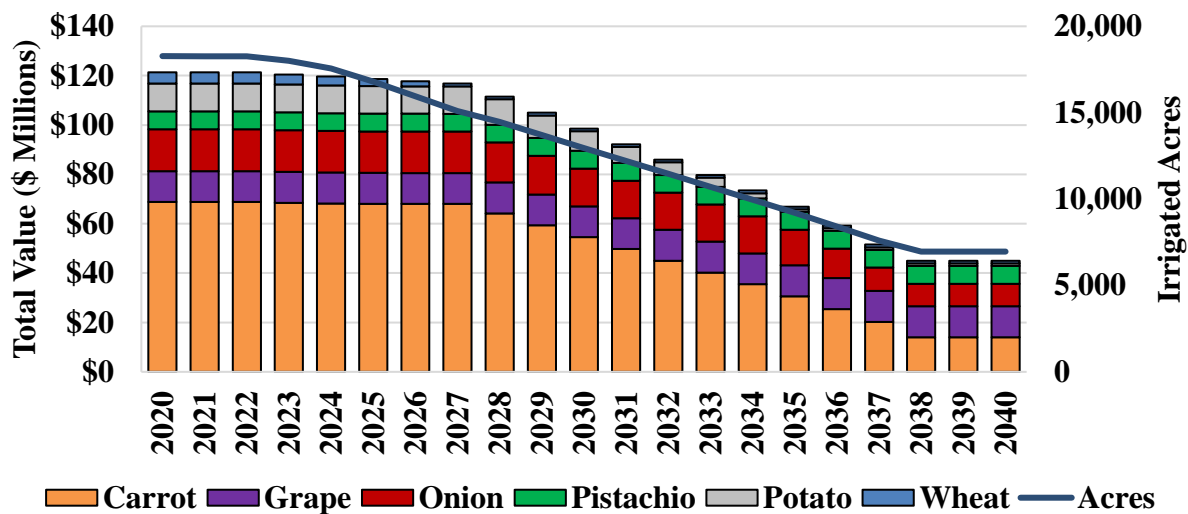
All basin crops are affected as water use is reduced, but the impact is not distributed evenly across crops, or across threshold regions in the basin. Carrots decline the most by 2040, dropping from 35% of basin acreage today to less than 18% by 2040. This is because carrots (and other rotational crops) account for a significant share of current groundwater pumping in the Central region. The reduction in grain/hay (wheat crop group) acreage is more modest, falling by around 33%, because much of its irrigated area is not in the Central and Eastern regions subject to the demand management program. Wheat acreage within the Central region falls by 95%. The share of permanent crop acreage in the basin increases from 18% to 46% by 2040, not because more acreage is planted, but rather because acreage remains more stable as other crop acreage declines. Figure 5 illustrates the change in crop mix in the Central and Eastern regions.

**Figure 5. Estimated Acreage by Region and Crop Group, 2020-2040**



While annual declines in acreage remain somewhat constant during the GSP implementation period, the decline in value of production is modest in early years but becomes more significant later. In response to higher water costs and increasing scarcity, lower return (low value per unit water) crops are typically idled first. Figure 5 illustrates the decline in value (gross revenue), which is initially small, but increases rapidly as progressively more valuable crops must be taken out of production. By 2040, carrots are still the highest-value crop in the region, however the share of total value is spread much more evenly across crop groups. A reduction of this magnitude in irrigated acreage in the basin would have additional impacts on farming operations. In particular, the ability to maintain a minimum viable industry scale is not guaranteed. Vertically integrated farming operations may consider moving production to other regions in the state, and this would have additional impacts in addition to the direct impacts shown in Figure 6. These secondary impacts can be evaluated under subsequent analyses.

**Figure 6. Estimated Value by Crop Group, 2020-2040 (in millions of 2018\$)**



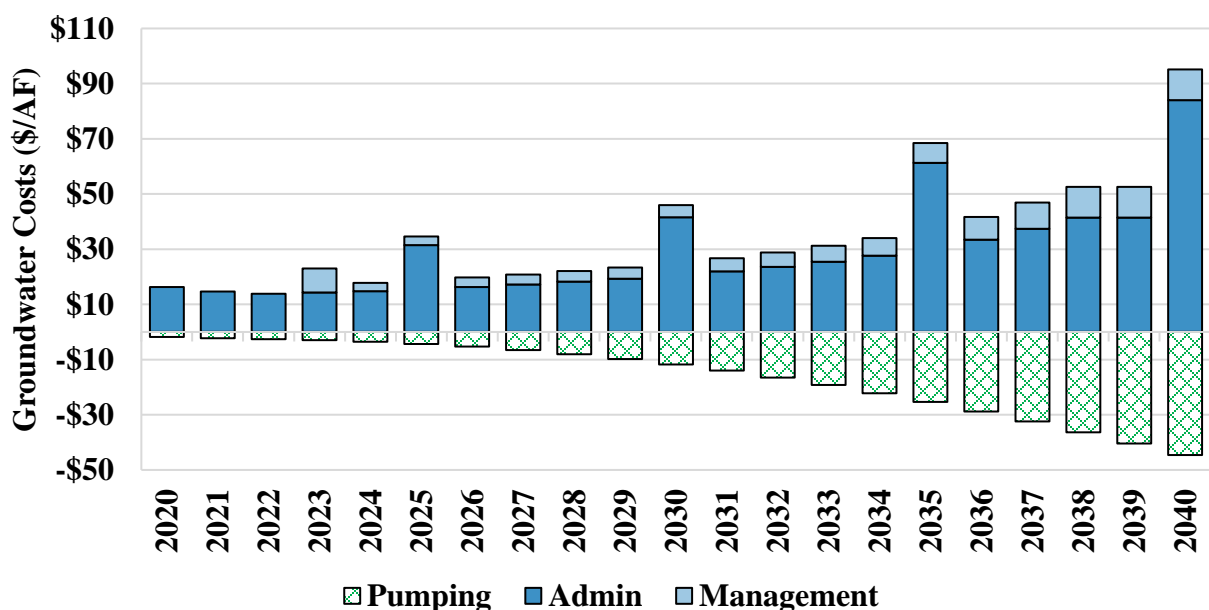
Net farm revenues in the basin are also affected as a result of reduced acreage, changes in water costs, yields, and cultural practices. For example, pumping limits could cause some growers to invest in technology to optimize water<sup>5</sup> and other input use efficiency. Table 2 below summarizes changes in average net revenue per acre by crop group under current conditions (2020) and at full implementation of the demand management program (2040). Net revenues are based on basin average returns and correspond to the return over operating costs (not including any amortized capital costs). On a percentage basis, the decline in net revenue per acre is largest for wheat, grapes, and potatoes. In contrast, carrots, onions, and pistachios decline by less than 2 percent. Total net revenue declines by 63 percent from \$31 million to \$12 million.

<sup>5</sup> Pumping reductions specified in the demand management program are expressed in terms of applied water, and therefore account for any return flows. An improvement in water use efficiency only adds groundwater to the basin if it reduces crop consumptive water use.

**Table 2. Change in Net Revenue by Crop Group, 2020-2040 (2018\$)**

	Carrot	Grape	Onion	Pistachio	Potato	Wheat
<b>Per Acre Change</b>						
2020	\$2,680	\$755	\$2,455	\$2,615	\$1,260	\$375
2040	\$2,635	\$720	\$2,410	\$2,570	\$1,210	\$355
<b>Change</b>	<b>(1.6%)</b>	<b>(5.1%)</b>	<b>(1.9%)</b>	<b>(1.7%)</b>	<b>(3.7%)</b>	<b>(5.4%)</b>
<b>Total Change (millions)</b>						
2020	\$16.8	\$1.5	\$5.5	\$3.3	\$2.8	\$1.5
2040	\$3.3	\$1.4	\$2.9	\$3.2	\$0.3	\$0.4
<b>Change</b>	<b>(80.4%)</b>	<b>(6.7%)</b>	<b>(47.3%)</b>	<b>(3.0%)</b>	<b>(89.3%)</b>	<b>(73.3%)</b>

As the GSP demand management program is implemented, the cost of water per AF changes for two reasons. First, the cost of GSP implementation (administration for the GSP and the demand management program) is spread over smaller volumes of pumped water, so the cost per AF rises. Second, reduced pumping improves groundwater storage and reduces depth to water. Changes in pumping depths are estimated using the relationship between historical overdraft and depth to groundwater as reported in the GSP. These two effects somewhat offset and are presented for the Central region in Figure 7 below. The GSP administration (admin) and demand management program administrative (management) costs are shown as positive values, and the cross-hatched areas represent the reduced pumping lift and cost (shown as a negative cost savings). The net effect of the GSP demand management program is an increase in the cost of groundwater to irrigators in the basin.

**Figure 7. Estimated Groundwater Pumping Costs, Central Region**



In addition to the changes in water costs, groundwater pumpers in the basin also incur a cost per acre foot of forgone net revenue, otherwise known as the opportunity cost. This opportunity cost is equal to the loss in net revenue as a result of land idling and changes in crop mix divided by the quantity of groundwater pumped. Therefore, this cost increases over the implementation period for two reasons. First, the quantity of water pumped is reduced as the demand management program is implemented. Second, the cost of land idling increases with the magnitude of the demand reduction as increasingly more valuable land/crops are removed from production (see Figures 4 and 6, above). The net effect of the demand management program is an increase in land idling, which is reflected in increasing groundwater cost (see Figure 7).

**Figure 8. Estimated Opportunity Cost of Implementation, Central Region**

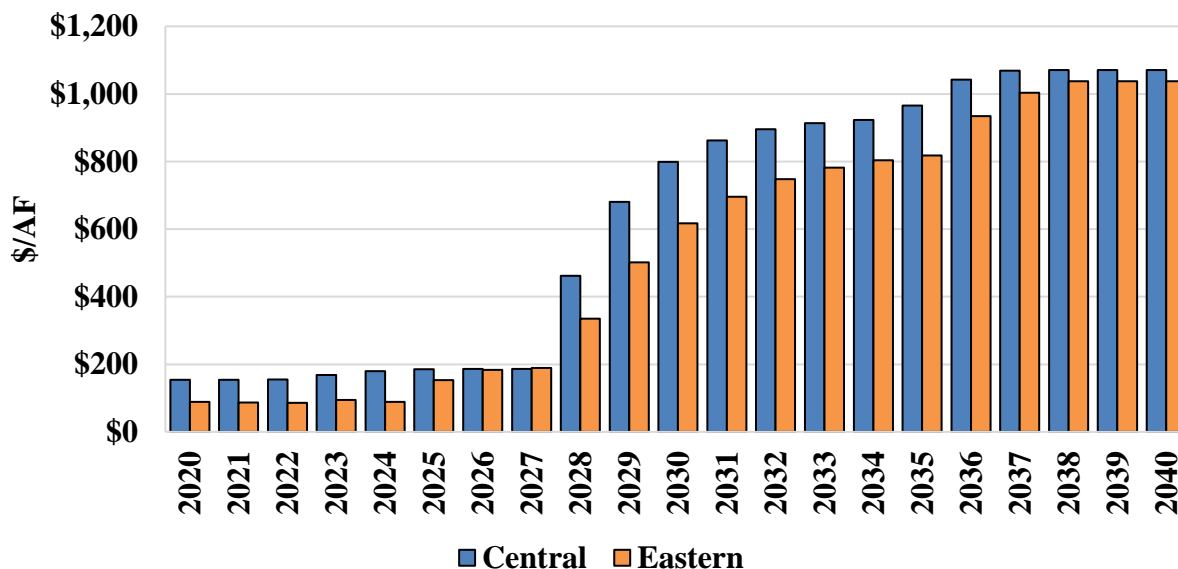


The value of water in different regions of the basin increases significantly as the demand management program is implemented (scarcity increases). The increasing value of water is important for broader planning purposes, in particular comparing the benefit of avoiding additional demand management against the cost of implementing capital water supply projects in the basin. The incremental value of water is the value in production of one additional AF of water. The value of an additional AF is not to be confused with the price or cost of water, rather it is the incremental benefit that the basin would receive if another unit of water was available. This value can also be thought of as the amount a producer would be willing to pay for one additional unit of water.

The incremental value of water is calculated using the economic model over the implementation period. The value varies by region in responses to difference in the economic return to water across the basin and is greatest in the Central and Eastern regions. Figure 9 illustrates values in these regions over the implementation period. A notable change in water value occurs between 2027 and 2028. This is the point during the GSP implementation period when the required

groundwater pumping reduction starts to affect higher-valued annual crops (e.g. carrots, other vegetable crops). That is, many of the crops/land that generates lower return to water has already been idled. By 2040 the incremental value of water exceeds \$1,000 per AF in both the Central and Eastern regions. This value likely exceeds the current average return to water for many crops and growers – instead it represents the most valuable use of new water after the cuts imposed by full implementation of GSP demand management. The incremental value of water is below \$200 per AF in the other regions that are not affected by the demand management program. These values are generally comparable, slightly above, values observed in other agricultural areas in the state.

**Figure 9. Incremental Value of Additional Water, Central and Eastern Regions (2018\$)**



The net effect of the GSP demand management program and associated GSP administrative costs is a reduction in the economic footprint of basin agriculture by more than two-thirds. This would have profound effects on the basin local economy, and the broader regional economy. Impacts increase non-linearly over the implementation period, equaling \$73 million per year by 2040, or over \$261 million in present value over the implementation period. The incremental value of water under the demand management program exceeds \$1,000 per AF at full implementation, suggesting that some water supply projects may be an economically feasible way to reduce overall implementation costs. Additional suggestions for reducing demand management program implementation costs are summarized under Section 7, below.

## 7. Other Considerations, Limitations, and Extensions

Quantification of direct impacts supports GSP implementation planning, however consideration of elements outside of the scope of this analysis may be equally important in protecting broader welfare considerations for basin growers, workers, and disadvantaged communities. This section provides a brief discussion of other considerations that were raised by stakeholders during

interviews and meetings. These include limitations and scalability of the economic model, multiplier effects (the indirect and induced impacts resulting from the direct impacts), and resource and environmental externalities (third-party costs) created or mitigated by agriculture in the basin.

The economic model used here is based on and calibrated to recent information on agricultural production in the basin. To the extent that projected conditions fall far outside what has been recently observed, the model may not capture all the impacts. A reduction in gross economic value as great as the one projected in this analysis may cause changes that the model is not able to forecast. For example, viable farming operations require a minimum scale to continue operating, which may be approached or exceeded under the demand management program. Additionally, acreage is concentrated among a few producers in a relatively small area in the basin. As a result, this may cause sudden changes rather than the gradual shifts projected in the model.

The economic analysis used estimates of projected pumping reductions described in the GSP that are based on the best available data and information as of June 2018. As noted in the GSP, it is expected that the groundwater model will be refined in the future as improved and updated monitoring information becomes in the Basin. These refinements may result in changes in the sustainable yield estimates included in the GSP and consequently would affect the results of this economic impact analysis.

A natural extension to the analysis provided here would be a multiplier analysis of indirect and induced (secondary) economic impacts. However, off-the-shelf impact multiplier models often prove to be inadequate for estimating indirect and induced impacts in small regions undergoing large changes. They do not incorporate site-specific information on labor and production practices or on relationships among sectors. In addition, such models assume proportionality between direct and indirect impacts and cannot assess the effect of major structural economic changes. A careful and policy-relevant analysis of the total impact this type of shift would require more detailed information on the labor practices within the basin, dependence of forward-linked industries (e.g., processors) on products from the basin, and the dependence of related industries on economic activity generated by agriculture in the basin. The CBGSA is currently evaluating options to commission this additional analysis.

Finally, this analysis does not assess changes to environmental, natural, and cultural resources within and outside the basin. These changes create both economic and non-economic costs and benefits. Changes include but are not limited to improved water quality, preservation or loss of open space, and cultural and social changes that could result from population leaving the basin. These externalities associated with groundwater pumping in the basin are an additional consideration in overall basin sustainability.

The current demand management program is a conservative approach to achieving sustainability in the basin. Future analysis could explore policy alternatives to the demand management program that reduce the direct economic impact of implementation in the basin. Examples of possible value enhancing policies identified through this analysis include the following:

1. Cuyama Basin sustainability is specified in the GSP terms of physical objectives – avoiding six undesirable results of groundwater overdraft. Meeting these objectives is only possible if pumping is reduced, resulting in economic impacts for the basin. A seventh sustainability indicator, economic viability of the basin, could be considered. Delaying the pumping reduction schedule may allow producers to recover capital investments, avoid rapid changes in the agricultural footprint, and provide jobs, income, and tax revenue for the local economy. This would come at the cost of additional depletion of groundwater storage, but the benefits may outweigh any costs.
2. The economic analysis shows that there is intra- and inter-regional variability in the value of water. This suggests there are potential gains from trading (allowing water to move to its highest and best use). An inter-region water trading program that allows groundwater to be transferred between regions would allow for water to move from lower to higher value uses, providing benefits to both buyers and sellers.
3. The pumping reduction specified in the demand management program is linear. That is, the same percentage reduction is applied every year regardless of conditions in the basin. A dynamic pumping reduction schedule that allows producers to react to market and weather trends could be considered to lower costs. For example, allowing flexibility for growers to increase pumping above the sustainable yield in years with high prices or decreased rainfall, so long as it is replenished in future years, could mitigate some of the losses associated with demand management.
4. The concept of groundwater allocations is implicit to this analysis. That is, the demand management program requires a pumping quota which would include assignment of allocations (how much individuals can pump). How allocations are developed and assigned affects the distribution of costs between groundwater pumpers as well as the overall implementation costs to the local economy. A careful economic analysis of alternative allocation approaches using the framework applied in this analysis could identify ways to reduce GSP implementation costs.

Analysis of value enhancing policies could benefit from further analysis of indirect and induced effects of demand management implementation. Growers purchase inputs from regional suppliers, employ workers, and rely on local trucking, storage, processing, and related businesses for post-harvest activities. Transportation, storage, processing, and other businesses purchase trucks, warehouses, machines, and hire workers required for their operations. The economic cluster of agriculture-dependent industries generates jobs in farming and other industries, and employees in all these related industries purchase housing, consumer items, and other goods and services in the basin and regional economy. Quantifying these relationships would provide data

and information to mitigate losses associated with GSP implementation and ensure that GSP implementation is not only efficient, but also equitable.



## **8. Appendix A: Economic Model Technical Overview**

This appendix summarizes the agricultural economic model of the Cuyama Basin that was applied to analyze the direct agricultural impacts of reducing groundwater pumping and, or, other supply augmentation projects, as discussed in the Cuyama Basin Groundwater Sustainability Plan (GSP). The following sections summarize model calibration and application to this analysis.

### **8.1 Cuyama Basin Economic Model Overview**

The Cuyama Basin model is a regional agricultural production and economic optimization model that simulates the markets for Cuyama Basin crops. It applies the same calibration methodology and economic approach as the Statewide Agricultural Production model (SWAP), which has been subject to peer review and applied to a range of water and agricultural impact analyses in California over the last several decades (Howitt et al. 2012).

The fundamental economic logic underlying the Cuyama Basin model is as follows. Crops are produced in competitive input and output markets. That is, no individual grower/operation can affect or control the price of any commodity. The model simulates inputs, costs, returns, water supplies, and other farm inputs, subject to water availability (e.g. the demand management program) and water costs (e.g. GSP administrative costs).

Agricultural production in the Cuyama Basin is solely dependent on groundwater. As conditions change within a Cuyama Basin region (e.g., a reduction in the amount of groundwater that can be pumped), the model optimizes production by adjusting the crop mix, water quantities used, and other inputs. It also fallsow land when that appears to be the most cost-effective response to resource conditions. The model can be extended to compare the long-run response of agriculture to other conditions affecting surface or groundwater conditions, markets, or other economic values or restrictions in the Cuyama Basin.

### **8.2 Model Calibration**

The model calibrates using a procedure based on Positive Mathematical Programming (PMP) (Howitt 1995) and the assumption that crops are produced in competitive markets. This allows incorporating information on the local market conditions (factors that affect supply and demand), allowing the model to exactly replicate a base year of observed input use and output. Conditions include a mix of management skill, inter-temporal effects of crop rotation, proximity to processing facilities, management skills, farm-level effects such as risk and input smoothing, and differences in soil and other physical capital/inputs. Model calibration translates these factors, in addition to observed average conditions, into an economic representation of production (supply) and market demand conditions (Howitt et al. 2012).

On the crop demand side, the model is specified with downward-sloping California statewide demand functions. That is, the model is specific to the Cuyama Basin but recognizes that Cuyama Basin farmers compete in the statewide (and global export) market for crops. The

demand curve is estimated from historical data on crop prices and quantities that reflects the consumer's willingness-to-pay for a given level of crop production.

### 8.2.1 Cuyama Regions and Crop Definitions

The Cuyama Basin model is modeled with five of the six regions defined in the GSP: Central, Eastern, Northwest, Southeast, and Western. Of the five regions modeled, the Central region accounts for nearly 80% of all agricultural acreage and is the only region subject to major changes in the GSP (e.g. the demand management program).

The economic model calibrates to average land use between 2010 and 2018. Crops are aggregated into 6 crop groups. Each crop group may represent several individual crops, but many are dominated by a single crop. Irrigated acres represent acreage of all crops within the group, production costs and returns are represented by a single proxy crop for each group. The current 6 crop groups were defined using the information provided Attachment C-1 of the Cuyama Basin GSP, which reports land use and consumptive water use in the Basin and information taken from interviews of local growers. Crop group and the corresponding proxy crop are shown in Table 1A.

**Table 1A. Cuyama Basin Model Crop Groups**

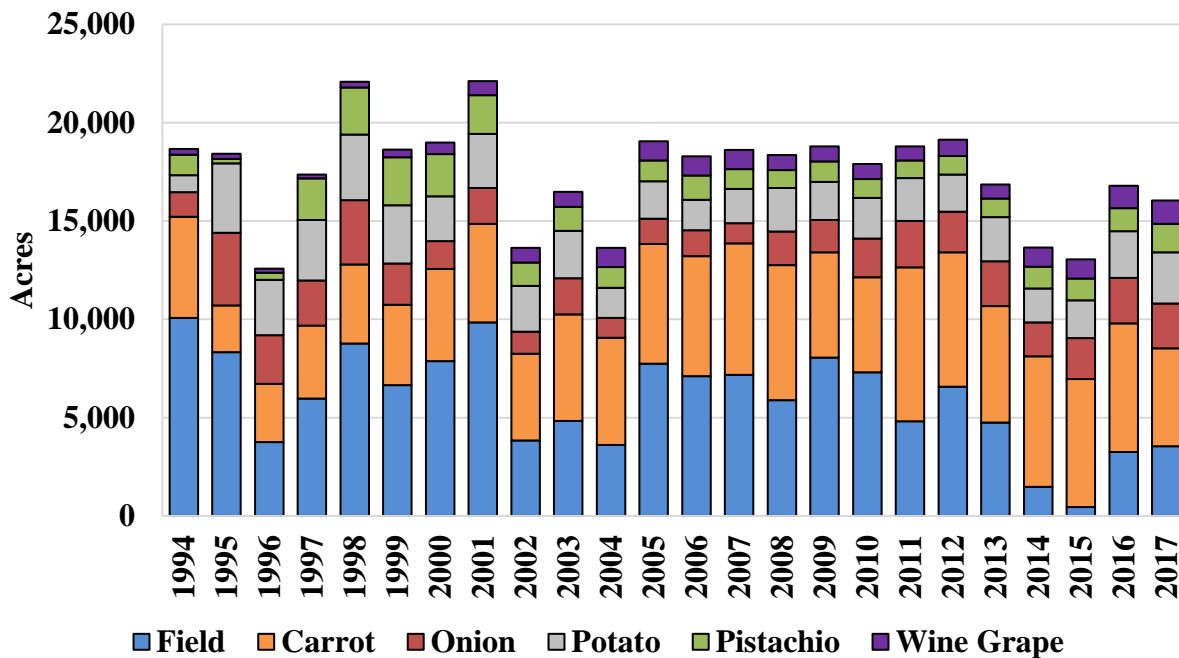
Crop Group	Proxy Crop	Other Crops
Carrots	Carrots	N/A
Potatoes	Potatoes	N/A
Grapes	Wine Grapes	N/A
Onions	Onions	Bush berries, Cole crops, Lettuce/leafy greens, Melons, Squash, Cucumbers
Pistachios	Pistachios	Apples, Citrus, Miscellaneous Deciduous, Miscellaneous Subtropical Fruit, Olives, Peaches/nectarines
Field	Wheat	Alfalfa & Alfalfa Mixtures, Beans (dry), Corn, Sorghum & Sudan, Miscellaneous Field Crops, Miscellaneous Grain and Hay, Miscellaneous Grasses, Mixed Pasture

### 8.2.2 Crop Acres

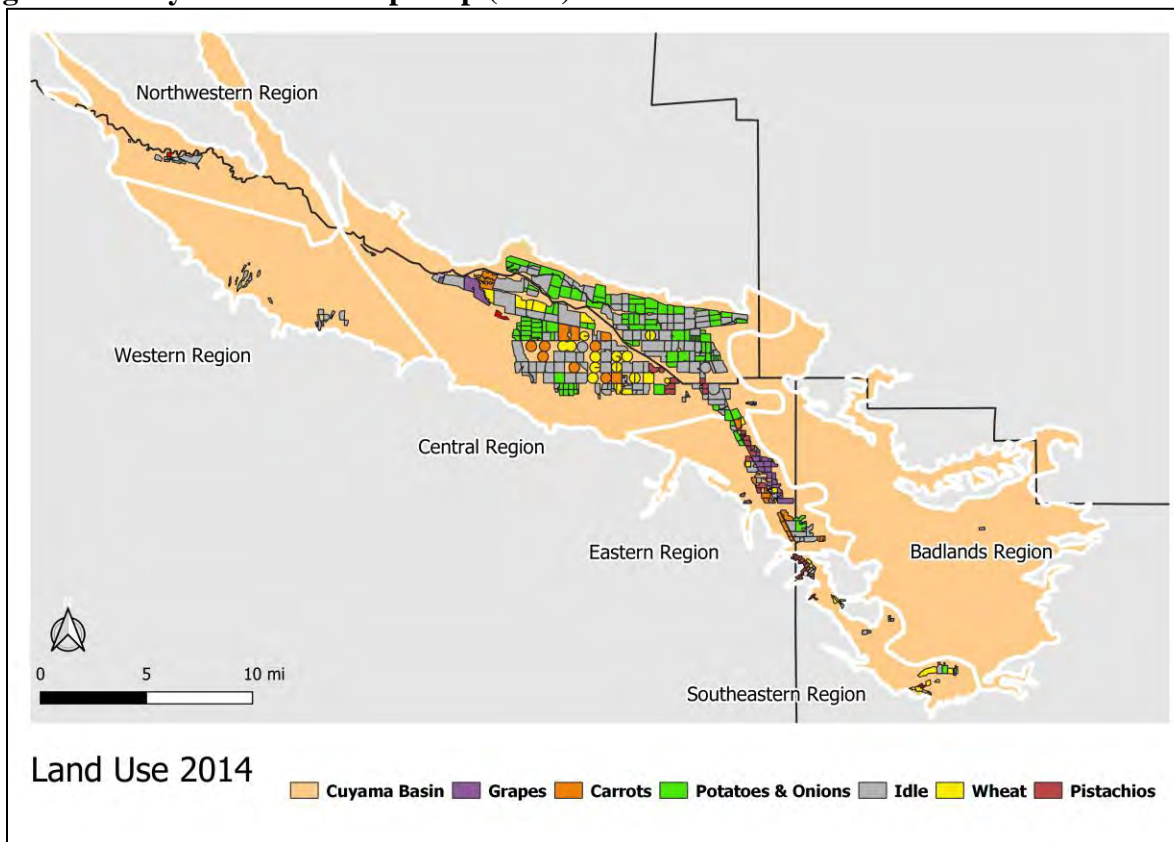
Most crop acreage in the basin has historically been divided between four of the six major crop groups: wheat, carrots, onions, and potatoes. In 2016, carrots accounted for 40% of non-idle cropland, however in 2017 carrots only accounted for 31% of non-idle cropland. This is not a result of sudden market changes, but rather a reflection of typical crop rotations in the area. Therefore, the model calibrates to 2010-2018 data to capture the most recent data while maintaining the effects of rotation.

While carrots may form the backbone of high-value agricultural production in the basin, other crop groups such as wine grapes are increasing. Wine grapes have steadily increased their share of acreage from 1% in 1996 to 7% of non-idle crop acreage in 2017. In addition, the planting of an 850-acre vineyard in 2018 increases this share closer to 13% of non-idle crop acreage. Figure 1A illustrates annual acreage distributions of non-idle cropland and Figure A2 illustrates the distribution of crop land use in the basin in 2014.

**Figure A1. Annual Changes in Non-Idle Crop Acreage**



**Figure A2. Cuyama Basin Crop Map (2014)**



### 8.2.3 Crop Returns

The economic model is designed to calibrate to the current conditions (market, prices, etc.). The model uses crop price data from a combination of county reports from Santa Barbara, San Luis Obispo, Kern, and Ventura counties, statewide and national price data, local UC estimates, and feedback from individuals familiar with farming in the basin.

Crop yields for each crop group in the model correspond to the proxy crops listed in Table A1 and are based on county averages, refined based on industry feedback. The corresponding costs of production, discussed in a subsequent section, are based on cost studies that reflect best management practices. Thus, crop yields in the economic model may be slightly higher than those estimated by calculating county averages but are more consistent with the production costs. An average of yields in the surrounding counties or statewide values are used when UCCE budget yields are not representative of production in the Cuyama Basin.

