

## Wyandotte Creek GSA Advisory Committee (WAC)

**Date:** Thursday, June 4, 2026

**Time:** 9:00-11:00 AM

**Location:** Butte County Department of Public Health  
202 Mira Loma Drive, Truckee Room, Oroville, CA 95965

### MEETING AGENDA

**1. Call To Order and Roll Call**

**2. Business from the Floor**

The public and WAC members will have an opportunity to comment on items not on the agenda and that are relevant to the WAC. Committee members and Management Committee staff are not required to respond to any issues raised during the public comment period. Commenters are asked to respect differing perspectives and to keep remarks within three minutes.

**3. \*Groundwater Levels Sustainable Management Criteria**

The Wyandotte Creek Advisory Committee (WAC) will receive a presentation on proposed amendments to the Groundwater Level (GWL) Sustainable Management Criteria (SMC) for the Wyandotte Creek Subbasin. The presentation will summarize the proposed approach for establishing Measurable Objectives (MOs) and Interim Milestones (IMs) for groundwater levels as part of the Groundwater Sustainability Plan (GSP) Periodic Evaluation and Plan Amendments. The proposed amendment would establish MOs based on the average groundwater levels observed between October 1, 2015, and September 30, 2025, and set IMs equal to the respective MO. This item follows prior Board action related to Groundwater Level Minimum Thresholds (MTs). **(Report – Becky Fairbanks, SGM Grant Project Manager & Ryan Fulton, Larry Walker Associates)**

**Requested Action:**

- 1. Review and Provide a Recommendation to the Board Regarding a proposed amendment to the Groundwater Level Measurable Objectives (MOs)** to establish MOs equal to the average groundwater levels observed between October 1, 2015, and September 30, 2025.
- 2. Review and Provide a Recommendation to the Board Regarding a proposed amendment to the Groundwater Level Interim Milestones (IMs)** to establish IMs equal to the respective Measurable Objective (MO).

**4. GSA PROGRAM MANAGER REPORT** *(Report – Dillon McGregor, GSA Program Manager)*

**5. ADJOURNMENT:**

The Committee will adjourn to their next meeting on Thursday, August 6th, 2026

\*Materials included in agenda packet

## Wyandotte Creek GSA Advisory Committee (WAC)

**Date:** Thursday, November 6, 2025

**Time:** 9:00-11:00 AM

**Location:** Butte County Environmental Health,  
202 Mira Loma Dr, Klamath Room, Oroville, CA 95965

### **MEETING MINUTES**

#### **1. CALL TO ORDER AND ROLL CALL**

**Advisory Committee Members Present:** Loni Lind, Duke Sherwood, Jace Rash, Joe Gleason, Skipper Clark.

**Staff Present:** Dillon McGregor, GSA Program Manager; Becky Fairbanks, SGM Grant Projects Manager; Kamie Loeser, Butte County.

#### **2. BUSINESS FROM THE FLOOR**

**Public Comments:** None

#### **3. \*REVIEW AND APPROVE BY CONSENSUS THE 10-2-25 WAC MEETING MINUTES**

**Requested Action:** Approve the meeting minutes.

The advisory committee could not approve minutes as there was no quorum.

#### **4. \*PRESENTATION ON GROUNDWATER LEVELS** (*Report – Becky Fairbanks, SGM Grant Project Manager & Laura Foglia, Larry Walker Associates*)

**Action:** Members present recommended approving the amendments to the undesirable result definition and groundwater level RMS network and zones. WAC recommended using the 5th percentile to update MTs to minimize risks to domestic wells and potential mitigation costs.

#### **5. \*INTRODUCTION TO UPDATED WYANDOTTE CREEK GSA FEE STUDY** (*Report – Catherine Hansford, Hansford Economic Consulting and Schaelene Rollins, Rollins PR Consulting*)

**Requested Action:** Members present supported adoption of a regulatory fee rather than a property-related fee provided there are 'guard rails and a 2-Part fee structure with Part 1 fee being a Parcel Fee. One member expressed concerns that domestic users paying proportionately too much as they don't use much groundwater.

#### **6. GSA PROGRAM MANAGER REPORT** (*Report – Dillon McGregor, GSA Program Manager*)

The Program Manager updated the Advisory Committee on the potential for additional Board and WAC meetings because of the Fee Study. They also informed them of the upcoming GSP Public Stakeholder Meeting on November 12<sup>th</sup>.

**7. ADJOURNMENT:**

The Committee adjourned to the next scheduled meeting on Thursday, December 4th, 2025

\*Materials included in agenda packet

## TECHNICAL MEMORANDUM

To: Wyandotte Creek GSA  
From: Larry Walker Associates  
Date: June 4, 2026  
Subject: Wyandotte Creek Subbasin: Monitoring Network and GSP SMC Updates

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### **1 Background**

The Wyandotte Creek Groundwater Sustainability Agency (GSA) groundwater monitoring network was established to ensure that all beneficial users, including domestic users, agricultural users, and groundwater dependent ecosystems (GDEs), can continue to sustainably benefit from groundwater resources in the future. In September of 2023, the GSA received a grant to enhance their monitoring network and fill data gaps. The grant funded the installation of five monitoring wells and five stream gages and several other projects, studies, and other data collection efforts resulting in the draft 2027 Periodic Evaluation and the amended GSP.

### **2 Monitoring Network Update**

The new wells and stream gages that were installed under the grant were placed in strategic locations to fill data gaps, quantify project benefits, enable monitoring of interconnected surface waters (ISW), and collect data on possible groundwater dependent ecosystems (GDEs). The new wells and stream gages are shown on Figure 1.

