



**GROUNDWATER
CONDITIONS
REPORT –
CUYAMA VALLEY
GROUNDWATER
BASIN**

April 2025

801 T Street
Sacramento, CA
916.999.8700

woodardcurran.com

**Cuyama Basin
Groundwater
Sustainability Agency**

TABLE OF CONTENTS

SECTION	PAGE NO.
1. INTRODUCTION.....	1
2. SUMMARY STATISTICS.....	1
3. CURRENT CONDITIONS.....	2
4. HYDROGRAPHS.....	10
5. MONITORING NETWORK UPDATES.....	16

TABLES

Table 1: Recent Groundwater Levels for Representative Monitoring Network.....	3
Table 2: Well Status Related to Thresholds.....	6

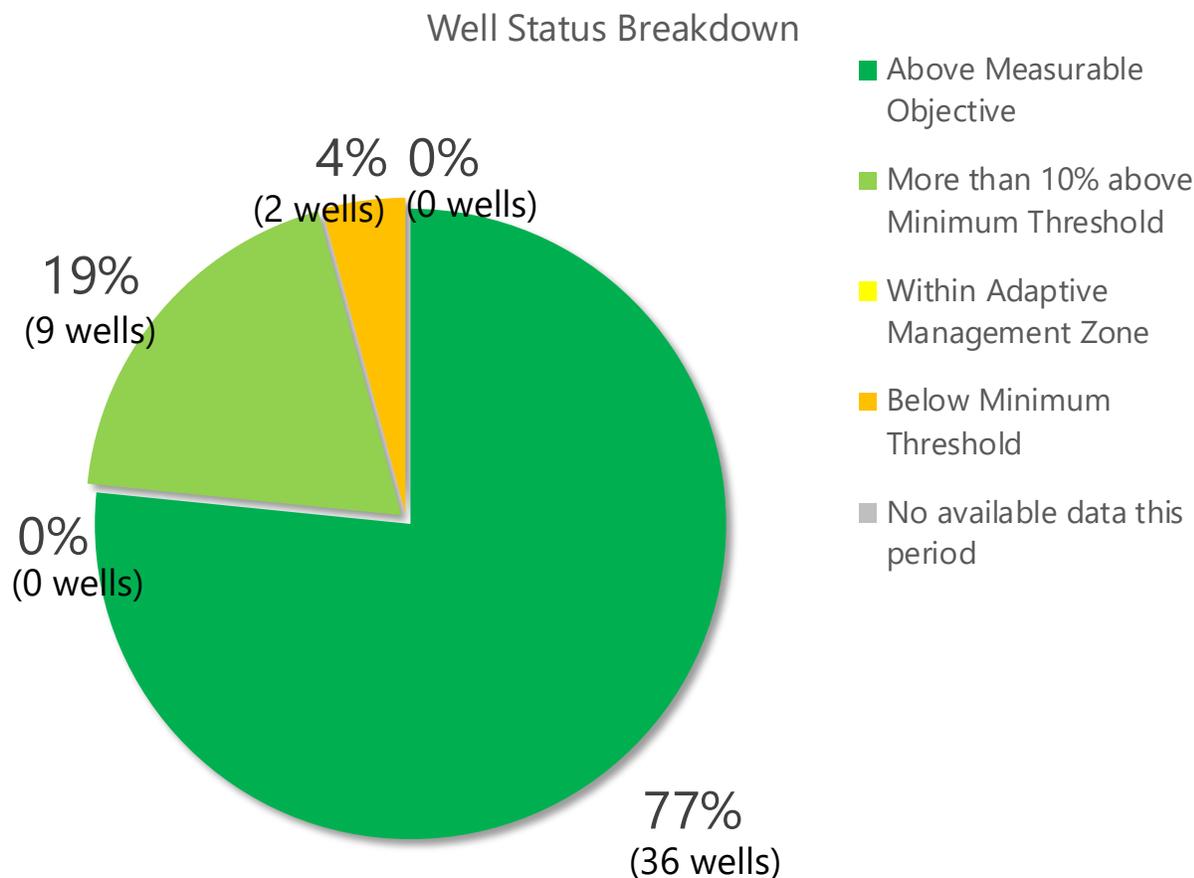
FIGURES

Figure 1: Groundwater Level Representative Wells and Status in April 2025.....	9
Figure 2: Southeast Region – Well 89.....	10
Figure 3: Eastern Region – Well 62.....	11
Figure 4: Central Region – Well 91.....	12
Figure 5: Central Region – Well 74.....	13
Figure 6: Western Region – Well 571.....	14
Figure 7: Northwestern Region – Well 841.....	15
Figure 8: Threshold Regions in the Cuyama Groundwater Basin.....	16

