

## **Las Posas Valley Groundwater Basin Technical Advisory Committee Regular Meeting**

Tuesday August 5, 2025, 2:00 PM

Via Zoom:

<https://us02web.zoom.us/j/84168071218?pwd=Kv42H0XegH4TthbvJUgzTrzACgXM8b.1>

Webinar ID: 841 6807 1218

Passcode: 150451

### **NOTICE OF MEETING**

NOTICE IS HEREBY GIVEN that the Las Posas Basin Technical Advisory Committee (TAC) will hold a regular meeting via Zoom at **2 PM on Tuesday August 5, 2025**.

### **AGENDA**

- A. Call to Order**
- B. Roll Call**
- C. Agenda Review**
- D. Public Comments**
- E. TAC Member Comments**
- F. Regular Agenda**

#### **1. Approve Minutes from previous meetings**

The TAC will review and consider adoption of minutes meetings from the previous special meeting held on July 18, 2025, the draft minutes for which are attached beginning on agenda page 3.

#### **2. Discussion for Committee Consultation: Basin Optimization Yield Study Modeling Scenario Results**

The TAC received a presentation from Dudek, the Watermaster's groundwater consultant, providing model scenario results for the simulations included in the Basin Optimization Yield Study on July 18, 2025 and model results information and data from the Watermaster on July 25, 2025. The memorandum from the Watermaster transmitting the additional model information and data is attached starting at agenda page 32.

The TAC will resume discussion of the information presented by Dudek and begin discussion of the model data provided by the Watermaster. TAC discussion will focus on comments, questions, and recommendations to provide to the Watermaster in a Recommendation Report. The Watermaster has requested TAC feedback on this matter be provided by August 26, 2025.

**3. Update on Committee Consultation Review Schedule**

The TAC will receive an update on the schedule for upcoming committee consultations from the Watermaster Representative. Known current and upcoming consultation are summarized in the table below:

Consultation Description	Expected Request Date	Expected Review Due Date
Presentation of Basin Optimization Yield Study Model Scenario Results by Dudek	7/18/25	8/26/25
Calleguas ASR Project Operations Plan	TBD	TBD

**4. Schedule for Completing Committee Consultations and Related Recommendation Reports**

The TAC will discuss the schedule for completing consultation requests from the Watermaster.

**G. Items for Future Agenda**

Potential items for future agenda will be considered by the TAC

**H. Adjourn**

## **Attachment 1**

### **Minutes of the July 18, 2025 TAC Special Meeting**

## **Las Posas Valley Groundwater Basin Technical Advisory Committee Special Meeting**

Meeting Minutes  
for  
July 18, 2025

**A. Call to Order**

Chair Taylor called the meeting to order at 2:01 pm.

**B. Roll Call**

All voting TAC members were present (via Zoom):

- Dr. Bob Abrams – Present
- Vice Chair Tony Morgan - Present
- Chair Chad Taylor – Present

All non-voting TAC members were present (via Zoom):

- Bryan Bondy – Present
- Kim Loeb – Present

Chair Taylor reported the meeting had a quorum with all three voting members of the Las Posas Valley Technical Advisory Committee (TAC) present.

**C. Agenda Review**

Mr. Taylor indicated the agenda for the special meeting was published and notified by the Watermaster. He asked for comments on the agenda from TAC members or the public. No comments were presented.

**D. Public Comments**

Mr. Taylor opened for public comments on items not on the agenda; none were made.

**E. TAC Member Comments**

Chair Taylor asked TAC members for comments on items not on the agenda. TAC members had no comments.

**F. Regular Agenda**

**1. Approve Minutes from previous meetings**

Mr. Taylor reminded the TAC and public attendees that minutes of the two previous meetings held in May had not been reviewed due to recent meeting cancellations. Minutes of the May 6, 2025 regular meeting were reviewed, and corrections were identified by TAC members. Mr. Taylor made those corrections during the meeting and asked the TAC if they were willing to accept the revised minutes via a motion.

**MOTION:** Mr. Morgan moved to accept the minutes of the May 6, 2025 meeting as modified

**SECOND:** Dr. Abrams seconded the motion

**VOTE:** Unanimously approved

Minutes of the May 9, 2025 special meeting were reviewed, and no changes were identified.

**MOTION:** Dr. Abrams moved to accept the minutes of the May 9, 2025 special meeting

**SECOND:** Mr. Morgan seconded the motion

**VOTE:** Unanimously approved

**2. Discussion of Watermaster Response to TAC Recommendation Report – Preferred Modeling Alternatives and Impacts to Schedule, Basin Optimization Yield Study, dated May 9, 2025**

Chair Taylor advanced to discussion of the Watermaster response to the TAC Recommendation Report on the preferred modeling alternatives for the Basin Optimization Yield (BOY) Study. The Watermaster received the response report on June 25, 2025.

Dr. Abrams began discussion noting that he thought the responses missed the mark and did not address the issue with the representation of West Las Posas Management Area (WLPMA) in the Coastal Plain model. He was still concerned how the model would handle BOY Study simulations with new projects in the area of concern. He indicated that the response was focused on Sustainable Groundwater Management Act (SGMA) compliance and comparison of future water levels to thresholds from the Groundwater Sustainability Plan (GSP) instead of responding to the TACs serious concerns about using the model for future forecast scenarios.

Mr. Bondy agreed and reminded the TAC that the BOY Study assesses the need for rampdown, which could have fiscal impacts to parties to the Judgment. He stated that the Watermaster response indicating that future water level measurement comparison to GSP thresholds didn't address the discrepancies between observed groundwater conditions in WLPMA and the model simulations.

Mr. Morgan stated that he thought the timeline for completing the BOY Study had been overemphasized. He wondered if taking some additional time to investigate and address potential problems with the model tools would have more benefits than meeting the current schedule given that the goal is sustainable conditions by 2040. He asked if shifting the BOY Study schedule by a few months really "jeopardizes" the Watermaster's management of the basin as indicated in the response.

Mr. Loeb responded to the previous comments, starting with the schedule. He noted that the Watermaster Board has stated that they want the first BOY Study completed on the current schedule to set annual allocations, including any required rampdown, ahead of the start of the next water year. That requires the BOY Study to be complete before the end of September 2025. Water right holders have made it clear to the Watermaster that they need notice of their allocations so they can plan water use for the year. Mr. Loeb went on to recommend the TAC consider tabling the stated concerns regarding the response report until after hearing the presentation in the next agenda item. He indicated the information in that presentation on model results addressed some of the questions raised by the TAC.

The other TAC members agreed to proceed.

Mr. Taylor asked for public comments and none were raised.