### 8.2.4 Crop Cost of Production Budgets

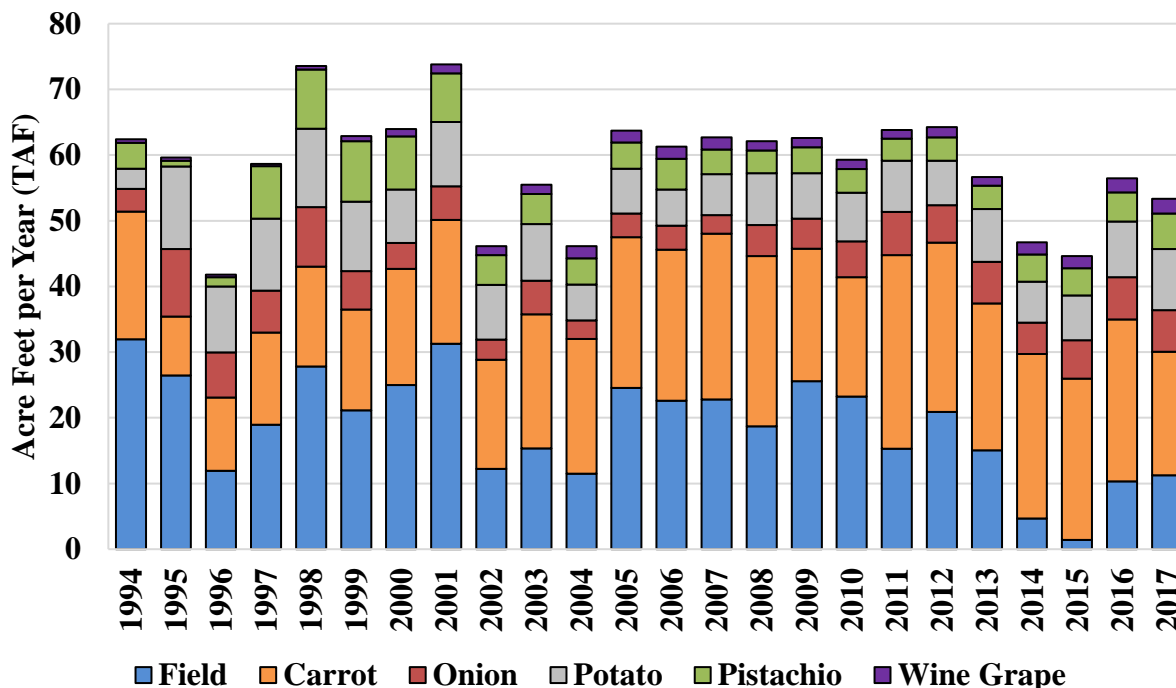
Land, labor, and other supply costs of production are estimated using internal data, UC budgets, and expert feedback to adjust for local conditions. All capital recovery and interest rates are adjusted for consistency to current conditions. Land costs are derived from county data and include land-related cash overhead plus rent and land capital recovery costs. Where appropriate,

interest rates are adjusted as described above. Other operating costs are developed based on UC budgets and interviews with experts in the region.

### 8.2.5 Water Supplies

Agricultural production in the Cuyama Basin is solely dependent on groundwater. Groundwater pumping capacity estimates are derived from the Cuyama Basin GSP. The GSP’s water budget (Table 2-5 GSP) estimates that agriculture pumps approximately 60,000 acre-feet per year (AFY). The GSP defines the “sustainable yield” for the GSA as the maximum average that the region can pump in a year given the aquifer characteristics and existing well capacities. Sustainable yield in the region is estimated at 20,000 acre-feet. Figure A3 illustrates annual groundwater pumping to meet crop demand between 1994 and 2017.

**Figure A3. Cuyama Basin Groundwater Applied Water Demand by Crop and Year**



Groundwater pumping costs are broken out into fixed, energy, and operations and maintenance (O&M) components in the economic model. Energy and O&M components are variable. Energy costs depend on the price of electricity. Base electricity costs are derived local data. Overall well efficiency is assumed to be 70 percent. As groundwater elevations change within the basin, variable pumping costs adjust accordingly.

### 8.2.1 Crop Water Requirements

Applied water is the amount of water applied by the irrigation system to an acre of a given crop for production in a typical year. Variation in rainfall and other climate effects will alter this requirement. Additionally, farmers may deficit irrigate crops or substitute other inputs in order to reduce applied water. Applied water per acre (base) requirements for crops in the model are



derived from Davids Engineering estimates of Evapotranspiration Applied Water presented in Attachment C-4 of the Cuyama GSP Appendix, land use estimates presented in Attachment C-1 of the Cuyama GSP Appendix, and total water use estimates presented in Table 2-5 of the Cuyama GSP. Applied water (AW) values and evapotranspiration applied water (ETAW) are presented in Table A2.

**Table A2. Applied Water (AW) and Evapotranspiration Applied Water (ETAW) by Crop**

Crop Group	Proxy Crop	AW	ETAW
		<i>acre-feet</i>	
Carrots	Carrots	3.77	3.17
Grapes	Wine Grapes	1.88	1.58
Onions	Onions	2.78	2.33
Pistachios	Pistachios	3.77	3.17
Potatoes	Potatoes	3.57	2.67
Field	Wheat	3.17	2.67

### 8.2.2 Other Economic Data

The Cuyama Basin model requires a number of economic response parameters, called elasticities, to estimate rates of change in variables. An elasticity is the percent change in a variable, per unit of percent change in another variable or parameter. For example, acreage response elasticity is one component of supply response. It is the percentage change in acreage of a crop from a one percent change in that crop's price. The model contains both long run and short run estimates. Long run acreage response elasticities are used for this analysis. Other elasticities including income, demand price, and population (among others) are representative of statewide market conditions in California, or in the export market as appropriate.

### 8.3 References

- Agricultural Commissioner of Kern County, Ventura County, Santa Barbara County, and San Luis Obispo. Various years. Agricultural Crop Report. County Department of Agriculture and Measurement Standards.
- California Department of Food and Agriculture. California Agricultural Statistics Review, 2017-2018. Agricultural Statistical Overview.
- Howitt, R.E. 1995. Positive Mathematical-Programming, American Journal of Agricultural Economics, 77(2), 329-342.
- Howitt, R.E., J. Medellin-Azuara, D. MacEwan, and J.R. Lund. 2012. "Calibrating Disaggregate Models of Irrigated Production and Water Use: The California Statewide Agricultural Production Model." Journal of Environmental Modeling and Software.
- United States Department of Agriculture National Agricultural Statistics Service (NASS). Various Years. County Agricultural Commissioners' Data.

University of California Cooperative Extension (UCCE). Various years. Cost of Production Studies.



TO: Board of Directors  
Agenda Item No. 8b

FROM: Jim Beck, Executive Director and Joe Hughes, Legal Counsel

DATE: March 4, 2020

SUBJECT: Update on Groundwater Extraction Fee

### **Issue**

Groundwater extraction fee under-collection and reporting methodology.

### **Recommended Motion**

Adopt the Groundwater Extraction Fee Ad hoc's recommendation to:

1. Issue a new annual fee, coordinated with the budget development and based on the prior calendar years' pumping for the upcoming FY budget.
2. Develop a reserve fee for smoothing out under-collection issues.
3. Adopt a single reporting methodology based on crop ET from satellite imagery with the inclusion of several non-crop categories; however, continue to collect metered water use where available to ground-truth reporting.
4. True up current accounts in the third/fourth quarter of 2020.

### **Discussion**

The Cuyama Basin Groundwater Sustainability Agency (CBGSA) established a groundwater extraction fee to fund the FY 2019-20 budget on November 6, 2019. Following the payment due date of January 31, 2020 staff determined that the majority of known large pumpers have reported water use, but collections only represent roughly half of the needed revenue to fund the FY 2019-20 budget. Additionally, several landowners approached staff regarding the inequality of current gross and net reporting methodologies.

Staff met with the Groundwater Extraction Ad hoc (Directors Bantilan, Cappello, Chounet, Shephard, and Wooster) on February 21, 2020 to discuss these issues and their recommendation is provided in Attachment 1.

A summary of payment received to-date is provided as Attachment 2.

Cuyama Basin Groundwater Sustainability Agency

Update on Groundwater Extraction Fee

March 4, 2020





# Background

- Jul 10, 2019** Board votes to use a groundwater extraction fee for first year
- Nov 6, 2019** Public Hearing is held and fee is established under Resolution No. 2019-02
- Nov 27, 2019** Extraction Statements distributed to 630 parcel owners
- Jan 31, 2020** Payment Due
- Feb 21, 2020** Meeting with Extraction Fee Ad hoc



# Issues

## ■ Under Collection

- As of Feb 21, 2020, collections received were about half of our FY 2019-21 budget (\$570,000 of \$1,022,000)
- The \$19/acre-foot (af) fee was based on the historical average of 60,000 af. 30,000 af are represented from the collections received to-date; however, updated estimates for water use in 2019 is 47,000 af.

## ■ Reporting Methodology

- The original requirement for reporting metered use was that it is more accurate and it was understood the bulk of the water users had meters. This has not been the case and there is a need to establish a common reporting methodology that reconciles the inequity of current gross and net reporting options.

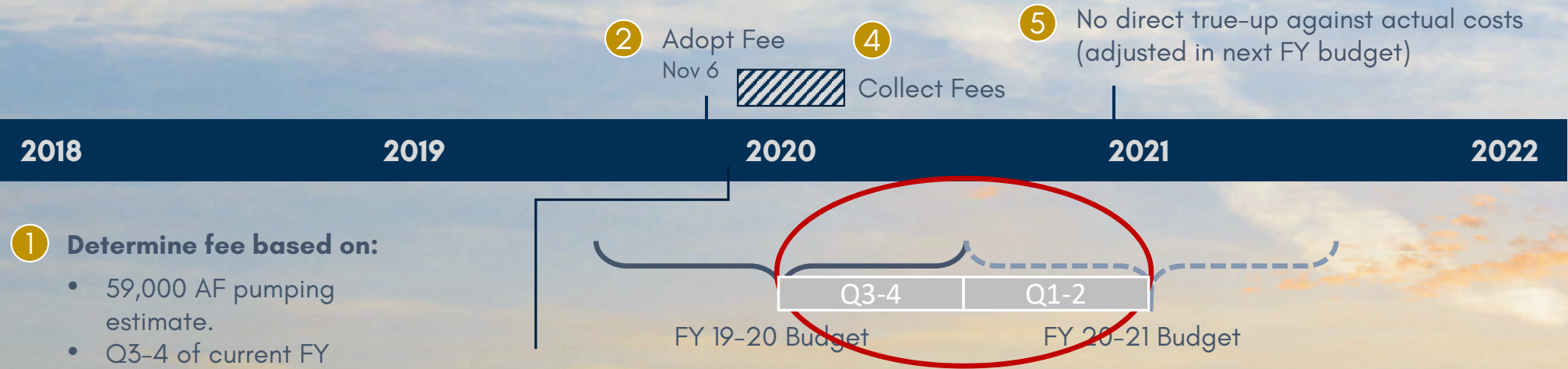
# Ad hoc Recommendation

1. Issue a new annual fee based on the prior calendar years' pumping for the upcoming FY budget (assumes budget is adopted in May, a hearing is held in May and extraction statements go out).
2. Set a reserve fee for smoothing out under collection issues (develop strict, non-discretionary policy)
3. Adopt a single reporting methodology based on crop ET from satellite imagery (ITRC or LandIQ) with the inclusion of several non-crop categories (livestock, etc.); however, continue to collect metered water use where available to ground-truth reporting.
4. True up current accounts in Q3/4 of 2020



# Groundwater Extraction Fee Process – Current

*No direct landowner fee reconciliation*



## 1 Determine fee based on:

- 59,000 AF pumping estimate.
- Q3-4 of current FY budget and Q1-2 of next year budget assumed to be same cost as the current FY budget.

## 3 Send landowner invoice:

- Report well use for 2019 (actual, or alternative method if no actuals).
- Pay invoice based on reported use (est. through end of year) x extraction fee.

# Groundwater Extraction Fee Process – Proposed



## CUYAMA GROUNDWATER EXTRACTION FEE SUMMARY

Landowner	Method	AF	\$
1	Metered	15,481.67	\$294,152
2	Metered	702.79	\$13,353
3	Metered	371.00	\$7,049
4	Metered	323.93	\$6,155
5	Metered	135.67	\$2,578
6	Metered	135.00	\$2,565
7	Metered	22.04	\$419
8	Metered	10.22	\$194
9	Metered	4.60	\$87
10	Metered	1.00	\$19
11	ET	6,004.60	\$114,087
12	ET	1,558.04	\$29,603
13	ET	1,075.00	\$20,425
14	ET	941.85	\$17,895
15	ET	878.47	\$16,691
16	ET	756.61	\$14,376
17	ET	391.50	\$7,439
18	ET	364.00	\$6,916
19	ET	284.05	\$5,397
20	ET	272.80	\$5,183
21	ET	174.25	\$3,311
22	ET	10.50	\$200
23	ET	4.00	\$76
24	M&I	0.59	\$19
25	M&I	0.87	\$17
26	Pump Efficiency	72.87	\$1,385
27	--	3.99	\$76
		29,982	\$569,664

AF Accounted for:	29,982	
FY 19-20 Budget		\$1,021,936
Historical Ave Water Use (2019)	60,000	50%
Updated Water Use Estimate (2019)	47,000	64%

## REPORTING METHOD SUMMARY

Method	Collected
Metered Use	\$326,570
Crop ET (Ag Use)	\$241,598
M&I	\$36
Pump Efficiency	\$1,385
Other	\$76
	<u>\$569,664</u>





TO: Board of Directors  
Agenda Item No. 8c

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 2020

SUBJECT: Direction on Monitoring Network

**Issue**

Direction on the monitoring network.

**Recommended Motion**

None – Direction from the Board of Directors.

**Discussion**

Provided as Attachment 1 is a presentation describing the 2 phases being planned for the monitoring network. Several issues related to this phasing need to be addressed and staff is looking for direction from the Board of Directors.

# Cuyama Basin Groundwater Sustainability Agency

## Direction on Monitoring Network

March 4, 2020





# Groundwater Levels Monitoring Network Implementation

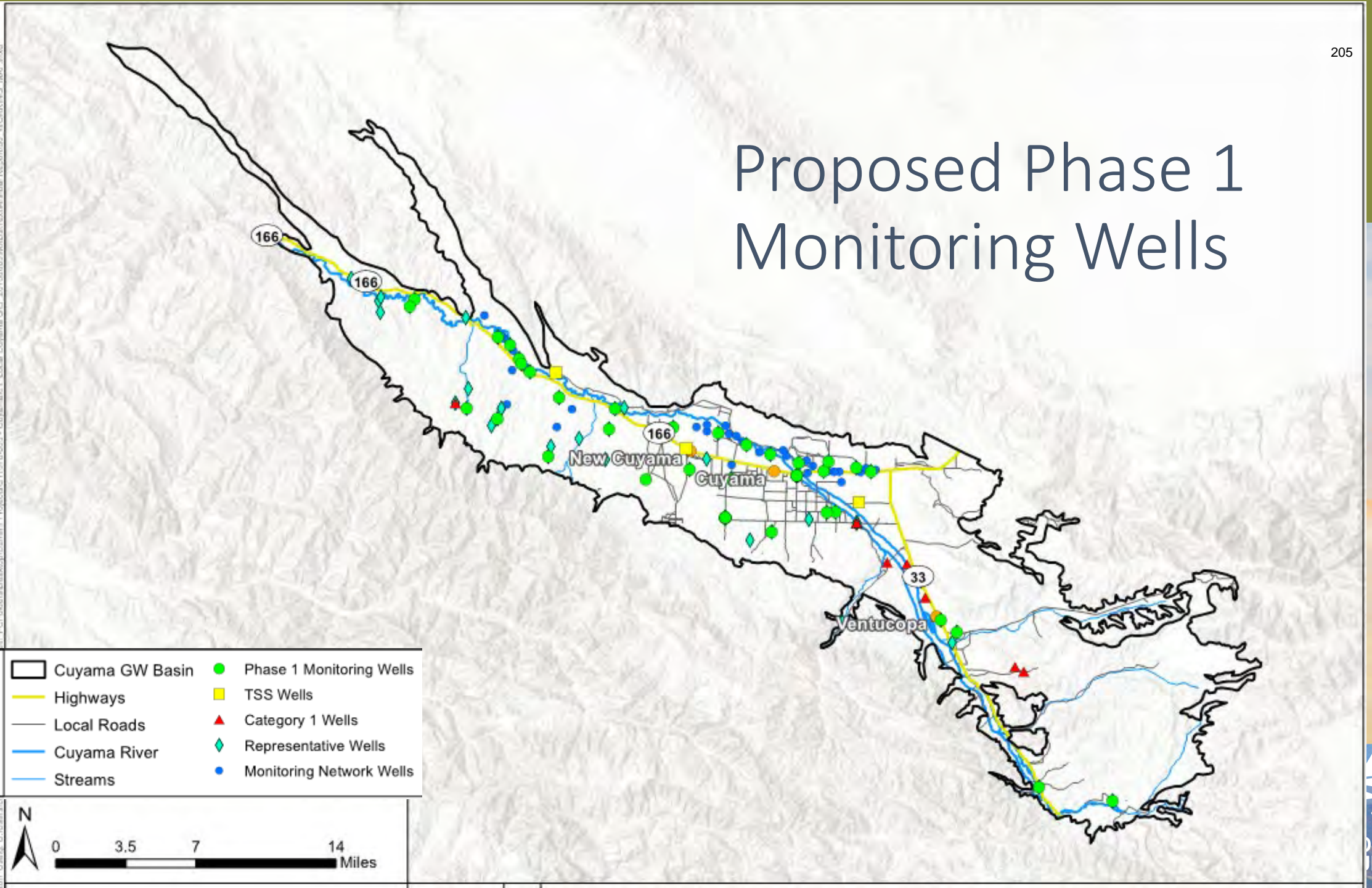
- **Feb 6, 2019** – Board approves the Groundwater Monitoring section of the GSP which specifies that the CBGSA will perform monthly monitoring for the 100 wells in its monitoring network.
- **Jul 10, 2019** – Board adopts the FY 19-20 budget which includes roughly \$30,000 for water level monitoring set up and \$30,000 for water quality monitoring set up.
- **Dec 4, 2019** – Board executes Task Order 7 with Woodard & Curran where they request to combine the budget authorization for water levels and quality (combined total of \$60k) to focus on setting up the monitoring network for levels.

# Groundwater Levels Monitoring Network Implementation

- W&C determined the \$60,000 was not adequate to set up the entire monitoring network and planned to roll out the network in two (2) phases.
- **Phase 1** – Covers the below tasks for 40 wells and is planned for completion on June 30, 2020 under W&C's existing Task Order 7 (subtask for \$60,000)
  - Coordination with existing monitoring entities (i.e. USGS, DWR, counties)
  - Collection of well information and field validation of monitoring sites (determination of well suitability)
  - Execution of permission agreements with well owners
  - Initial water level measurement for each of the 40 wells using manual equipment
- **Phase 2** – This involves the strategy for setting up the remaining 60 wells and doing monthly monitoring of all 100 wells. Several considerations are presented in the following slides that will be incorporated during the FY 20-21 budget process.



# Proposed Phase 1 Monitoring Wells





# Sample Monitoring Well Information Sheet

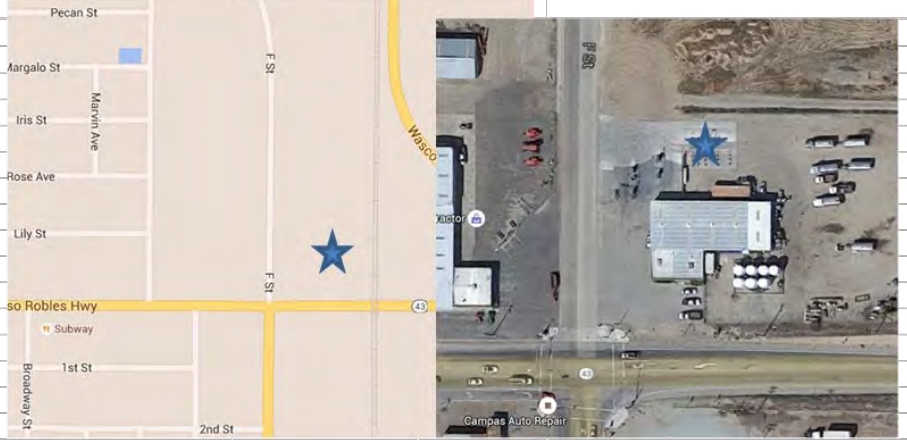
## Monitoring Well Information Sheet

Local Well ID	Smith #1	State Well Number	11W25S15A01	<b>Important notes:</b> fence gate is not locked, but arrange chain to look locked.
Well Depth (ft)	400	Casing Material	Steel	
Screen Top	200	Date Constructed	2/15/1978	
Screen Bot	400	Casing Diameter	6"	
Latitude	38.97913	Date Surveyed	4/5/1995	
Longitude	-121.37269	Well Type	Industrial	
RP Elev	108.5	Well Completion Report	5555555	
GS Elev	107.00			
<b>Well Owner Information</b>	<b>Name</b>	Joe Smith	<b>Email</b>	<a href="mailto:joe@smith.com">joe@smith.com</a>
	<b>Phone</b>	555-555-5555	<b>Address</b>	5555 Fifth Street, Wasco, CA 55555
<b>Well Monitoring Contact Point</b>	<b>Name</b>	Joe Smith	<b>Email</b>	<a href="mailto:joe@smith.com">joe@smith.com</a>
	<b>Phone</b>	555-555-5555	<b>Address</b>	5555 Fifth Street, Wasco, CA 55555
<b>Initial Measurement</b>	<b>Depth to Water</b>	50 feet		
	<b>Groundwater Surface Elevation</b>	58.5 feet		

**Location Description:**

In the Town of Wasco. Two block north of Highway 43 on east side of F Street.

**Map:**



**Site Photos:**



RP location

# Approach for Monitoring in FY 2020-21 – Phase 2

- We will need to establish the remainder of the monitoring well network (60 wells)
  - Similar to activity for current 40 wells
- Options for monthly monitoring
  - Manual measurement for each well
  - Install data collection instruments in individual monitoring wells
  - A combination of instrumenting wells and manual measurement
- Goal: select most cost-effective method that provides required quality of measured data



# Manual Measurement vs Instrumenting Comparison

- Manual measurement:
  - Physical measurement of the level at each well once a month
  - Monthly data uploading
  - Estimated cost for 100 wells: ~\$80-100,000 per year (by a 3<sup>rd</sup> party)
- Instrumenting:
  - Install data collection instruments in first year
  - Data would be collected at a higher density (e.g. every minute or every hour, or when the levels change suddenly) with automatic data uploading
  - Estimated cost for 100 wells:
    - Cost in first year: ~\$500,000-600,000
    - Annual cost in subsequent years: ~\$25,000-30,000

# Other Considerations

- We may not need to do monthly monitoring at all 100 monitoring well locations in the future:
  - Staff recommendation: do monthly at every well in first year, then assess whether frequency can be reduced in some wells
  - We could do monthly or continuous monitoring for a subset of wells, and only do 2 measurements a year at other locations
- Who is doing the monitoring?
  - Do we hire a consultant to perform monthly monitoring?
  - Can we have volunteers take measurement at some well locations?



TO: Board of Directors  
Agenda Item No. 8d

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 2020

SUBJECT: Direction on DWR TSS Well Location

**Issue**

Update on the DWR TSS well location.

**Recommended Motion**

Authorize the DWR TSS Ad hoc to determine the proposed location for the monitoring well within the data gap area indicated in the attachment to item No. 8d.

**Discussion**

On December 4, 2019, the Cuyama Basin Groundwater Sustainability Agency Board of Directors voted to approve the locations of three well locations for the California Department of Water Resources Technical Support Services Program. Staff was recently contacted by the landowner for the proposed location of the well near the central region who declined a monitoring well being installed on their property at this time.

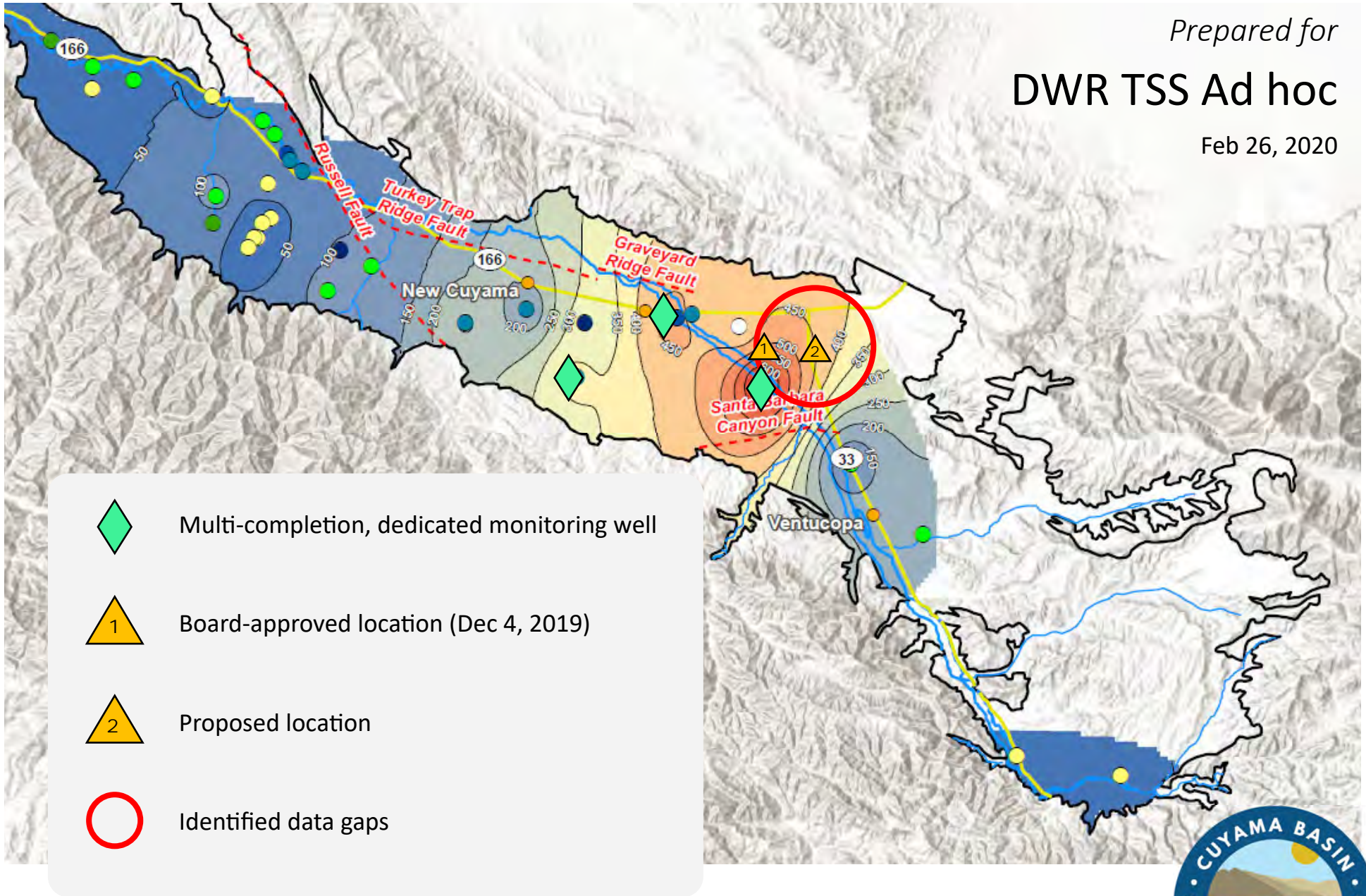
The DWR TSS Ad hoc (Directors Yurosek, Chounet; Committee Members DeBranch, Kelly) met on February 26, 2020 and recommend the Board authorize the ad hoc have discretion on the location for the DWR TSS well location within the data gap indicated on the attached map to allow for flexibility in the event additional issues develop in selecting a site. Specifically, the Ad hoc provided direction to pursue a location near Meadow Road and Highway 33 pending Board approval of this approach.

Attachment 1 shows the data gap and the specific location the ad hoc recommended pursuing.



# DWR TSS Ad hoc

Feb 26, 2020





TO: Board of Directors  
Agenda Item No. 8e

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 2020

SUBJECT: Update on Prop 68 Application

**Issue**

Update on the Prop 68 application.

**Recommended Motion**

None – information only.

**Discussion**

Provided as Attachment 1 is an update on the Prop 68 Grant Application that was submitted on November 14, 2019.



# Cuyama Basin Groundwater Sustainability Agency

## Update on Prop 68 Application Update

March 4, 2020





# Update on Prop 68 Grant Application

- A grant proposal was submitted on November 14 for funding under DWR's Sustainable Groundwater Management Round 3 Grant Program
- DWR's Draft Funding list recommends full funding (\$500,000) for Cuyama Basin
- Cuyama Basin proposal includes the following components (as approved by the ad-hoc committee):
  - Supplemental GSP development funding
  - Development of a groundwater extraction fee structure
  - Economic analysis of the Cuyama Basin
  - Initial Work to establish a groundwater levels monitoring network



TO: Board of Directors  
Agenda Item No. 8f

FROM: Brian Van Lienden, Woodard & Curran

DATE: March 4, 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

March 4, 2020



# Update on Newsletter

- The next GSA newsletter is expected to go out in the spring by email and with hard copies at USPS and throughout the Valley
- Newsletter topics:
  - GSP submittal
  - Annual report
  - GSP implementation



TO: Board of Directors  
Agenda Item No. 8b

FROM: Jim Beck, Executive Director

DATE: March 4, 2020

SUBJECT: Progress & Next Steps

**Issue**

Report on the progress and next steps for Cuyama Basin Groundwater Sustainability Agency activities.

**Recommended Motion**

None – information only.

**Discussion**

A presentation on the progress and next steps for Cuyama Basin Groundwater Sustainability Agency activities is provided as Attachment 1.