1. INTRODUCTION

This report is intended to provide an update on the current groundwater level conditions in the Cuyama Valley Groundwater Basin. This work is completed by the Cuyama Basin Groundwater Sustainability Agency (CBGSA), in compliance with the Sustainable Groundwater Management Act (SGMA).

2. SUMMARY STATISTICS



There are currently 2 wells with groundwater levels exceeding the updated minimum thresholds. As outlined in the GSP, undesirable results for the chronic lowering of groundwater levels occurs, "when 30 percent of representative monitoring wells... fall below their minimum groundwater elevation threshold for two consecutive years." (Cuyama GSP, pg. 3-2). Currently, 4% of representative monitoring wells (i.e. 2 wells) have exceeded the minimum threshold for 24 or more consecutive months.

3. CURRENT CONDITIONS

Table 1 includes the most recent groundwater level measurements taken in the Cuyama Basin from representative wells included in the Cuyama GSP Groundwater Level Monitoring Network, as well as the previous two measurements and the measurement from the same time period in the previous year. Table 2 includes all of the wells and their current status in relation to the thresholds applied to each well. This information is also shown on Figure 1.

All measurements are also incorporated into the Cuyama DMS, which may be accessed at <https://opti.woodardcurran.com/cuyama/login.php>.

Table 1: Recent Groundwater Levels for Representative Monitoring Network

Well	Region	Oct-24	Jan-25	Apr-25	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
72	Central	2005	2034	2025	2034	Apr-24	-9.9
74	Central	1942	1947	1951	1941	Apr-24	9.7
77	Central	1766	1791	1777	1795	Apr-24	-18.2
91	Central	1800	1806	1806	1813	Apr-24	-7.6
95	Central	1867	1867	1868	2389	Apr-24	-520.2
96	Central	2266	2266	2268	2269	Apr-24	-0.9
99	Central	2145	2212	2156	2218	Apr-24	-61.4
102	Central	1671	1763	1669	-	-	-
103	Central	2051	2054	2057	2050	Apr-24	6.8
112	Central	2043	2043	2046	2042	Apr-24	4.1
114	Central	1878	1879	1881	1880	Apr-24	1.1
316	Central	1800	1804	1805	1812	Apr-24	-7.6
317	Central	1802	1806	1806	1814	Apr-24	-7.5
322	Central	2138	2211	2152	2217	Apr-24	-65.5
324	Central	2169	2210	2178	2216	Apr-24	-37.9
325	Central	2193	2211	2194	2216	Apr-24	-22.1
420	Central	1766	1791	1775	1794	Apr-24	-19.3
421	Central	1781	1795	1787	1800	Apr-24	-12.9
474	Central	2235	2234	2236	2232	Apr-24	4.8
568	Central	1858	1873	1878	1874	Apr-24	4.3

Well	Region	Oct-24	Jan-25	Apr-25	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
604	Central	1650	1667	1668	1655	Apr-24	12.5
608	Central	1769	1790	1779	1778	Apr-24	0.8
609	Central	1722	1725	1732	1723	Apr-24	9.6
610	Central	1795	1801	1803	1808	Apr-24	-4.7
612	Central	1805	1803	1817	1796	Apr-24	20.8
613	Central	1818	-	1805	1797	Apr-24	8.3
615	Central	1805	1795	1797	1806	Apr-24	-8.7
629	Central	1800	1802	1805	1821	Apr-24	-15.4
633	Central	1805	-	1798	1800	Apr-24	-1.4
62	Eastern	-	-	2818	2806	Apr-24	11.9
85	Eastern	2907	2908	2910	2891	Apr-24	19.1
100	Eastern	2935	2930	2928	2939	Apr-24	-11
101	Eastern	2655	2671	2678	2658	Apr-24	19.6
841	Northwestern	1688	1704	1708	1709	Feb-24	-1.7
845	Northwestern	1632	1642	1645	1643	Feb-24	1.9
2	Southeastern	3686	3699	3697	3706	Apr-24	-8.7
89	Southeastern	3409	3410	3411	3413	Apr-24	-1.5
106	Western	2176	2176	2178	2175	Apr-24	2.2
107	Western	2419	2418	2418	2419	Apr-24	-0.7
117	Western	1945	1944	1945	1947	Apr-24	-2
118	Western	2212	2212	2212	2213	Apr-24	-0.6