### 3. Presentation from Watermaster Consultants (Dudek): Basin Optimization Yield Study Modeling Scenario Results

Mr. Taylor welcomed Dr. Jill Weinberger of Dudek to the meeting and indicated the TAC was happy to have her present on the BOY Study model scenario results.

Dr. Weinberger expressed the hope that her presentation would assuage some TAC concerns, even though the Coastal Plain model had not been modified.

Dr. Weinberger proceeded to give a presentation titled *LPV Basin Optimization Yield Study – Baseline and Projects Run Results*, which is attached to these minutes. The presentation included four sections:

1. LPV Basin Optimization Yield Study
2. Background and Schedule
3. Scenario Results
4. Next Steps

Dr. Weinberger emphasized that pumping distribution has a large role in the model simulations and defining pumping distribution was a significant part of the work in developing model scenarios. The Watermaster would be interested in feedback the TAC can provide on pumping distribution.

Dr. Weinberger also informed the TAC that the model scenario results and associated evaluation as of the date of the meeting indicated that conditions in the basin could be maintained above GSP thresholds without the need for rampdown at least until the next BOY Study. She indicated this would give the Watermaster time to better understand pumping distributions and evaluate other management and modeling issues.

The next steps for the Watermaster and Dudek were to confirm the modeling results through additional quality control checks and begin working on the written BOY Study report. The Watermaster request for the TAC was to provide recommendations on:

- Baseline and project model results
- Alternative pumping scenario, including evaluating:
  - Impact of re-distributing existing project water
  - Impact of additional project water
- Proposed methods for estimating the Basin Optimization Yield if different from 40,000 acre-feet per year (AFY)

Mr. Bondy indicated that redistribution of project water for modeling purposes may not be necessary and could wait for fine tuning during project planning and implementation.

Mr. Loeb replied that the Watermaster is interested in assessing if redistribution of project water among wells will achieve sustainability goals consistent with the GSP, which would make it more palatable for the Watermaster to think about basin management without looking at Rampdown.

The TAC then discussed the relationship between pumping distribution and potential impacts and effectiveness of projects, including the possibility of temporary and/or permanent transfers of groundwater allocations. A framework for transfers has not been developed yet but is something the Watermaster is planning for.

The TAC also asked Dr. Weinberger when the final decision regarding the need for rampdown would be made and how the required volume would be identified if it was necessary. She responded that nothing reported so far indicates a need for rampdown. If rampdown was needed Dudek would complete additional iterative model scenarios to identify the rampdown volume. She also indicated that model output data including hydrographs for wells in the basin and other information would be provided to the TAC before the next regular meeting.

Mr. Taylor asked for public comments on this topic. None were provided.

#### **4. Update on Committee Consultation Review Schedule**

Mr. Taylor went on to discussion of upcoming Committee Consultations. He indicated that the only known consultation was the BOY Study model scenario results and that the presentation included a due date of August 26, 2025 for TAC feedback.

Mr. Loeb confirmed and reported that there were no other upcoming Consultation Requests on his radar.

Mr. Taylor indicated that unless there was something significant, the TAC could skip discussion of the Calleguas ASR study group. Mr. Loeb replied that organization for the study group was occurring and there may be more information coming soon.

Mr. Taylor asked for public comments on upcoming consultations and none were received.

#### **5. Schedule for Completing Committee Consultations and Related Recommendation Reports**

Chad noted that the only item for active TAC consultation was the BOY Study model scenario results. The Watermaster and Dudek indicated data and information from these scenarios would be available early the week of July 21, 2025. He asked TAC members to be prepared to discuss comments and recommendations at the next regular TAC meeting on August 5, 2025.

Dr. Abrams notified the other TAC members that he would not be able to attend the August 5<sup>th</sup> meeting and would also not be able to provide comments beforehand.

Mr. Taylor went on to inform the TAC that comments and recommendations will need to be incorporated into a Recommendation Report for review in the August 19, 2025 regular meeting for submittal to the Watermaster by August 26, 2025. He did not anticipate the need for additional meetings but indicated that special meetings could be scheduled as needed to meet the Watermaster deadline. Comments and recommendations should be prepared in the same tabular formats used for past reviews.

Mr. Taylor asked for public comments on the TAC Recommendation Report schedule; none were provided.

#### **G. Items for Future Agenda**

Mr. Taylor asked TAC members and the public for feedback on items for future TAC meeting agendas and none were received.

## **H. Adjourn**

Chair Taylor thanked Dr. Weinberger again for presenting to the TAC, thanked the TAC members for the productive discussion, and thanked member of the public for attending and made a motion to adjourn the meeting.

**MOTION:** Mr. Taylor moved to adjourn the meeting at 3:41 pm

**SECOND:** Dr. Abrams seconded the motion

**VOTE:** Unanimously approved



## **Attachment 1**

Presentation by Dudek to Las Posas Valley Technical Advisory Committee: LPV Basin Optimization Yield Study – Baseline and Projects Run Results, July 18, 2025