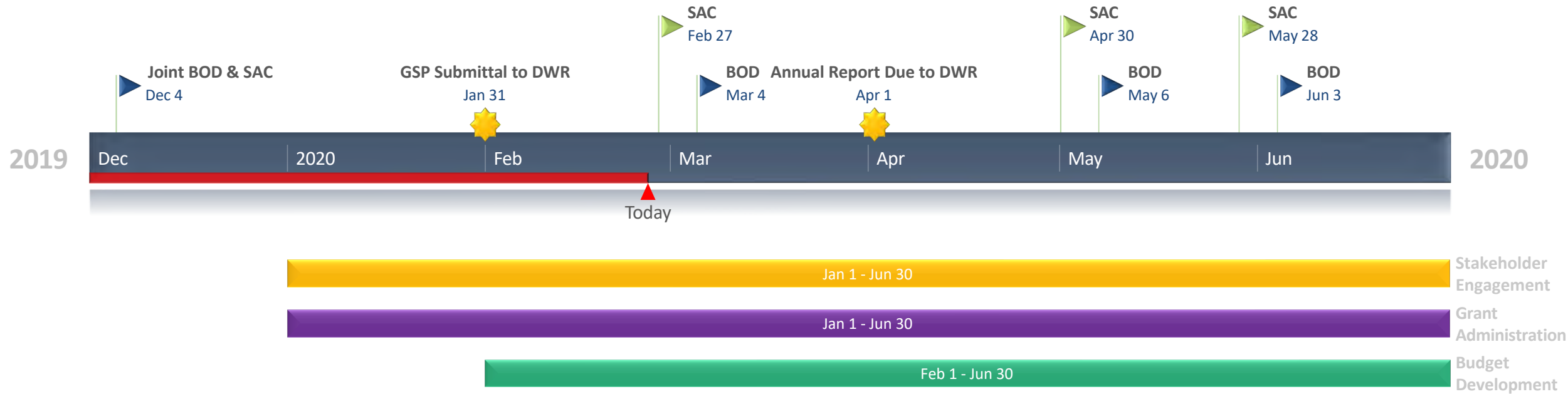
# Cuyama Basin Groundwater Sustainability Agency

## Progress & Next Steps

March 4, 2020

# Cuyama Basin Groundwater Sustainability Agency

## Near-Term Schedule





# Nov 2019 – Jan 2020 Accomplishments & Next Steps

## Accomplishments

- ✓ Ongoing administration of the CBGSA
- ✓ Ongoing administration of DWR Grant
- ✓ Coordinated resolution to adopt CBGSA GSP
- ✓ Coordinated GSP public hearing comments
- ✓ Coordinated annual report development
- ✓ Facilitated Groundwater Extraction fee collection

## Next Steps

- Develop FY 20-21 budget
- Coordinate development of funding structure
- Assist with the development of the monitoring network





TO: Board of Directors  
Agenda Item No. 10a

FROM: Taylor Blakslee, Hallmark Group

DATE: March 4, 2020

SUBJECT: Adopt Audit

**Issue**

Audited financial report for the Cuyama Basin Groundwater Sustainability Agency.

**Recommended Motion**

Adopt the audited financial report for FY 2018-19 and 2018 as outlined in agenda item No. 10a.

**Discussion**

Daniel Phillips Vaughn & Bock (DPVB) was hired to perform a financial audit of the Cuyama Basin Groundwater Sustainability Agency (CBGSA) for the combined period of Fiscal Year 2018-19 and 2018.

DPVB's report to the CBGSA Board is provided as Attachment 1 and the related financial report is provided as Attachment 2.

**Cuyama Basin Groundwater  
Sustainability Agency**

Report to the Board of Directors

January 27, 2020



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Governing Board  
**Cuyama Basin Groundwater Sustainability Agency**

Attention: Jim Beck, Executive Director

We are pleased to present this report related to our audit of the financial statements of **Cuyama Basin Groundwater Sustainability Agency** (the Agency) for the year ended June 30, 2019. This report summarizes certain matters required by professional standards to be communicated to you in your oversight responsibility for **Cuyama Basin Groundwater Sustainability Agency** (the Agency)'s financial reporting process.

This report is intended solely for the information and use of the Board of Directors and management and is not intended to be and should not be used by anyone other than these specified parties. It will be our pleasure to respond to any questions you have about this report. We appreciate the opportunity to continue to be of service to **Cuyama Basin Groundwater Sustainability Agency** (the Agency).

*Daniells Phillips Vaughan & Bock*

January 27, 2020

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## Required Communications

Generally accepted auditing standards (AU-C 260, *The Auditor's Communication with Those Charged with Governance*) require the auditor to promote effective two-way communication between the auditor and those charged with governance. Consistent with this requirement, the following summarizes our responsibilities regarding the financial statement audit as well as observations arising from our audit that are significant and relevant to your responsibility to oversee the financial reporting process.

Area	Comments
<b>Our Responsibilities with regard to the Financial Statement Audit</b>	Our responsibilities under auditing standards generally accepted in the United States of America have been described to you in our arrangement letter dated June 10, 2019. Our audit of the financial statements does not relieve management or those charged with governance of their responsibilities, which are also described in that letter.
<b>Overview of the Planned Scope and Timing of the Financial Statement Audit</b>	We have issued a separate communication regarding the planned scope and timing of our audit and have discussed with you our identification of and planned audit response to significant risks of material misstatement.
<b>Accounting Policies and Practices</b>	<p><b>Preferability of Accounting Policies and Practices</b> Under generally accepted accounting principles, in certain circumstances, management may select among alternative accounting practices. In our view, in such circumstances, management has selected the preferable accounting practice.</p> <p><b>Adoption of, or Change in, Accounting Policies</b> Management has the ultimate responsibility for the appropriateness of the accounting policies used by the Agency. The Agency did not adopt any significant new accounting policies nor have there been any changes in existing significant accounting policies during the current period.</p> <p><b>Significant or Unusual Transactions</b> We did not identify any significant or unusual transactions or significant accounting policies in controversial or emerging areas for which there is a lack of authoritative guidance or consensus.</p> <p><b>Management's Judgments and Accounting Estimates</b> Summary information about the process used by management in formulating particularly sensitive accounting estimates and about our conclusions regarding the reasonableness of those estimates is in the attached "Summary of Significant Accounting Estimates."</p>

<b>Area</b>	<b>Comments</b>
<b>Audit Adjustments</b>	There were no audit adjustments proposed by us and recorded by the Agency.
<b>Uncorrected Misstatements</b>	We are not aware of any uncorrected misstatements other than misstatements that are clearly trivial.
<b>Disagreements with Management</b>	We encountered no disagreements with management over the application of significant accounting principles, the basis for management's judgments on any significant matters, the scope of the audit, or significant disclosures to be included in the financial statements.
<b>Consultations with Other Accountants</b>	We are not aware of any consultations management had with other accountants about accounting or auditing matters.
<b>Significant Issues Discussed with Management</b>	No significant issues arising from the audit were discussed with or were the subject of correspondence with management.
<b>Significant Difficulties Encountered in Performing the Audit</b>	We did not encounter any significant difficulties in dealing with management during the audit.
<b>Certain Written Communications between Management and Our Firm</b>	Copies of significant written communications between our firm and the management of the Agency, including the representation letter provided to us by management, are attached as Exhibit A.

# **Cuyama Basin Groundwater Sustainability Agency**

## **Summary of Significant Accounting Estimates**

**Year Ended June 30, 2019**

Accounting estimates are an integral part of the preparation of financial statements and are based upon management's current judgment. The process used by management encompasses their knowledge and experience about past and current events and certain assumptions about future events. There were no significant estimates in the June 30, 2019 financial statements.

**Exhibit A**  
**Representation Letter**



Directors

January 23, 2020

Chairman

Daniells, Phillips, Vaughan & Bock  
300 New Stine Road  
Bakersfield, CA 93309

CEO

Accounting

Finance

Operations

Information Technology

Construction

George Pappalardo

Paul Christensen

David L. ...

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This representation letter is provided in connection with your audit of the basic financial statements of Cuyama Basin Groundwater Sustainability Agency (the Agency) as of and for the years ended June 30, 2019 and 2018 for the purpose of expressing an opinion on whether the financial statements are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).

We confirm, to the best of our knowledge and belief, that as of January 23, 2020:

**Financial Statements**

1. We have fulfilled our responsibilities, as set out in the terms of the audit arrangement letter dated June 10, 2019, for the preparation and fair presentation of the financial statements referred to above in accordance with U.S. GAAP.
2. We acknowledge our responsibility for the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.
3. We acknowledge our responsibility for the design, implementation and maintenance of internal control to prevent and detect fraud.
4. Significant assumptions used by us in making accounting estimates, including those measured at fair value, are reasonable and reflect our judgment based on our knowledge and experience about past and current events, and our assumptions about conditions we expect to exist and courses of action we expect to take.
5. Related-party transactions have been recorded in accordance with the economic substance of the transaction and appropriately accounted for and disclosed in accordance with the requirements of U.S. GAAP.
6. All events subsequent to the date of the financial statements, and for which U.S. GAAP requires adjustment or disclosure, have been adjusted or disclosed.
7. The effects of all known actual or possible litigation and claims have been accounted for and disclosed in accordance with U.S. GAAP.
8. We have no direct or indirect legal or moral obligation for any debt of any organization, public or private, or to special assessment bond holders, that is not disclosed in the financial statements.
9. We have complied with all aspects of contractual agreements that would have a material effect on the financial statements in the event of noncompliance. In connection therewith, we specifically represent that we are responsible for determining that we are not subject to the requirements of the Single Audit Act because we have not received, expended or otherwise been the beneficiary of the required amount of federal awards during the period of this audit.
10. We have no knowledge of any uncorrected misstatements in the financial statements.



**Information Provided**


11. We have provided you with:
  - a. Access to all information of which we are aware that is relevant to the preparation and fair presentation of the financial statements such as records, documentation and other matters;
  - b. Additional information that you have requested from us for the purpose of the audit;
  - c. Unrestricted access to persons within the Agency from whom you determined it necessary to obtain audit evidence; and
  - d. Minutes of the meetings of the governing board and committees, or summaries of actions of recent meetings for which minutes have not yet been prepared.
12. All transactions have been recorded in the accounting records and are reflected in the financial statements.
13. We have disclosed to you the results of our assessment of risk that the financial statements may be materially misstated as a result of fraud.
14. We have no knowledge of allegations of fraud or suspected fraud affecting the Agency's financial statements involving:
  - a. Management
  - b. Employees who have significant roles in internal control.
  - c. Others where the fraud could have a material effect on the financial statements.
15. We have no knowledge of any allegations of fraud or suspected fraud affecting the Agency's financial statements received in communications from employees, former employees, analysts, regulators, short sellers or others.
16. We have no knowledge of noncompliance or suspected noncompliance with laws and regulations whose effects were considered when preparing financial statements.
17. We have disclosed to you all known actual or possible litigation and claims whose effects should be considered when preparing the financial statements.
18. We have disclosed to you the identity of the Agency's related parties and all the related-party relationships and transactions of which we are aware.
19. We are aware of no significant deficiencies, including material weaknesses, in the design or operation of internal controls that could adversely affect the Agency's ability to record, process, summarize and report financial data.
20. We are aware of no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices.
21. During the course of your audit, you may have accumulated records containing data that should be reflected in our books and records. All such data have been so reflected. Accordingly, copies of such records in your possession are no longer needed by us.

### Compliance Considerations

In connection with your audit conducted in accordance with *Government Auditing Standards*, we confirm that management:

22. Is responsible for the preparation and fair presentation of the financial statements in accordance with the applicable financial reporting framework.
23. Is responsible for compliance with the laws, regulations, and provisions of contracts and grant agreements applicable to the auditee.
24. Has identified and disclosed to the auditor all instances that have occurred, or are likely to have occurred, of fraud and noncompliance with provisions of laws and regulations that have a material effect on the financial statements or other financial data significant to the audit objectives, and any other instances that warrant the attention of those charged with governance.
25. Has identified and disclosed to the auditor all instances that have occurred, or are likely to have occurred, of noncompliance with provisions of contracts and grant agreements that have a material effect on the determination of financial statement amounts.
26. Has identified and disclosed to the auditor all instances that have occurred, or are likely to have occurred, of abuse that could be quantitatively or qualitatively material to the financial statements.
27. Is responsible for the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.
28. Acknowledges its responsibility for the design, implementation and maintenance of internal controls to prevent and detect fraud.
29. Has taken timely and appropriate steps to remedy fraud; noncompliance with provisions of laws, regulations, contracts and grant agreements; or abuse that the auditor reports.
30. Has a process to track the status of audit findings and recommendations.
31. Has provided views on the auditor's reported findings, conclusions and recommendations, as well as management's planned corrective actions, for the report.
32. Acknowledges its responsibilities as it relates to non-audit services performed by the auditor, including a statement that it assumes all management responsibilities; that it oversees the services by designating an individual, preferably within senior management, who possesses suitable skill, knowledge or experience; that it evaluates the adequacy and results of the services performed; and that it accepts responsibility for the results of the services.

### Cuyama Basin Groundwater Sustainability Agency

  
 \_\_\_\_\_  
 Jim Beck  
 Contracted Executive Director

  
 \_\_\_\_\_  
 Jacqueline Harris  
 Chief Financial Officer for Contracted Executive Director



**FINANCIAL REPORT**

**June 30, 2019**

**CUYAMA BASIN GROUNDWATER  
SUSTAINABILITY AGENCY**

**FINANCIAL REPORT**

**June 30, 2019**

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## **CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY**

### **ORGANIZATION DATA**

**June 30, 2019**

#### **BOARD OF DIRECTORS**

Derek Yurosek, Chairperson, Cuyama Basin Water District

Lynn Compton, Vice-Chairperson, County of San Luis Obispo

Byron Albano, Director, Cuyama Basin Water District

Cory Bantilan, Director, Santa Barbara County Water Agency

Tom Bracken, Director, Cuyama Basin Water District

George Cappello, Director, Cuyama Basin Water District

Paul Chounet, Director, Cuyama Community Services District

Zack Scrivner, Director, County of Kern

Glenn Shephard, Director, County of Ventura

Das Williams, Director, Santa Barbara County Water Agency

Jane Wooster, Director, Cuyama Basin Water District



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PATRICK W. PAGGI

## INDEPENDENT AUDITOR'S REPORT

To the Board of Directors  
**Cuyama Basin Groundwater Sustainability Agency**  
Bakersfield, California

### Report on the Financial Statements

We have audited the accompanying financial statements of **Cuyama Basin Groundwater Sustainability Agency** as of and for the years ended June 30, 2019 and 2018 and the related notes to the financial statements, which collectively comprise the Agency's basic financial statements as listed in the table of contents.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of **Cuyama Basin Groundwater Sustainability Agency** as of June 30, 2019 and 2018, and the respective changes in financial position and cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

### **Other Matters**

#### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 3-4 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### **Other Reporting Required by Government Auditing Standards**

In accordance with *Government Auditing Standards*, we have also issued our report dated January 23, 2020 on our consideration of **Cuyama Basin Groundwater Sustainability Agency's** internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering **Cuyama Basin Groundwater Sustainability Agency's** internal control over financial reporting and compliance.

*Daniells Phillips Vaughan & Bock*

Bakersfield, California  
January 23, 2020

As the Board of Directors of the **Cuyama Basin Groundwater Sustainability Agency**, we offer readers of the Agency's financial statements this narrative overview and analysis of the Agency's performance during the fiscal years ended June 30, 2019 and 2018. Please read it in conjunction with the Agency's financial statements, which will follow this section.

### **Agency Formation and Organization**

**Cuyama Basin Groundwater Sustainability Agency** (the "Agency") is a joint powers authority established on June 6, 2017 in accordance with Sustainable Groundwater Management Act (SGMA). SGMA requires that a Groundwater Sustainability Plan (GSP) be adopted for the 21 basins and subbasins identified by the Department of Water Resources as "critically overdrafted," of which, the Agency is one. The purpose of the GSP is to achieve sustainability in the basin by the year 2040. The Agency is responsible for developing and initiating the implementation of a GSP by January 31, 2020. Funding for projects is obtained through State grants utilizing State bond funds and potential matching funds from local government agencies.

### **Using This Annual Report**

This annual report includes this management's discussion and analysis report, the independent auditor's report and the basic financial statements of the Agency. The basic financial statements consist of a series of financial statements. The statement of net position, the statement of revenues, expenses and changes in net position and the statement of cash flows provide information about the activities of the Agency. The basic financial statements also include various footnote disclosures, which further describe Agency activities.

### **Required Financial Statements**

The financial statements of the Agency report information of the Agency using accounting methods similar to those used by private sector companies. These statements offer short and long-term financial information about its activities. The statement of net position includes all of the Agency's assets and liabilities and provides information about the nature and amounts of investments in resources (assets) and the obligations to Agency creditors (liabilities). It also provides the basis for evaluating the capital structure of the Agency and assessing the liquidity and financial flexibility of the Agency.

All of the year's revenues and expenses are accounted for in the statement of revenues, expenses and changes in net position. This statement measures the success of the Agency's operations over the past year and can be used to determine whether the Agency has successfully recovered all its costs through its user fees and other charges, profitability and credit worthiness.

The final required financial statement is the statement of cash flows. This statement reports cash resulting from operations, investing, and financing activities and provides answers to such questions as where did cash come from, what was cash used for, and what was the change in cash balance during the reporting period.

### **Financial Highlights**

- A large portion of the Agency's assets is accounts receivable of approximately \$1,620,700.
- The Agency's operating revenue in 2019 was approximately \$1,672,900, which consists of grant revenue and participant assessments.
- The Agency's operating expenses in 2019 were approximately \$1,349,400, primarily due to consulting expenses.

## 2019 and 2018 Condensed Financial Statements

	2019	2018
Current assets	\$ 1,649,055	\$ 564,185
Current liabilities	\$ 1,435,610	\$ 674,315
Net position	\$ 213,445	\$ (110,130)
Operating revenues	\$ 1,672,930	\$ 984,100
Operating expenses	1,349,355	1,094,230
Change in net position	\$ 323,575	\$ (110,130)

### Contacting the Agency's Financial Management

This financial report is designed to provide the Board of Directors and the Agency's stakeholders with a general overview of the Agency's accountability for the assets it receives and manages.

If you have questions about this report or need additional information, please contact Taylor Blakslee, Project Manager, at 4900 California Ave, Tower B, 2<sup>nd</sup> Floor, Bakersfield, California 93309.



## CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

### STATEMENTS OF NET POSITION June 30, 2019 and 2018

	2019	2018
<b>ASSETS</b>		
Current Assets		
Cash	\$ 28,395	\$ 22,470
Accounts receivable	1,620,660	541,715
<b>Total current assets</b>	<b>\$ 1,649,055</b>	<b>\$ 564,185</b>
<b>LIABILITIES AND NET POSITION</b>		
Current Liabilities		
Accounts payable		
<b>Total current liabilities</b>	<b>\$ 1,435,610</b>	<b>\$ 674,315</b>
Net Position		
Unrestricted		
<b>Total net position</b>	<b>213,445</b>	<b>(110,130)</b>
<b>Total liabilities and net position</b>	<b>\$ 1,649,055</b>	<b>\$ 564,185</b>

See Notes to Financial Statements.

## CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

### STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

Years Ended June 30, 2019 and 2018

	2019	2018
Operating revenues		
Grants	\$ 1,620,660	\$ -
Assessments	52,270	984,100
<b>Total operating revenues</b>	<b>1,672,930</b>	<b>984,100</b>
Operating expenses		
Program	1,069,448	865,570
General and administration	279,907	228,660
<b>Total operating expenses</b>	<b>1,349,355</b>	<b>1,094,230</b>
<b>Change in net position</b>	<b>323,575</b>	<b>(110,130)</b>
Net position, beginning	(110,130)	-
Net position, ending	<b>\$ 213,445</b>	<b>\$ (110,130)</b>

See Notes to Financial Statements.

## CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

### STATEMENTS OF CASH FLOWS Years Ended June 30, 2019 and 2018

	2019	2018
<b>Cash Flows From Operating Activities</b>		
Receipts from participants	\$ 593,985	\$ 442,385
Payments for program expenses	(422,461)	(329,734)
Payments for administration services	(165,599)	(90,181)
<b>Net cash provided by operating activities</b>	<b>5,925</b>	<b>22,470</b>
Cash:		
Beginning	22,470	-
Ending	<u>\$ 28,395</u>	<u>\$ 22,470</u>
<b>Reconciliation of operating income (loss) to net cash provided by operating activities</b>		
Operating income (loss)	\$ 323,575	\$ (110,130)
Adjustments to reconcile operating income (loss) to net cash provided by operating activities:		
Changes in working capital components:		
(Increase) in:		
Accounts receivable	(1,078,945)	(541,715)
Increase in:		
Accounts payable	761,295	674,315
<b>Net cash provided by operating activities</b>	<b>\$ 5,925</b>	<b>\$ 22,470</b>

See Notes to Financial Statements

## Note 1. Nature of Agency and Summary of Significant Accounting Policies

*Nature of activities:* Cuyama Basin Groundwater Sustainability Agency (the "Agency") is a joint powers Authority established on June 6, 2017 in accordance with Sustainable Groundwater Management Act (SGMA). SGMA requires that a Groundwater Sustainability Plan (GSP) be adopted for the 21 basins and subbasins identified by the Department of Water Resources (DWR) as "critically overdrafted," of which, the Agency is one. The purpose of the GSP is to achieve sustainability in the basin by the year 2040. The Agency is responsible for developing a GSP for DWR review by January 31, 2020, and implementing that GSP over the next 20 years.

A summary of the Agency's significant accounting policies follows:

*Reporting entity:* The Agency has no oversight responsibility for any other governmental entity, nor is the Agency's operation a component unit of any other governmental entity. Therefore, the reporting entity consists only of Agency operations.

The Agency operates as an enterprise fund. An enterprise fund accounts for operations that are financed and operated similar to private business enterprises.

*Use of estimates:* The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

*Basis of accounting:* The accompanying financial statements have been prepared on the accrual basis of accounting. Under the accrual basis, revenues are recognized when earned and expenses are recognized when incurred.

Enterprise funds have the option of consistently following or not following pronouncements issued by the Financial Accounting Standards Board (FASB) subsequent to November 30, 1989. The Agency has elected not to follow FASB standards issued after that date, unless such standards are specifically adopted by the Governmental Accounting Standards Board (GASB).

*Cash:* The Agency maintains its cash in a bank deposit account, which, at times may exceed federally insured limits. The Agency has not experienced any losses in such account. The Agency believes it is not exposed to any significant credit risk on cash.

*Accounts receivable:* Accounts receivable represents amounts due from participants and the California Department of Water Resources. The Agency considers accounts receivable to be fully collectible; accordingly, no allowance for doubtful accounts is required.

*Net position:* The basic financial statements utilize a net position presentation. Net position is categorized as unrestricted.

- *Unrestricted Net Position* - This category represents the net position of the Agency, not restricted for any project or other purpose.

*Subsequent events:* The Agency has evaluated subsequent events through January 23, 2020, the date on which the financial statements were available to be issued. There were no subsequent events identified by management which would require disclosure in the financial statements.

**Note 2. Cash**

Cash held by the Agency consists of cash in a general checking account.

**Custodial Credit Risk**

Custodial credit risk for *deposits* is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The California Government Code does not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law (unless so waived by the governmental unit).

**Note 3. Concentration of Revenue and Contingency**

For the year ended June 30, 2019 approximately 97% of the Agency's total revenue was received from one state of California grant that is subject to review and audit by the state of California. If the review or audit discloses exceptions, the Agency may incur a liability to the State of California.

For the year ended June 30, 2018, approximately 82% of the Agency's total revenue was received from one participant.



**OTHER INDEPENDENT AUDITOR'S REPORT**



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PATRICK W. PAGGI

**INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

Board of Directors  
**Cuyama Basin Groundwater Sustainability Agency**  
Bakersfield, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of **Cuyama Basin Groundwater Sustainability Agency** as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise **Cuyama Basin Groundwater Sustainability Agency's** basic financial statements, and have issued our report thereon dated January 23, 2020.

**Internal Control over Financial Reporting**

In planning and performing our audit of the financial statements, we considered **Cuyama Basin Groundwater Sustainability Agency's** internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of **Cuyama Basin Groundwater Sustainability Agency's** internal control. Accordingly, we do not express an opinion on the effectiveness of **Cuyama Basin Groundwater Sustainability Agency's** internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be significant deficiencies or material weaknesses and therefore, material weakness or significant deficiencies may exist that were not identified. Given these limitations, during our audit, we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weakness may exist that have not been identified.

**Compliance and Other Matters**

As part of obtaining reasonable assurance about whether **Cuyama Basin Groundwater Sustainability Agency's** financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed an instance of noncompliance or other matters that is required to be reported under *Government Auditing Standards* described in the accompanying schedule of findings and responses as item CF-2018-01.

**Cuyama Basin Groundwater Sustainability Agency Response to Finding**

**Cuyama Basin Groundwater Sustainability Agency's** response to the finding identified in our audit is described in the accompanying schedule of findings and responses. **Cuyama Basin Groundwater Sustainability Agency's** response was not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

**Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the **Cuyama Basin Groundwater Sustainability Agency's** internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the **Cuyama Basin Groundwater Sustainability Agency's** internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*Daniells Phillips Vaughan & Bock*

Bakersfield, California  
January 23, 2020

## I. COMPLIANCE AND OTHER MATTERS

CF-2018-01 **Condition:** The Agency has not timely filed their 2018 audited financial statements with the State Controller's Office.

**Criteria:** State of California Government Code 26909 requires all governmental entities including the Agency to submit audited financial statements within twelve months of year end.

**Cause:** Lack of knowledge on behalf of the Agency of the requirements of the state of California regarding timely preparation and filing of the audited financial statements and required supplementary information.

**Effect:** Failure to comply with the requirements set forth by the state of California could lead to penalties and potential of revocation of the governmental status.

**Recommendation:** The Agency should become familiar with all state of California reporting requirements. In addition, the Agency should file the required reports for 2018 to come into compliance.

**Management's Response/Planned Corrective Action:** The Agency acknowledges its failure to comply with filing the required reports to the state of California and has retained an independent auditor to prepare future reports as required by the state of California.



TO: Board of Directors  
Agenda Item No. 10d

FROM: Jim Beck, Executive Director and Taylor Blakslee, Hallmark Group

DATE: March 4, 2020

SUBJECT: Financial Management Overview

**Issue**

Overview of the financial management for Cuyama Basin Groundwater Sustainability Agency activities.

**Recommended Motion**

None – information only.

**Discussion**

A presentation on the financial management for Cuyama Basin Groundwater Sustainability Agency activities is provided as Attachment 1.