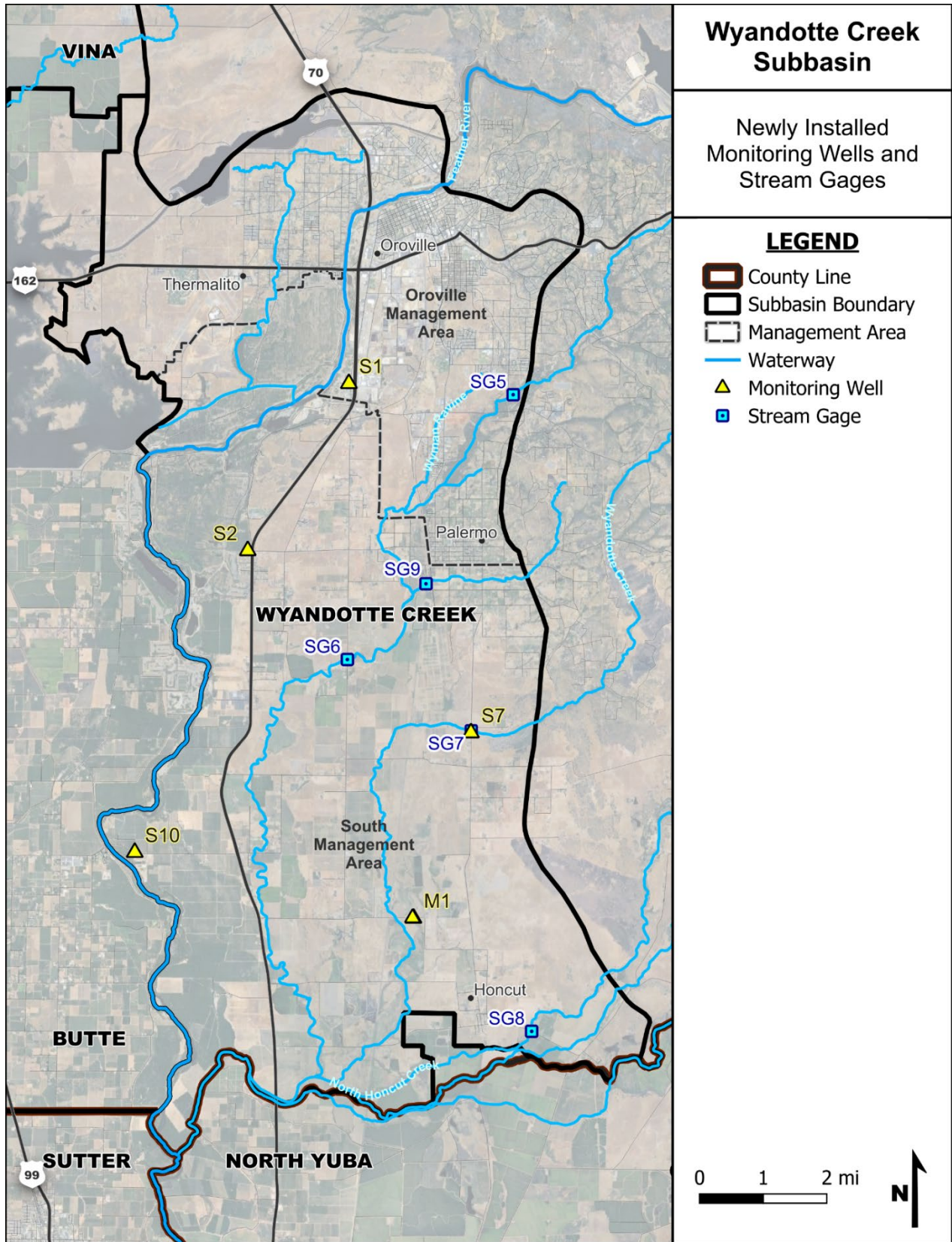


Figure 1. Map of new monitoring wells and stream gages.

### 3 Sustainable Management Criteria Update

Updated sustainable management criteria (SMC), including Minimum Thresholds (MTs), Measurable Objectives (MOs), and Interim Milestones (IMs), were developed for the draft amended GSP. The methodology and results for the new MTs have been reviewed and approved by the Wyandotte Creek Board of Directors, but the MOs and IMs have not been approved yet.

MOs and IMs in the 2022 GSP were set under the assumption that groundwater levels were trending downward. In each RMS well, a downward trend based on dry-year cycles was identified and projected out to 2030, the water level at which would be the new 'baseline' water level. The year 2030 was chosen to allow time for the GSA to take steps towards implementing projects and management actions as needed. The MO was set to the projected water level in 2030.

Data collected in recent years suggests that groundwater levels in the Subbasin are stable. In most RMS wells in the Subbasin since 2015, permanent declines in groundwater levels have not been observed, recovering after droughts in 2014/15 and 2021/22. To reflect these conditions, MOs and IMs should be changed to the following:

- MOs set equal to the average groundwater level observed between October 1, 2015, and September 30, 2025.
- IMs are equal to the respective MO.

The updated SMC, including MTs approved previously, are shown in Table 1.

*Table 1. Amended SMC for the updated groundwater level RMS network.*

RMS Well ID	MT	MO	IM		
			2027	2032	2037
<b>Wyandotte Creek Subbasin – Oroville Management Area</b>					
16Q001M	108	<b>139</b>	139	139	139
32P001M	88.8	<b>128</b>	128	128	128
PWS-03	94	<b>131</b>	131	131	131
<b>Wyandotte Creek Subbasin – South Management Area</b>					
13B002M	11	<b>58</b>	58	58	58
22B001M	29.8	<b>89</b>	89	89	89
25N001M	25	<b>61</b>	61	61	61
19D003M	33.2	<b>72</b>	72	72	72
08M001M	56.1	<b>105</b>	105	105	105
16C001M	70	<b>106</b>	106	106	106
31F001M	88.1	<b>124</b>	124	124	124

## **4 Requested Recommendations**





Recommend the amended methodology and values for the groundwater level MOs and IMs.

- MOs set equal to the average groundwater level observed between October 1, 2015, and September 30, 2025.
- IMs are equal to the respective MO.

June 4, 2026

## Wyandotte Creek Subbasin: Monitoring Network and GSP SMC Updates


Prepared by:  
The LWA Team in coordination with the Wyandotte Creek GSA  
Funding provided by the California Department of Water Resources

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## Agenda

- Additions to Monitoring Networks
  - Monitoring Wells
  - Stream Gages
- Measurable Objectives (MOs) and Interim Milestones (IMs)
- Timeline
- **Request for Feedback**



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# Requested WAC Recommendations

1. Recommend the updated MOs and IMs.

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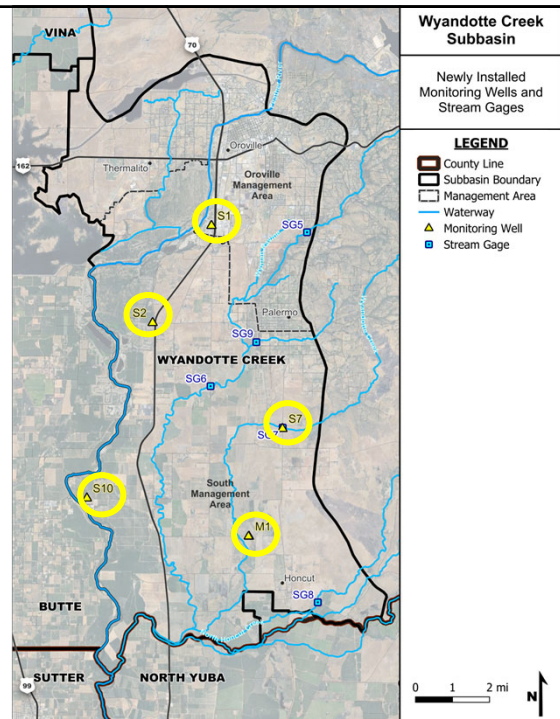
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## New Monitoring Wells

- Five wells were installed in March 2026 to fill data gaps in the groundwater level, interconnected surface water (ISW), & water quality monitoring networks.