Well	Region	Oct-24	Jan-25	Apr-25	Last Year		Annual Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
571	Western	2209	2225	2226	2236	Apr-24	-10.8
573	Western	2012	2012	2016	2010	Apr-24	6.1
830	Far-West Northwestern	-	-	-	1511	Apr-24	-
832	Far-West Northwestern	1605	1605	1608	1604	Apr-24	3.7
833	Far-West Northwestern	1436	1436	1440	1433	Apr-24	7.1
836	Far-West Northwestern	1477	1477	1480	1479	Apr-24	0.7

*Well 608 is now confirmed to be “destroyed” and is no longer available for monitoring. The landowner and monitoring staff have identified a well within 100 ft that is suitable to continue monitoring in this location, and the groundwater level monitoring network will be modified to remove well 608 and add in this new well. The new well is in the process of being incorporated into Opti and being assigned an ID number.

Table 2: Well Status Related to Thresholds

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
72	Central	145	4/11/2025	373	369	328	790	Above Measurable Objective	No
74	Central	240	4/10/2025	322	321	309	-	Above Measurable Objective	No
77	Central	506	4/10/2025	514	509	464	980	More than 10% above Minimum Threshold	No
91	Central	673	4/11/2025	730	725	681	980	Above Measurable Objective	No
95	Central	589	4/11/2025	597	594	562	805	More than 10% above Minimum Threshold	No
96	Central	340	4/9/2025	369	368	361	500	Above Measurable Objective	No
99	Central	348	4/9/2025	379	378	368	750	Above Measurable Objective	No
102	Central	374	4/10/2025	470	466	432	-	Above Measurable Objective	No
103	Central	230	4/9/2025	379	374	324	1030	Above Measurable Objective	No
112	Central	83	4/10/2025	102	102	100	441	Above Measurable Objective	No
114	Central	46	4/10/2025	58	58	56	58	Above Measurable Objective	No
316	Central	675	4/11/2025	731	726	682	830	Above Measurable Objective	No
317	Central	673	4/11/2025	700	695	650	700	More than 10% above Minimum Threshold	No
322	Central	352	4/9/2025	387	386	378	850	Above Measurable Objective	No
324	Central	326	4/9/2025	365	364	353	560	Above Measurable Objective	No
325	Central	310	4/9/2025	331	330	323	380	Above Measurable Objective	No
420	Central	508	4/10/2025	514	509	464	780	More than 10% above Minimum Threshold	No