# LPV Watermaster

LPV Basin Optimization Yield Study – Baseline and Projects Run Results

JILL WEINBERGER

**DUDEK**



JULY 2024

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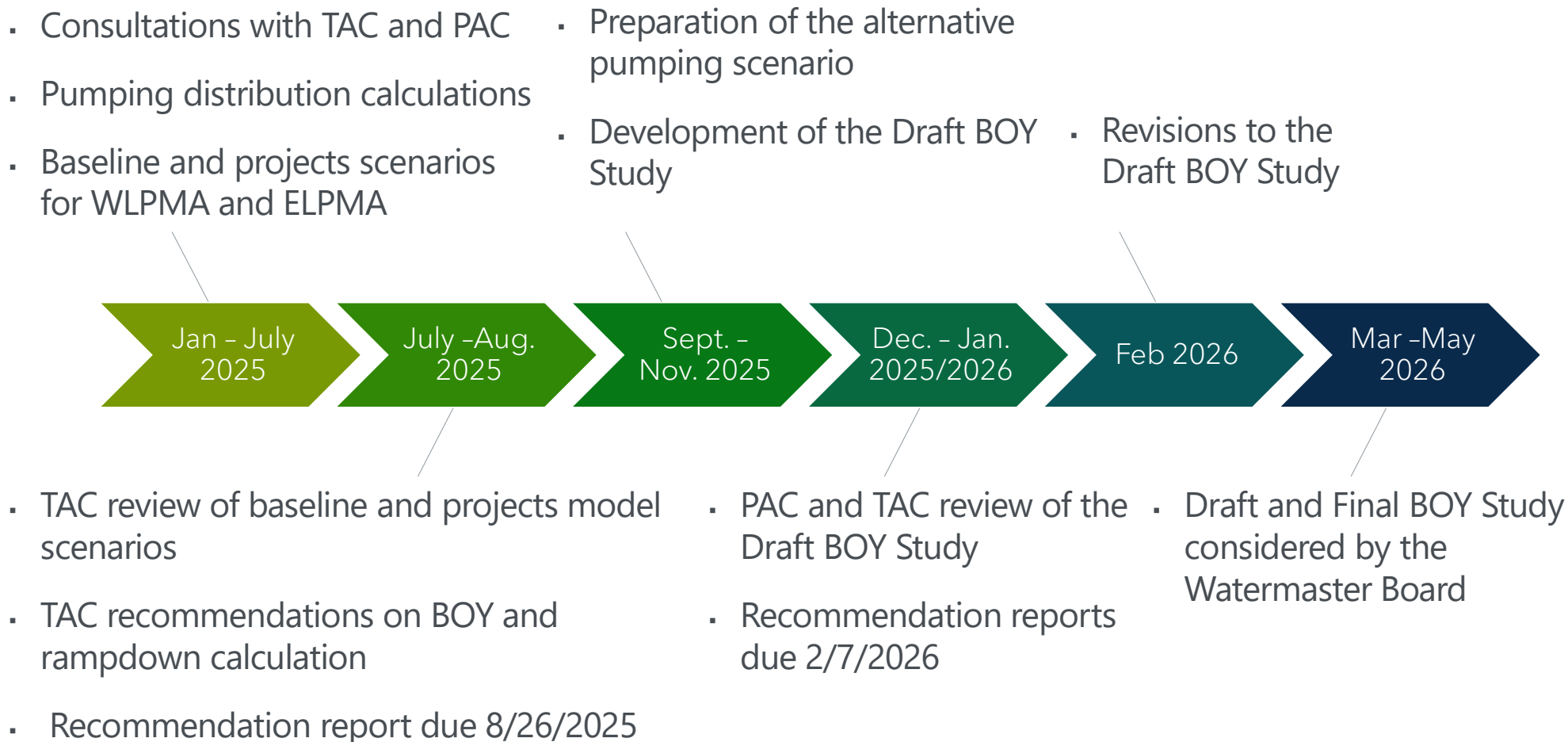
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- 01** LPV Basin Optimization Yield Study  
Background and Schedule
- 02** Model Scenario Pumping Distribution
- 03** Scenario Results
- 04** Next Steps

## LPV Basin Optimization Yield Study Background

- **Objective:** Quantify the Basin Optimization Yield and Rampdown Rate for the LPV Basin
- **Basin Optimization Yield:** the estimated yield that is projected to be available to achieve Sustainable Groundwater Management by 2040. Accounts for water available from:
  - Native inflows
  - Return flows
  - Reasonably anticipated enhanced yield consistent with the Basin Optimization Plan
  - Opportunities for optimization by relocating extraction and transmission of water
- **Rampdown Rate:** Deficit between the then-effective Operating Yield and the Basin Optimization Yield, divided by 15-years (2025 through 2039)
- **Sustainable Groundwater Management:** The management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing Undesirable Results and Consistent with SGMA

## LPV Basin Optimization Yield Study Timeline





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# Baseline Pumping Distribution

Baseline Allocation by Watermaster ID (WMID): 40,000AFY

Determine User Type

**Independent Pumper:**  
Pumps allocation from wells associated with their WMID

For single well  
– assign all allocation to single well

For multiple wells  
– distribute allocation to wells based on % of total pumping for that user in WY2024

**Mutual Water Company Exclusive User:** Receives allocation from the mutual water company and does not pump from wells associated with the WMID

Assign all pumping to the Mutual Water Company Wells with which the WMID is associated

**Hybrid User:** Receives some portion of their allocation from a mutual water company and pumps the rest

Determine the % of the total 2024 WY use delivered by Mutual Water Company and the % Pumped

Distribute allocation to wells based on % of total pumping for that user in WY2024

Assign % of allocation to the MWC

## Baseline Pumping Distribution Limitations

- Water right allocations under the judgment are different from the historical pumping distribution
  - Some wells with historical pumping did not receive allocation
    - Pumping is still occurring, but it's not represented in the model
  - Future pumping is anticipated to differ from the allocation distribution
- Based on a single year of pumping
  - Hybrid user distribution is based on ratio of water delivered to water pumped in WY 2024
  - Distribution of pumping within a WMID is based on ratio of pumping for each well in WY 2024
  - As additional data is collected under the judgment the average distribution of pumping will likely change