ID	Nearby Stream	Completions	Aquifer	Latitude	Longitude
M1	Wyandotte Creek	3	Shallow and Deep	39.3506	-121.556
S1	Feather River	2	Shallow	39.4720	-121.578
S2	Feather River	2	Shallow	39.4336	-121.606
S7	Wyandotte Creek	2	Shallow	39.3930	-121.540
S10	Feather River	2	Shallow	39.3645	-121.638

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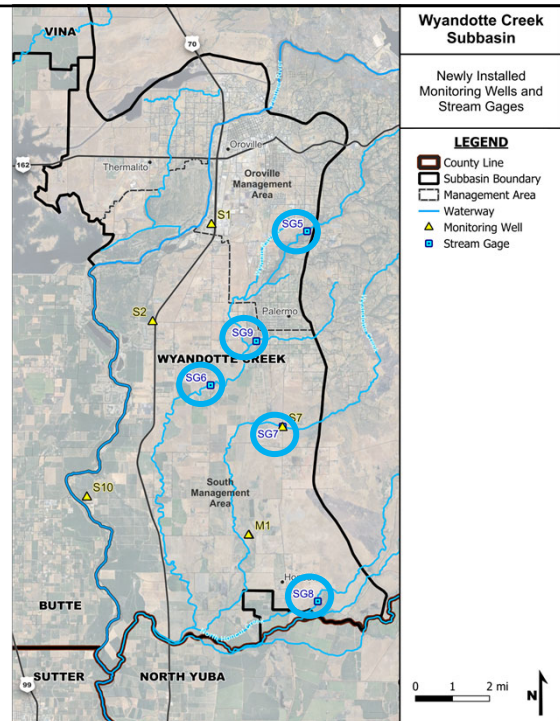


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## New Stream Gages

- Five stream gages were installed in March 2026 to fill data gaps in the ISW monitoring network and to support PMA implementation.

ID	Stream	Latitude	Longitude
SG5	Wyman Ravine	39.4701	-121.529
SG6	Wyman Ravine	39.4092	-121.577
SG7	Wyandotte Creek	39.3935	-121.540
SG8	North Honcut Creek	39.3253	-121.521
SG9	Wyman Ravine	39.4267	-121.554



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## Groundwater Level Sustainable Management Criteria

- In previous meetings**, we've discussed the rationale and process behind the updates to the Minimum Thresholds (MTs). Measurable Objectives (MOs) and Interim Milestones (IMs) have not yet been discussed.
- In the 2022 GSP**, the MO and IMs for groundwater level were based on the groundwater trend line of the RMS well for the dry periods (since 2000) of observed short-term climatic cycles extended to 2030.
- Problem:** Groundwater levels have **not** shown a strong downward trend even during droughts in the Subbasin.



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## Groundwater Level Sustainable Management Criteria: Updated MOs and IMs

- To be more reflective of actual conditions, consider the following:

### ***Amended Measurable Objective (MO):***

Calculated as the average groundwater level recorded at the well from  
10/1/2015 through 9/30/2025

### ***Amended Interim Milestone (IM):***

Set to be equal to the MO, since groundwater levels are stable

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## Groundwater Level Sustainable Management Criteria: Updated MOs and IMs

RMS Well ID	Domestic Well Count	Well Type	MT (amended)	MO	IM		
					2027	2032	2037
<b>Wyandotte Creek Subbasin – Oroville Management Area</b>							
16Q001M	41	Shallow	108	<b>139</b>	139	139	139
32P001M	64	Shallow	88.8	<b>128</b>	128	128	128
PWS-03	1	Shallow	94.0	<b>131</b>	131	131	131
<b>Wyandotte Creek Subbasin – South Management Area</b>							
13B002M	14	Deep	11.0	<b>58</b>	58	58	58
22B001M	32	Shallow	29.8	<b>89</b>	89	89	89
25N001M	23	Shallow	25.0	<b>61</b>	61	61	61
19D003M	59	Shallow	33.2	<b>72</b>	72	72	72
08M001M	74	Deep	56.1	<b>105</b>	105	105	105
16C001M	74	Both	70.0	<b>106</b>	106	106	106
31F001M	48	Shallow	88.1	<b>124</b>	124	124	124

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## Requested WAC Recommendations

1. Recommend the updated MOs and IMs.

## Periodic Evaluation and Plan Amendment Timeline

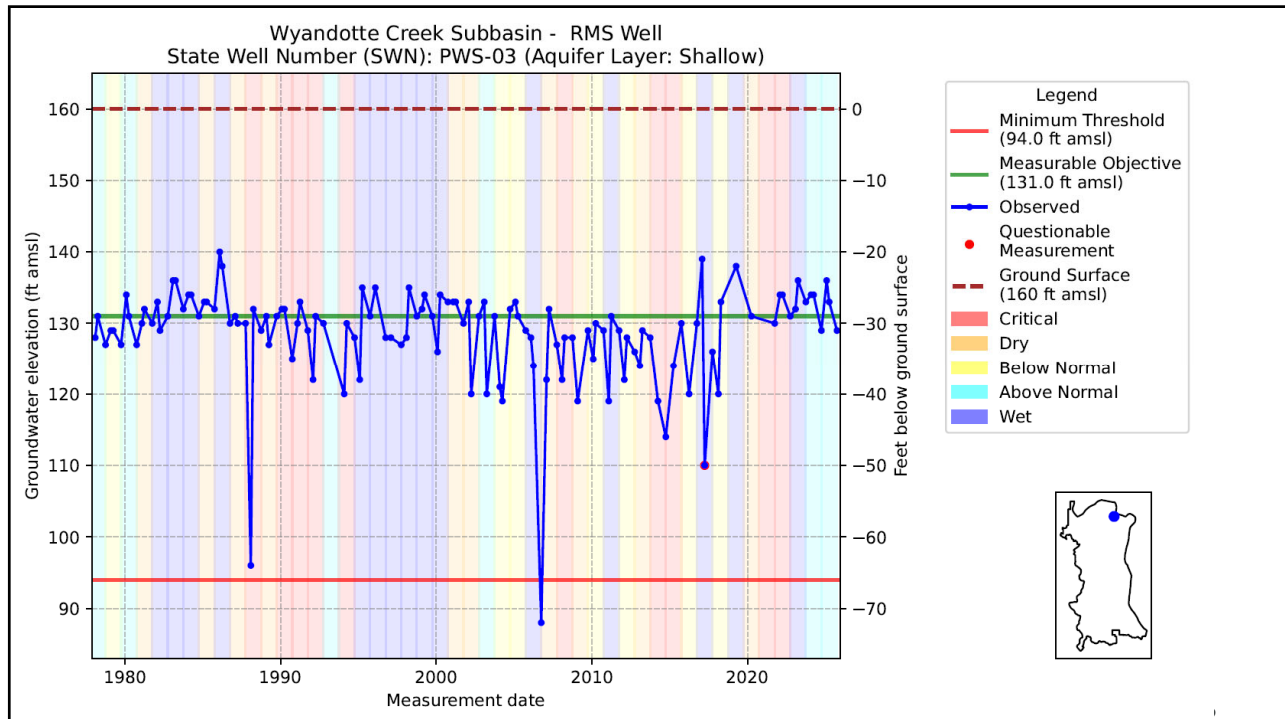
- 2026 August** – Post draft Periodic Evaluation and Plan Amendments for public comments to allow for 45-day comment period
- 2026 November**– Review public comments and finalize Periodic Evaluation and Plan Amendments; to be adopted by BOD
- 2027 January** – GSP Periodic Evaluation and Plan Amendments are due to DWR (must address DWR's Recommended Corrective Actions - show progress)