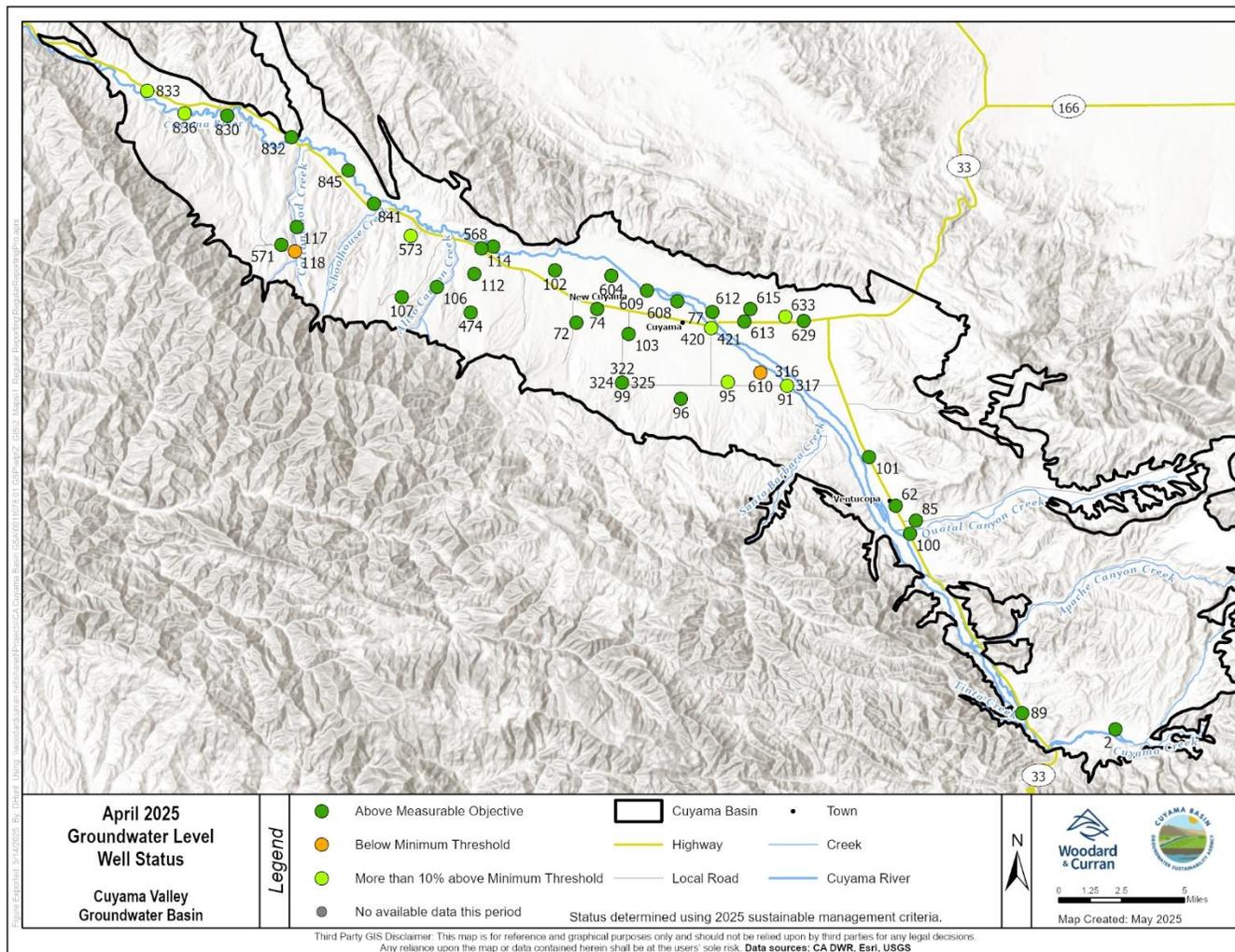
Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
421	Central	496	4/10/2025	514	509	466	620	More than 10% above Minimum Threshold	No
474	Central	129	4/10/2025	197	195	178	213	Above Measurable Objective	No
568	Central	34	4/10/2025	47	47	46	188	Above Measurable Objective	No
604	Central	450	4/10/2025	544	540	505	924	Above Measurable Objective	No
608	Central	435	4/11/2025	504	501	475	745	Above Measurable Objective	No
609	Central	434	4/10/2025	499	495	462	970	Above Measurable Objective	No
610	Central	637	4/11/2025	557	554	527	780	Below Minimum Threshold (57 months)	No
612	Central	455	4/11/2025	513	511	490	1070	Above Measurable Objective	No
613	Central	523	4/11/2025	578	575	550	830	Above Measurable Objective	No
615	Central	526	4/11/2025	588	585	556	865	Above Measurable Objective	No
629	Central	574	4/11/2025	613	610	581	1000	Above Measurable Objective	No
633	Central	566	4/11/2025	605	600	551	1000	More than 10% above Minimum Threshold	No
62	Eastern	101	4/9/2025	212	210	187	212	Above Measurable Objective	No
85	Eastern	139	4/9/2025	200	198	176	233	Above Measurable Objective	No
100	Eastern	80	4/9/2025	186	183	157	284	Above Measurable Objective	No
101	Eastern	70	4/9/2025	138	136	115	200	Above Measurable Objective	No
841	Northwestern	53	2/20/2025	203	198	153	600	Above Measurable Objective	No
845	Northwestern	66	2/20/2025	203	198	153	380	Above Measurable Objective	No
2	Southeastern	23	4/11/2025	52	50	35	73	Above Measurable Objective	No

Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
89	Southeastern	24	4/11/2025	62	60	42	125	Above Measurable Objective	No
106	Western	141	4/10/2025	164	163	152	228	Above Measurable Objective	No
107	Western	75	4/10/2025	122	120	103	200	Above Measurable Objective	No
117	Western	153	4/10/2025	163	162	154	212	Above Measurable Objective	No
118	Western	51	4/10/2025	40	37	10	500	Below Minimum Threshold (55 months)	No
571	Western	91	4/10/2025	142	140	118	280	Above Measurable Objective	No
573	Western	66	4/10/2025	93	88	42	404	More than 10% above Minimum Threshold	No
830	Far-West Northwestern	-	-	63	63	60	77	No Data Available this Period (Above MO in July 2024)	No
832	Far-West Northwestern	32	4/9/2025	50	49	35	132	Above Measurable Objective	No
833	Far-West Northwestern	16	4/9/2025	48	44	10	504	More than 10% above Minimum Threshold	No
836	Far-West Northwestern	29	4/9/2025	49	45	10	325	More than 10% above Minimum Threshold	No

*Well 608 is now confirmed to be “destroyed” and is no longer available for monitoring. The landowner and monitoring staff have identified a well within 100 ft that is suitable to continue monitoring in this location, which is where the measurement shown was taken. The groundwater level representative network will be modified to remove well 608 and add in this new well. The new well is in the process of being incorporated into Opti and being assigned an ID number.