# Cuyama Basin Groundwater Sustainability Agency

## Financial Report

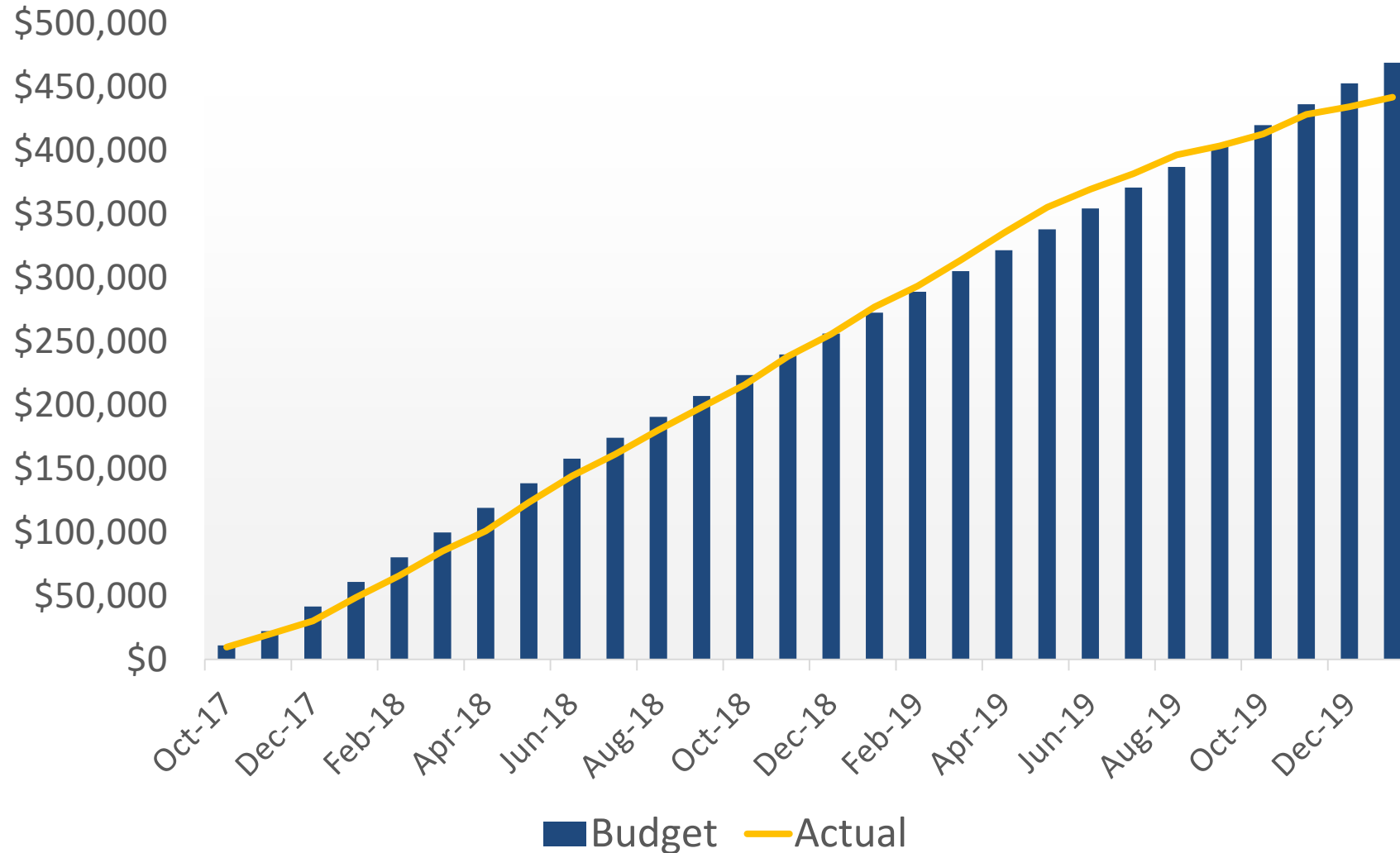
March 4, 2020

# CBGSA OUTSTANDING INVOICES

Task	Invoiced Through	Cumulative Total
Legal Counsel (Klein)	1/21/2020	\$8,644
Executive Director (HG)	1/31/2020	\$39,637
GSP Development (W&C)	1/31/2020	\$153,633
<b>TOTAL</b>		<b>\$201,914</b>

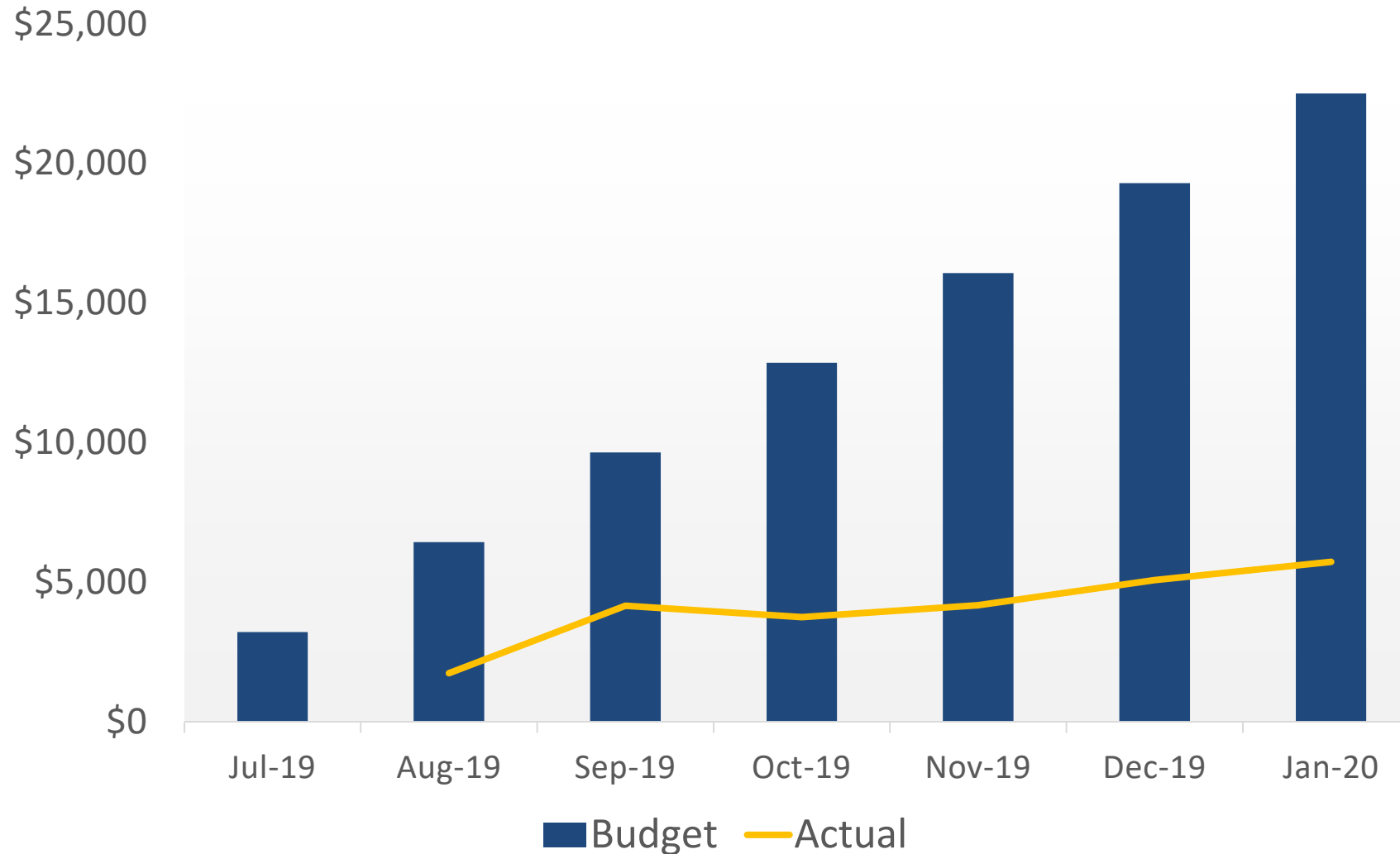
# Hallmark Group – Budget-to-Actuals

Task Order Nos. 1-3



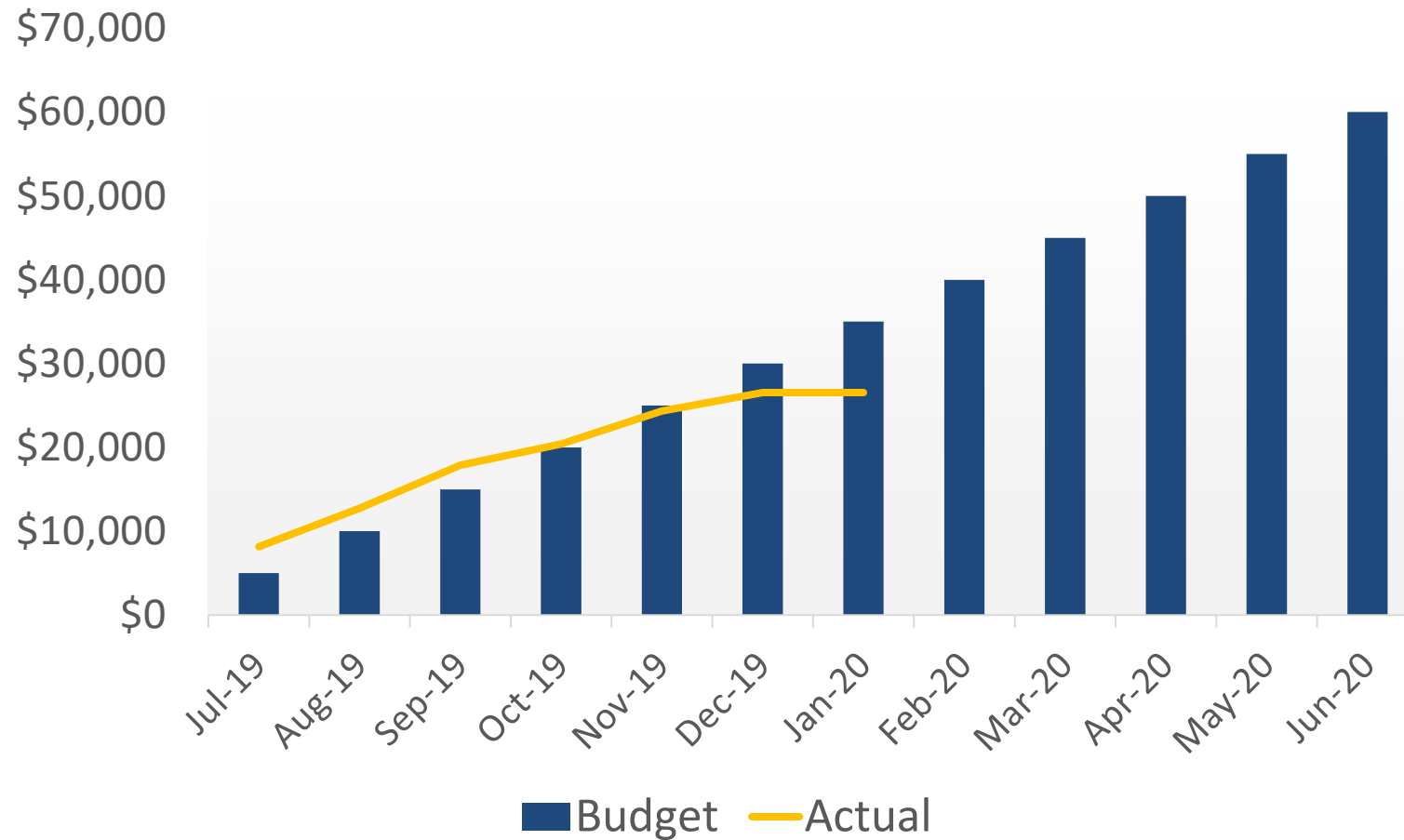
# Hallmark Group – Budget-to-Actuals

Task Order No. 4



# Legal Counsel – Budget-to-Actuals

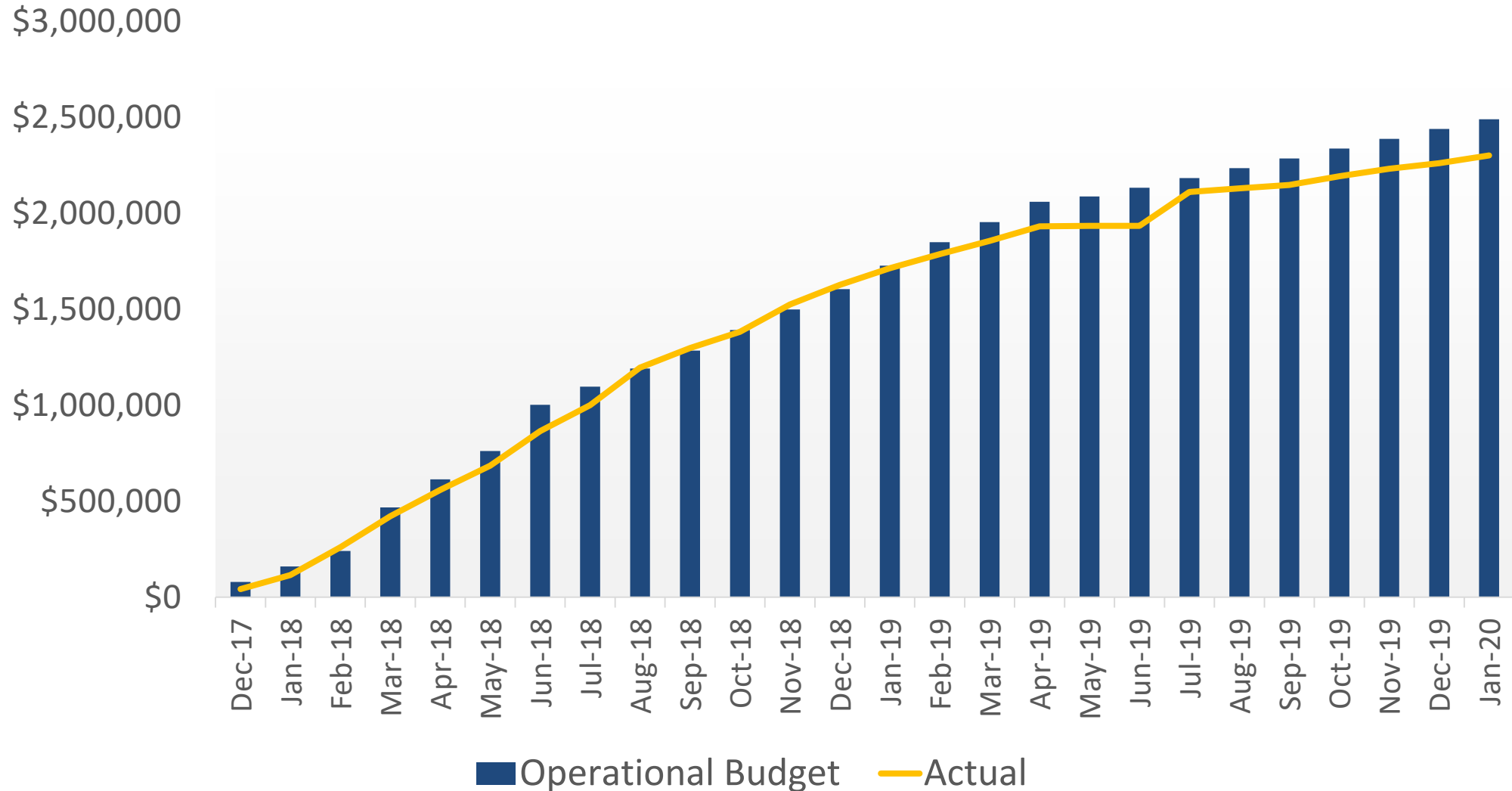
FY 19-20





# Woodard & Curran – Budget-to-Actuals

Task Order Nos. 1-6



*ITEM NO. 10E - CBGSA VOLUNTARY CONTRIBUTION REIMBURSEMENT  
UPDATE WILL BE PROVIDED ONCE FINALIZED.*



TO: Board of Directors  
Agenda Item No. 10f

FROM: Taylor Blakslee, Hallmark Group

DATE: March 4, 2020

SUBJECT: Financial Report

**Issue**

Financial Report

**Recommended Motion**

None – information only.

**Discussion**

The Cuyama Basin Groundwater Sustainability Agency's financial reports for November 2019, December 2019, and January 2020 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
- 2019/2020 Operating Budget



# **Cuyama Basin GSA**

## **Financial Statements November 2019**

**CUYAMA BASIN GSA**  
**Statement of Financial Position**  
As of November 30, 2019

	<u>Nov 30, 19</u>	<u>Nov 30, 18</u>	<u>\$ Change</u>	<u>% Change</u>
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
Chase - General Checking	50,999	35,261	15,738	45%
<b>Total Checking/Savings</b>	50,999	35,261	15,738	45%
<b>Accounts Receivable</b>				
Accounts Receivable	306,047	87,119	218,929	251%
<b>Total Accounts Receivable</b>	306,047	87,119	218,929	251%
<b>Other Current Assets</b>				
Grant Retention Receivable	196,071	0	196,071	100%
<b>Total Other Current Assets</b>	196,071	0	196,071	100%
<b>Total Current Assets</b>	553,118	122,380	430,738	352%
<b>TOTAL ASSETS</b>	<b>553,118</b>	<b>122,380</b>	<b>430,738</b>	<b>352%</b>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
Accounts Payable				
Accounts Payable	392,081	947,152	-555,072	-59%
<b>Total Accounts Payable</b>	392,081	947,152	-555,072	-59%
<b>Total Current Liabilities</b>	392,081	947,152	-555,072	-59%
<b>Total Liabilities</b>	392,081	947,152	-555,072	-59%
<b>Equity</b>				
Unrestricted Net Assets	213,445	-110,130	323,576	294%
Net Income	-52,408	-714,642	662,234	93%
<b>Total Equity</b>	161,037	-824,772	985,809	120%
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>553,118</b>	<b>122,380</b>	<b>430,738</b>	<b>352%</b>



**CUYAMA BASIN GSA**  
**Receipts and Disbursements**  
**As of November 30, 2019**

261

Type	Date	Num	Name	Debit	Credit
<b>Chase - General Checking</b>					
Check	07/03/2019	Fees	Chase Bank		95.00
Check	08/05/2019	Fees	Chase Bank		95.00
Payment	08/14/2019	04-010669	Department of Water Resources	1,458,594.22	
Bill Pmt -Check	08/19/2019	1016	HGCPM, Inc.		197,193.71
Bill Pmt -Check	08/19/2019	1017	Klein, DeNatale, Goldner		16,443.82
Bill Pmt -Check	08/19/2019	1018	Woodard & Curran Inc		1,221,972.77
Check	10/03/2019	Fees	Chase Bank		95.00
Check	11/05/2019	Fees	Chase Bank		95.00
Total Chase - General Checking				1,458,594.22	1,435,990.30
<b>TOTAL</b>				<b>1,458,594.22</b>	<b>1,435,990.30</b>

**CUYAMA BASIN GSA**  
**A/R Aging Summary**  
As of November 30, 2019

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Department of Water Resources	101,916	204,132	0	0	0	306,047
<b>TOTAL</b>	<b><u>101,916</u></b>	<b><u>204,132</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>306,047</u></b>

**CUYAMA BASIN GSA**  
**A/P Aging Summary**  
As of November 30, 2019

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263

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Daniells Phillips Vaughan & Bock	0	7,000	0	0	0	7,000
HGCPM, Inc.	15,903	8,862	9,488	16,548	12,207	63,009
Klein, DeNatale, Goldner	3,936	2,511	5,172	4,584	8,130	24,334
Woodard & Curran Inc	39,744	45,125	17,742	18,426	176,701	297,738
<b>TOTAL</b>	<b><u>59,584</u></b>	<b><u>63,498</u></b>	<b><u>32,401</u></b>	<b><u>39,559</u></b>	<b><u>197,039</u></b>	<b><u>392,081</u></b>

# CUYAMA BASIN GSA

## Statement of Operations with Budget Variance

July through November 2019

	Jul - Nov 19	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>Direct Public Funds</b>				
<b>Grants</b>	340,053	228,918	111,135	149%
<b>Total Direct Public Funds</b>	340,053	228,918	111,135	149%
<b>Total Income</b>	340,053	228,918	111,135	149%
<b>Cost of Goods Sold</b>				
<b>Program Expenses</b>				
<b>Category/Component 1</b>				
<b>Technical Assistance</b>	8,649	77,142	-68,493	11%
<b>Total Category/Component 1</b>	8,649	77,142	-68,493	11%
<b>Category/Component 2</b>				
<b>Grant Administration</b>	0	9,992	-9,992	0%
<b>Total Category/Component 2</b>	0	9,992	-9,992	0%
<b>Technical Consulting</b>				
<b>GSP Development</b>	195,198	30,030	165,168	650%
<b>GSP Implementation</b>	13,525	13,461	64	100%
<b>Stakeholder Engagement</b>	27,429	49,475	-22,046	55%
<b>Outreach</b>	12,930	9,215	3,715	140%
<b>Total Technical Consulting</b>	249,082	102,181	146,901	244%
<b>Total Program Expenses</b>	257,731	189,315	68,416	136%
<b>Total COGS</b>	257,731	189,315	68,416	136%
<b>Gross Profit</b>	82,322	39,603	42,719	208%
<b>Expense</b>				
<b>General and Administrative</b>				
<b>GSA Executive Director</b>				
<b>GSA BOD Meetings</b>	22,900	47,152	-24,252	49%
<b>Consult Mgmt and GSP Devel</b>	20,900	12,073	8,827	173%
<b>Financial Information Coord</b>	11,863	13,745	-1,883	86%
<b>CBGSA Outreach</b>	1,575	8,275	-6,700	19%
<b>GW Extraction Fee</b>	4,175	50,000	-45,825	8%
<b>Travel and Direct Costs</b>	1,596	605	991	264%
<b>Total GSA Executive Director</b>	63,009	131,850	-68,841	48%
<b>Other Administrative</b>				
<b>Auditing/Accounting Fees</b>	7,000	16,000	-9,000	44%
<b>Grant Proposals</b>	40,007	40,000	7	100%
<b>Bank Service Fees</b>	380	0	380	100%
<b>Legal</b>	24,334	25,000	-666	97%
<b>Total Other Administrative</b>	71,721	81,000	-9,279	89%
<b>Total General and Administrative</b>	134,730	212,850	-78,120	63%
<b>Total Expense</b>	134,730	212,850	-78,120	63%
<b>Net Ordinary Income</b>	-52,408	-173,247	120,839	30%
<b>Net Income</b>	-52,408	-173,247	120,839	30%

**CUYAMA BASIN GSA**  
**2019/2020 Operating Budget**  
 July 2019 through June 2020

	Jul '19 - Jun 20
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Direct Public Funds</b>	
Grants	520,932
<b>Total Direct Public Funds</b>	520,932
<b>Total Income</b>	520,932
<b>Cost of Goods Sold</b>	
<b>Program Expenses</b>	
<b>Category/Component 1</b>	
Technical Assistance	180,000
<b>Total Category/Component 1</b>	180,000
<b>Category/Component 2</b>	
Grant Administration	14,990
<b>Total Category/Component 2</b>	14,990
<b>Technical Consulting</b>	
GSP Development	30,030
GSP Implementation	197,724
Stakeholder Engagement	123,822
Outreach	25,802
Management Area Costs	49,608
<b>Total Technical Consulting</b>	426,986
<b>Total Program Expenses</b>	621,976
<b>Total COGS</b>	621,976
<b>Gross Profit</b>	-101,044
<b>Expense</b>	
<b>General and Administrative</b>	
<b>GSA Executive Director</b>	
GSA BOD Meetings	79,314
Consult Mgmt and GSP Devel	45,801
Financial Information Coor	32,790
CBGSA Outreach	18,738
GW Extraction Fee	60,000
Management Area Admin	15,000
Travel and Direct Costs	1,118
<b>Total GSA Executive Director</b>	252,761
<b>Other Administrative</b>	
Auditing/Accounting Fees	16,000
Grant Proposals	40,000
General Liability Insurance	11,000
Legal	60,000
Other Admin Expense	200
Contingency	20,000
<b>Total Other Administrative</b>	147,200
<b>Total General and Administrative</b>	399,961
<b>Total Expense</b>	399,961
<b>Net Ordinary Income</b>	-501,005
<b>Net Income</b>	-501,005





# **Cuyama Basin GSA**

## **Financial Statements December 2019**

**CUYAMA BASIN GSA**  
**Statement of Financial Position**  
As of December 31, 2019

	<u>Dec 31, 19</u>	<u>Dec 31, 18</u>	<u>\$ Change</u>	<u>% Change</u>
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
Chase - General Checking	332,009	31,448	300,561	956%
<b>Total Checking/Savings</b>	332,009	31,448	300,561	956%
<b>Accounts Receivable</b>				
Accounts Receivable	31,116	90,838	-59,721	-66%
<b>Total Accounts Receivable</b>	31,116	90,838	-59,721	-66%
<b>Other Current Assets</b>				
Grant Retention Receivable	196,071	0	196,071	100%
<b>Total Other Current Assets</b>	196,071	0	196,071	100%
<b>Total Current Assets</b>	559,197	122,285	436,911	357%
<b>TOTAL ASSETS</b>	<b>559,197</b>	<b>122,285</b>	<b>436,911</b>	<b>357%</b>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
Accounts Payable				
Accounts Payable	429,351	1,071,736	-642,385	-60%
<b>Total Accounts Payable</b>	429,351	1,071,736	-642,385	-60%
<b>Total Current Liabilities</b>	429,351	1,071,736	-642,385	-60%
<b>Total Liabilities</b>	429,351	1,071,736	-642,385	-60%
<b>Equity</b>				
Unrestricted Net Assets	213,445	-110,130	323,576	294%
Net Income	-83,600	-839,320	755,720	90%
<b>Total Equity</b>	129,846	-949,450	1,079,296	114%
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>559,197</b>	<b>122,285</b>	<b>436,911</b>	<b>357%</b>

**CUYAMA BASIN GSA**  
**Receipts and Disbursements**  
As of December 31, 2019

268

Type	Date	Num	Name	Debit	Credit
<b>Chase - General Checking</b>					
Check	07/03/2019	Fees	Chase Bank		95.00
Check	08/05/2019	Fees	Chase Bank		95.00
Payment	08/14/2019	04-010669	Department of Water Resources	1,458,594.22	
Bill Pmt -Check	08/19/2019	1016	HGCPM, Inc.		197,193.71
Bill Pmt -Check	08/19/2019	1017	Klein, DeNatale, Goldner		16,443.82
Bill Pmt -Check	08/19/2019	1018	Woodard & Curran Inc		1,221,972.77
Check	10/03/2019	Fees	Chase Bank		95.00
Check	11/05/2019	Fees	Chase Bank		95.00
Check	12/04/2019	Fees	Chase Bank		95.00
Payment	12/13/2019	04-130477	Department of Water Resources	274,931.24	
Payment	12/13/2019	19874	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	6,154.67	
Payment	12/13/2019	3145	Groundwater Extraction Fees:Cooper's Petroleum Dist, Inc	19.00	
Total Chase - General Checking				1,739,699.13	1,436,085.30
<b>TOTAL</b>				<b>1,739,699.13</b>	<b>1,436,085.30</b>

**CUYAMA BASIN GSA**  
**A/R Aging Summary**  
As of December 31, 2019

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Department of Water Resources	31,116	0	0	0	0	31,116
<b>TOTAL</b>	<b>31,116</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,116</b>

**CUYAMA BASIN GSA**  
**A/P Aging Summary**  
As of December 31, 2019

270

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Daniells Phillips Vaughan & Bock	0	0	7,000	0	0	7,000
HGCPM, Inc.	6,915	15,903	8,862	9,488	28,756	69,924
Klein, DeNatale, Goldner	2,196	3,936	2,511	5,172	12,715	26,531
Woodard & Curran Inc	28,158	39,744	45,125	17,742	195,127	325,896
<b>TOTAL</b>	<b><u>37,270</u></b>	<b><u>59,584</u></b>	<b><u>63,498</u></b>	<b><u>32,401</u></b>	<b><u>236,598</u></b>	<b><u>429,351</u></b>



# CUYAMA BASIN GSA

271

## Statement of Operations with Budget Variance

July through December 2019

	Jul - Dec 19	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>Direct Public Funds</b>				
<b>Grants</b>	340,053	476,600	-136,547	71%
<b>Groundwater Extraction Fee</b>	6,174	0	6,174	100%
<b>Total Direct Public Funds</b>	346,226	476,600	-130,374	73%
<b>Total Income</b>	346,226	476,600	-130,374	73%
<b>Cost of Goods Sold</b>				
<b>Program Expenses</b>				
<b>Category/Component 1</b>				
<b>Technical Assistance</b>	13,613	102,856	-89,243	13%
<b>Total Category/Component 1</b>	13,613	102,856	-89,243	13%
<b>Category/Component 2</b>				
<b>Grant Administration</b>	0	12,491	-12,491	0%
<b>Total Category/Component 2</b>	0	12,491	-12,491	0%
<b>Technical Consulting</b>				
<b>GSP Development</b>	197,779	30,030	167,749	659%
<b>GSP Implementation</b>	22,813	16,154	6,659	141%
<b>Stakeholder Engagement</b>	38,430	59,370	-20,940	65%
<b>Outreach</b>	13,254	11,058	2,196	120%
<b>Total Technical Consulting</b>	272,276	116,612	155,664	233%
<b>Total Program Expenses</b>	285,889	231,959	53,930	123%
<b>Total COGS</b>	285,889	231,959	53,930	123%
<b>Gross Profit</b>	60,337	244,641	-184,304	25%
<b>Expense</b>				
<b>General and Administrative</b>				
<b>GSA Executive Director</b>				
<b>GSA BOD Meetings</b>	24,625	56,583	-31,958	44%
<b>Consult Mgmt and GSP Devel</b>	23,950	14,487	9,463	165%
<b>Financial Information Coor</b>	12,838	16,491	-3,654	78%
<b>CBGSA Outreach</b>	1,625	9,933	-8,308	16%
<b>GW Extraction Fee</b>	5,075	60,000	-54,925	8%
<b>Travel and Direct Costs</b>	1,812	726	1,086	250%
<b>Total GSA Executive Director</b>	69,924	158,220	-88,296	44%
<b>Other Administrative</b>				
<b>Auditing/Accounting Fees</b>	7,000	16,000	-9,000	44%
<b>Grant Proposals</b>	40,007	40,000	7	100%
<b>Bank Service Fees</b>	475	0	475	100%
<b>Legal</b>	26,531	30,000	-3,469	88%
<b>Total Other Administrative</b>	74,013	86,000	-11,987	86%
<b>Total General and Administrative</b>	143,937	244,220	-100,283	59%
<b>Total Expense</b>	143,937	244,220	-100,283	59%
<b>Net Ordinary Income</b>	-83,600	421	-84,021	-19,857%
<b>Net Income</b>	-83,600	421	-84,021	-19,857%

**CUYAMA BASIN GSA**  
**2019/2020 Operating Budget**  
 July 2019 through June 2020

	<u>Jul '19 - Jun 20</u>
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Direct Public Funds</b>	
Grants	520,932
<b>Total Direct Public Funds</b>	520,932
<b>Total Income</b>	520,932
<b>Cost of Goods Sold</b>	
<b>Program Expenses</b>	
<b>Category/Component 1</b>	
Technical Assistance	180,000
<b>Total Category/Component 1</b>	180,000
<b>Category/Component 2</b>	
Grant Administration	14,990
<b>Total Category/Component 2</b>	14,990
<b>Technical Consulting</b>	
GSP Development	30,030
GSP Implementation	197,724
Stakeholder Engagement	123,822
Outreach	25,802
Management Area Costs	49,608
<b>Total Technical Consulting</b>	426,986
<b>Total Program Expenses</b>	621,976
<b>Total COGS</b>	621,976
<b>Gross Profit</b>	-101,044
<b>Expense</b>	
<b>General and Administrative</b>	
<b>GSA Executive Director</b>	
GSA BOD Meetings	79,314
Consult Mgmt and GSP Devel	45,801
Financial Information Coor	32,790
CBGSA Outreach	18,738
GW Extraction Fee	60,000
Management Area Admin	15,000
Travel and Direct Costs	1,118
<b>Total GSA Executive Director</b>	252,761
<b>Other Administrative</b>	
Auditing/Accounting Fees	16,000
Grant Proposals	40,000
General Liability Insurance	11,000
Legal	60,000
Other Admin Expense	200
Contingency	20,000
<b>Total Other Administrative</b>	147,200
<b>Total General and Administrative</b>	399,961
<b>Total Expense</b>	399,961
<b>Net Ordinary Income</b>	-501,005
<b>Net Income</b>	-501,005



# **Cuyama Basin GSA**

## **Financial Statements January 2020**

**CUYAMA BASIN GSA**  
**Statement of Financial Position**  
As of January 31, 2020

	Jan 31, 20	Jan 31, 19	\$ Change	% Change
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
Chase - General Checking	132,836	31,353	101,483	324%
<b>Total Checking/Savings</b>	132,836	31,353	101,483	324%
<b>Accounts Receivable</b>				
Accounts Receivable	526,859	90,838	436,022	480%
<b>Total Accounts Receivable</b>	526,859	90,838	436,022	480%
<b>Other Current Assets</b>				
Grant Retention Receivable	196,071	0	196,071	100%
<b>Total Other Current Assets</b>	196,071	0	196,071	100%
<b>Total Current Assets</b>	855,767	122,190	733,576	600%
<b>TOTAL ASSETS</b>	<b>855,767</b>	<b>122,190</b>	<b>733,576</b>	<b>600%</b>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
Accounts Payable				
Accounts Payable	208,914	1,186,964	-978,050	-82%
<b>Total Accounts Payable</b>	208,914	1,186,964	-978,050	-82%
<b>Total Current Liabilities</b>	208,914	1,186,964	-978,050	-82%
<b>Total Liabilities</b>	208,914	1,186,964	-978,050	-82%
<b>Equity</b>				
Unrestricted Net Assets	213,445	-110,130	323,576	294%
Net Income	433,408	-954,643	1,388,051	145%
<b>Total Equity</b>	646,853	-1,064,773	1,711,626	161%
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>855,767</b>	<b>122,190</b>	<b>733,576</b>	<b>600%</b>