Critical Dates for the Wyandotte Creek Groundwater Subbasin	
2022	By January 31, submit GSP to Department of Water Resources (DWR)
<b>2027</b>	Evaluate GSP and amend
2032	Evaluate GSP and amend, if warranted
2037	Evaluate GSP and amend, if warranted
2042	Achieve sustainability for the Wyandotte Creek Subbasin

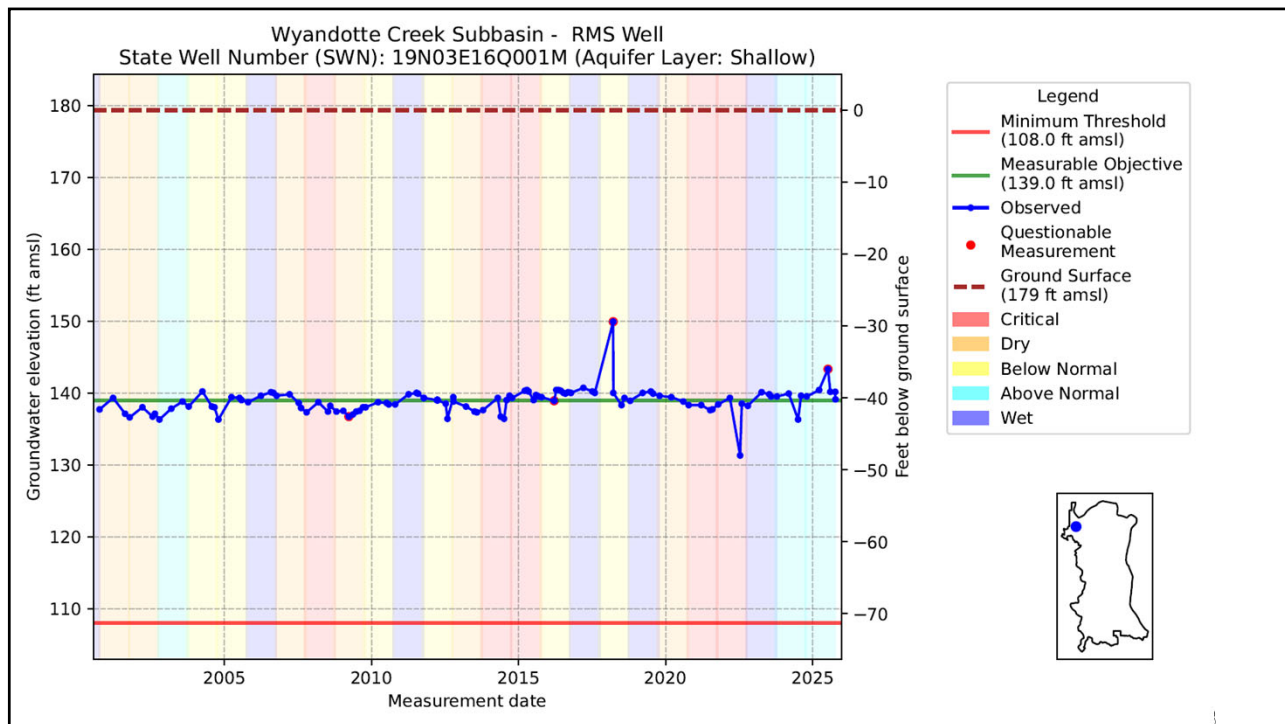
# Thank You

**lwa**  
LARRY WALKER  
ASSOCIATES