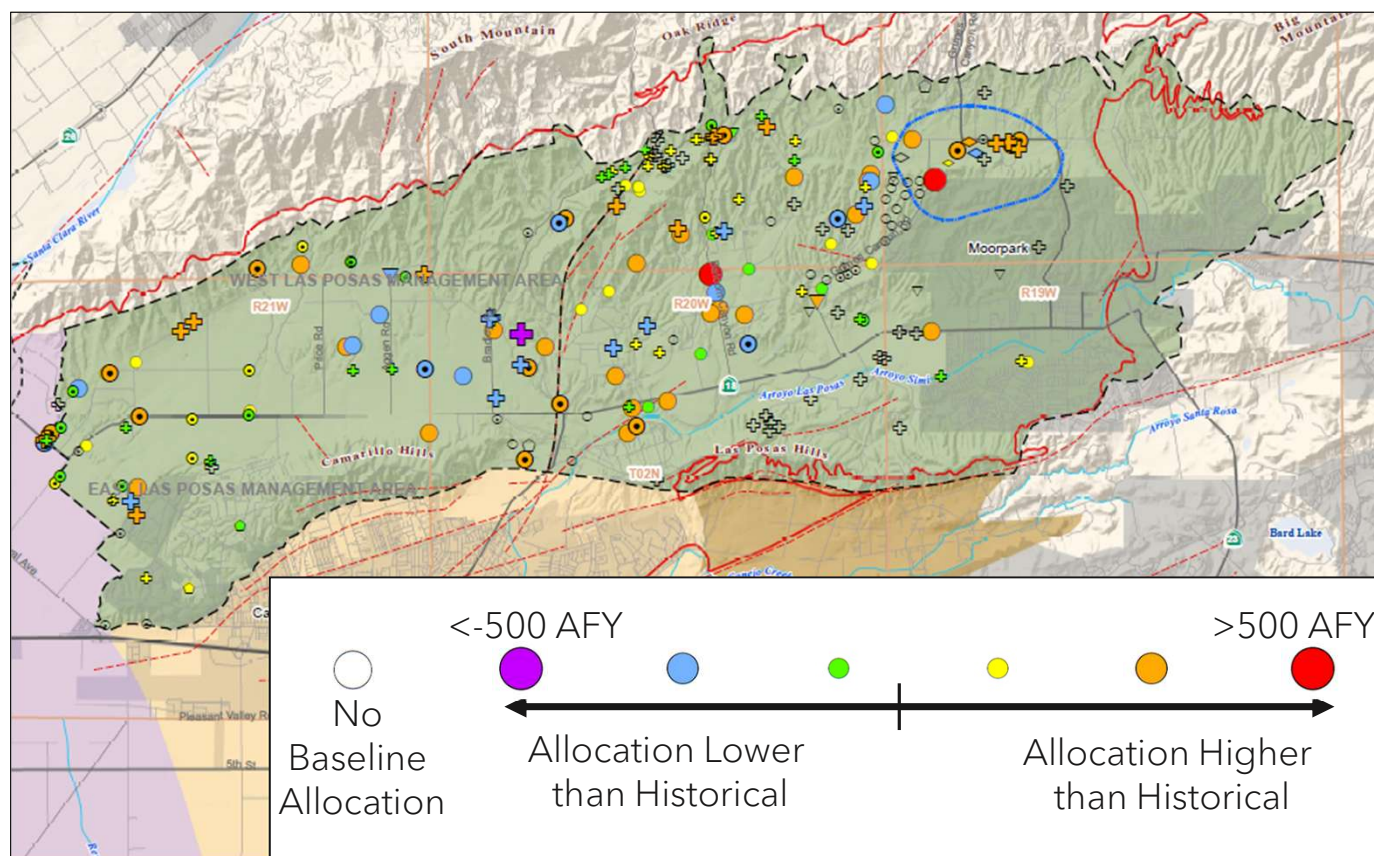


## Baseline Scenario Pumping Distribution

Model	Management Area	Pumping (AFY)	BOY Baseline Total Pumping (AFY)	WY 2024 Pumping (AFY)	PE Baseline Pumping (AFY)
East Las Posas	ELPMA	20,202	21,226	14,924	22,540
	Epworth	1,024			
West Las Posas	WLPMA	18,773	18,773	11,744	13,500
Total			39,999	26,668	36,910

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## Pumping Difference Between Allocation and 5-Year Historical Average



- Overall higher pumping
- WLPMA has more wells with increases >50 AFY over historical pumping

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## Projects Scenario Pumping Distribution

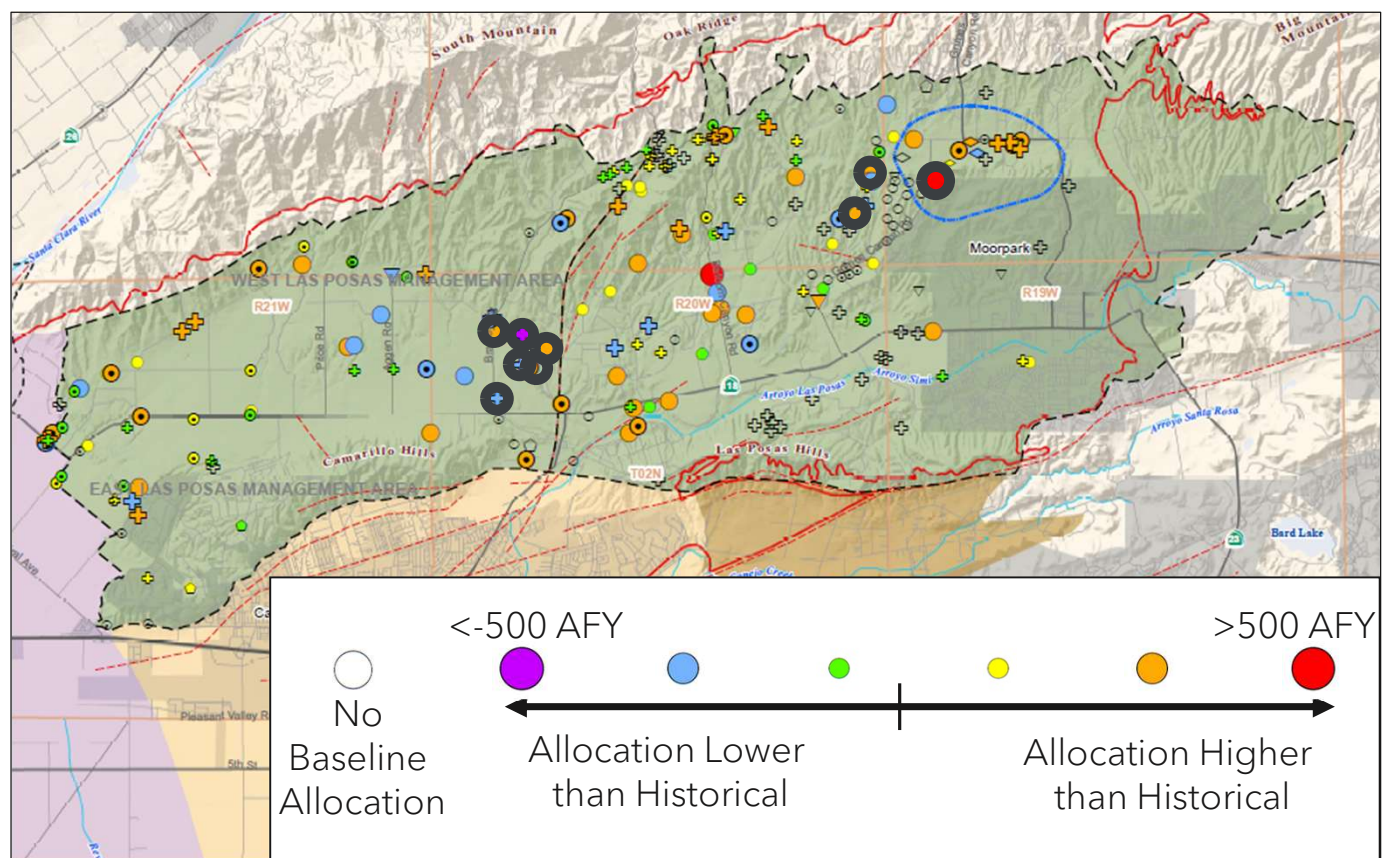
Model	Management Area	Pumping (AFY)	BOY Projects Total Pumping (AFY)	WY 2024
East Las Posas	ELPMA	18,822	19,846	14,924
	Epworth	1,024		
West Las Posas	WLPMA	17,013	17,013	11,744
Total			36,859	26,668

**Projects in WLPMA** – Delivery of 1,760 AFY to Zone Mutual Water Company and Water Works District 19 Wells in lieu of groundwater production