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

Figure 1: Groundwater Level Representative Wells and Status in April 2025



4. HYDROGRAPHS

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

Figure 2: Southeast Region – Well 89

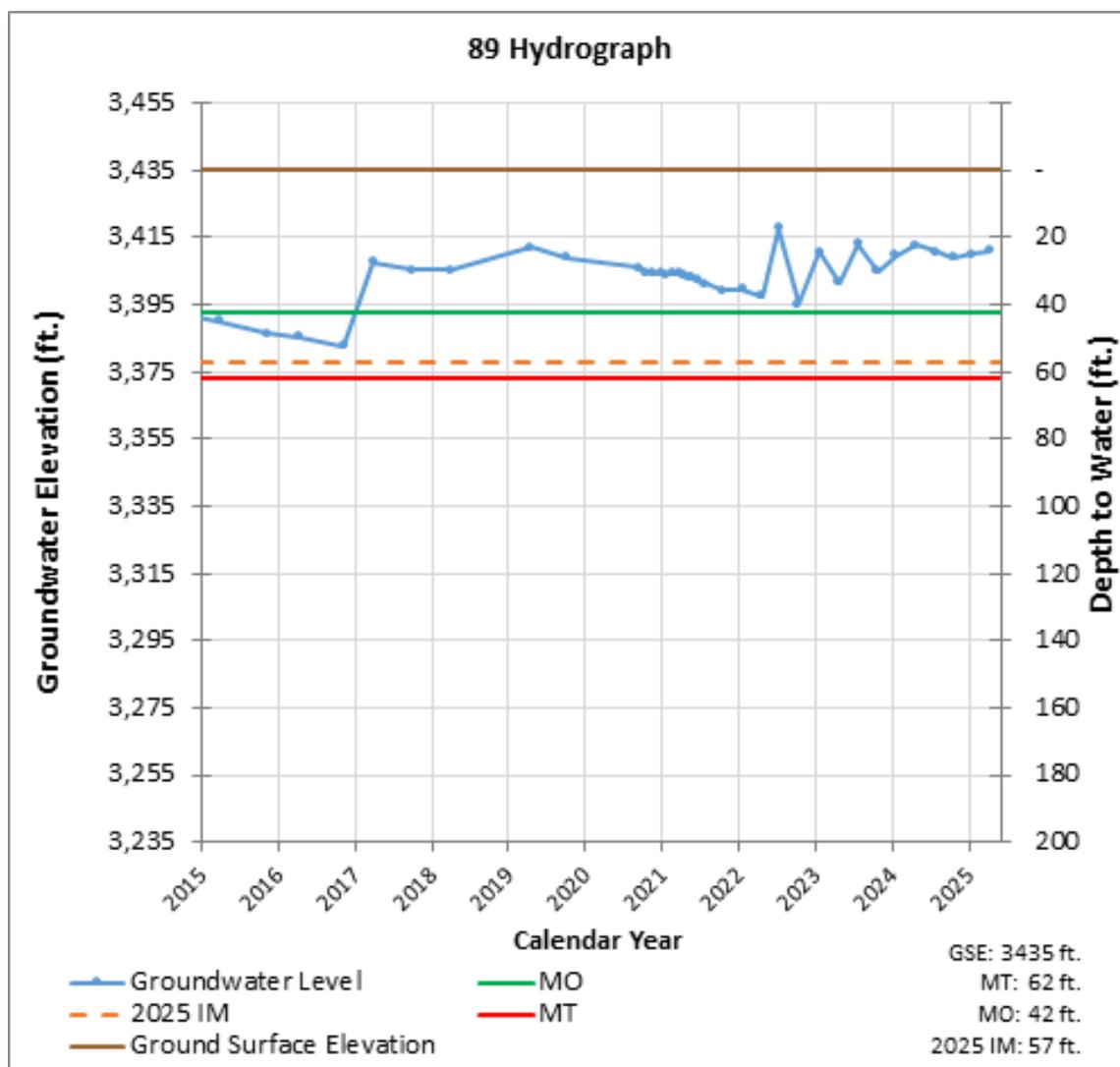


Figure 3: Eastern Region – Well 62

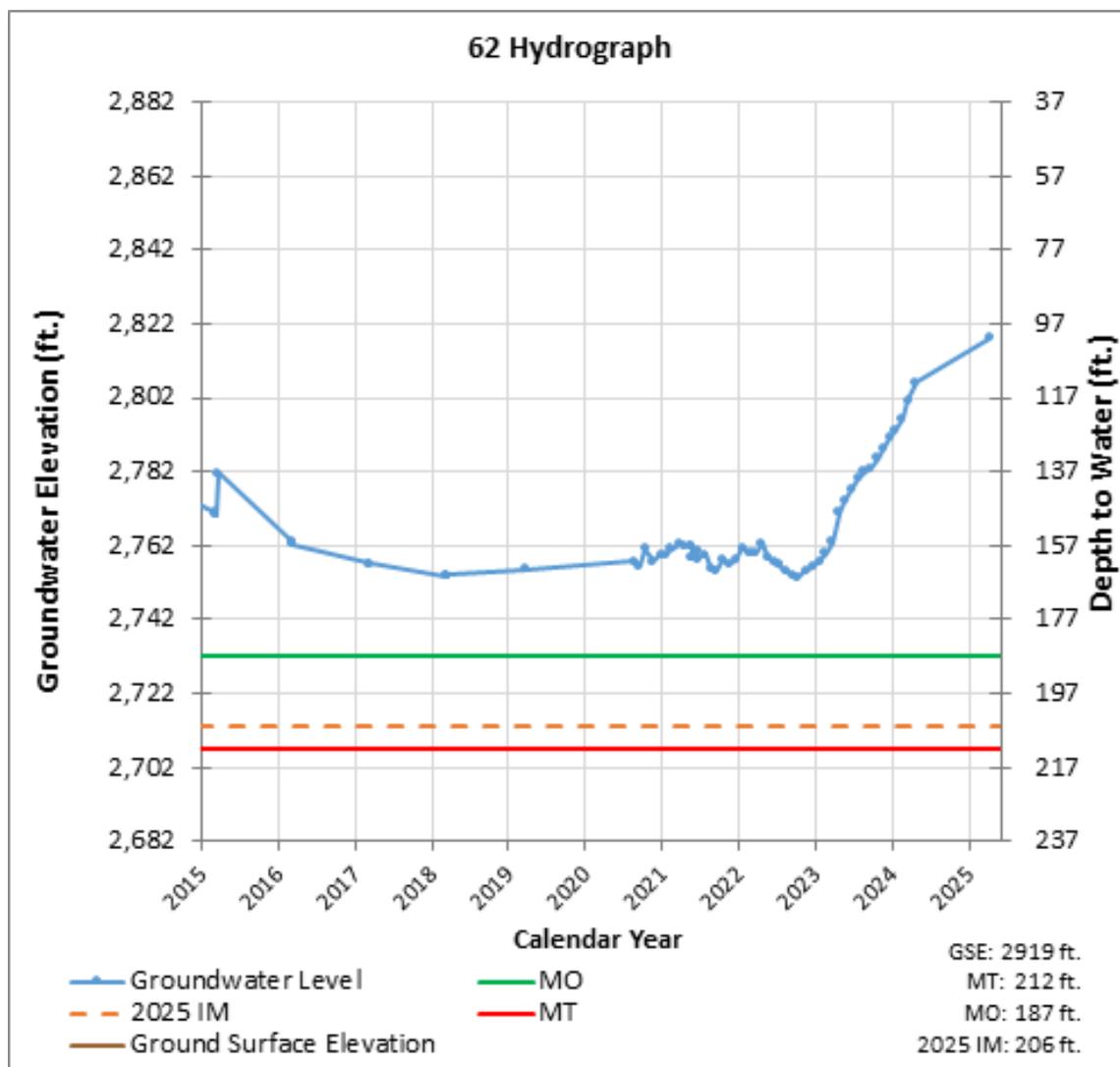