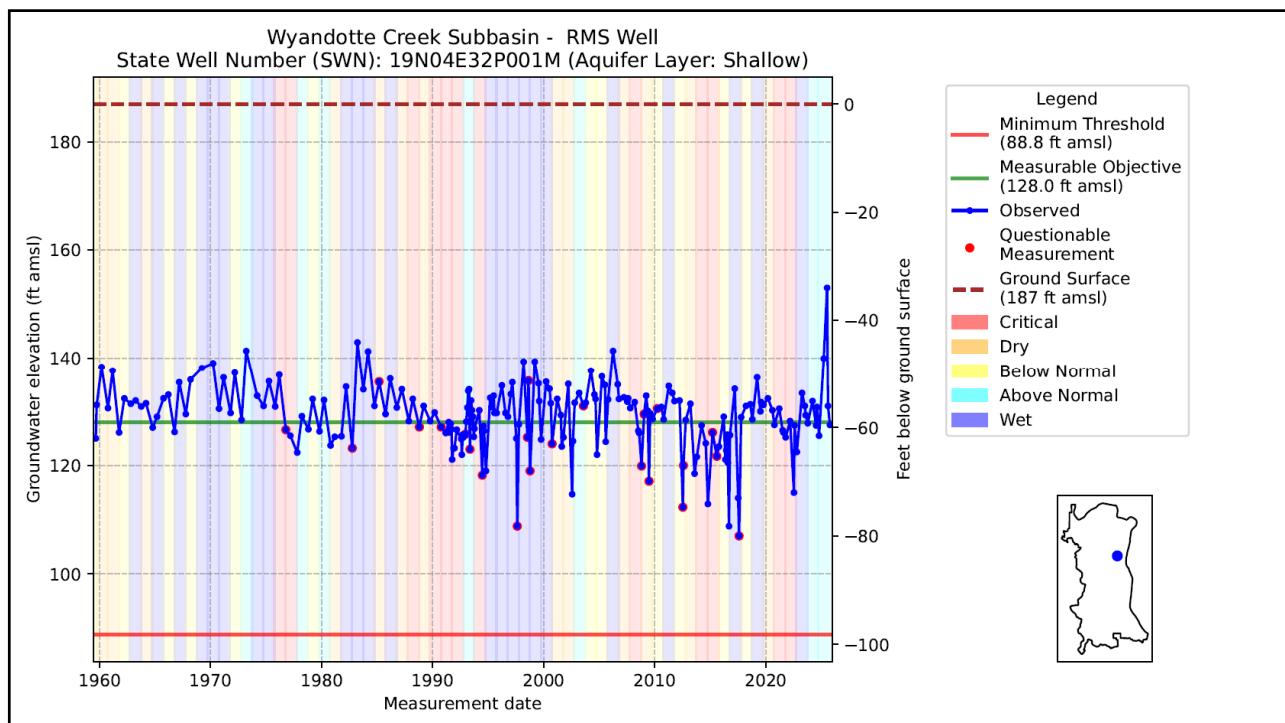
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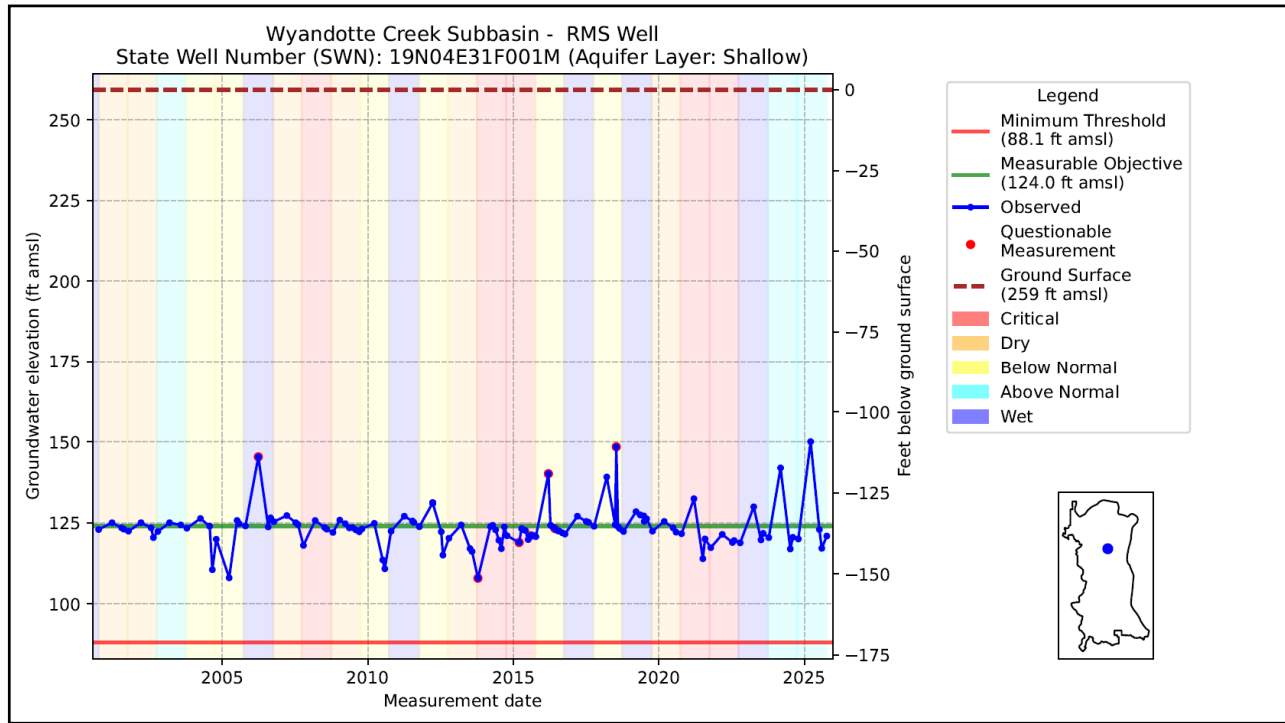
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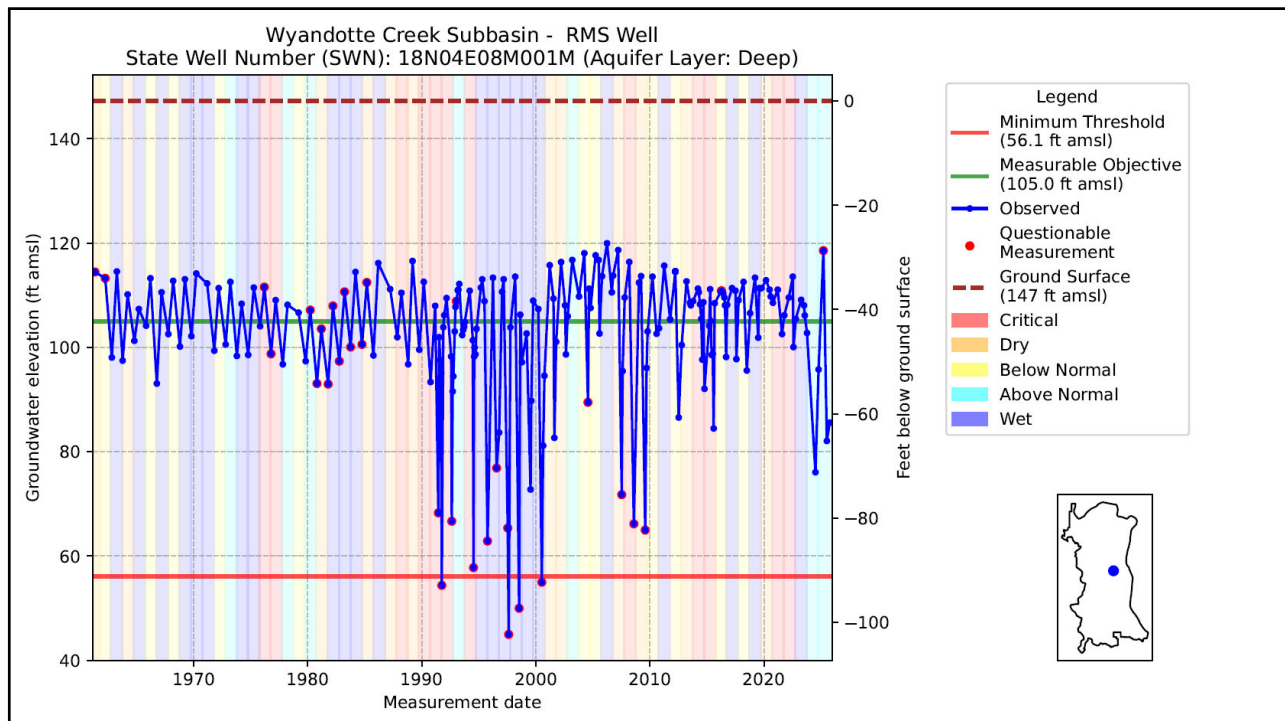
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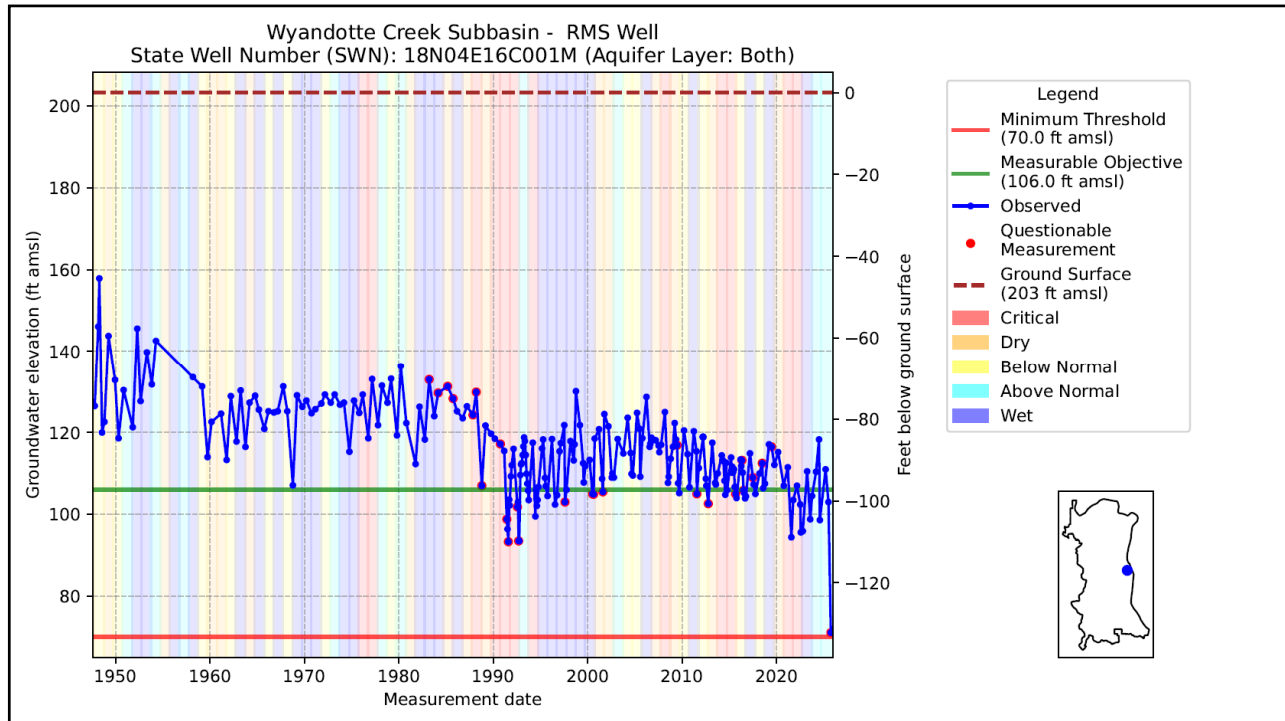
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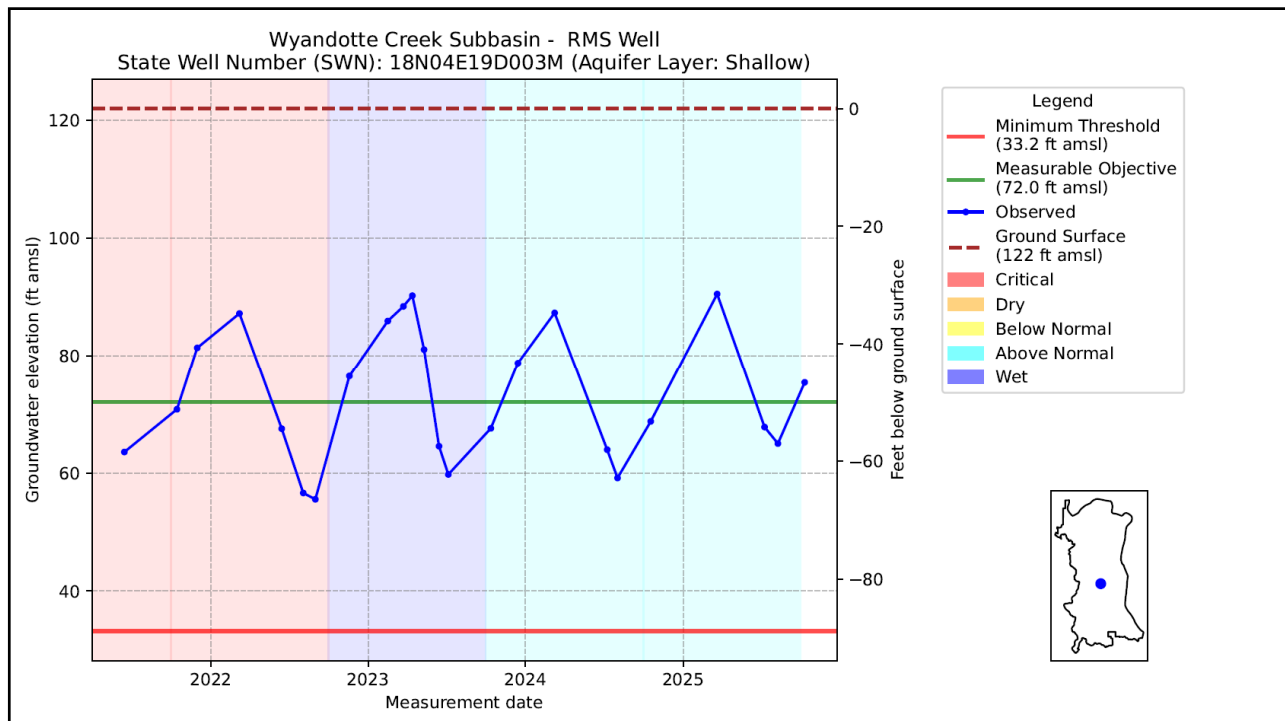