**CUYAMA BASIN GSA**  
**Receipts and Disbursements**  
As of January 31, 2020

Type	Date	Num	Name	Debit	Credit
<b>Chase - General Checking</b>					
Check	07/03/2019	Fees	Chase Bank		95.00
Check	08/05/2019	Fees	Chase Bank		95.00
Payment	08/14/2019	04-010669	Department of Water Resources	1,458,594.22	
Bill Pmt -Check	08/19/2019	1016	HGCPM, Inc.		197,193.71
Bill Pmt -Check	08/19/2019	1017	Klein, DeNatale, Goldner		16,443.82
Bill Pmt -Check	08/19/2019	1018	Woodard & Curran Inc		1,221,972.77
Check	10/03/2019	Fees	Chase Bank		95.00
Check	11/05/2019	Fees	Chase Bank		95.00
Check	12/04/2019	Fees	Chase Bank		95.00
Payment	12/13/2019	04-130477	Department of Water Resources	274,931.24	
Payment	12/13/2019	19874	Groundwater Extraction Fees:Apache Canyon Ranch, Inc	6,154.67	
Payment	12/13/2019	3145	Groundwater Extraction Fees:Cooper's Petroleum Dist, Inc	19.00	
Bill Pmt -Check	01/09/2020	1019	HGCPM, Inc.		38,243.37
Bill Pmt -Check	01/09/2020	1020	Klein, DeNatale, Goldner		17,886.80
Bill Pmt -Check	01/09/2020	1021	Woodard & Curran Inc		212,869.27
Payment	01/23/2020	464	Groundwater Extraction Fees:Lewis, David	194.18	
Payment	01/23/2020	1438	Groundwater Extraction Fees:Stone Pine Estate	76.00	
Payment	01/23/2020	1031	Groundwater Extraction Fees:Harrington, Roy	2,356.00	
Payment	01/23/2020	2465	Groundwater Extraction Fees:Harrington, Roy	2,346.50	
Payment	01/23/2020	7297	Groundwater Extraction Fees:Harrington, Roy	2,346.50	
Payment	01/29/2020	5529	Groundwater Extraction Fees:Pal Ranch, Inc	199.50	
Payment	01/29/2020	100129	Groundwater Extraction Fees:Sunridge Nurseries, Inc	6,916.00	
Payment	01/29/2020	146790	Groundwater Extraction Fees:Kern Ridge Growers, LLC	29,602.76	
Payment	01/29/2020	1054	Groundwater Extraction Fees:Holder Cattle Co, LLC	19.00	
Payment	01/29/2020	232	Groundwater Extraction Fees:Lucky Dog Ranch, LLC	5,396.95	
Payment	01/29/2020	1696	Groundwater Extraction Fees:Tri-County Pistachios	17,895.15	
Payment	01/29/2020	11126	Groundwater Extraction Fees:Cuyama Community Srvc Dist	2,577.73	
Bill Pmt -Check	01/30/2020	1022	CA Assoc of Mutual Water Companies		100.00
Total Chase - General Checking				1,809,625.40	1,705,184.74
<b>TOTAL</b>				<b>1,809,625.40</b>	<b>1,705,184.74</b>



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

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Department of Water Resources	0	0	0	31,116	0	31,116
<b>Groundwater Extraction Fees</b>						
Bolthouse Farms	0	114,087	0	0	0	114,087
Bolthouse Farms - Perkins Ranch	0	5,183	0	0	0	5,183
Brodiaea, Inc	0	13,353	0	0	0	13,353
Cuyama Mutual Water Co.	0	87	0	0	0	87
Cuyama Orchards, Inc	0	16,691	0	0	0	16,691
E & B Natural Resources Mgmt Corp	0	419	0	0	0	419
El Rancho Espanol	0	63	0	0	0	63
Feinstein Investments	0	3,311	0	0	0	3,311
Grimmway Enterprises, Inc	0	294,152	0	0	0	294,152
Harrington Farms	0	2,565	0	0	0	2,565
Holder Cattle Co, LLC	0	-19	0	0	0	-19
JHP Global, Inc	0	7,439	0	0	0	7,439
Sunrise Olive Ranch, LLC	0	20,425	0	0	0	20,425
The Ranch	0	1,385	0	0	0	1,385
Triangle E. Farms	0	16,603	0	0	0	16,603
<b>Total Groundwater Extraction Fees</b>	0	495,743	0	0	0	495,743
<b>TOTAL</b>	<b>0</b>	<b>495,743</b>	<b>0</b>	<b>31,116</b>	<b>0</b>	<b>526,859</b>

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

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Daniells Phillips Vaughan & Bock	0	0	0	7,000	0	7,000
HGCPM, Inc.	7,957	6,915	15,903	8,862	0	39,637
Klein, DeNatale, Goldner	0	2,196	3,936	2,511	0	8,644
Woodard & Curran Inc	40,606	28,158	39,744	45,125	0	153,633
<b>TOTAL</b>	<b><u>48,562</u></b>	<b><u>37,270</u></b>	<b><u>59,584</u></b>	<b><u>63,498</u></b>	<b><u>0</u></b>	<b><u>208,914</u></b>

**CUYAMA BASIN GSA**  
**Statement of Operations with Budget Variance**  
 July 2019 through January 2020

	Jul '19 - Jan 20	Budget	\$ Over Budget	% of Budget
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
<b>Direct Public Funds</b>				
<b>Grants</b>	340,053	476,600	-136,547	71%
<b>Groundwater Extraction Fee</b>	571,843	0	571,843	100%
<b>Total Direct Public Funds</b>	911,896	476,600	435,296	191%
<b>Total Income</b>	911,896	476,600	435,296	191%
<b>Cost of Goods Sold</b>				
<b>Program Expenses</b>				
<b>Category/Component 1</b>				
<b>Technical Assistance</b>	16,328	128,570	-112,242	13%
<b>Total Category/Component 1</b>	16,328	128,570	-112,242	13%
<b>Category/Component 2</b>				
<b>Grant Administration</b>	0	14,990	-14,990	0%
<b>Total Category/Component 2</b>	0	14,990	-14,990	0%
<b>Technical Consulting</b>				
<b>GSP Development</b>	198,211	30,030	168,181	660%
<b>GSP Implementation</b>	58,087	18,847	39,240	308%
<b>Stakeholder Engagement</b>	40,614	69,265	-28,651	59%
<b>Outreach</b>	13,254	12,902	352	103%
<b>Total Technical Consulting</b>	310,167	131,044	179,123	237%
<b>Total Program Expenses</b>	326,495	274,604	51,891	119%
<b>Total COGS</b>	326,495	274,604	51,891	119%
<b>Gross Profit</b>	585,401	201,996	383,405	290%
<b>Expense</b>				
<b>General and Administrative</b>				
<b>GSA Executive Director</b>				
<b>GSA BOD Meetings</b>	25,025	66,014	-40,989	38%
<b>Consult Mgmt and GSP Devel</b>	27,075	16,901	10,174	160%
<b>Financial Information Coor</b>	16,438	19,240	-2,803	85%
<b>CBGSA Outreach</b>	1,750	11,588	-9,838	15%
<b>GW Extraction Fee</b>	5,725	60,000	-54,275	10%
<b>Travel and Direct Costs</b>	1,868	848	1,020	220%
<b>Total GSA Executive Director</b>	77,881	174,591	-96,710	45%
<b>Other Administrative</b>				
<b>Auditing/Accounting Fees</b>	7,000	16,000	-9,000	44%
<b>Grant Proposals</b>	40,007	40,000	7	100%
<b>Bank Service Fees</b>	475	0	475	100%
<b>Legal</b>	26,531	35,000	-8,469	76%
<b>Other Admin Expense</b>	100	200	-100	50%
<b>Contingency</b>	0	20,000	-20,000	0%
<b>Total Other Administrative</b>	74,113	111,200	-37,087	67%
<b>Total General and Administrative</b>	151,993	285,791	-133,798	53%
<b>Total Expense</b>	151,993	285,791	-133,798	53%
<b>Net Ordinary Income</b>	433,408	-83,795	517,203	-517%
<b>Net Income</b>	<b>433,408</b>	<b>-83,795</b>	<b>517,203</b>	<b>-517%</b>

**CUYAMA BASIN GSA**  
**2019/2020 Operating Budget**  
 July 2019 through June 2020

	Jul '19 - Jun 20
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Direct Public Funds</b>	
Grants	520,932
<b>Total Direct Public Funds</b>	520,932
<b>Total Income</b>	520,932
<b>Cost of Goods Sold</b>	
<b>Program Expenses</b>	
<b>Category/Component 1</b>	
Technical Assistance	180,000
<b>Total Category/Component 1</b>	180,000
<b>Category/Component 2</b>	
Grant Administration	14,990
<b>Total Category/Component 2</b>	14,990
<b>Technical Consulting</b>	
GSP Development	30,030
GSP Implementation	197,724
Stakeholder Engagement	123,822
Outreach	25,802
Management Area Costs	49,608
<b>Total Technical Consulting</b>	426,986
<b>Total Program Expenses</b>	621,976
<b>Total COGS</b>	621,976
<b>Gross Profit</b>	-101,044
<b>Expense</b>	
<b>General and Administrative</b>	
<b>GSA Executive Director</b>	
GSA BOD Meetings	79,314
Consult Mgmt and GSP Devel	45,801
Financial Information Coor	32,790
CBGSA Outreach	18,738
GW Extraction Fee	60,000
Management Area Admin	15,000
Travel and Direct Costs	1,118
<b>Total GSA Executive Director</b>	252,761
<b>Other Administrative</b>	
Auditing/Accounting Fees	16,000
Grant Proposals	40,000
General Liability Insurance	11,000
Legal	60,000
Other Admin Expense	200
Contingency	20,000
<b>Total Other Administrative</b>	147,200
<b>Total General and Administrative</b>	399,961
<b>Total Expense</b>	399,961
<b>Net Ordinary Income</b>	-501,005
<b>Net Income</b>	-501,005



TO: Board of Directors  
Agenda Item No. 10g

FROM: Taylor Blakslee, Hallmark Group

DATE: March 4, 2020

SUBJECT: Payment of Bills

**Issue**

Consider approving the payment of bills for November 2019, December 2019, and January 2020 and renewal of a California Association of Mutual Water Companies membership.

**Recommended Motion**

Approve payment of the bills through the months of November 2019, December 2019, and January 2020 in the amount of \$201,914.15 and renew membership in the California Association of Mutual Water Companies.

**Discussion**

Consultant invoices for the months of November 2019, December 2019, and January 2020 are provided as Attachment 1. Also included is an invoice from the California Association of Mutual Water Companies in the amount of \$9,831.00 for continued insurance coverage starting April 1, 2020.



1901 Royal Oaks Drive  
Suite 200  
Sacramento, CA 95815

INVOICE

916 923.1500  
hgcpm.com

**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.:** 2019-CBGSA-11  
**Task Orders:** CB-HG-003/CB-HG-004  
**Agreement No.:** 201709-CB-001  
**Date:** December 10, 2019

*For professional services rendered for the month of November 2019*

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-003	1	GSA Board of Directors and Advisory Committee Meetings	Executive Director	10.50	\$ 250.00	\$ 2,625.00
			Project Coordinator/Admin	44.75	\$ 100.00	\$ 4,475.00
<b>Total Sub Task 1 Labor</b>						<b>\$ 7,100.00</b>
CB-HG-003	2	Consultant Management and GSP Development	Executive Director	6.00	\$ 250.00	\$ 1,500.00
			Project Coordinator/Admin	27.50	\$ 100.00	\$ 2,750.00
<b>Total Sub Task 2 Labor</b>						<b>\$ 4,250.00</b>
CB-HG-003	3	Financial Information Coordination	Executive Director	0.00	\$ 250.00	\$ -
			Project Controls	12.00	\$ 200.00	\$ 2,400.00
			Project Coordinator/Admin	8.50	\$ 100.00	\$ 850.00
<b>Total Sub Task 3 Labor</b>						<b>\$ 3,250.00</b>
CB-HG-003	4	CBGSA Outreach	Executive Director	1.00	\$ 250.00	\$ 250.00
			Project Coordinator/Admin	2.00	\$ 100.00	\$ 200.00
<b>Total Sub Task 4 Labor</b>						<b>\$ 450.00</b>
<b>Total Task CB-HG-003 Labor</b>						<b>\$ 15,050.00</b>
CB-HG-004		Groundwater Extraction Fee Assessment	Executive Director	0.00	\$ 250.00	\$ -
			Project Coordinator/Admin	4.25	\$ 100.00	\$ 425.00
<b>Total Task CB-HG-004 Labor</b>						<b>\$ 425.00</b>
<b>Total Labor</b>						<b>\$ 15,475.00</b>
		Travel	Nov 6, 2019 BOD and SAC Meetings			\$ 67.58
		Conference Calls				\$ 208.81
		Printing Costs				\$ 134.60
<b>SubTotal Travel and Other Direct Costs</b>						<b>\$ 410.99</b>
		ODC Mark Up		5%		\$ 17.17
<b>Total Travel and Other Direct Costs</b>						<b>\$ 428.16</b>
<b>TOTAL AMOUNT DUE FOR THIS INVOICE</b>						<b>\$ 15,903.16</b>

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-003	\$ 212,810.00	\$ -	\$ 212,810.00	\$ 152,400.00	\$ 15,050.00	\$ 45,360.00
CB-HG-004	\$ 22,500.00	\$ -	\$ 22,500.00	\$ 3,750.00	\$ 425.00	\$ 18,325.00
Travel and ODC	\$ -	\$ -	\$ -	\$ 4,896.38	\$ 428.16	\$ (5,324.54)
<b>Total</b>	<b>\$ 235,310.00</b>	<b>\$ -</b>	<b>\$ 235,310.00</b>	<b>\$ 161,046.38</b>	<b>\$ 15,903.16</b>	<b>\$ 58,360.46</b>



# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

## PROGRESS REPORT FOR TASK ORDER CB-HG-003 & CB-HG-004

<b>Client Name:</b>	Cuyama Basin Groundwater Sustainability Agency	<b>Agreement Number:</b>	201709-CB-001
<b>Company Name:</b>	HGCPM, Inc. DBA The Hallmark Group	<b>Address:</b>	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
<b>Task Order Number:</b>	CB-HG-003 & CB-HG-004	<b>Report Period:</b>	November 1-30, 2019
<b>Progress Report Number:</b>	11	<b>Project Manager:</b>	Jim Beck
<b>Invoice Number:</b>	2019-CBGSA-11	<b>Invoice Date:</b>	December 10, 2019

### SUMMARY OF WORK PERFORMED

#### Task Order 3

##### **Task 1: Board and Standing Advisory Committee Meeting Facilitation**

- Drafted, reviewed, and reviewed Board and SAC agendas.
- Prepared for and attended Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board of Directors (Board) and Standing Advisory Committee (SAC) meetings on November 6, 2019.
- Prepared and distributed Board packet for the December 4, 2019 CBGSA Board meeting.
- Coordinated resolution to adopt the CBGSA Groundwater Sustainability Plan (GSP) with legal counsel.

##### **Task 2: GSP Consultant Management and GSP Development**

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) on a weekly basis to discuss GSP section progress and outreach.
- Reviewed, processed, and consolidated Groundwater Sustainability Plan (GSP) public hearing comments.
- Reviewed economic report.

##### **Task 3: Financial Management**

- Facilitated audit documentation with auditor and related correspondence.
- Reviewed draft Fiscal Year 2019-20 budget allocations to general ledger accounts/months.
- Reconciled Fiscal Year 2019-20 budget to financials.
- Processed accounts payable invoices.
- Developed and distributed Hallmark Group's Task Order No. 5 draft and Woodard & Curran's Task Order No. 7 and reviewed task orders with the Budget Ad hoc on November 26, 2019.
- Billing and administration.

##### **Task 4: Stakeholder Outreach Facilitation**

- Distributed public hearing notices to Board, Standing Advisory Committee (SAC), and stakeholders.
- Correspondence with various CBGSA stakeholders (P. Bright, etc.).

#### **Task Order 4**

##### **Task 1: Development of Groundwater Extraction Fee**

- Updated and finalized Groundwater Extraction report (including extraction statement sheets).
- Coordinated distribution of Groundwater Extraction reports to landowners.

#### **DELIVERABLES AND COMPLETED TASKS**

- Weekly CBGSA program management team meetings.
- Coordinated distribution of Groundwater Extraction Statements to 630 parcel owners.
- Drafted Hallmark Group Task Order No. 5.
- Attended CBGSA Board meeting, SAC meeting, and public hearings on November 6, 2019.

#### **PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD**

- Prepare for Dec 4, 2019 joint Board and SAC meeting.

#### **SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS**

- N/A

# MONTHLY EXPENSE REPORT - Project and Person Summary

Date Range: 11/1/2019 - 11/30/2019

<i>Client</i>	<i>Project</i>	<i>Person</i>	<i>Expense Type</i>	<i>Date</i>	<i>Description</i>	<i>Mileage</i>	<i>Amount</i>
<b>Cuyama Basin Groundwater Sustainability Agency</b>							
	<b>1708-CBGSA ED</b>		<b>CBGSA Executive Director Services</b>				
		<b>Melissa Ballard</b>					<b>\$410.99</b>
		<i>Mileage</i>				124.00	\$67.58
				11/6/2019	Travel to Cuyama for the 11/6/19 meetings	124.00	\$67.58
			<i>Supplies</i>				\$134.60
				11/30/2019	Printing cost for Board packets, etc.		\$134.60
			<i>Telephone</i>				\$208.81
				11/30/2019	GAN conference line charges		\$208.81
					<b>CBGSA Executive Director Services Subtotal</b>		<b>\$410.99</b>
					<b>Cuyama Basin Groundwater Sustainability Agency Subtotal</b>		<b>\$410.99</b>
						<b>Grand Total</b>	<b>\$410.99</b>

## CUYAMA PRINTING COSTS

### SAC - 11/6/19

Document	B&W, or Color	Pages	Rate	Cost
Agenda (SAC)	B&W	30	\$ 0.10	\$ 3.00
Agenda (Public)	B&W	40	\$ 0.10	\$ 4.00
Sign-in Sheet	B&W	1	\$ 0.10	\$ 0.10
SAC Packet	B&W	41	\$ 0.10	\$ 4.10
Total Cost				\$ 11.20

### Board - 11/6/19

Document	B&W, or Color	Pages	Rate	Cost
Agenda (Board)	B&W	50	\$ 0.10	\$ 5.00
Agenda (Public)	B&W	40	\$ 0.10	\$ 4.00
Sign-in Sheet	B&W	1	\$ 0.10	\$ 0.10
Board Packets	B&W	299	\$ 0.10	\$ 29.90
Total Cost				\$ 39.00

### CBGSA GSP Public Hearing - 11/6/19

Document	B&W, or Color	Pages	Rate	Cost
GSP Public Hearing Sign-in Sheet	B&W	2	\$ 0.10	\$ 0.20
Total Cost				\$ 0.20

### CBGSA GSP Public Hearing - 11/6/19

Document	B&W, or Color	Pages	Rate	Cost
Rate Public Hearing Sign-in Sheet	B&W	40	\$ 0.10	\$ 4.00
Groundwater Extraction Fee Report	B&W	800	\$ 0.10	\$ 80.00
Resolution No. 2019-02	B&W	2	\$ 0.10	\$ 0.20
Total Cost				\$ 84.20

Total Cost	\$ 134.60
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Invoice Date: 12/1/2019

Total: \$666.16

Statement# 42127 Customer# 3122729

HGCPM, Inc. - Formerly Advance Education  
1901 Royal Oaks Dr  
STE 200  
Sacramento, CA 95815 -4235

Remit to:  
Great America Networks Conferencing  
1441 Branding Ave  
Suite 200  
Downers Grove, IL 60515 0000

CALL US  
1-877-438-4261

## Summary

Balance Information	
Previous Balance	1,293.30
Payments Received - Thank you!	(1,309.77)
Balance Forward	(16.47)
New Charges	
New Usage Charges	546.10
Recurring Charges	0.00
Taxes and Surcharges	136.53
Total New Charges	682.63
Total Amount Due	666.16

## Payments

Description	Date	Amount
Payment Received, Thank you!	11/08/19	(570.20)
Payment Received, Thank you!	11/15/19	(739.57)
Subtotal		(\$1,309.77)

## Taxes and Surcharges

Federal Universal Service Fund	136.53
Subtotal	\$136.53

## Management Reports

### Usage by Category

Description	Calls	Minutes	Charge
Usage - Conference Calling	215	10,922.00	546.10
	215.00	10,922.00	546.10

### Long Distance By Line

TN	Calls	Mins	Charge
	215	10,922.00	546.10
	215	10,922.00	546.10

## Toll-free Usage

Cuyama BDSAC Conference ID: 5017930

#	Date	Time	Other	Location	Mins	Amt
1	11/06/19	03:57P	6617662369	Host	107.00	5.35
2	11/06/19	03:57P	8188828503	Host	97.00	4.85
3	11/06/19	03:58P	6172725538	Participant	249.00	12.45
4	11/06/19	04:01P	9256274112	Host	94.00	4.70
5	11/06/19	05:59P	6507590535	Participant	82.00	4.10
6	11/06/19	05:59P	8056814200	Participant	60.00	3.00
7	11/06/19	06:01P	9256274112	Host	257.00	12.85
8	11/06/19	06:03P	6613321043	Host	262.00	13.10
9	11/06/19	06:12P	8057815275	Host	69.00	3.45
10	11/06/19	08:00P	6507590535	Participant	137.00	6.85
11	11/06/19	08:00P	8057815275	Host	138.00	6.90
Subtotal			1,552.00			77.60

Cuyama BDSAC Conference ID: 5039147

#	Date	Time	Other	Location	Mins	Amt
1	11/26/19	04:58P	8056814200	Host	27.00	1.35
2	11/26/19	04:59P	5596361166	Host	26.00	1.30
3	11/26/19	05:00P	6614773385	Host	25.00	1.25
4	11/26/19	05:03P	9169998777	Host	22.00	1.10
5	11/26/19	05:06P	8056160470	Host	19.00	.95
6	11/26/19	05:23P	6615498123	Host	2.00	.10
Subtotal			121.00			6.05

Cuyama GSA Conference ID: 0

#	Date	Time	Other	Location	Mins	Amt
1	11/08/19	12:00P	9258581340	Host	1.00	.05
Subtotal			1.00			.05

Cuyama GSA Conference ID: 5012936

#	Date	Time	Other	Location	Mins	Amt
1	11/01/19	12:00P	4155242290	Host	64.00	3.20
2	11/01/19	12:00P	6613337091	Host	64.00	3.20
3	11/01/19	12:00P	6614773385	Host	64.00	3.20
4	11/01/19	12:03P	5304058800	Host	7.00	.35
5	11/01/19	12:10P	5304058800	Host	55.00	2.75
Subtotal			254.00			12.70

## Cuyama GSA Conference ID: 5016501

#	Date	Time	Other	Location	Mins	Amt
1	11/05/19	04:01P	6614773385	Host	8.00	.40
Subtotal			8.00			.40

## Cuyama GSA Conference ID: 5016538

#	Date	Time	Other	Location	Mins	Amt
1	11/05/19	04:32P	6614773385	Host	69.00	3.45
2	11/05/19	04:33P	9169998777	Host	67.00	3.35
Subtotal			136.00			6.80

## Cuyama GSA Conference ID: 5020454

#	Date	Time	Other	Location	Mins	Amt
1	11/08/19	11:58A	6613340233	Host	52.00	2.60
2	11/08/19	11:59A	4157938420	Host	50.00	2.50
3	11/08/19	11:59A	6613337091	Host	50.00	2.50
4	11/08/19	12:00P	6614773385	Host	10.00	.50
5	11/08/19	12:00P	9169998777	Host	50.00	2.50
6	11/08/19	12:02P	9258581340	Host	48.00	2.40
7	11/08/19	12:09P	6614773385	Host	10.00	.50
8	11/08/19	12:19P	6614773385	Host	10.00	.50
9	11/08/19	12:29P	6614773385	Host	21.00	1.05
Subtotal			301.00			15.05

## Cuyama GSA Conference ID: 5027763

#	Date	Time	Other	Location	Mins	Amt
1	11/15/19	11:55A	6613196477	Host	37.00	1.85
2	11/15/19	11:57A	6613337091	Host	35.00	1.75
3	11/15/19	12:00P	6614773385	Host	32.00	1.60
4	11/15/19	12:00P	9169998777	Host	32.00	1.60
5	11/15/19	12:04P	4155242290	Host	28.00	1.40
Subtotal			164.00			8.20

## Cuyama GSA Conference ID: 5035584

#	Date	Time	Other	Location	Mins	Amt
1	11/22/19	11:57A	6614773385	Host	111.00	5.55
2	11/22/19	11:59A	4157938420	Host	90.00	4.50
3	11/22/19	11:59A	6613337091	Host	93.00	4.65
4	11/22/19	11:59A	7607993960	Host	84.00	4.20
5	11/22/19	12:00P	6613951000	Host	108.00	5.40
6	11/22/19	12:00P	9169998777	Host	108.00	5.40
7	11/22/19	12:05P	4159990316	Host	15.00	.75
8	11/22/19	12:20P	4159990316	Host	63.00	3.15
Subtotal			672.00			33.60

## Cuyama GSA Conference ID: 5036064

#	Date	Time	Other	Location	Mins	Amt
1	11/22/19	03:59P	6613337091	Host	33.00	1.65
2	11/22/19	03:59P	6614773385	Host	32.00	1.60
3	11/22/19	04:00P	6613951000	Host	32.00	1.60
4	11/22/19	04:01P	6613302610	Host	32.00	1.60
Subtotal			129.00			6.45

## Cuyama GSA Conference ID: 5039153

#	Date	Time	Other	Location	Mins	Amt
1	11/26/19	05:00P	9169998777	Host	3.00	.15
Subtotal			3.00			.15



## A Cuyama Charges:

1-Nov	\$12.70
5-Nov	\$0.40
5-Nov	\$6.80
6-Nov	\$77.60
8-Nov	\$0.05
8-Nov	\$15.05
15-Nov	\$8.20
22-Nov	\$33.60
22-Nov	\$6.45
26-Nov	\$6.05
26-Nov	\$0.15

---

B	Subtotal	\$167.05
C	Total Conf Line Charge	\$546.10
D	Total Taxes and Surcharges	\$136.53
E	Tax and Surcharges Rate (D/C)	25.0%
F	Tax and Surcharges Incurred by Cuyama (B*E)	\$41.76
G	Total Cuyama Charge (B+F)	<b>\$208.81</b>



1901 Royal Oaks Drive  
Suite 200  
Sacramento, CA 95815

# INVOICE

916 923.1500  
hgcpm.com

**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.:** 2019-CBGSA-12  
**Task Orders:** CB-HG-003/CB-HG-004  
**Agreement No.:** 201709-CB-001  
**Date:** January 8, 2020

*For professional services rendered for the month of December 2019*

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount
CB-HG-003	1	GSA Board of Directors and Advisory Committee Meetings	Executive Director	0.00	\$ 250.00	\$ -
			Project Coordinator/Admin	17.25	\$ 100.00	\$ 1,725.00
<b>Total Sub Task 1 Labor</b>						<b>\$ 1,725.00</b>
CB-HG-003	2	Consultant Management and GSP Development	Executive Director	9.00	\$ 250.00	\$ 2,250.00
			Project Coordinator/Admin	8.00	\$ 100.00	\$ 800.00
<b>Total Sub Task 2 Labor</b>						<b>\$ 3,050.00</b>
CB-HG-003	3	Financial Information Coordination	Executive Director	0.00	\$ 250.00	\$ -
			Project Controls	4.00	\$ 200.00	\$ 800.00
			Project Coordinator/Admin	1.75	\$ 100.00	\$ 175.00
<b>Total Sub Task 3 Labor</b>						<b>\$ 975.00</b>
CB-HG-003	4	CBGSA Outreach	Executive Director	0.00	\$ 250.00	\$ -
			Project Coordinator/Admin	0.50	\$ 100.00	\$ 50.00
<b>Total Sub Task 4 Labor</b>						<b>\$ 50.00</b>
<b>Total Task CB-HG-003 Labor</b>						<b>\$ 5,800.00</b>
CB-HG-004		Groundwater Extraction Fee Assessment	Executive Director	0.00	\$ 250.00	\$ -
			Project Coordinator/Admin	9.00	\$ 100.00	\$ 900.00
<b>Total Task CB-HG-004 Labor</b>						<b>\$ 900.00</b>
<b>Total Labor</b>						<b>\$ 6,700.00</b>
		Travel	12/04/19 BOD Meeting			\$ 67.58
		Conference Calls				\$ 118.41
		Printing Costs				\$ 22.40
<b>SubTotal Travel and Other Direct Costs</b>						<b>\$ 208.39</b>
		ODC Mark Up		5%		\$ 7.04
<b>Total Travel and Other Direct Costs</b>						<b>\$ 215.43</b>
<b>TOTAL AMOUNT DUE FOR THIS INVOICE</b>						<b>\$ 6,915.43</b>

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-003	\$ 212,810.00	\$ -	\$ 212,810.00	\$ 167,450.00	\$ 5,800.00	\$ 39,560.00
CB-HG-004	\$ 22,500.00	\$ -	\$ 22,500.00	\$ 4,175.00	\$ 900.00	\$ 17,425.00
Travel and ODC	\$ -	\$ -	\$ -	\$ 5,324.54	\$ 215.43	\$ (5,539.97)
<b>Total</b>	<b>\$ 235,310.00</b>	<b>\$ -</b>	<b>\$ 235,310.00</b>	<b>\$ 176,949.54</b>	<b>\$ 6,915.43</b>	<b>\$ 51,445.03</b>

# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

## PROGRESS REPORT FOR TASK ORDER CB-HG-003 & CB-HG-004

<b>Client Name:</b>	Cuyama Basin Groundwater Sustainability Agency	<b>Agreement Number:</b>	201709-CB-001
<b>Company Name:</b>	HGCPM, Inc. DBA The Hallmark Group	<b>Address:</b>	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
<b>Task Order Number:</b>	CB-HG-003 & CB-HG-004	<b>Report Period:</b>	December 1-31, 2019
<b>Progress Report Number:</b>	12	<b>Project Manager:</b>	Jim Beck
<b>Invoice Number:</b>	2019-CBGSA-12	<b>Invoice Date:</b>	January 8, 2020

## SUMMARY OF WORK PERFORMED

### Task Order 3

#### **Task 1: Board and Standing Advisory Committee Meeting Facilitation**

- Prepared for and attended Cuyama Basin Groundwater Sustainability Agency (CBGSA) Joint Board of Directors (Board) and Standing Advisory Committee (SAC) meeting on December 4, 2019.
- Drafted CBGSA Joint Board and SAC meeting minutes.
- Developed annual report ad hoc recommendation summary.
- Coordinated annual report information with Woodard & Curran (W&C).