**Projects in ELPMA** – Delivery of 1,380 AFY to Water Works District 1 Wells in lieu of groundwater production

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# Project Scenario Pumping Reduction Wells



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## ■ ELPMA:

03N19W31B01 – VCWWD1

03N20W36G01 – VCWWD1

03N20W36A02 – VCWWD1

## ■ WLPMA:

02N20W07R03 – Zone

02N20W08E01 – Zone

002N20W08F01 – Zone

02N20W08M01 – Zone

02N20W06R01 – VCWWD19

02N20W08B01 – VCWWD19

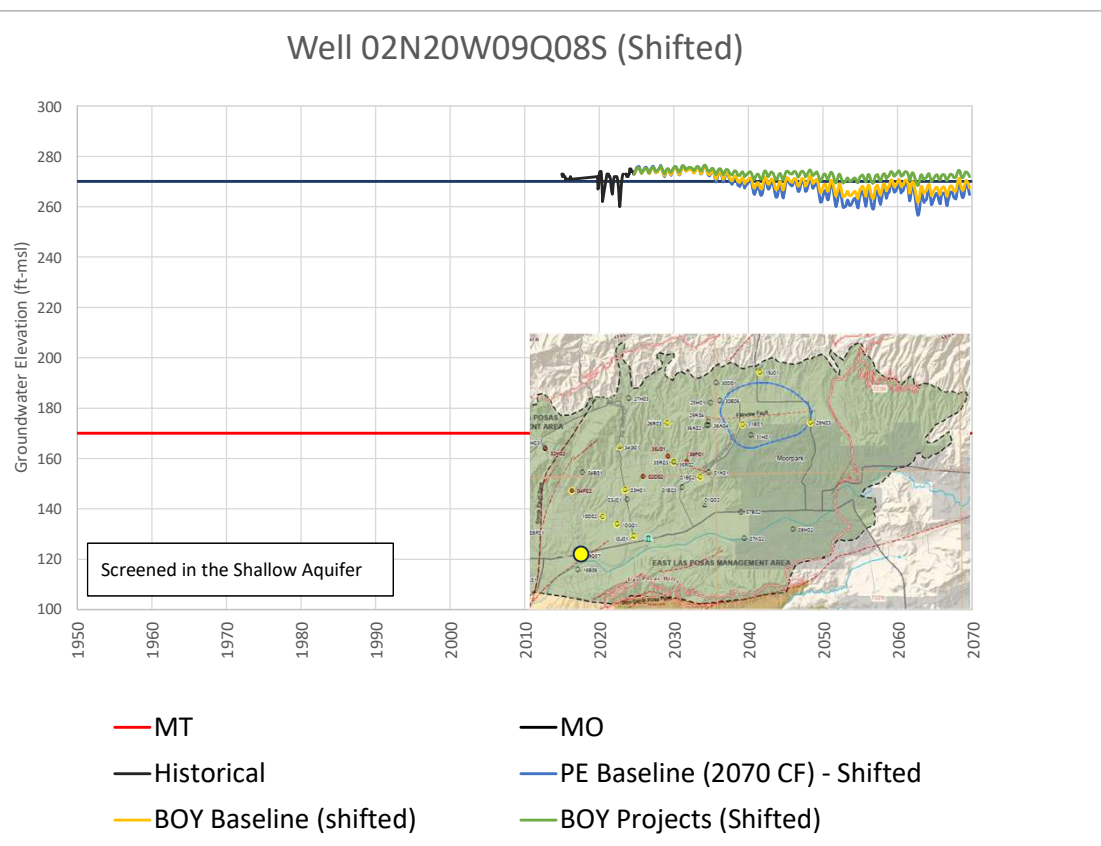
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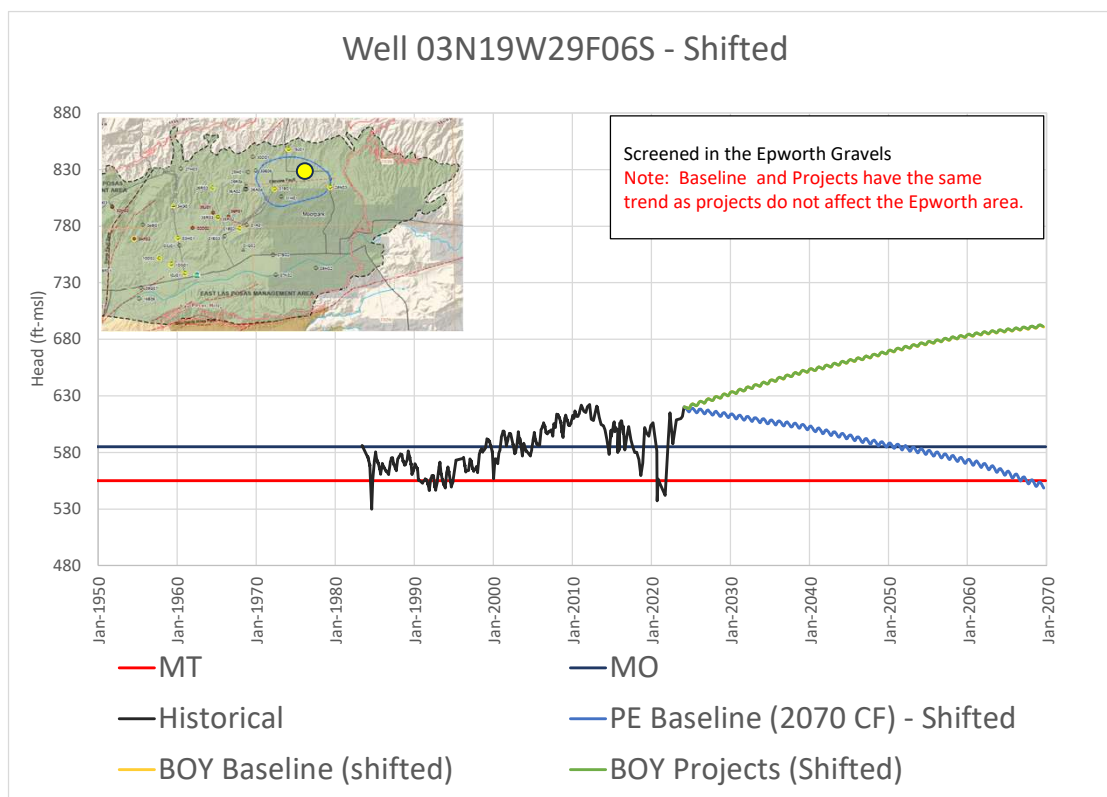
## Groundwater Elevations: Shallow Alluvium (ELPMA)