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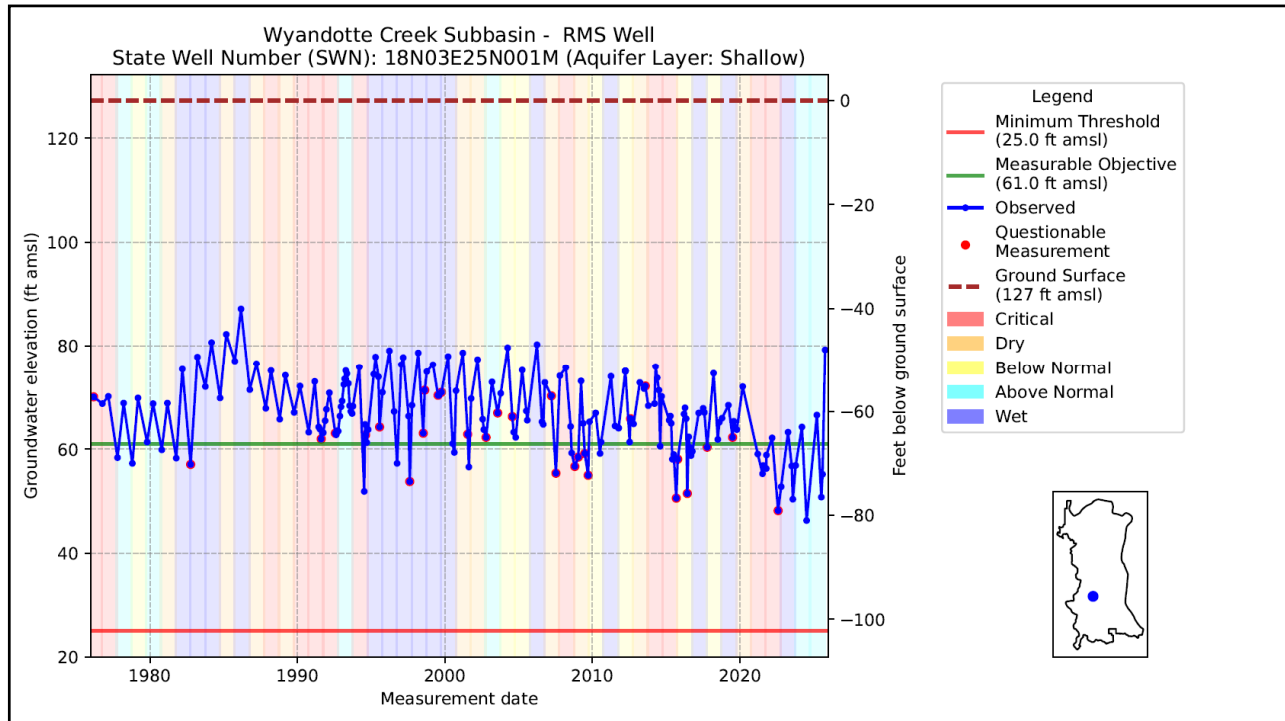
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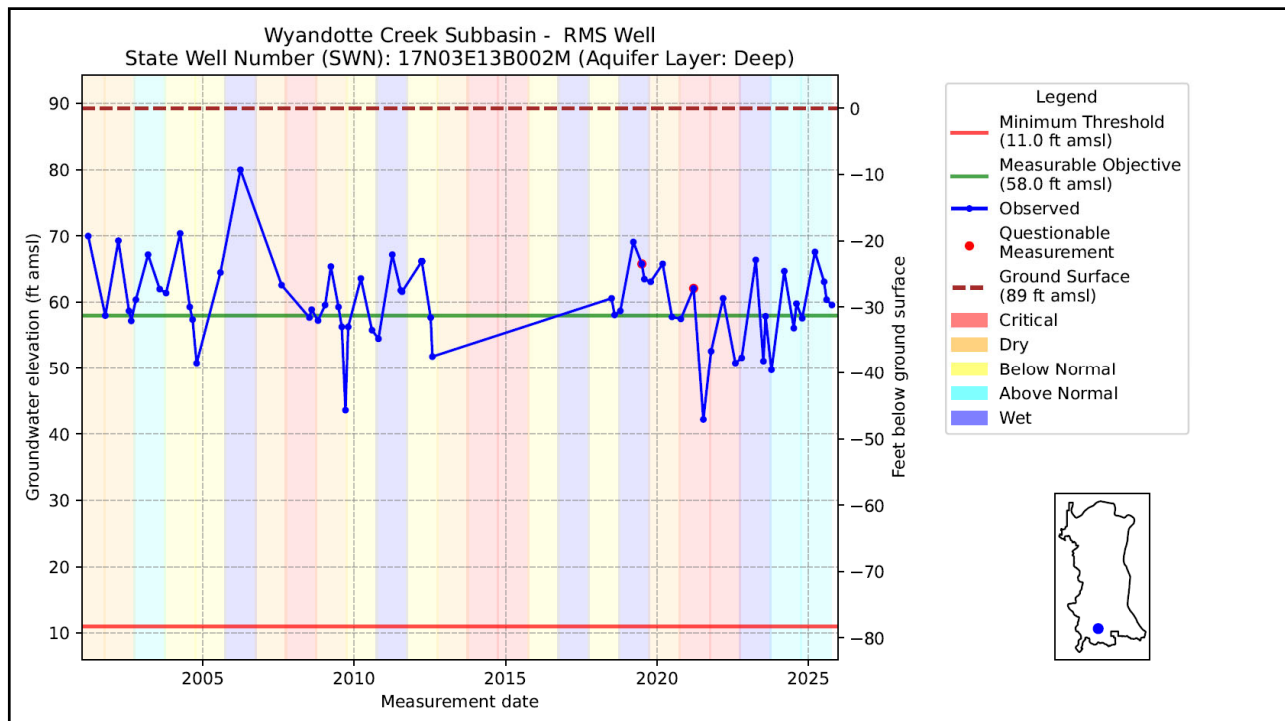
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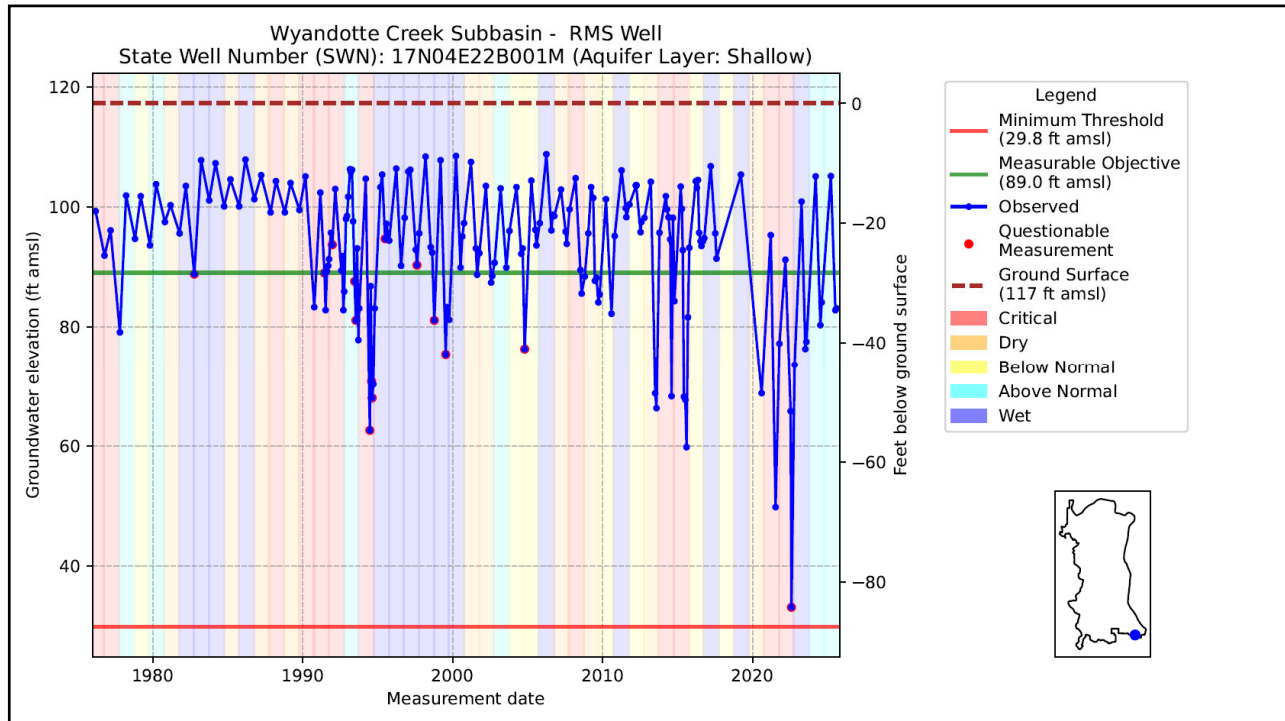
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## Summary of DWR Recommended Corrective Actions and Amendments