#### **Task 2: GSP Consultant Management and GSP Development**

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) on a weekly basis to discuss GSP section progress and outreach.
- Reviewed and discussed Technical Support Services (TSS) ad hoc issues with Board Chair.
- Discussed the California Department of Water Resources (DWR) TSS location concerns with D. Gibbs.
- Discussed Groundwater Sustainability Plan (GSP) upload with B. Van Lienden and DWR's A. Regmi.
- Discussed remote sensing timing and approach with W&C.

#### **Task 3: Financial Management**

- Reviewed DWR grant draw documents and discussed with W&C.
- Processed accounts payable invoices.
- Billing and administration.

#### **Task 4: Stakeholder Outreach Facilitation**

- Updated CBGSA public stakeholder contact list.
- Correspondence with various CBGSA stakeholders (P. Bright, D. Gibbs, etc.).

**Task Order 4****Task 1: Development of Groundwater Extraction Fee**

- Correspondence with landowners via email and phone regarding Groundwater Extraction fee inquiries.

**DELIVERABLES AND COMPLETED TASKS**

- Attended CBGSA program management team meetings.
- Attended CBGSA Joint Board and SAC meeting on December 4, 2019.

**PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD**

- Prepare for and attend February 27, 2020 CBGSA SAC meeting and March 4, 2020 Board meeting.
- Attend bi-weekly CBGSA program management team meetings.

**SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS**

- N/A

# MONTHLY EXPENSE REPORT - Project and Person Summary

Date Range: 12/1/2019 - 12/31/2019

<i>Client</i>	<i>Project</i>	<i>Person</i>	<i>Expense Type</i>	<i>Date</i>	<i>Description</i>	<i>Mileage</i>	<i>Amount</i>
<b>Cuyama Basin Groundwater Sustainability Agency</b>							
	<b>1708-CBGSA ED</b>		<b>CBGSA Executive Director Services</b>				
		<b>Melissa Ballard</b>					<b>\$208.39</b>
		<i>Mileage</i>				124.00	\$67.58
				12/4/2019	Travel to Cuyama for the 12/4/19 Board meeting	124.00	\$67.58
			<i>Supplies</i>				\$22.40
				12/4/2019	Printing cost for Board packets, etc.		\$22.40
			<i>Telephone</i>				\$118.41
				12/31/2019	GAN conference line charges		\$118.41
					<b>CBGSA Executive Director Services Subtotal</b>		<b>\$208.39</b>
					<b>Cuyama Basin Groundwater Sustainability Agency Subtotal</b>		<b>\$208.39</b>
					<b>Grand Total</b>		<b>\$208.39</b>

## CUYAMA PRINTING COSTS

### Board - 12/4/19

Document	B&W, or Color	Pages	Rate	Cost
Agenda (Board)	B&W	50	\$ 0.10	\$ 5.00
Agenda (Public)	B&W	40	\$ 0.10	\$ 4.00
Sign-in Sheet	B&W	1	\$ 0.10	\$ 0.10
Board Packets	B&W	133	\$ 0.10	\$ 13.30
Total Cost				\$ 22.40

Total Cost	\$ 22.40
------------	----------





Invoice Date: 1/1/2020

Total: \$713.43

Statement# 42548 Customer# 3122729

HGCPM, Inc. - Formerly Advance Education  
1901 Royal Oaks Dr  
STE 200  
Sacramento, CA 95815 -4235

Remit to:  
Great America Networks Conferencing  
1441 Branding Ave  
Suite 200  
Downers Grove, IL 60515 0000

CALL US  
1-877-438-4261

## Summary

Balance Information	
Previous Balance	666.16
Payments Received - Thank you!	(682.63)
Balance Forward	(16.47)
New Charges	
New Usage Charges	602.23
Recurring Charges	0.00
Taxes and Surcharges	127.67
Total New Charges	729.90
Total Amount Due	713.43

## Payments

Description	Date	Amount
Payment Received, Thank you!	12/23/19	(682.63)
Subtotal		(\$682.63)

## Taxes and Surcharges

Federal Universal Service Fund	127.67
Subtotal	\$127.67

## Management Reports

Usage by Category			
Description	Calls	Minutes	Charge
Usage - Conference Calling	175	11,840.00	602.23
	175.00	11,840.00	602.23

Long Distance By Line			
TN	Calls	Mins	Charge
	175	11,840.00	602.23
	175	11,840.00	602.23

## Toll-free Usage

Cuyama BDSAC Conference ID: 5044663

#	Date	Time	Other	Location	Mins	Amt
1	12/04/19	04:40P	8057814109	Host	191.00	9.55
2	12/04/19	04:56P	6617662369	Host	176.00	8.80
3	12/04/19	04:56P	8056160470	Host	64.00	3.20
4	12/04/19	04:57P	9256274112	Host	162.00	8.10
5	12/04/19	04:59P	7607993960	Host	96.00	4.80
6	12/04/19	05:01P	8188828503	Host	169.00	8.45
7	12/04/19	05:03P	6613316986	Host	57.00	2.85
8	12/04/19	05:20P	8184814388	Participant	97.00	4.85
9	12/04/19	06:00P	8056160470	Host	99.00	4.95
10	12/04/19	06:03P	6613316986	Host	43.00	2.15
11	12/04/19	06:46P	6613316986	Host	65.00	3.25
12	12/04/19	06:57P	8184814388	Participant	53.00	2.65
Subtotal			1,272.00			63.60

Cuyama BDSAC Conference ID: 5061140

#	Date	Time	Other	Location	Mins	Amt
1	12/19/19	10:04A	6613423934	Participant	2.00	.10
Subtotal			2.00			.10

Cuyama GSA Conference ID: 5042391

#	Date	Time	Other	Location	Mins	Amt
1	12/03/19	11:58A	6613337091	Host	19.00	.95
2	12/03/19	12:00P	6613302610	Host	18.00	.90
3	12/03/19	12:00P	6614773385	Host	17.00	.85
Subtotal			54.00			2.70

Cuyama GSA Conference ID: 5043036

#	Date	Time	Other	Location	Mins	Amt
1	12/03/19	03:57P	9256274112	Host	43.00	2.15
2	12/03/19	03:59P	6614773385	Host	41.00	2.05
3	12/03/19	04:01P	9169998777	Host	39.00	1.95
4	12/03/19	04:24P	6613951000	Host	16.00	.80
Subtotal			139.00			6.95

Cuyama GSA Conference ID: 5043879

#	Date	Time	Other	Location	Mins	Amt
1	12/04/19	11:29A	5304058800	Host	64.00	3.20

2	12/04/19	11:29A	6614773385	Host	64.00	3.20
3	12/04/19	11:32A	8054514179	Host	60.00	3.00
4	12/04/19	11:35A	9169998780	Host	54.00	2.70
5	12/04/19	12:28P	9162338352	Host	4.00	.20
Subtotal					246.00	12.30

Cuyama GSA Conference ID: 5055240

#	Date	Time	Other	Location	Mins	Amt
1	12/13/19	12:11P	6613951000	Host	1.00	.05
Subtotal					1.00	.05

Cuyama GSA Conference ID: 5062790

#	Date	Time	Other	Location	Mins	Amt
1	12/20/19	11:59A	6613337091	Host	83.00	4.15
2	12/20/19	12:00P	6614773385	Host	82.00	4.10
3	12/20/19	12:00P	9169998777	Host	75.00	3.75
Subtotal					240.00	12.00

## A Cuyama Charges:

3-Dec	\$2.70
3-Dec	\$6.95
4-Dec	\$63.60
4-Dec	\$12.30
13-Dec	\$0.05
19-Dec	\$0.10
20-Dec	\$12.00

---

B	Subtotal	\$97.70
C	Total Conf Line Charge	\$602.23
D	Total Taxes and Surcharges	\$127.67
E	Tax and Surcharges Rate (D/C)	21.2%
F	Tax and Surcharges Incurred by Cuyama (B*E)	\$20.71
G	Total Cuyama Charge (B+F)	<b>\$118.41</b>



1901 Royal Oaks Drive  
Suite 200  
Sacramento, CA 95815

## INVOICE

916 923.1500  
hgcpm.com

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-01  
Task Orders: CB-HG-003/CB-HG-004  
Agreement No. 201709-CB-001  
Date: January 31, 2020

For professional services rendered for the month of January 2020:

Task Order	Sub Task	Task Description	Billing Classification	Hours	Rate	Amount	
CB-HG-003	1	GSA Board of Directors and Advisory Committee Meetings	Executive Director	0.00	\$ 250.00	\$ -	
			Project Coordinator/Admin	4.00	\$ 100.00	\$ 400.00	
<b>Total Sub Task 1 Labor</b>						<b>\$ 400.00</b>	
CB-HG-003	2	Consultant Management and GSP Development	Executive Director	6.00	\$ 250.00	\$ 1,500.00	
			Project Coordinator/Admin	16.25	\$ 100.00	\$ 1,625.00	
<b>Total Sub Task 2 Labor</b>						<b>\$ 3,125.00</b>	
CB-HG-003	3	Financial Information Coordination	Executive Director	0.00	\$ 250.00	\$ -	
			Project Controls	15.00	\$ 200.00	\$ 3,000.00	
			Project Coordinator/Admin	6.00	\$ 100.00	\$ 600.00	
<b>Total Sub Task 3 Labor</b>						<b>\$ 3,600.00</b>	
CB-HG-003	4	CBGSA Outreach	Executive Director	0.00	\$ 250.00	\$ -	
			Project Coordinator/Admin	1.25	\$ 100.00	\$ 125.00	
<b>Total Sub Task 4 Labor</b>						<b>\$ 125.00</b>	
<b>Total Task CB-HG-003 Labor</b>						<b>\$ 7,250.00</b>	
CB-HG-004		Groundwater Extraction Fee Assessment	Executive Director	0.00	\$ 250.00	\$ -	
			Project Coordinator/Admin	6.50	\$ 100.00	\$ 650.00	
<b>Total Task CB-HG-004 Labor</b>						<b>\$ 650.00</b>	
<b>Total Labor</b>						<b>\$ 7,900.00</b>	
						Travel	\$ -
						Conference Calls	\$ 53.87
						Printing Costs	\$ -
<b>SubTotal Travel and Other Direct Costs</b>						<b>\$ 53.87</b>	
					ODC Mark Up	5%	\$ 2.69
<b>Total Travel and Other Direct Costs</b>						<b>\$ 56.56</b>	
<b>TOTAL AMOUNT DUE FOR THIS INVOICE</b>						<b>\$ 7,956.56</b>	

Task Order	Original Totals	Amendment(s)	Total Committed	Previously Billed	Current Billing	Remaining Balance
CB-HG-003	\$ 212,810.00	\$ -	\$ 212,810.00	\$ 173,250.00	\$ 7,250.00	\$ 32,310.00
CB-HG-004	\$ 22,500.00	\$ -	\$ 22,500.00	\$ 5,075.00	\$ 650.00	\$ 16,775.00
Travel and ODC	\$ -	\$ -	\$ -	\$ 5,539.97	\$ 56.56	\$ (5,596.53)
<b>Total</b>	<b>\$ 235,310.00</b>	<b>\$ -</b>	<b>\$ 235,310.00</b>	<b>\$ 183,864.97</b>	<b>\$ 7,956.56</b>	<b>\$ 43,488.47</b>

# CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

## PROGRESS REPORT FOR TASK ORDER CB-HG-003 & CB-HG-004

<b>Client Name:</b>	Cuyama Basin Groundwater Sustainability Agency	<b>Agreement Number:</b>	201709-CB-001
<b>Company Name:</b>	HGCPM, Inc. DBA The Hallmark Group	<b>Address:</b>	500 Capitol Mall, Suite 2350 Sacramento, CA 95814
<b>Task Order Number:</b>	CB-HG-003 & CB-HG-004	<b>Report Period:</b>	January 1-31, 2020
<b>Progress Report Number:</b>	13	<b>Project Manager:</b>	Jim Beck
<b>Invoice Number:</b>	2020-CBGSA-01	<b>Invoice Date:</b>	January 31, 2020

### SUMMARY OF WORK PERFORMED

#### Task Order 3

##### **Task 1: Board and Standing Advisory Committee Meeting Facilitation**

- Facilitated teleconference meeting regarding February and March Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee (SAC) and Board of Director meetings with Board Chair on January 30, 2020.

##### **Task 2: GSP Consultant Management and GSP Development**

- Prepared for, met with, and facilitated CBGSA Program Management Team (PMT) on a bi-weekly basis to discuss GSP section progress and outreach.
- Facilitated Annual Report Ad hoc meeting on January 21, 2020.
- Discussed Groundwater Sustainability Plan (GSP) submittal with the California Department of Water Resources.
- Request administration switch with Santa Barbara County Water Agency.
- Discussed DWR Technical Support Services (TSS) location request with SAC member and B. Van Lienden.

##### **Task 3: Financial Management**

- Reviewed financial audit and correspondence with auditor.
- Reviewed Special Districts reporting requirements.
- Compiled Walter Mortensen insurance application information.
- Discussed Grant Admin with DWR's A. Regmi and Woodard & Curran (W&C).
- Compiled Board documentation for Grant Admin.
- Billing, accounting and administration.

##### **Task 4: Stakeholder Outreach Facilitation**

- Updated CBGSA public stakeholder contact list.

**Task Order 4****Task 1: Development of Groundwater Extraction Fee**

- Correspondence with landowners via email and phone regarding Groundwater Extraction fee inquiries.
- Discussed Assessor parcel numbers (APNs) with San Luis Obispo County.

**DELIVERABLES AND COMPLETED TASKS**

- Correspondence with landowners regarding Groundwater Extraction fees.

**PLANNED OBJECTIVES FOR NEXT REPORTING PERIOD**

- Prepare for and attend February 27, 2020 CBGSA SAC meeting and March 4, 2020 Board meeting.
- Attend bi-weekly CBGSA program management team meetings.

**SIGNIFICANT ISSUES OR CHALLENGES (IF ANY) AND POTENTIAL RESOLUTIONS**

- N/A





Invoice Date: 2/1/2020  
 Total: \$798.44  
 Statement# 42866 Customer# 3122729

HGCPM, Inc. - Formerly Advance Education  
 1901 Royal Oaks Dr  
 STE 200  
 Sacramento, CA 95815 -4235

Remit to:  
 Great America Networks Conferencing  
 1441 Branding Ave  
 Suite 200  
 Downers Grove, IL 60515 0000

CALL US  
 1-877-438-4261

### Summary

Balance Information	
Previous Balance	713.43
Payments Received - Thank you!	(729.90)
Balance Forward	(16.47)
New Charges	
New Usage Charges	672.37
Recurring Charges	0.00
Taxes and Surcharges	142.54
Total New Charges	814.91
Total Amount Due	798.44

### Payments

Description	Date	Amount
Payment Received, Thank you!	01/09/20	(729.90)
<b>Subtotal</b>		<b>(\$729.90)</b>

### Taxes and Surcharges

Federal Universal Service Fund	142.54
<b>Subtotal</b>	<b>\$142.54</b>

### Management Reports

Usage by Category			
Description	Calls	Minutes	Charge
Usage - Conference Calling	252	13,393.00	672.37
	252.00	13,393.00	672.37

Long Distance By Line			
TN	Calls	Mins	Charge
252		13,393.00	672.37
252		13,393.00	672.37

### Toll-free Usage

Cuyama BDSAC Conference ID: 5081561

#	Date	Time	Other	Location	Mins	Amt
1	01/16/20	09:57A	6613423934	Participant	1.00	.05
<b>Subtotal</b>						<b>1.00 .05</b>

Cuyama BDSAC Conference ID: 5081659

#	Date	Time	Other	Location	Mins	Amt
1	01/16/20	10:01A	6613423934	Participant	6.00	.30
<b>Subtotal</b>						<b>6.00 .30</b>

Cuyama BDSAC Conference ID: 5085541

#	Date	Time	Other	Location	Mins	Amt
1	01/21/20	10:47A	9162338352	Host	44.00	2.20
2	01/21/20	10:54A	6613337091	Host	36.00	1.80
3	01/21/20	10:57A	6614773385	Host	34.00	1.70
4	01/21/20	10:58A	8056542040	Host	33.00	1.65
5	01/21/20	10:59A	8313854177	Host	32.00	1.60
6	01/21/20	11:01A	6619020795	Host	30.00	1.50
7	01/21/20	11:01A	8056377711	Host	29.00	1.45
8	01/21/20	11:04A	8053193866	Host	27.00	1.35
9	01/21/20	11:04A	9169998777	Host	27.00	1.35
<b>Subtotal</b>						<b>292.00 14.60</b>

Cuyama BDSAC Conference ID: 5097758

#	Date	Time	Other	Location	Mins	Amt
1	01/30/20	01:29P	6613302610	Host	74.00	3.70
2	01/30/20	01:30P	6614773385	Host	73.00	3.65
3	01/30/20	01:31P	6613337091	Host	73.00	3.65
<b>Subtotal</b>						<b>220.00 11.00</b>

Cuyama GSA Conference ID: 5067751

#	Date	Time	Other	Location	Mins	Amt
1	01/03/20	12:00P	6614773385	Host	81.00	4.05
2	01/03/20	12:01P	9169998777	Host	80.00	4.00
<b>Subtotal</b>						<b>161.00 8.05</b>

Cuyama GSA Conference ID: 5083695

#	Date	Time	Other	Location	Mins	Amt
1	01/17/20	12:00P	6613337091	Host	2.00	.10

Subtotal 2.00 .10

Cuyama GSA Conference ID: 5083727

#	Date	Time	Other	Location	Mins	Amt	
1	01/17/20	12:05P	6614773385	Host	1.00	.05	
Subtotal						1.00	.05

Cuyama GSA Conference ID: 5085631

#	Date	Time	Other	Location	Mins	Amt	
1	01/21/20	11:01A	9169998777	Host	3.00	.15	
Subtotal						3.00	.15

Cuyama GSA Conference ID: 5099006

#	Date	Time	Other	Location	Mins	Amt	
1	01/31/20	11:58A	6614773385	Host	70.00	3.50	
2	01/31/20	11:59A	6613337091	Host	69.00	3.45	
3	01/31/20	12:04P	9169998777	Host	64.00	3.20	
Subtotal						203.00	10.15

## A Cuyama Charges:

3-Jan	\$8.05
16-Jan	\$0.05
16-Jan	\$0.30
17-Jan	\$0.10
17-Jan	\$0.05
21-Jan	\$0.15
21-Jan	\$14.60
30-Jan	\$11.00
31-Jan	\$10.15

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B	Subtotal	\$44.45
C	Total Conf Line Charge	\$672.37
D	Total Taxes and Surcharges	\$142.54
E	Tax and Surcharges Rate (D/C)	21.2%
F	Tax and Surcharges Incurred by Cuyama (B*E)	\$9.42
G	Total Cuyama Charge (B+F)	<b>\$53.87</b>

**KLEIN, DENATALE, GOLDNER  
COOPER, ROSENLIEB & KIMBALL, LLP**

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

November 27, 2019  
**Bill No. 22930-001-151724**  
JDH

Statement for Period through November 19, 2019

Re: 22930 - CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
001 GENERAL BUSINESS

<b>Date</b>		<b>Services</b>	<b>Hours</b>	<b>Amount</b>
10/25/19	JDH	CONFERENCE CALL WITH AD HOC COMMITTEE REGARDING FIRST DRAFT OF DELEGATION AGREEMENT; REVISED AGREEMENT; E-MAILED SAME TO T. BLAKSLEE.	2.00	540.00
10/29/19	JDH	TELEPHONE CONFERENCE WITH A. DOUD REGARDING REVISIONS TO DRAFT DELEGATION AGREEMENT.	0.50	135.00
10/29/19	JDH	TELEPHONE CONFERENCE WITH T. BLAKSLEE.	0.20	54.00
10/31/19	JDH	REVISED DELEGATION AGREEMENT; E-MAILED SAME TO T. BLAKSLEE.	0.80	216.00
10/31/19	JDH	TELEPHONE CONFERENCE WITH D. YUROSEK, J. BECK AND T. BLAKSLEE PREPARING FOR PUBLIC HEARINGS.	0.50	135.00
11/05/19	JDH	PREPARED DRAFT GSP SCRIPT; TELEPHONE CONFERENCE WITH T. BLAKSLEE REGARDING SAME.	1.10	297.00
11/06/19	JDH	PREPARED FOR EXTRACTION FEE HEARING; TELEPHONE CONFERENCE WITH T. BLAKSELEE REGARDING SAME. DRAFTED RESOLUTION ADOPTING EXTRACTION FEE.	2.00	540.00
11/06/19	JDH	ATTENDED NOVEMBER BOARD MEETING AND HEARINGS ON DRAFT GSP AND ADOPTING EXTRACTION FEE.	6.70	1,809.00
11/15/19	JDH	WEEKLY PMT CALL.	0.50	135.00
			<b>Rate</b>	<b>Hours</b>
JDH	HUGHES, JOSEPH		270.00	14.30
<b>Total Fees</b>				<b>\$3,861.00</b>

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**

**KLEIN, DENATALE, GOLDNER,  
COOPER, ROSENLIEB & KIMBALL, LLP**

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**Bill No. 22930-001-151724**  
Client Ref: 22930 - 001

**November 27, 2019**

**Page 2**

**Costs and Expenses**

<b>Date</b>	<b>Expenses</b>	<b>Amount</b>
11/08/19	TRAVEL EXPENSES 11/6 ROUND TRIP TRAVEL TO NEW CUYAMA FOR NOVEMBER BOARD MEETING - JOSEPH D. HUGHES	75.40
<b>Total Costs and Expenses</b>		<u><b>\$75.40</b></u>
<b>Current Charges</b>		<u><b>\$3,936.40</b></u>
Prior Statement Balance		20,397.80
Payments/Adjustments Since Last Bill		-0.00
<b>Pay This Amount</b>		<u><b>\$24,334.20</b></u>

Any Payments Received After November 27, 2019 Will Appear on Your Next Statement

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**

**KLEIN, DENATALE, GOLDNER  
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CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
C/O HALLMARK GROUP  
\*\*\*\*\*EMAIL INVOICES\*\*\*\*\*

December 31, 2019  
**Bill No. 22930-001-152777**  
JDH

Statement for Period through December 19, 2019

Re: 22930 - CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
001 GENERAL BUSINESS

<b>Date</b>	<b>Services</b>	<b>Hours</b>	<b>Amount</b>
11/22/19	AND DRAFTED RESOLUTION APPROVING GROUNDWATER SUSTAINABILITY PLAN.	1.00	150.00
11/22/19	JDH WEEKLY PMT CONFERENCE CALL.	1.50	405.00
11/22/19	JDH TELEPHONE CONFERENCE WITH D. YUROSEK, J. BECK, AND T. BLAKSLEE REGARDING COMMUNICATION FROM LANDOWNER.	0.50	135.00
12/03/19	JDH WEEKLY PMT CONFERENCE CALL.	0.30	81.00
12/04/19	JDH ATTENDED DECEMBER MEETING.	5.00	1,350.00
		<b>Rate</b>	<b>Hours</b>
AND	DOMINGUEZ, ALEX	150.00	1.00
JDH	HUGHES, JOSEPH	270.00	7.30
<b>Total Fees</b>			<b>\$2,121.00</b>

**Costs and Expenses**

<b>Date</b>	<b>Expenses</b>	<b>Amount</b>
12/05/19	TRAVEL EXPENSES 12/4 ROUND TRIP TRAVEL TO NEW CUYAMA FOR DECEMBER BOARD MEETING - JOSEPH D. HUGHES	75.40
<b>Total Costs and Expenses</b>		<b>\$75.40</b>

**Current Charges** \$2,196.40

Prior Statement Balance 24,334.20

Payments/Adjustments Since Last Bill -0.00

**Pay This Amount** \$26,530.60

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**



**KLEIN, DENATALE, GOLDNER,  
COOPER, ROSENLIB & KIMBALL, LLP**

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**Bill No. 22930-001-152777**  
Client Ref: 22930 - 001

**December 31, 2019**

**Page 2**

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Any Payments Received After December 31, 2019 Will Appear on Your Next Statement

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**

**KLEIN, DENATALE, GOLDNER  
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CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
C/O HALLMARK GROUP  
\*\*\*\*\*EMAIL INVOICES\*\*\*\*\*

January 31, 2020  
**Bill No. 22930-001-153914**  
JDH

Statement for Period through January 21, 2020

Re: 22930 - CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY  
001 GENERAL BUSINESS

<b>Current Charges</b>	<b>\$0.00</b>
Prior Statement Balance	26,530.60
Payments/Adjustments Since Last Bill	-17,886.80
<b>Pay This Amount</b>	<b>\$8,643.80</b>

Any Payments Received After January 31, 2020 Will Appear on Your Next Statement

**PAYMENT DUE UPON RECEIPT**  
PLEASE REFER TO BILL NUMBER LOCATED BENEATH STATEMENT DATE WHEN SUBMITTING PAYMENT  
TO ENSURE PROPER CREDIT.  
A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY) WILL BE CHARGED ON ALL BALANCES OVER 30 DAYS.  
**FEDERAL I.D. NO. 95-2298220**



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

January 8, 2020  
Project No: 0011078.01  
Invoice No: 171677

Project 0011078.01 CUYAMA GSP

**Professional Services for the period ending November 29, 2019**

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

**Consultant**

Sub - Engineering				
11/29/2019	GSI Water Solutions DBA Groundwater Solutions, Inc.	GSI Inv#0747.002-4	928.00	
	<b>Consultant Total</b>	<b>1.1 times</b>	<b>928.00</b>	<b>1,020.80</b>
		<b>Total this Phase</b>		<b>\$1,020.80</b>

Phase 016 Finalize GSP Development

**Professional Personnel**

	Hours	Rate	Amount	
Planner 2				
Eggleton, Charles	.25	187.00	46.75	
Kidson, Jennifer	7.50	187.00	1,402.50	
Project Assistant				
Hughart, Desiree	1.75	110.00	192.50	
Project Manager 2				
Van Lienden, Brian	6.00	266.00	1,596.00	
Totals	15.50		3,237.75	
	<b>Labor Total</b>			<b>3,237.75</b>
		<b>Total this Phase</b>		<b>\$3,237.75</b>

Phase 017 Stakeholder/Board Engagement

**Professional Personnel**

		<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Engineer 3					
Ceyhan, Mahmut		2.50	212.00	530.00	
National Practice Leader					
Melton, Lyndel		1.00	320.00	320.00	
Project Manager 2					
Van Lienden, Brian		67.00	266.00	17,822.00	
Totals		70.50		18,672.00	
	<b>Labor Total</b>				<b>18,672.00</b>

**Reimbursable**

Vehicle Expenses					
11/6/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	51.62	
11/7/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	58.69	
11/7/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	95.92	
Travel & Lodging					
11/6/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	106.19	
11/6/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	10.62	
Meals					
11/7/2019	Van Lienden, Brian		Cuyama GSP SAC/Board mtg	13.65	
	<b>Reimbursable Total</b>		<b>1.1 times</b>	<b>336.69</b>	<b>370.36</b>

**Consultant**

Sub - Consultant Miscellaneous					
11/29/2019	REYNA'S TRANSLATION & INTERPRETING SERVICE		Reyna's Translation and Interpreting Services Inv #2	500.00	
	<b>Consultant Total</b>		<b>1.1 times</b>	<b>500.00</b>	<b>550.00</b>

**Total this Phase                    \$19,592.36**

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Phase                    018                    Outreach

**Professional Personnel**

		<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Graphic Artist					
Fox, Adam		1.75	118.00	206.50	
National Practice Leader					
Melton, Lyndel		6.00	320.00	1,920.00	
Project Manager 2					
Van Lienden, Brian		2.50	266.00	665.00	
Totals		10.25		2,791.50	
	<b>Labor Total</b>				<b>2,791.50</b>

**Consultant**

Sub - Consultant Miscellaneous					
11/29/2019	The Catalyst Group, Inc.		Catalyst Inv #451	2,380.76	
	<b>Consultant Total</b>		<b>1.1 times</b>	<b>2,380.76</b>	<b>2,618.84</b>

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**Total this Phase** **\$5,410.34**<sub>310</sub>

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Phase 019 Support for DWR Technical Support Services

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Planner 2				
Eggleton, Charles	4.00	187.00	748.00	
Project Manager 2				
Ayres, John	4.00	266.00	1,064.00	
Van Lienden, Brian	13.00	266.00	3,458.00	
<b>Totals</b>	<b>21.00</b>		<b>5,270.00</b>	
<b>Labor Total</b>				<b>5,270.00</b>
				<b>Total this Phase</b> <b>\$5,270.00</b>