- **Trend:** Decline from 2020 to 2040. Stabilize after 2040 and remain above the minimum threshold throughout all runs.
- **Minimum Thresholds:**
  - Water levels remain above the minimum thresholds in both key wells in the shallow alluvium.
- **Subsurface outflow to PVB:**
  - 141 AFY – BOY Baseline
  - 149 AFY – BOY Projects

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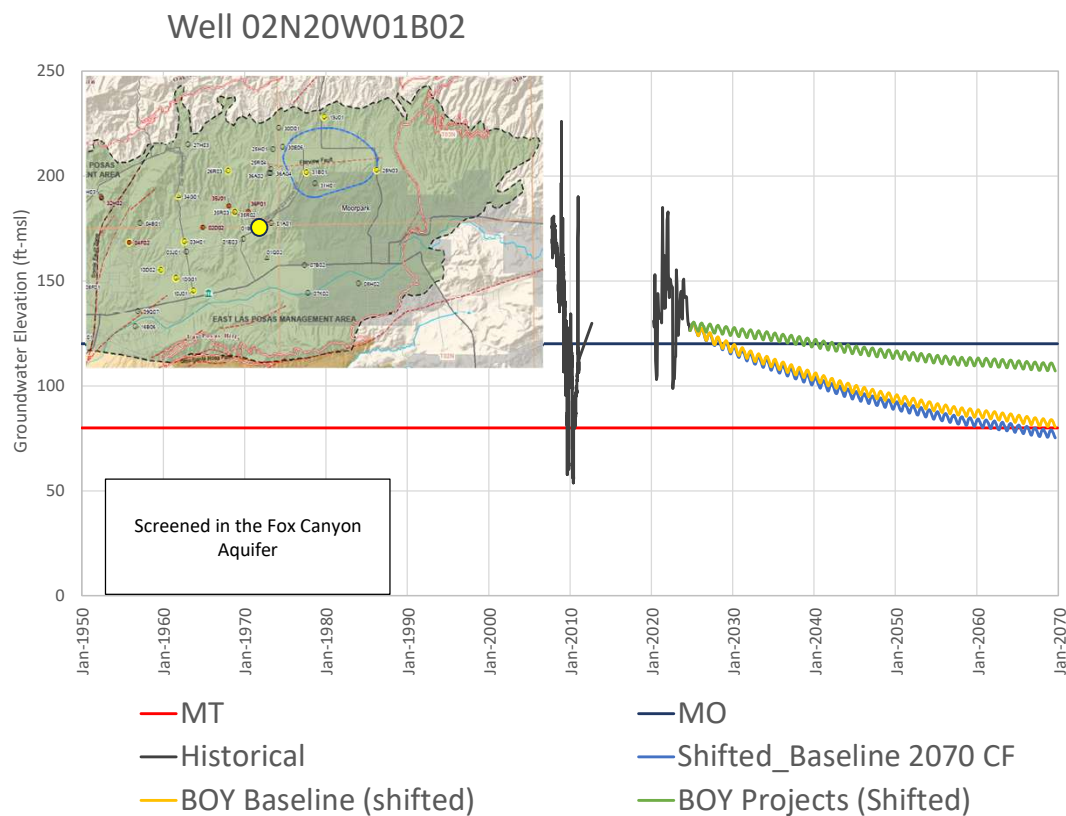
# Groundwater Elevations: Epworth Gravels



- **Trend:** Water levels for both the baseline and projects scenarios increase because simulated pumping is lower than the rate at which water levels stabilize (~1300 AFY)
- The baseline and projects runs produce the same water levels because the project does not impact the Epworth Gravels
- **Minimum Thresholds:**
  - Water levels remain above the minimum thresholds
  - Water levels are not representative of anticipated future conditions

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# Groundwater Elevations: Fox Canyon Aquifer (ELPMA)



## ■ Trend:

- PE Baseline declines more than the BOY Study Baseline.
- BOY Study Projects scenario water levels are higher than the PE Baseline and BOY Study Baseline.

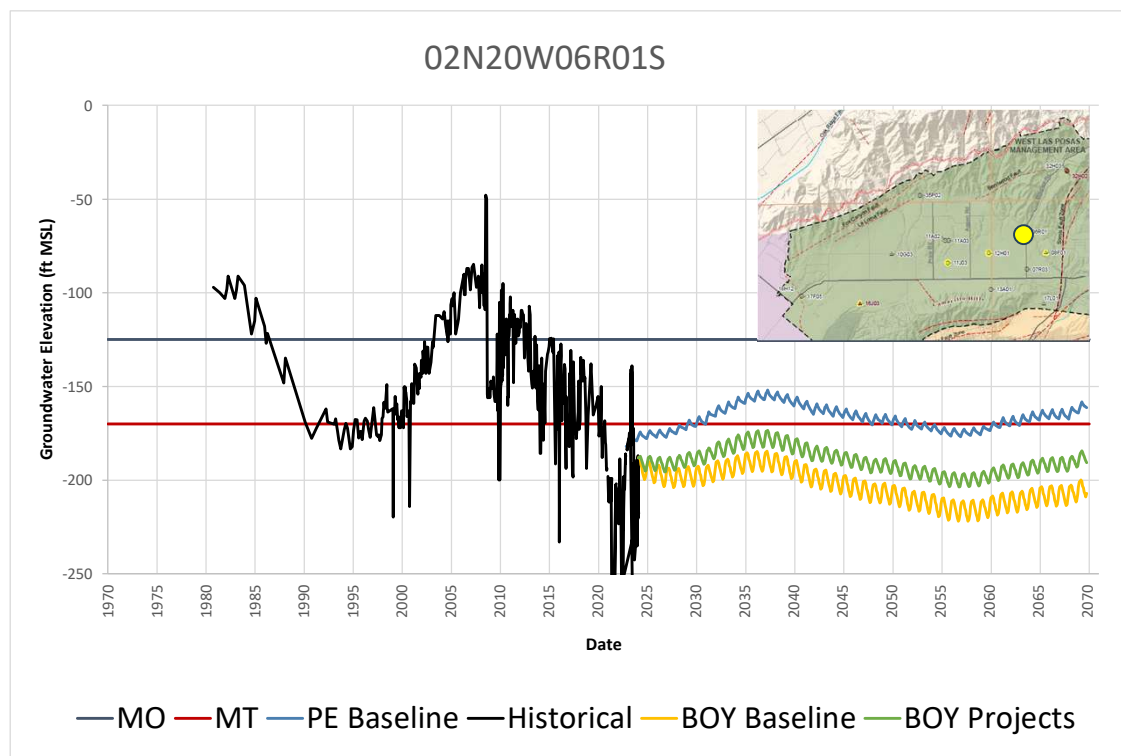
## ■ Minimum Thresholds:

- Water levels remain above the minimum threshold in all key wells for the projects runs.
- Water levels remain above the minimum threshold in 7 of 12 baseline runs

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## Groundwater Elevations: Lower Aquifer System (WLPMA)

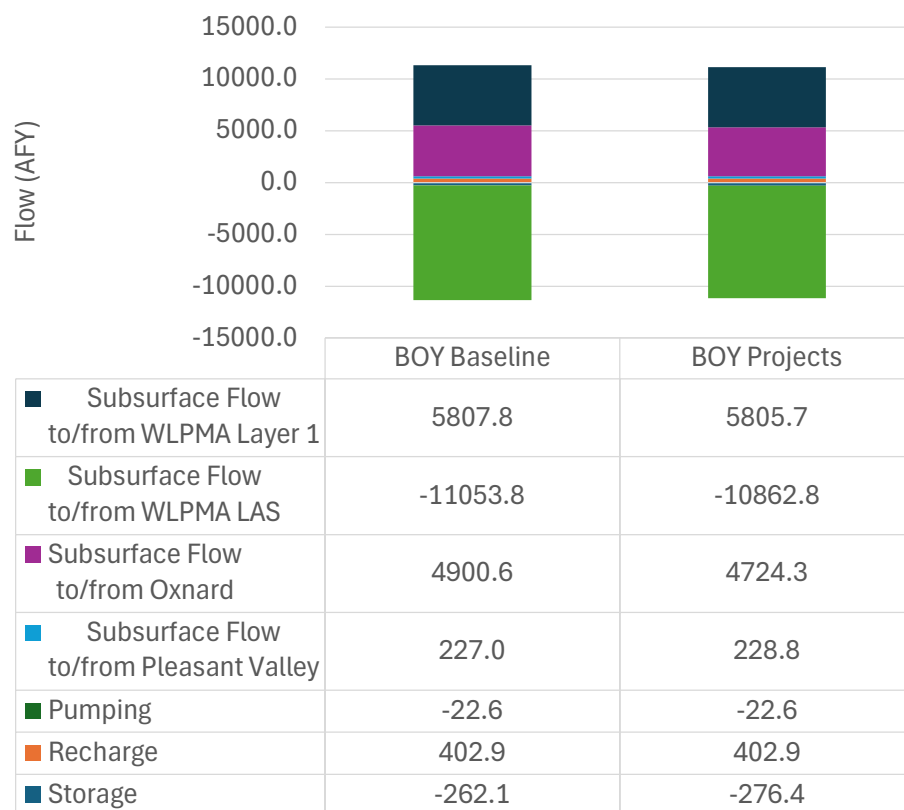


- **Trend:** Simulated water levels are lower than they were for the periodic evaluation baseline because pumping is higher.
  - The final baseline water level is lower than the starting level
  - The final projects water level is similar to, or higher than the starting water level
- Water levels are shifted to most recent measured level
  - The shift does not impact whether the water levels stay above the minimum thresholds

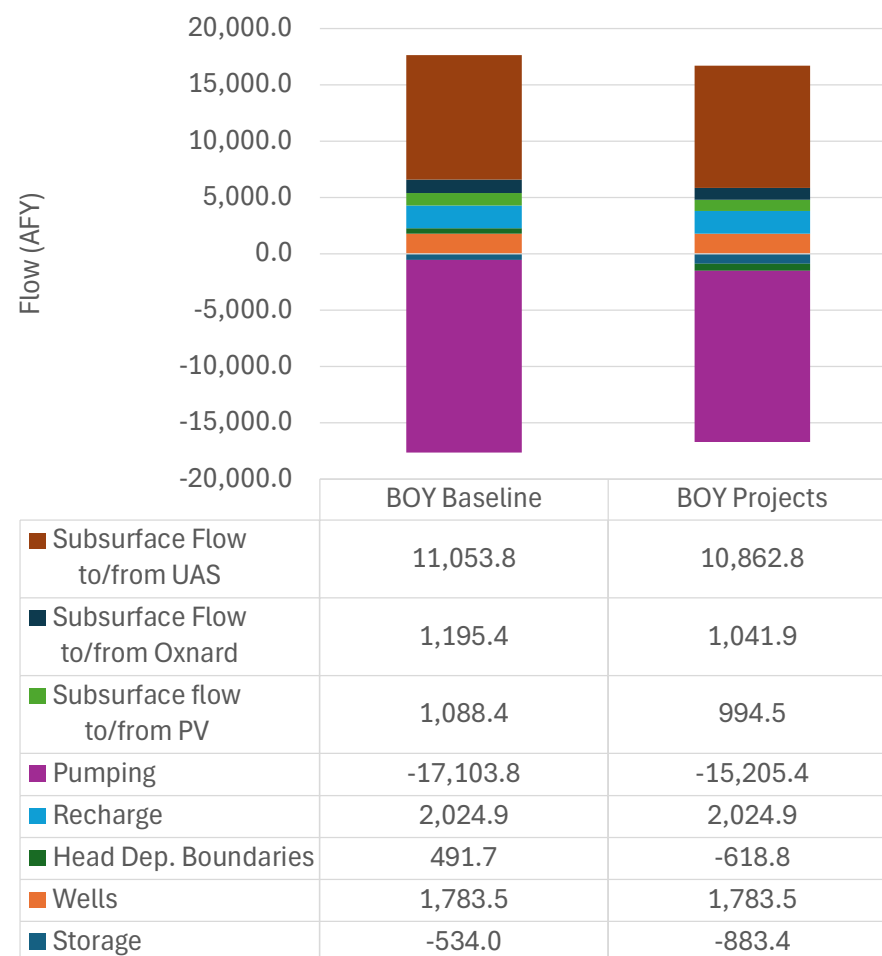
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# Water Budget: WLPMA