Determination Letter Page No.	GSP Section No.	GSP Section	Recommended Corrective Action (RCA)	Amendment Description
39	2.2.4.2	Basin Setting - Groundwater Quality	<b>RCA 1a:</b> Provide additional information in the GSP outlining the location and extent of contamination plumes, identifying which constituents are being monitored under various programs, and thoroughly describing ongoing remediation efforts within the Subbasin.	Explicitly listed and described all existing contamination sites and the corresponding responsible agency and/or mitigation program.
40	2.2.4.1	Basin Setting - Groundwater Quality	<b>RCA 1b:</b> Evaluate whether groundwater management actions, including production and/or replenishment under the jurisdiction of the GSA, may influence the migration of contaminant plumes.	Evaluation of water quality data did not reveal significant impacts from pumping; the GSA is currently working on a handout to give to project partners that highlights locations in the Subbasin with water quality problems that could impact project feasibility.
40	2.2.4.1	Basin Setting - Groundwater Quality	<b>RCA 1c:</b> Investigate if groundwater quality issues are adversely impacting groundwater supply and beneficial uses and provide information if there are any mitigation programs in place and the effectiveness of such programs.	Evaluation of water quality data did not reveal significant impacts from pumping; existing contamination sites with corresponding mitigation program were listed and described.
40	2.2.4.1	Basin Setting - Groundwater Quality	<b>RCA 1d:</b> Coordinate with the lead agencies overseeing these remediation sites regularly and update the Plan stating how existing groundwater quality conditions and/or remediation efforts may impact the GSA's ability to manage groundwater.	Updated description of coordination efforts regarding water quality.