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Phase 020 Preparation of SGM Grant Program Planning Grant Application


**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Engineer 2				
Wicks, Matthew	12.25	187.00	2,290.75	
Project Manager 2				
Van Lienden, Brian	10.50	266.00	2,793.00	
Senior Project Assistant				
Hughart, Desiree	1.00	129.00	129.00	
<b>Totals</b>	<b>23.75</b>		<b>5,212.75</b>	
<b>Labor Total</b>				<b>5,212.75</b>
				<b>Total this Phase</b> <b>\$5,212.75</b>
				<b>Total this Invoice</b> <b>\$39,744.00</b>

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
166794	8/28/2019	176,701.06
167930	10/1/2019	18,426.36
169011	10/29/2019	17,741.85
170218	11/27/2019	45,124.64
<b>Total</b>		<b>257,993.91</b>

<b>Project Summary</b>	<b>Current Fee</b>	<b>Previous Fee</b>	<b>Total</b>
	<b>39,744.00</b>	<b>2,193,010.99</b>	<b>2,232,754.99</b>

Approved by:   
\_\_\_\_\_  
Brian Van Lienden  
Project Manager  
Woodard & Curran



## Progress Report

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### Cuyama Basin Groundwater Sustainability Plan Development

**Subject:** November 2019 Progress Report

Jim Beck, Executive Director,

**Prepared for:** Cuyama Basin Groundwater Sustainability Agency (CBGSA)

**Prepared by:** Brian Van Lienden, Woodard & Curran

**Reviewed by:** Lyndel Melton, Woodard & Curran

**Date:** January 14, 2020

**Project No.:** 0011078.01

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This progress report summarizes the work performed and project status for the period of October 26, 2019 through November 29, 2019 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, and Task Order 6, issued by the CBGSA on August 7, 2019. 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 and 3 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 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
<b>Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development</b>	<ul style="list-style-type: none"> <li>Task 1 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 1 is completed; no further work is anticipated</li> </ul>
<b>Task 2: Data Management System, Data Collection and Analysis, and Plan Review</b>	<ul style="list-style-type: none"> <li>Task 2 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 2 is completed; no further work is anticipated</li> </ul>
<b>Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions</b>	<ul style="list-style-type: none"> <li>Task 3 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 3 is completed; no further work is anticipated</li> </ul>
<b>Task 4: Basin Model and Water Budget</b>	<ul style="list-style-type: none"> <li>Task 4 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 4 is completed; no further work is anticipated</li> </ul>
<b>Task 5: Establish Basin Sustainability Criteria</b>	<ul style="list-style-type: none"> <li>Task 5 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 5 is completed; no further work is anticipated</li> </ul>
<b>Task 6. Monitoring Networks</b>	<ul style="list-style-type: none"> <li>Task 6 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 6 is completed; no further work is anticipated</li> </ul>
<b>Task 7: Projects and Actions for Sustainability Goals</b>	<ul style="list-style-type: none"> <li>Task 7 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 7 is completed; no further work is anticipated</li> </ul>
<b>Task 8. GSP Implementation</b>	<ul style="list-style-type: none"> <li>Task 8 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 8 is completed; no further work is anticipated</li> </ul>

Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
<b>Task 9. GSP Development</b>	<ul style="list-style-type: none"> <li>Task 9 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 9 is completed; no further work is anticipated; additional work to complete the GSP will be performed under Task 16</li> </ul>
<b>Task 10: Education, Outreach and Communication</b>	<ul style="list-style-type: none"> <li>Task 10 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 10 is completed; no further work is anticipated; additional outreach and communication work will be performed under Tasks 17 and 18</li> </ul>
<b>Task 11: Project Management</b>	<ul style="list-style-type: none"> <li>Task 11 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 11 is completed; no further work is anticipated. Further project management activities will be covered in Tasks 15 and 16.</li> </ul>

**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
<b>Task 12: Groundwater Monitoring Well Network Expansion</b>	<ul style="list-style-type: none"> <li>Developed list of wells for sensor implementation and presented to GSA Board</li> </ul>	75%	<ul style="list-style-type: none"> <li>Once partners have been identified, work will commence to perform the field work required to install the data sensors</li> </ul>
<b>Task 13: Evapotranspiration Evaluation for Cuyama Basin Region</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 13 during this period.</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 13 is completed; no further work is anticipated</li> </ul>
<b>Task 14: Surface Water Monitoring Program</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 14 during this period.</li> </ul>	50%	<ul style="list-style-type: none"> <li>Work will continue to install the surface flow gages</li> </ul>
<b>Task 15: Category 1 Project Management</b>	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>	93%	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>

**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
<b>Task 16: Finalize GSP Development</b>	<ul style="list-style-type: none"> <li>Updated GSP document in response to Board direction</li> <li>Ongoing project coordination and grant administration activities</li> </ul>	99%	<ul style="list-style-type: none"> <li>Update GSP document in response to Board direction</li> <li>Ongoing project coordination and grant administration activities</li> </ul>
<b>Task 17: Stakeholder &amp; Board Engagement</b>	<ul style="list-style-type: none"> <li>Preparation for and participation in CBGSA SAC/Board meeting and public hearing in November</li> <li>Prepared presentation materials and documentation for Dec SAC/Board meeting</li> </ul>	50%	<ul style="list-style-type: none"> <li>Participation in CBGSA SAC/Board meeting in December</li> </ul>
<b>Task 18: Outreach Support</b>	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP review and development</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 18 is completed; no further work is anticipated. Further outreach support will be performed under the new Task Order</li> </ul>
<b>Task 19: Support for DWR Technical Support Services</b>	<ul style="list-style-type: none"> <li>Worked with Ad-hoc committee to finalize locations for TSS well installation and to begin collecting data needed for applications</li> </ul>	70%	<ul style="list-style-type: none"> <li>Participate in additional ad-hoc committee calls and prepare required documents for DWR</li> </ul>
<b>Task 20: Prepare SGM Planning Grant Application</b>	<ul style="list-style-type: none"> <li>Finalized SGM Planning Grant application and submitted to DWR</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 20 is completed; no further work is anticipated</li> </ul>
<b>Task 21: Development of a CBGSA Fee Structure</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 21 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed for development of fee structure</li> </ul>

## 2 Budget Status

Table 4 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 4: Budget Status for Task Order 1**

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

Table 5 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 5: 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%
<b>Total</b>	<b>\$ 399,469.00</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>100%</b>

Table 6 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 6: 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%
<b>Total</b>	<b>\$ 188,238.00</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>100%</b>

Table 7 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 7: 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%
<b>Total</b>	<b>\$ 764,396.00</b>	<b>\$ 764,394.14</b>	<b>\$ -</b>	<b>\$ 764,394.14</b>	<b>\$ 1.86</b>	<b>100%</b>

Table 8 shows the percent spent for each task under Task Order 5 as of November 29, 2019. 59% of the available Task Order 5 budget has been expended (\$270,430.30 out of \$459,886).

**Table 8: 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	\$ 133,227.56	\$ 1,020.80	\$ 134,248.36	\$ 61,959.64	68%
13	\$ 24,950.00	\$ 24,933.01	\$ -	\$ 24,933.01	\$ 16.99	100%
14	\$ 204,906.00	\$ 80,847.88	\$ -	\$ 80,847.88	\$ 124,058.12	39%
15	\$ 33,822.00	\$ 30,401.05	\$ -	\$ 30,401.05	\$ 3,420.95	90%
<b>Total</b>	<b>\$ 459,886.00</b>	<b>\$ 269,409.50</b>	<b>\$ 1,020.80</b>	<b>\$ 270,430.30</b>	<b>\$ 189,455.70</b>	<b>59%</b>

Table 9 shows the percent spent for each task under Task Order 6 as of November 29, 2019. 70% of the available Task Order 6 budget has been expended (\$250,365.36 out of \$357,405).



Table 9: 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	\$ 191,960.54	\$ 3,237.75	\$ 195,198.29	\$ 459.71	99%
17	\$ 57,406.00	\$ 7,836.50	\$ 19,592.36	\$ 27,428.86	\$ 29,977.14	48%
18	\$ 12,901.00	\$ 7,519.57	\$ 5,410.34	\$ 12,929.91	\$ (28.91)	100%
19	\$ 18,848.00	\$ 8,254.50	\$ 5,270.00	\$ 13,524.50	\$ 5,323.50	72%
20	\$ 40,032.00	\$ 34,794.25	\$ 5,212.75	\$ 40,007.00	\$ 25.00	100%
21	\$ 32,560.00	\$ -	\$ -	\$ -	\$ 32,560.00	0%
<b>Total</b>	<b>\$ 357,405.00</b>	<b>\$ 250,365.36</b>	<b>\$ 38,723.20</b>	<b>\$ 289,088.56</b>	<b>\$ 68,316.44</b>	<b>81%</b>

### 3 Schedule Status

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

### 4 Outstanding Issues to be Coordinated

None



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 319

TD BANK  
Electronic Transfer:  
▪211274450 ▪ 2427662596\*

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

February 7, 2020  
Project No: 0011078.01  
Invoice No: 172729

Project 0011078.01 CUYAMA GSP

**Professional Services for the period ending December 27, 2019**

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

**Consultant**

Sub - Engineering					
12/27/2019	GROUND WATER SOLUTIONS, INC.	GSI- 0727.002-5		3,930.70	
	<b>Consultant Total</b>		<b>1.1 times</b>	<b>3,930.70</b>	<b>4,323.77</b>
			<b>Total this Phase</b>		<b>\$4,323.77</b>

Phase 015 Project Management (Cat 1 – Task 4)

**Professional Personnel**

	Hours	Rate	Amount	
National Practice Leader				
Melton, Lyndel	2.00	320.00	640.00	
Totals	2.00		640.00	
<b>Labor Total</b>				<b>640.00</b>
			<b>Total this Phase</b>	<b>\$640.00</b>

Phase 017 Stakeholder/Board Engagement

**Professional Personnel**

	Hours	Rate	Amount
National Practice Leader			
Melton, Lyndel	2.00	320.00	640.00
Planner 2			
Eggleton, Charles	1.00	187.00	187.00
Project Manager 2			
Van Lienden, Brian	31.00	266.00	8,246.00

Senior Project Assistant				
Daugherty, Lisa	12.00	129.00	1,548.00	
Totals	46.00		10,621.00	
<b>Labor Total</b>				<b>10,621.00</b>

**Reimbursable**

Vehicle Expenses				
12/4/2019	Van Lienden, Brian	Cuyama GSP Board meeting	39.25	
12/5/2019	Van Lienden, Brian	Cuyama GSP Board meeting	140.76	
12/5/2019	Van Lienden, Brian	Cuyama GSP Board meeting	41.24	
Travel & Lodging				
12/4/2019	Van Lienden, Brian	Cuyama GSP Board meeting	10.55	
12/4/2019	Van Lienden, Brian	Cuyama GSP Board meeting	103.49	
Meals				
12/5/2019	Van Lienden, Brian	Cuyama GSP Board meeting	10.33	
<b>Reimbursable Total</b>		<b>1.1 times</b>	<b>345.62</b>	<b>380.18</b>
<b>Total this Phase</b>				<b>\$11,001.18</b>

Phase 019 Support for DWR Technical Support Services

**Professional Personnel**

	Hours	Rate	Amount	
Planner 2				
Eggleton, Charles	22.00	187.00	4,114.00	
Project Manager 2				
Van Lienden, Brian	4.50	266.00	1,197.00	
Totals	26.50		5,311.00	
<b>Labor Total</b>				<b>5,311.00</b>
<b>Total this Phase</b>				<b>\$5,311.00</b>

Phase 023 2020 Outreach

**Professional Personnel**

	Hours	Rate	Amount	
Graphic Artist				
Fox, Adam	2.75	118.00	324.50	
Totals	2.75		324.50	
<b>Labor Total</b>				<b>324.50</b>
<b>Total this Phase</b>				<b>\$324.50</b>

Phase 024 2020 Support to DWR Technical Support

**Professional Personnel**

	Hours	Rate	Amount	
Planner 2				
Eggleton, Charles	1.00	187.00	187.00	
Project Manager 2				
Van Lienden, Brian	9.00	266.00	2,394.00	
Totals	10.00		2,581.00	
<b>Labor Total</b>				<b>2,581.00</b>
<b>Total this Phase</b>				<b>\$2,581.00</b>

Phase 025 2020 GSP Implementation Support

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Planner 2				
Kidson, Jennifer	.50	187.00	93.50	
Software Engineer 1				
Rutaganira, Thierry	10.50	147.00	1,543.50	
Project Assistant				
Hughart, Desiree	.50	110.00	55.00	
Project Manager 2				
Ayres, John	7.00	266.00	1,862.00	
Senior Project Manager				
Long, Jeanna	1.50	282.00	423.00	
<b>Totals</b>	<b>20.00</b>		<b>3,977.00</b>	
<b>Labor Total</b>				<b>3,977.00</b>
		<b>Total this Phase</b>		<b>\$3,977.00</b>
		<b>Total this Invoice</b>		<b>\$28,158.45</b>

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
170218	11/27/2019	45,124.64
171677	1/8/2020	39,744.00
<b>Total</b>		<b>84,868.64</b>

	<b>Current Fee</b>	<b>Previous Fee</b>	<b>Total</b>
<b>Project Summary</b>	<b>28,158.45</b>	<b>2,232,754.99</b>	<b>2,260,913.44</b>

Approved by:



Brian Van Lienden  
Project Manager  
Woodard & Curran



## Progress Report

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### Cuyama Basin Groundwater Sustainability Plan Development

**Subject:** December 2019 Progress Report

Jim Beck, Executive Director,

**Prepared for:** Cuyama Basin Groundwater Sustainability Agency (CBGSA)

**Prepared by:** Brian Van Lienden, Woodard & Curran

**Reviewed by:** Lyndel Melton, Woodard & Curran

**Date:** February 12, 2020

**Project No.:** 0011078.01

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This progress report summarizes the work performed and project status for the period of November 30, 2019 through December 27, 2019 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, and Task Order 7, issued by the CBGSA on December 4, 2019. 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 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
<b>Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development</b>	<ul style="list-style-type: none"> <li>Task 1 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 1 is completed; no further work is anticipated</li> </ul>
<b>Task 2: Data Management System, Data Collection and Analysis, and Plan Review</b>	<ul style="list-style-type: none"> <li>Task 2 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 2 is completed; no further work is anticipated</li> </ul>
<b>Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions</b>	<ul style="list-style-type: none"> <li>Task 3 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 3 is completed; no further work is anticipated</li> </ul>
<b>Task 4: Basin Model and Water Budget</b>	<ul style="list-style-type: none"> <li>Task 4 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 4 is completed; no further work is anticipated</li> </ul>
<b>Task 5: Establish Basin Sustainability Criteria</b>	<ul style="list-style-type: none"> <li>Task 5 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 5 is completed; no further work is anticipated</li> </ul>
<b>Task 6. Monitoring Networks</b>	<ul style="list-style-type: none"> <li>Task 6 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 6 is completed; no further work is anticipated</li> </ul>
<b>Task 7: Projects and Actions for Sustainability Goals</b>	<ul style="list-style-type: none"> <li>Task 7 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 7 is completed; no further work is anticipated</li> </ul>
<b>Task 8. GSP Implementation</b>	<ul style="list-style-type: none"> <li>Task 8 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 8 is completed; no further work is anticipated</li> </ul>



Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
<b>Task 9. GSP Development</b>	<ul style="list-style-type: none"> <li>Task 9 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 9 is completed; no further work is anticipated; additional work to complete the GSP will be performed under Task 16</li> </ul>
<b>Task 10: Education, Outreach and Communication</b>	<ul style="list-style-type: none"> <li>Task 10 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 10 is completed; no further work is anticipated; additional outreach and communication work will be performed under Tasks 17 and 18</li> </ul>
<b>Task 11: Project Management</b>	<ul style="list-style-type: none"> <li>Task 11 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 11 is completed; no further work is anticipated. Further project management activities will be covered in Tasks 15 and 16.</li> </ul>

**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
<b>Task 12: Groundwater Monitoring Well Network Expansion</b>	<ul style="list-style-type: none"> <li>Worked on developing CEQA documentation for sensor installation</li> </ul>	77%	<ul style="list-style-type: none"> <li>Once partners have been identified, work will commence to perform the field work required to install the data sensors</li> </ul>
<b>Task 13: Evapotranspiration Evaluation for Cuyama Basin Region</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 13 during this period.</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 13 is completed; no further work is anticipated</li> </ul>
<b>Task 14: Surface Water Monitoring Program</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 14 during this period.</li> </ul>	50%	<ul style="list-style-type: none"> <li>Will develop CEQA documentation for stream gage installation</li> </ul>
<b>Task 15: Category 1 Project Management</b>	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>	94%	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>

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
<b>Task 16: Finalize GSP Development</b>	<ul style="list-style-type: none"> <li>Updated GSP document in response to Board direction</li> <li>Ongoing project coordination and grant administration activities</li> </ul>	99%	<ul style="list-style-type: none"> <li>Submit final GSP to DWR</li> <li>Ongoing project coordination and grant administration activities</li> </ul>
<b>Task 17: Stakeholder &amp; Board Engagement</b>	<ul style="list-style-type: none"> <li>Preparation for and participation in CBGSA Board meeting December</li> </ul>	67%	<ul style="list-style-type: none"> <li>Preparation for upcoming CBGSA SAC/Board meetings and ad-hoc calls</li> </ul>
<b>Task 18: Outreach Support</b>	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP review and development</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 18 is completed; no further work is anticipated. Further outreach support will be performed under Task 23</li> </ul>
<b>Task 19: Support for DWR Technical Support Services</b>	<ul style="list-style-type: none"> <li>Developed information needed to complete site specific applications</li> <li>Ongoing coordination activities</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 19 is completed; no further work is anticipated. Further outreach support will be performed under Task 24</li> </ul>
<b>Task 20: Prepare SGM Planning Grant Application</b>	<ul style="list-style-type: none"> <li>Finalized SGM Planning Grant application and submitted to DWR</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 20 is completed; no further work is anticipated</li> </ul>
<b>Task 21: Development of a CBGSA Fee Structure</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 21 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>

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
<b>Task 22: Stakeholder &amp; Board Engagement</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 22 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>No work is anticipated on this task until the budget for Task 17 is exhausted.</li> </ul>
<b>Task 23: Outreach Support</b>	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP completion</li> </ul>	3%	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP completion and implementation</li> </ul>
<b>Task 24: Support for DWR Technical Support Services</b>	<ul style="list-style-type: none"> <li>Developed information needed to complete site specific applications</li> <li>Ongoing coordination activities</li> </ul>	15%	<ul style="list-style-type: none"> <li>Complete site specific applications and submit to DWR</li> <li>Ongoing coordination activities</li> </ul>
<b>Task 25: Cuyama Basin GSP Implementation Support</b>	<ul style="list-style-type: none"> <li>Begin work to develop Annual Report</li> <li>Begin DMS update support</li> </ul>	2%	<ul style="list-style-type: none"> <li>Prepare draft Annual Report and provide to Board for review</li> <li>Develop plan for monitoring network implementation</li> </ul>
<b>Task 26: Development of Management Area Policies and Guidelines</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 26 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>
<b>Task 27: Support for Determining a Funding Mechanism for FY 20-21</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 27 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>

## 2 Budget Status

Table 5 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 5: Budget Status for Task Order 1**

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

Table 6 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 6: 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%
<b>Total</b>	<b>\$ 399,469.00</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>100%</b>

Table 7 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 7: 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%
<b>Total</b>	<b>\$ 188,238.00</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>100%</b>

Table 8 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 8: 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%
<b>Total</b>	<b>\$ 764,396.00</b>	<b>\$ 764,394.14</b>	<b>\$ -</b>	<b>\$ 764,394.14</b>	<b>\$ 1.86</b>	<b>100%</b>

Table 9 shows the percent spent for each task under Task Order 5 as of December 27, 2019. 60% of the available Task Order 5 budget has been expended (\$275,394.07 out of \$459,886).

**Table 9: 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	\$ 134,248.36	\$ 4,323.77	\$ 138,572.13	\$ 57,635.87	71%
13	\$ 24,950.00	\$ 24,933.01	\$ -	\$ 24,933.01	\$ 16.99	100%
14	\$ 204,906.00	\$ 80,847.88	\$ -	\$ 80,847.88	\$ 124,058.12	39%
15	\$ 33,822.00	\$ 30,401.05	\$ 640.00	\$ 31,041.05	\$ 2,780.95	92%
<b>Total</b>	<b>\$ 459,886.00</b>	<b>\$ 270,430.30</b>	<b>\$ 4,963.77</b>	<b>\$ 275,394.07</b>	<b>\$ 184,491.93</b>	<b>60%</b>

Table 10 shows the percent spent for each task under Task Order 6 as of December 27, 2019. 85% of the available Task Order 6 budget has been expended (\$305,400.74 out of \$357,405).



Table 10: 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	\$ 195,198.29	\$ -	\$ 195,198.29	\$ 459.71	99%
17	\$ 57,406.00	\$ 27,428.86	\$ 11,001.18	\$ 38,430.04	\$ 18,975.96	67%
18	\$ 12,901.00	\$ 12,929.91	\$ -	\$ 12,929.91	\$ (28.91)	100%
19	\$ 18,848.00	\$ 13,524.50	\$ 5,311.00	\$ 18,835.50	\$ 12.50	100%
20	\$ 40,032.00	\$ 40,007.00	\$ -	\$ 40,007.00	\$ 25.00	100%
21	\$ 32,560.00	\$ -	\$ -	\$ -	\$ 32,560.00	0%
<b>Total</b>	<b>\$ 357,405.00</b>	<b>\$ 289,088.56</b>	<b>\$ 16,312.18</b>	<b>\$ 305,400.74</b>	<b>\$ 52,004.26</b>	<b>85%</b>

Table 11 shows the percent spent for each task under Task Order 7 as of December 27, 2019. 3% of the available Task Order 6 budget has been expended (\$6,882.50 out of \$266,772.50).

Table 10: Budget Status for Task Order 6

Task	Total Budget	Spent Previously	Spent this Period	Total Spent to Date	Budget Remaining	% Spent to Date
22	\$ 29,262.00	\$ -	\$ -	\$ -	\$ 29,262.00	0%
23	\$ 12,901.00	\$ -	\$ 324.50	\$ 324.50	\$ 12,576.50	3%
24	\$ 18,848.00	\$ -	\$ 2,581.00	\$ 2,581.00	\$ 16,267.00	14%
25	\$ 160,028.00	\$ -	\$ 3,977.00	\$ 3,977.00	\$ 156,051.00	2%
26	\$ 49,608.00	\$ -	\$ -	\$ -	\$ 49,608.00	0%
27	\$ 3,008.00	\$ -	\$ -	\$ -	\$ 3,008.00	0%
<b>Total</b>	<b>\$ 273,655.00</b>	<b>\$ -</b>	<b>\$ 6,882.50</b>	<b>\$ 6,882.50</b>	<b>\$ 266,772.50</b>	<b>3%</b>

### 3 Schedule Status

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

### 4 Outstanding Issues to be Coordinated

None



TD BANK  
Electronic Transfer:  
⑆211274450 ⑆ 2427662596⑆

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

February 26, 2020  
Project No: 0011078.01  
Invoice No: 173403

Project 0011078.01 CUYAMA GSP

**Professional Services for the period ending January 29, 2020**

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

**Consultant**

Sub - Engineering

1/29/2020	GROUND WATER SOLUTIONS, INC.	GSI Invoice #0747-001-11	486.00	
1/29/2020	GROUND WATER SOLUTIONS, INC.	GSI Invoice #0747.001-10	1,982.50	
	<b>Consultant Total</b>	<b>1.1 times</b>	<b>2,468.50</b>	<b>2,715.35</b>
		<b>Total this Phase</b>		<b>\$2,715.35</b>

Phase 016 Finalize GSP Development

**Professional Personnel**

	Hours	Rate	Amount	
Scientist 2				
Cochran, Natalie	2.25	192.00	432.00	
Totals	2.25		432.00	
	<b>Labor Total</b>			<b>432.00</b>
		<b>Total this Phase</b>		<b>\$432.00</b>

Phase 017 Stakeholder/Board Engagement

**Professional Personnel**

	Hours	Rate	Amount	
Project Manager 2				
Van Lienden, Brian	8.00	273.00	2,184.00	
Totals	8.00		2,184.00	
	<b>Labor Total</b>			<b>2,184.00</b>

Project	0011078.01	CUYAMA GSP	Invoice	173403
			<b>Total this Phase</b>	<b>\$2,184.00</b>

Phase 024 2020 Support to DWR Technical Support

**Professional Personnel**

	Hours	Rate	Amount	
Planner 2				
Eggleton, Charles	4.50	192.00	864.00	
Project Manager 2				
Van Lienden, Brian	7.50	273.00	2,047.50	
Totals	12.00		2,911.50	
<b>Labor Total</b>				<b>2,911.50</b>
			<b>Total this Phase</b>	<b>\$2,911.50</b>

Phase 025 2020 GSP Implementation Support


**Professional Personnel**

	Hours	Rate	Amount	
Engineer 3				
Ceyhan, Mahmut	15.50	217.00	3,363.50	
Planner 1				
Stine, Melissa	20.50	166.00	3,403.00	
Planner 2				
Eggleton, Charles	15.25	192.00	2,928.00	
Kidson, Jennifer	5.25	192.00	1,008.00	
Project Assistant				
Hughart, Desiree	1.00	113.00	113.00	
Project Manager 2				
Ayres, John	15.00	273.00	4,095.00	
Van Lienden, Brian	46.50	273.00	12,694.50	
Scientist 2				
Cochran, Natalie	21.00	192.00	4,032.00	
Senior Project Assistant				
Daugherty, Lisa	4.00	132.00	528.00	
Hughart, Desiree	1.50	132.00	198.00	
Totals	145.50		32,363.00	
<b>Labor Total</b>				<b>32,363.00</b>
			<b>Total this Phase</b>	<b>\$32,363.00</b>
			<b>Total this Invoice</b>	<b>\$40,605.85</b>

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
171677	1/8/2020	39,744.00
172729	2/7/2020	28,158.45
<b>Total</b>		<b>67,902.45</b>

	<b>Current Fee</b>	<b>Previous Fee</b>	<b>Total</b>
<b>Project Summary</b>	<b>40,605.85</b>	<b>2,260,913.44</b>	<b>2,301,519.29</b>

Approved by:  \_\_\_\_\_

Brian Van Lienden  
Project Manager  
Woodard & Curran



## Progress Report

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### Cuyama Basin Groundwater Sustainability Plan Development

**Subject:** January 2019 Progress Report

Jim Beck, Executive Director,

**Prepared for:** Cuyama Basin Groundwater Sustainability Agency (CBGSA)

**Prepared by:** Brian Van Lienden, Woodard & Curran

**Reviewed by:** Lyndel Melton, Woodard & Curran

**Date:** February 26, 2020

**Project No.:** 0011078.01

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This progress report summarizes the work performed and project status for the period of December 28, 2019 through January 29, 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, and Task Order 7, issued by the CBGSA on December 4, 2019. 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 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
<b>Task 1: Initiate Work Plan for GSP and Stakeholder Engagement Strategy Development</b>	<ul style="list-style-type: none"> <li>Task 1 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 1 is completed; no further work is anticipated</li> </ul>
<b>Task 2: Data Management System, Data Collection and Analysis, and Plan Review</b>	<ul style="list-style-type: none"> <li>Task 2 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 2 is completed; no further work is anticipated</li> </ul>
<b>Task 3: Description of the Plan Area, Hydrogeologic Conceptual Model, and Groundwater Conditions</b>	<ul style="list-style-type: none"> <li>Task 3 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 3 is completed; no further work is anticipated</li> </ul>
<b>Task 4: Basin Model and Water Budget</b>	<ul style="list-style-type: none"> <li>Task 4 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 4 is completed; no further work is anticipated</li> </ul>
<b>Task 5: Establish Basin Sustainability Criteria</b>	<ul style="list-style-type: none"> <li>Task 5 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 5 is completed; no further work is anticipated</li> </ul>
<b>Task 6. Monitoring Networks</b>	<ul style="list-style-type: none"> <li>Task 6 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 6 is completed; no further work is anticipated</li> </ul>
<b>Task 7: Projects and Actions for Sustainability Goals</b>	<ul style="list-style-type: none"> <li>Task 7 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 7 is completed; no further work is anticipated</li> </ul>
<b>Task 8. GSP Implementation</b>	<ul style="list-style-type: none"> <li>Task 8 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 8 is completed; no further work is anticipated</li> </ul>



Task	Work Completed During the Reporting Period	Percent Complete	Work Scheduled for Next Period
<b>Task 9. GSP Development</b>	<ul style="list-style-type: none"> <li>Task 9 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 9 is completed; no further work is anticipated; additional work to complete the GSP will be performed under Task 16</li> </ul>
<b>Task 10: Education, Outreach and Communication</b>	<ul style="list-style-type: none"> <li>Task 10 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 10 is completed; no further work is anticipated; additional outreach and communication work will be performed under Tasks 17 and 18</li> </ul>
<b>Task 11: Project Management</b>	<ul style="list-style-type: none"> <li>Task 11 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 11 is completed; no further work is anticipated. Further project management activities will be covered in Tasks 15 and 16.</li> </ul>

**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
<b>Task 12: Groundwater Monitoring Well Network Expansion</b>	<ul style="list-style-type: none"> <li>Worked on developing CEQA documentation for sensor installation</li> </ul>	78%	<ul style="list-style-type: none"> <li>Once partners have been identified, work will commence to perform the field work required to install the data sensors</li> </ul>
<b>Task 13: Evapotranspiration Evaluation for Cuyama Basin Region</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 13 during this period.</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 13 is completed; no further work is anticipated</li> </ul>
<b>Task 14: Surface Water Monitoring Program</b>	<ul style="list-style-type: none"> <li>Worked on developing CEQA documentation for stream gage installation</li> </ul>	50%	<ul style="list-style-type: none"> <li>Will finalize CEQA documentation for stream gage installation</li> </ul>
<b>Task 15: Category 1 Project Management</b>	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>	94%	<ul style="list-style-type: none"> <li>Ongoing project management and grant administration activities</li> </ul>

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

<b>Task</b>	<b>Work Completed During the Reporting Period</b>	<b>Percent Complete</b>	<b>Work Scheduled for Next Period</b>
<b>Task 16: Finalize GSP Development</b>	<ul style="list-style-type: none"> <li>The GSP was finalized and submitted to DWR</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 16 is completed; no further work is anticipated</li> </ul>
<b>Task 17: Stakeholder &amp; Board Engagement</b>	<ul style="list-style-type: none"> <li>Participation in ad-hoc calls</li> <li>Preparation for upcoming CBGSA Board meeting</li> </ul>	70%	<ul style="list-style-type: none"> <li>Preparation for and participation in upcoming CBGSA SAC/Board meetings and ad-hoc calls</li> </ul>
<b>Task 18: Outreach Support</b>	<ul style="list-style-type: none"> <li>Task 18 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 18 is completed; no further work is anticipated. Further outreach support will be performed under Task 23</li> </ul>
<b>Task 19: Support for DWR Technical Support Services</b>	<ul style="list-style-type: none"> <li>Task 19 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 19 is completed; no further work is anticipated. Further outreach support will be performed under Task 24</li> </ul>
<b>Task 20: Prepare SGM Planning Grant Application</b>	<ul style="list-style-type: none"> <li>Task 20 is completed; no work was undertaken on this task during this reporting period</li> </ul>	100%	<ul style="list-style-type: none"> <li>Task 20 is completed; no further work is anticipated</li> </ul>
<b>Task 21: Development of a CBGSA Fee Structure</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 21 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>

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
<b>Task 22: Stakeholder &amp; Board Engagement</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 22 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>No work is anticipated on this task until the budget for Task 17 is exhausted.</li> </ul>
<b>Task 23: Outreach Support</b>	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP completion</li> </ul>	3%	<ul style="list-style-type: none"> <li>Ongoing stakeholder outreach activities related to GSP completion and implementation</li> </ul>
<b>Task 24: Support for DWR Technical Support Services</b>	<ul style="list-style-type: none"> <li>Developed draft site specific applications</li> <li>Investigated potential sites for 3<sup>rd</sup> well</li> </ul>	30%	<ul style="list-style-type: none"> <li>Finalize site specific applications and submit to DWR</li> <li>Ongoing coordination activities</li> </ul>
<b>Task 25: Cuyama Basin GSP Implementation Support</b>	<ul style="list-style-type: none"> <li>Developed draft Annual Report sections</li> <li>Developed draft plan for monitoring well implementation</li> </ul>	25%	<ul style="list-style-type: none"> <li>Prepare draft Annual Report and provide to Board for review</li> <li>Refine plan for monitoring network implementation</li> </ul>
<b>Task 26: Development of Management Area Policies and Guidelines</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 26 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>
<b>Task 27: Support for Determining a Funding Mechanism for FY 20-21</b>	<ul style="list-style-type: none"> <li>No work was performed on Task 27 during this period.</li> </ul>	0%	<ul style="list-style-type: none"> <li>Provide support as needed</li> </ul>

## 2 Budget Status

Table 5 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 5: Budget Status for Task Order 1**

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

Table 6 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 6: 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%
<b>Total</b>	<b>\$ 399,469.00</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>\$ 399,469.00</b>	<b>\$ -</b>	<b>100%</b>

Table 7 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 7: 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%
<b>Total</b>	<b>\$ 188,238.00</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>\$ 188,238.00</b>	<b>\$ -</b>	<b>100%</b>

Table 8 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 8: 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%
<b>Total</b>	<b>\$ 764,396.00</b>	<b>\$ 764,394.14</b>	<b>\$ -</b>	<b>\$ 764,394.14</b>	<b>\$ 1.86</b>	<b>100%</b>

Table 9 shows the percent spent for each task under Task Order 5 as of January 29, 2020. 60% of the available Task Order 5 budget has been expended (\$278,109.42 out of \$459,886).