Upper Aquifer System: Water Budget Comparison



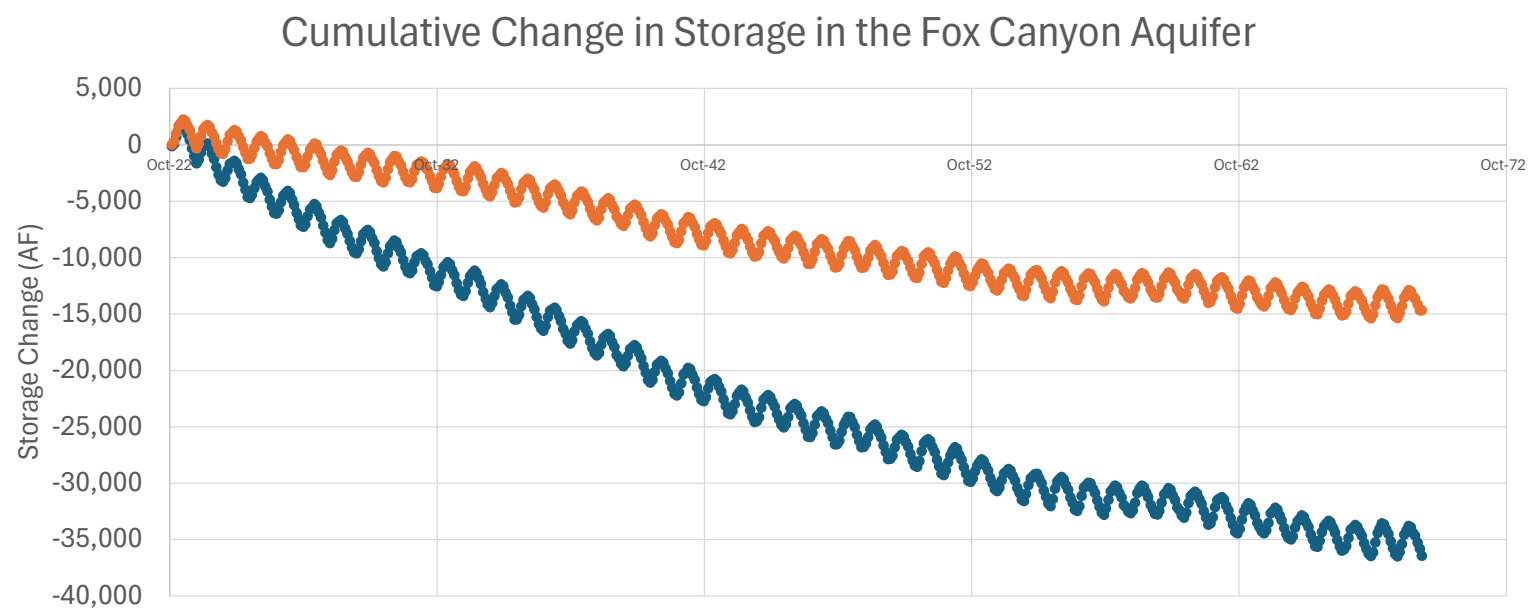
Lower Aquifer System: Water Budget Comparison



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## Water Budget: ELPMA

- Storage loss continues in the ELPMA under both scenarios



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## Evaluate the Basin Optimization Yield

- **Modeling Suggests:**

- Groundwater elevations are likely to remain above the minimum thresholds at most key wells if projects to deliver in-lieu water are implemented in both ELPMA and WLPMA
- Pumping distribution is a key factor in maintaining water levels above the minimum thresholds
- Rampdown is not recommended before the next BOY Study

- **Rampdown:** Reduction in the Operating Yield (cumulative amount of allocated groundwater that may be extracted sustainably in any give water year) that may be imposed to achieve sustainable groundwater management and avoid undesirable results

- **Rampdown Rate:** Deficit between the then-effective Operating Yield (currently 40,000 AFY) and the Basin Optimization Yield, divided by 15-years (2025 through 2039)

- “The 2025 Basin Optimization Yield will establish the Rampdown Rate for the period from Water Year 2025 through Water Year 2039 (subject to modification as a result of the subsequent Basin Optimization Yield Study to be performed in 2030 and again in 2035).” (Judgment Section 4.10.1.4)

## TAC Recommendations

- Watermaster requests TAC recommendations on:
  - The baseline and project model results
    - Well by well pumping, groundwater elevation hydrographs, and water budgets to be provided
  - Alternative pumping scenario
    - Evaluate the impact of re-distributing existing project water
    - Evaluate impact of additional project water
  - Proposed methods for estimating the Basin Optimization Yield if different from 40,000 AFY
- TAC recommendation report due August 26, 2025

# Open Discussion

## **Attachment 2**

**Watermaster Committee Consultation Request: Basin Optimization Yield Study  
Numerical Modeling Results, July 25, 2025**



# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

## LAS POSAS VALLEY WATERMASTER

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### MEMORANDUM

**Date:** July 25, 2025  
**To:** Las Posas Valley Watermaster Technical Advisory Committee  
**From:** Kudzai F. Kaseke, Assistant Groundwater Manager  
**Subject:** Committee Consultation on the Las Posas Valley Basin, Basin Optimization Yield Study Numerical Modeling Results.

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Dear Las Posas Valley Watermaster Technical Advisory Committee (TAC):

Watermaster is submitting this consultation request consistent with TAC's request in its Recommendation Report dated August 27, 2024, and Watermaster's Response Report dated September 19, 2024, regarding numerical groundwater flow modeling conducted for the Basin Optimization Yield Study (BOYS). Specifically, Watermaster is requesting TAC consultation following numerical modeling of the first two scenarios, the Baseline and Projects Scenarios, before conducting the Alternative Pumping Scenarios.

Dudek has completed numerical modeling of the Baseline and Projects Scenarios for both the East Las Posas Management Area (ELPMA) and West Las Posas Management Area (WLPMA) and presented these results to your committee at the July 18, 2025 TAC Special Meeting. Modeling for the ELPMA was conducted using the existing version of the numerical groundwater flow model of the ELPMA developed for Calleguas Municipal Water District and used for the first Periodic Evaluation of the Groundwater Sustainability Study (GSP) for the Las Posas Valley (LPV) Basin. Modeling for the WLPMA was conducted using the version of the numerical groundwater flow model developed by United Water Conservation District used for the first Periodic Evaluation of the GSP of the LPV Basin.

The numerical modeling was conducted consistent with the scope of work approved by the Watermaster Board on October 23, 2024, as modified by the Watermaster Board on June 25, 2025, and the PAC and TAC recommendation reports dated March 31, 2025, and Watermaster response reports dated June 8, 2025, as accepted by the Watermaster Board at the June 25, 2025, meeting.

The results of the numerical modeling of the Baseline and Projects Scenarios for the ELPMA and WLPMA can be accessed at the following link: [BOYS modeling results](#). Included for each scenario are the groundwater production at each well, timeseries of simulated head data at key wells and other locations, and total water budgets for the ELPMA, WLPMA, and boundaries with other basins.

Watermaster requests TAC recommendations on the model results, proposed methods for developing alternative pumping scenarios, and proposed methods for estimating the Basin Optimization Yield. TAC's recommendation report is due by August 26, 2025.

Please contact me at 805 654 2010 or [LPV.Watermaster@ventura.org](mailto:LPV.Watermaster@ventura.org) with any questions or concerns.