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## Summary of DWR Recommended Corrective Actions and Amendments (cont'd)

Determination Letter Page No.	GSP Section No.	GSP Section	Recommended Corrective Action (RCA)	Amendment Description
40	3.3.1	Sustainable Management Criteria - Groundwater Levels - Undesirable Result	<b>RCA 2a:</b> Revise the definition of undesirable results and language pertaining to significant and unreasonable lowering of groundwater level to remove the non-dry year condition or discuss how extractions and recharge will be managed as necessary to ensure that reductions in groundwater levels or storage during dry years are offset by increases in groundwater levels or storage during other years within the sustainable management criteria for the chronic lowering of groundwater levels.	The definition of undesirable results was updated to remove the non-dry year condition; PMAs were also updated (5.2.4) to describe benefits from recent water supply reliability and recharge projects benefits.
40	3.3.2	Sustainable Management Criteria - Groundwater Levels - Minimum Thresholds	<b>RCA 2b:</b> Provide information on impacts to domestic wells during projected conditions where minimum thresholds are exceeded but undesirable results do not occur and quantify domestic wells that will be impacted by the proposed minimum threshold. Furthermore, the GSA should evaluate the impacts of proposed minimum thresholds on other beneficial uses and users, such as public and small water systems and environmental users and users as the GSP does not evaluate those impacts.	Expanded data collection efforts on GDEs (2.2.7.6) and ISW monitoring (4.6); quantified impacts to domestic wells (Appendix 3-B).
40	3.3.2	Sustainable Management Criteria - Groundwater Levels - Minimum Thresholds	<b>RCA 2c:</b> Provide a description of the relationship between established minimum thresholds for the chronic lowering of groundwater levels and how they avoid undesirable results for each of the other sustainability indicators.	Changed MT approach for lowering groundwater levels to be more reflective of undesirable result definition.
40	3.5.1	Sustainable Management Criteria - Water Quality - Undesirable Result	<b>RCA 3:</b> Revise the definition of undesirable results to remove the non-dry year condition or discuss how degradation during dry period will be managed as necessary to ensure that adverse water quality conditions are offset during other periods.	The definition of undesirable results was updated.
41	3.7.1	Sustainable Management Criteria - Land Subsidence - Undesirable Result & MT	<b>RCA 4a:</b> Provide a clear, quantitative definition of when undesirable results for land subsidence may occur in the Subbasin, as required by the GSP Regulations, to support the selection of land subsidence minimum thresholds that demonstrate avoidance of undesirable results.	The definition of undesirable results was updated.

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## Summary of DWR Recommended Corrective Actions and Amendments (cont'd)

Determination Letter Page No.	GSP Section No.	GSP Section	Recommended Corrective Action (RCA)	Amendment Description
41	3.8.1	Sustainable Management Criteria - ISW	<b>RCA 5a:</b> Consider utilizing the interconnected surface water guidance, as appropriate, when issued by the Department to establish quantifiable minimum thresholds, measurable objectives, and management actions.	The GSA has reviewed the guidance released to date; the guidance was taken into consideration during the Periodic Evaluation and Plan Amendment process.
41	4.6	Monitoring Networks - ISW	<b>RCA 5b:</b> Continue to fill data gaps, collect additional monitoring data, and implement the current strategy to manage depletions of interconnected surface water and define segments of interconnectivity and timing.	ISW monitoring network has been overhauled with the classification of existing wells, drilling of new shallow wells, and installation of new stream gages; new monitoring network visualized in Figure 4-4.
41	2.2.6 & 2.2.7	Basin Setting – ISW / GDE	<b>RCA 5c:</b> Prioritize collaborating and coordinating with local, state, and federal regulatory agencies as well as interested parties to better understand the full suite of beneficial uses and users that may be impacted by pumping induced surface water depletion within the GSA's jurisdictional area.	The GSA has collaborated with The Nature Conservancy on GDE mapping efforts and has coordinated with Northern Sacramento Valley Subbasins to develop a consistent approach to manage inter-connected surface waters. Coordination efforts are further summarized in Sections 2.2.6 and 2.2.7.
41	4.6	Monitoring Networks - ISW	<b>RCA 5d:</b> Clarify the groundwater level monitoring sites that will be used for the evaluation of depletions of interconnected surface water and provide site-specific information.	ISW monitoring network has been overhauled with the classification of existing wells, drilling of new shallow wells, and installation of new stream gages; new monitoring network visualized in Figure 4-4.

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