**Table 9: 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	\$ 138,572.13	\$ 2,715.35	\$ 141,287.48	\$ 54,920.52	72%
13	\$ 24,950.00	\$ 24,933.01	\$ -	\$ 24,933.01	\$ 16.99	100%
14	\$ 204,906.00	\$ 80,847.88	\$ -	\$ 80,847.88	\$ 124,058.12	39%
15	\$ 33,822.00	\$ 31,041.05	\$ -	\$ 31,041.05	\$ 2,780.95	92%
<b>Total</b>	<b>\$ 459,886.00</b>	<b>\$ 275,394.07</b>	<b>\$ 2,715.35</b>	<b>\$ 278,109.42</b>	<b>\$ 181,776.58</b>	<b>60%</b>

Table 10 shows the percent spent for each task under Task Order 6 as of January 29, 2020. 86% of the available Task Order 6 budget has been expended (\$308,016.74 out of \$357,405).



Table 10: 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	\$ 195,198.29	\$ 432.00	\$ 195,630.29	\$ 27.71	100%
17	\$ 57,406.00	\$ 38,430.04	\$ 2,184.00	\$ 40,614.04	\$ 16,791.96	71%
18	\$ 12,901.00	\$ 12,929.91	\$ -	\$ 12,929.91	\$ (28.91)	100%
19	\$ 18,848.00	\$ 18,835.50	\$ -	\$ 18,835.50	\$ 12.50	100%
20	\$ 40,032.00	\$ 40,007.00	\$ -	\$ 40,007.00	\$ 25.00	100%
21	\$ 32,560.00	\$ -	\$ -	\$ -	\$ 32,560.00	0%
<b>Total</b>	<b>\$ 357,405.00</b>	<b>\$ 305,400.74</b>	<b>\$ 2,616.00</b>	<b>\$ 308,016.74</b>	<b>\$ 49,388.26</b>	<b>86%</b>

Table 11 shows the percent spent for each task under Task Order 7 as of January 29, 2020. 15% of the available Task Order 6 budget has been expended (\$42,157.00 out of \$273,655.00).

Table 11: 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	\$ -	\$ -	\$ -	\$ 29,262.00	0%
23	\$ 12,901.00	\$ 324.50	\$ -	\$ 324.50	\$ 12,576.50	3%
24	\$ 18,848.00	\$ 2,581.00	\$ 2,911.50	\$ 5,492.50	\$ 13,355.50	29%
25	\$ 160,028.00	\$ 3,977.00	\$ 32,363.00	\$ 36,340.00	\$ 123,688.00	23%
26	\$ 49,608.00	\$ -	\$ -	\$ -	\$ 49,608.00	0%
27	\$ 3,008.00	\$ -	\$ -	\$ -	\$ 3,008.00	0%
<b>Total</b>	<b>\$ 273,655.00</b>	<b>\$ 6,882.50</b>	<b>\$ 35,274.50</b>	<b>\$ 42,157.00</b>	<b>\$ 231,498.00</b>	<b>15%</b>

### 3 Schedule Status

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

### 4 Outstanding Issues to be Coordinated

None



**CALIFORNIA ASSOCIATION OF MUTUAL WATER COMPANIES  
JOINT POWERS RISK AND INSURANCE MANAGEMENT AUTHORITY (JPRIMA)**

**COVERAGE PROPOSAL  
Cuyama Basin Groundwater Sustainability Agency**

**COVERAGE PERIOD  
4/1/2020 - 4/1/2021**

**PRESENTED BY:  
Walter Mortensen Insurance**



**Insurance Administrator  
[www.alliedpublicrisk.com](http://www.alliedpublicrisk.com)  
Allied Community Insurance Services, LLC  
CA License Number: 0L01269  
National Producer Number: 17536322**



**PREMIUM SUMMARY**

**NOTE:** This proposal is prepared from information supplied to us on the application submitted by you or insurance broker. It may or may not contain all terms requested on the application. Coverage is provided by the JPRIMA Memorandum of Coverage (MOC) and subject to its terms, exclusions, conditions and limitations. A specimen MOC is available for your review, as is the JPRIMA Member Agreement. Enrollment in the JPRIMA requires execution of the JPRIMA Member Agreement as well as membership in the California Association of Mutual Water Companies (Cal Mutuals).

PAGE	COVERAGE SECTION		PREMIUM
3-7	<b>SECTION 1. PROPERTY</b> (Property, Equipment Breakdown & Mobile Equipment)	\$	N/A
8	<b>SECTION 2. COMMERCIAL CRIME</b>	\$	N/A
9-10	<b>SECTION 3. COMMERCIAL GENERAL LIABILITY</b>	\$	4,295.00
11	<b>SECTION 4. PUBLIC OFFICIALS &amp; MANAGEMENT LIABILITY</b> (Wrongful Acts, Employment Practices & Employee Benefits, Privacy and Network Risk)	\$	2,905.00
12	<b>SECTION 5. BUSINESS AUTO</b>	\$	N/A
13	<b>SECTION 6. COMMERCIAL EXCESS LIABILITY</b>	\$	1,647.00
		<b>MEMBER CONTRIBUTION</b>	\$ 8,847.00
		<b>JPRIMA ADMINISTRATION FEES</b>	\$ 984.00
		<b>TOTAL AMOUNT DUE*</b>	\$ 9,831.00

\*Payment is due within thirty (30) days of binding.

**NOTES:**

The JPRIMA MOC has a common anniversary date of April 1, 2020.

**Terrorism coverage is automatically included for Property and General Liability.**

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER:** Actual coverage is subject to the language of the MOC as issued.



**SECTION 1. PROPERTY\***

**\*PROPERTY IS INCLUDED IN THE PROPOSAL: No**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Proprietary & Integrated

**LIMITS:**

<b>Blanket Property:</b> (Real Property & Business Personal Property)	<b>N/A</b>
<b>Blanket Coverage Extension:</b> A separate blanket limit that applies to the following coverages: Business Income, Extended Business Income, Commandeered Property, Civil Authority, Extra Expense, Tenant Leasehold Interest, Electronic Data, Preservation of Property.	<b>N/A</b>
<b>Equipment Breakdown / Boiler &amp; Machinery:</b>	<b>Not Included</b>
<b>Mobile Equipment</b> (scheduled):	<b>N/A</b>
<b>Mobile Equipment</b> (unscheduled, maximum \$10,000 any one item):	<b>N/A</b>
<b>Mobile Equipment</b> (borrowed, rented & leased):	<b>N/A</b>
<b>Flood Zone X:</b> (shaded/unshaded)	<b>N/A</b>

**DEDUCTIBLES:**

- N/A** Property
- N/A** Mobile Equipment
- N/A** Equipment Breakdown (aboveground & less than 50 feet belowground)
- N/A** Equipment Breakdown (greater than 50 feet belowground)
- N/A** Flood Zone X (per occurrence)

**COVERAGE HIGHLIGHTS:**

- Blanket Property Limits & Blanket Coverage Extension Limits
- No Coinsurance Penalty
- Equipment Breakdown
- Foundations as Covered Property

**VALUATION:**

- Replacement Cost: Real Property & Business Personal Property
- Actual Cash Value: Mobile Equipment
- Actual Loss Sustained: Loss of Income & Expenses
- Market Price: Fine Arts

**KEY EXCLUSIONS:**

- Earthquake & Earth Movement
- Flood (unless coverage is designated above, such coverage would be limited to locations in Zone X only)

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER:** Actual coverage is subject to the language of the MOC as issued.

**SPECIAL COVERAGES:**

- **New Locations or Newly Constructed Property:**  
Pays up to \$1,000,000 for your new real property while being built on or off described premises as well as real property you acquire, lease or operate at locations other than the described premises; and business personal property located at new premises.
- **Utility Services – Direct Damage, Business Income & Expense:**  
Pays up to \$250,000 for covered property damaged by an interruption in utility service to the described premises. The interruption in utility service must result from direct physical loss or damage by a Covered Cause of Loss and does not apply to loss or damage to electronic data, including destruction or corruption of electronic data. Separate limits apply to Direct Damage and Business Income/Expense.
- **Pollution Remediation Expenses:**  
Pays up to \$100,000 or \$250,000 for remediation expenses resulting from a Covered Causes of Loss or Specified Cause of Loss occurring during the coverage period and reported within 180 days. Covered Causes of Loss means risks of direct physical loss unless the loss is excluded or limited by the Property Coverage Form. Specified Cause of Loss means the following: fire; lightning; explosion; windstorm or hail; smoke; aircraft or vehicles; riot or civil commotion; vandalism; leakage from fire extinguishing equipment; sinkhole collapse; volcanic action; falling objects; weight of snow; ice or sleet; water damage; and equipment breakdown.
- **SCADA Upgrades:**  
Pays up to \$100,000 to upgrade your scheduled SCADA system after direct physical loss from a Covered Cause of Loss. The upgrade is in addition to its replacement cost. SCADA means the Supervisory Control and Data Acquisition system used in water and wastewater treatment and distribution to monitor leaks, waterflow, water analysis, and other measurable items necessary to maintain operations.
- **Contract Penalties:**  
Pays up to \$100,000 for contract penalties you are required to pay due to your failure to deliver your product according to contract terms solely as a result of direct physical loss or damage by a Covered Cause of Loss to Covered Property.
- **Contamination:**  
Pays up to \$250,000 for loss or damage to covered property because of contamination as a result of a Covered Cause of Loss. Contamination means direct damage to real property and business personal property caused by contact or mixture with ammonia, chlorine, or any chemical used in the water and / or wastewater treatment process.
- **Property In Transit:**  
Pays up to \$100,000 for direct physical loss or damage to covered property while in transit more than 1000 feet from the described premises. Shipments by mail must be registered for covered to apply. Electronic data processing property and fine arts are excluded.
- **Unintentional Errors:**  
Pays up to \$250,000 for any unintentional error or omission you make in determining or reporting values or in describing the covered property or covered locations.

## KEY DEFINITIONS

### ■ **Real Property:**

The buildings, items or structures described in the Declarations that you own or that you have leased or rented from others in which you have an insurable interest. This includes:

- Aboveground piping;
- Aboveground and belowground penstock;
- Additions under construction;
- Alterations and repairs to the buildings or structures;
- Buildings;
- Business personal property owned by you that is used to maintain or service the real property or structure or its premises, including fire-extinguishing equipment; outdoor furniture, floor coverings and appliances used for refrigerating, ventilating, cooking, dishwashing or laundering;
- Completed additions;
- Exterior signs, meaning neon, automatic, mechanical, electric or other signs either attached to the outside of a building or structure, or standing free in the open;
- Fixtures, including outdoor fixtures;
- Foundations;
- Glass which is part of a building or structure;
- Light standards;
- Materials, equipment, supplies and temporary structures you own or for which you are responsible, on the premises or in the open (including property inside vehicles) within 1000 feet of the premises, used for making additions, alterations or repairs to buildings or structures at the premises;
- Paved surfaces such as sidewalks, patios or parking lots;
- Permanently installed machinery and equipment;
- Permanent storage tanks;
- Solar panels;
- Submersible pumps, pump motors and engines;
- Underground piping located on or within 100 feet of premises described in the Declarations;
- Underground vaults and machinery.

### ■ **Business Personal Property:**

The property you own that is used in your business including:

- Furniture and fixtures;
- Machinery and equipment;
- Computer equipment;
- Communication equipment;
- Labor materials or services furnished or arranged by you on personal property of others;
- Stock;
- Your use interest as tenant in improvements and betterments.
- Leased personal property for which you have a contractual responsibility to insure.

### ■ **Pollution Conditions:**

The discharge, dispersal, release, seepage, migration, or escape of any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals, minerals, chemical elements and waste. Waste includes materials to be recycled, reconditioned or reclaimed.



**KEY DEFINITIONS** *(continued)*

■ **Remediation Expenses:**

Expenses incurred for or in connection with the investigation, monitoring, removal, disposal, treatment, or neutralization of pollution conditions to the extent required by: (1) Federal, state or local laws, regulations or statutes, or any subsequent amendments thereof enacted to address pollution conditions; and (2) a legally executed state voluntary program governing the cleanup of "pollution conditions."

■ **Outdoor Property:**

Fixed or permanent structures that are outside covered real property including but not limited to:

- Historical markers or flagpoles;
- Sirens, antennas, towers, satellite dishes, or similar structures and their associated equipment;
- Exterior signs not located at a premises;
- Fences or retaining walls;
- Storage sheds, garages, pavilions or other similar buildings or structures not located at a premises;
- Dumpsters, concrete trash containers, or permanent recycling bins; or
- Hydrants.

■ **Equipment Breakdown:**

Direct damage to mechanical, electrical or pressure systems as follows:

- Mechanical breakdown including rupture or bursting caused by centrifugal force;
- Artificially generated electrical current, including electrical arcing, that disturbs electrical devices, appliances or wires;
- Explosion of steam boilers, steam piping, steam engines or steam turbines owned or leased by you, or operated under your control;
- Loss or damage to steam boilers, steam pipes, steam engines or steam turbines; or
- Loss or damage to hot water boilers or other water heating equipment;
- If covered electrical equipment requires drying out as a result of a flood, we will pay for the direct expenses for such drying out.
- None of the following are covered objects as respects to equipment breakdown:
  - a. Insulating or refractory material;
  - b. Buried vessel or piping;
  - c. Sewer piping, piping forming a part of a fire protection system or water piping other than:
    - (1) Feed water piping between any boiler and its feed pump or injector;
    - (2) Boiler condensate return piping; or
    - (3) Water piping forming a part of refrigerating and air conditioning vessels and piping used for cooling, humidifying or space heating purposes;
  - d. Structure, foundation, cabinet or compartment containing the object;
  - e. Power shovel, dragline, excavator, vehicle, aircraft, floating vessel or structure, penstock, draft tube or well-casing;
  - f. Conveyor, crane, elevator, escalator or hoist, but not excluding any electrical machine or electrical apparatus mounted on or used with this equipment; and
  - g. Felt, wire, screen, die, extrusion, late, swing hammer, grinding disc, cutting blade, cable chain, belt, rope, clutch late, brake pad, non-metallic part or any part or tool subject to frequent, periodic replacement.



**PROPERTY SUBLIMITS:**

Coverage			Limit		
Accounts Receivable	<input type="checkbox"/>	\$500,000	<input type="checkbox"/>	\$1,000,000	\$2,000,000
Valuable Papers and Records	<input type="checkbox"/>	\$500,000	<input type="checkbox"/>	\$1,000,000	\$2,000,000
Contamination	<input type="checkbox"/>	\$250,000			
Tools and Equipment Owned by Your Employees	<input type="checkbox"/>	\$5,000	<input type="checkbox"/>	\$10,000	\$25,000
Personal Effects and Property of Others	<input type="checkbox"/>	\$5,000	<input type="checkbox"/>	\$10,000	\$25,000
New Locations or Newly Constructed Property		\$1,000,000			
Business Personal Property at New Locations		\$1,000,000			
Backup/Overflow of Water from Sewer, Drain, Sump		\$250,000			
Utility Services - Direct Damage		\$250,000			
Utility Services –		\$250,000			
Business Income and Extra Expense					
Dependent Business Premises		\$250,000			
Property at Other Locations		\$250,000			
Pollution Remediation Expense (specified cause of loss)		\$250,000			
Outdoor Property (unscheduled)		\$100,000			
Contract Penalties		\$100,000			
Pollution Remediation Expense (covered cause of loss)		\$100,000			
Property in Transit		\$100,000			
SCADA Upgrades		\$100,000			
Indoor and Outdoor Signs (unscheduled)		\$50,000			
Limited Coverage for “Fungus”, Wet Rot or Dry Rot		\$50,000			
Fine Arts		\$25,000			
Fire Department Service Charge		\$25,000			
Fire Protection Devices		\$25,000			
Key and Lock Replacement Expenses		\$25,000			
Trees, Shrubs & Plants (maximum \$1,000 any one item)		\$25,000			
Arson Reward		\$10,000			
Rental Reimbursement – Mobile Equipment		\$10,000			
Cost of Inventory or Adjustment		\$5,000			
Non-Owned Detached Trailers		\$5,000			
Water Contamination Notification Expenses		\$5,000			
Patterns, Dies, Molds, Forms		\$2,500			
Debris Removal		25% of scheduled limit plus \$250,000			
Ordinance or Law Provision		100% of scheduled limit plus 25%			

**NOTES:**

Contribution is calculated from attached property schedule; review property schedule for coverage and limit adequacy.

**This section of the proposal is excluded. There is no Property coverage afforded to this insured.**

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER:** Actual coverage is subject to the language of the MOC as issued.



**SECTION 2. COMMERCIAL CRIME\***

**\*COMMERCIAL CRIME IS INCLUDED IN THE PROPOSAL: No**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Proprietary & Integrated

**RATING BASIS:**

- On file with underwriter
- Non auditable

**LIMITS:**

COVERAGE GROUP SELECTED	EMPLOYEE THEFT	FORGERY OR ALTERATION	INSIDE THE PREMISES Theft of Money and Securities	INSIDE THE PREMISES Robbery or Safe Burglary or Other Property	OUTSIDE THE PREMISES	COMPUTER FRAUD	FUNDS TRANSFER FRAUD	MONEY ORDERS & COUNTERFEIT PAPER CURRENCY
	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
	\$500,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
	\$1,000,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
	\$2,000,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

**DEDUCTIBLE:**

\$0 each claim

**DESIGNATED EMPLOYEE BENEFIT PLAN(S):**

**COVERAGE HIGHLIGHTS:**

- Separate Limits Apply to Each Coverage
- Coverage Extended to Directors and Authorized Volunteers
- Faithful Performance

**NOTES:**

**This section of the proposal is excluded. There is no Commercial Crime coverage afforded to this insured.**

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER: Actual coverage is subject to the language of the MOC as issued.**



**SECTION 3. GENERAL LIABILITY\***

**\*GENERAL LIABILITY IS INCLUDED IN THE PROPOSAL: Yes**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Occurrence
- Defense Costs Outside the Limit
- Proprietary & Integrated

**RATING BASIS:**

- On file with underwriter
- Non auditable

**LIMITS:**

Per Occurrence	<b>\$ 1,000,000</b>
General Aggregate	<b>\$10,000,000</b>
Products & Completed Operations Aggregate	<b>\$10,000,000</b>
Personal & Advertising Injury Limit	<b>\$ 1,000,000</b>
Damage to Premises Rented to You	<b>\$ 1,000,000</b>
Medical Payments	<b>\$ 10,000</b>

**DEDUCTIBLE:**

**5000.00**

**COVERAGE HIGHLIGHTS:**

- Duty to Defend
- Broad Definition of Enrolled Named Member
- Blanket Additional Enrolled Named Member
- Water & Wastewater Testing Errors & Omissions
- Expanded Pollution Liability
- Failure to Supply (no ISO limitation)
- Lead (potable water)
- Waterborne Asbestos (potable water)
- Product Recall
- Impaired Property
- Fungi & Bacteria

**OPTIONAL COVERAGES:**

- Hired & Non Owned Automobile Liability
- Employee Benefits Liability
- Dam, Levee & Dike Structural Failure

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER:** Actual coverage is subject to the language of the MOC as issued.

**SPECIAL COVERAGES:**

- **Water & Wastewater Testing Errors & Omissions:**  
Coverage is provided for damages arising out of an act, error or omission which arises from your water or wastewater testing.
- **Failure To Supply:**  
Coverage is provided for bodily injury or property damage arising out of the failure of any Enrolled Named Member to adequately supply water.
- **Waterborne Asbestos:**  
Coverage is provided for bodily injury or property damage from waterborne asbestos arising out of potable water which is provided by you to others.
- **Contractual Liability - Railroads:**  
Coverage is provided for any contract or agreement that indemnifies a railroad for bodily injury or property damage arising out of construction or demolition operations, within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing.
- **Pollution:**  
Coverage is provided for bodily injury or property damage which occurs or takes place as a result of your operations and arises out of the following:
  - Potable water which you supply to others;
  - Chemicals you use in your water or wastewater treatment process;
  - Natural gas or propane gas you use in your water or wastewater treatment process;
  - Urgent response for the protection of property, human life, health or safety conducted away from premises owned by or rented to or regularly occupied by you;
  - Your application of pesticide or herbicide chemicals if such application meets all standards of any statute, ordinance, regulation or license requirement of any federal, state or local government;
  - Smoke drift from controlled or prescribed burning that has been authorized and permitted by an appropriate regulatory agency.
  - Fuels, lubricants or other operating fluids needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of mobile equipment or its parts
  - Escape or back-up of sewage or waste water from any sewage treatment facility or fixed conduit or piping that you own, operate, lease, control or for which you have the right of way, but only if property damage occurs away from land you own or lease.
  - Sudden and accidental events that are neither expected nor intended by an Enrolled Named Member. However, no coverage is provided under this exception for petroleum underground storage tanks.
- **Damage to Impaired Property or Property Not Physically Injured**  
Coverage is provided for bodily injury or property damage arising from your potable water, nonpotable water, or wastewater as well as any loss of use of other property arising out of sudden and accidental physical injury to “your product” or “your work” after it has been put to its intended use.
- **Fungi or Bacteria**  
Coverage is provided for bodily injury or property damage arising from any “fungi” or bacteria that are, are on, or are contained in a good or product intended for consumption; or to any injury or damage arising out of or caused by your water, irrigation, or wastewater intake, outtake, reclamation, treatment and distribution processes.
- **Recall of Products, Work or Impaired Property**  
Coverage applies to any injury or damage arising out of or caused by your potable water, nonpotable water, or wastewater for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of: “Your product”; “Your work”; or “Impaired property”; if such product, work, or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

**NOTES:**



**SECTION 4. PUBLIC OFFICIALS & MANAGEMENT LIABILITY\***

**\*PUBLIC OFFICIALS & MANAGEMENT LIABILITY IS INCLUDED IN THE PROPOSAL: Yes**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Proprietary & Integrated
- Occurrence
- Defense Costs Outside the Limits

**RATING BASIS:**

- On file with underwriter
- Non auditable

**LIMITS:**

Wrongful Acts	<b>\$1,000,000</b> per act
Employment Practices (including third party discrimination)	<b>N/A</b> per offense
Employee Benefit Plans	<b>N/A</b> per act
Injunctive Relief	<b>\$5,000</b> per act
	<b>\$10,000,000</b> aggregate limit

**PRIVACY LIABILITY AND NETWORK RISK<sup>1</sup>:**

Privacy & Network Security Wrongful Acts	<b>N/A</b> per act
Breach Consultation Services	<b>N/A</b> per offense
Breach Response Services	<b>N/A</b> per offense
Public Relations & Data Forensics	<b>N/A</b> per act

<sup>1</sup>Coverage provided for Privacy Liability & Network Risk Coverage is issued on a claims made basis with defense inside the limit of liability. Privacy Retroactive Date:N/A. Privacy Deductible: None.  
 \*\$1,000,000 maximum annual aggregate applies per Enrolled Named Member, with a \$2,000,000 coverage form aggregate applicable to all participating Enrolled Named Members.

**SPECIAL COVERAGE:**

- Inverse Condemnation - **Excluded**

**RETROACTIVE DATE:**

N/A

**DEDUCTIBLE:**

**\$5,000 each claim including expenses**

**COVERAGE HIGHLIGHTS:**

- Duty To Defend
- Broad Definition of Enrolled Named Member including Past and Future Employees
- Outside Directorship

**NOTES:**

**Inverse Condemnation coverage is excluded.  
Note Privacy Liability Coverage is excluded.**

**COVERAGE PROPOSAL FOR MEMBER: Cuyama Basin Groundwater Sustainability Agency**

**EFFECTIVE DATE: 4/1/2020 - 4/1/2021**

**DISCLAIMER: Actual coverage is subject to the language of the MOC as issued.**



**SECTION 5. BUSINESS AUTO\***

**\*BUSINESS AUTO IS INCLUDED IN THE PROPOSAL: No**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Proprietary & Integrated
- Occurrence
- Defense Costs Outside the Limits

**PORTFOLIO:**

Coverage	Symbol	Limit
Combined Single Limit for Bodily Injury & Property Damage (each accident)	No Coverage	N/A
Hired Auto Liability	No Coverage	N/A
Non-Owned Auto Liability	No Coverage	N/A
Medical Payments	No Coverage	N/A
Uninsured / Underinsured Motorists	No Coverage	N/A
Hired Physical Damage	No Coverage	N/A
Owned Physical Damage – Comprehensive	No Coverage	N/A
Owned Physical Damage – Collision	No Coverage	N/A
Towing & Rental Car Reimbursement (covered accident)		N/A
Fleet Automatic		N/A

**DEDUCTIBLE:**

Liability: None  
 Comprehensive: N/A  
 Collision: N/A

**NOTES:**

**This section of the proposal is excluded. There is no Business Auto coverage afforded to this insured. Please refer to General Liability section for Hired and Non-Owned Auto Liability coverage.**



**SECTION 6. EXCESS LIABILITY\***

**\*EXCESS LIABILITY IS INCLUDED IN THE PROPOSAL: Yes**

**ISSUER:**

- California Association of Mutual Water Companies  
Joint Powers Risk and Insurance Management Authority (JPRIMA)
- No Joint and Several Liability for Members
- 100% Reinsured

**REINSURER:**

- Allied World Insurance Company or affiliate
- A XV (Excellent) A.M. Best Rating

**FORM:**

- Following Form
- Occurrence
- Defense Costs Outside the Limits

**LIMITS:**

**\$2,000,000/\$2,000,000**

**SCHEDULED UNDERLYING POLICIES:**

Commercial General Liability - Yes  
 Hired and Non-Owned Auto Liability - Yes  
 Owned Auto Liability - No  
 Public Officials & Management Liability - Yes  
 Wrongful Acts - Yes  
 Employment Practices - No  
 Employee Benefit Plans - No  
 Employers' Liability: *(minimum underlying limit requirement of \$500,000 / \$500,000 / \$500,000)* - No  
 Other:

**NOTABLE EXCLUSION:**

- Workers' Compensation
- Uninsured Motorists / Underinsured Motorists
- Underlying Limits < \$1,000,000 except for Employers' Liability

**NOTES:**

Employers' Liability subject to JPRIMA security requirements.