Figure 4: Central Region – Well 91

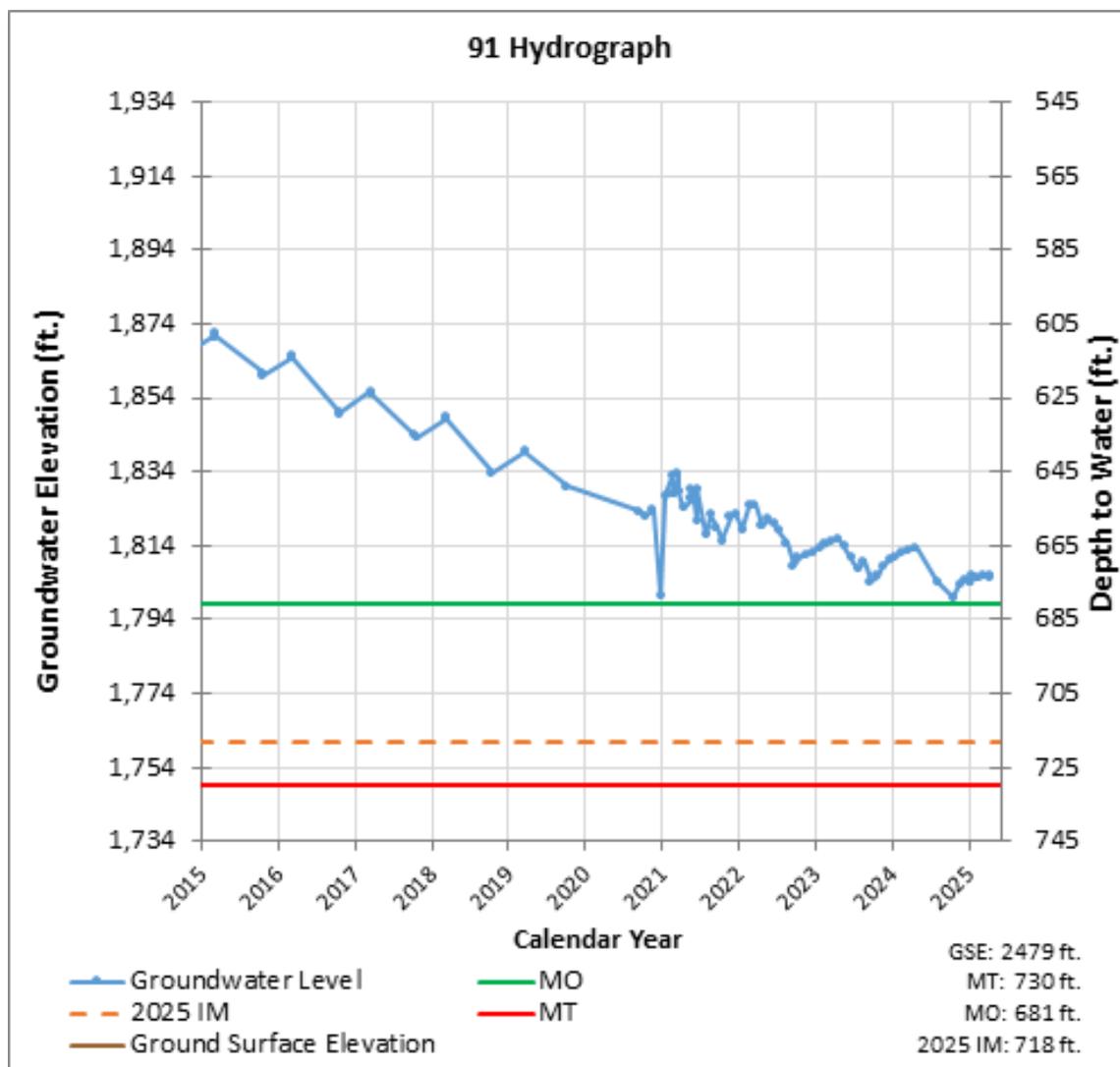


Figure 5: Central Region – Well 74

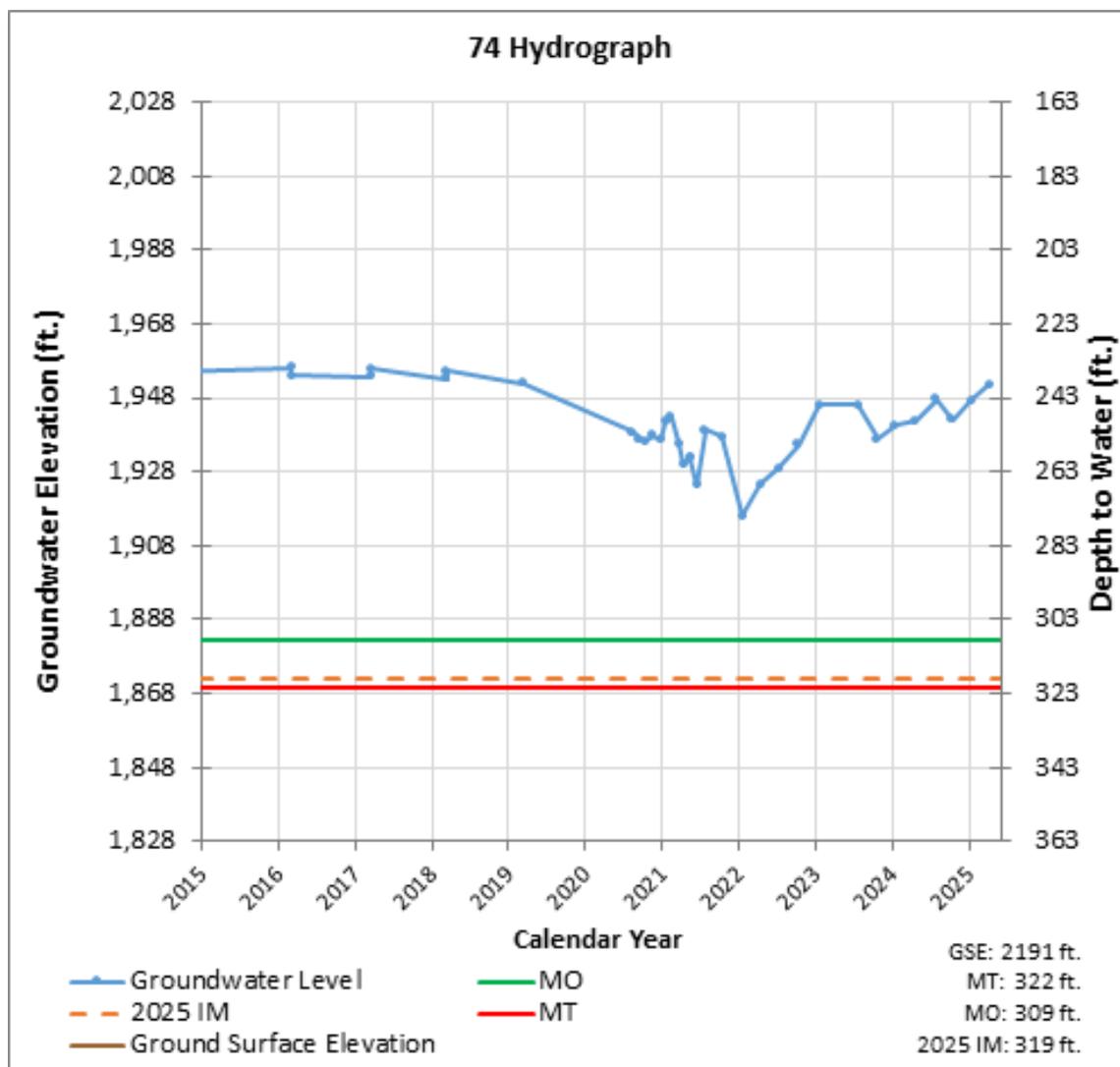


Figure 6: Western Region – Well 571

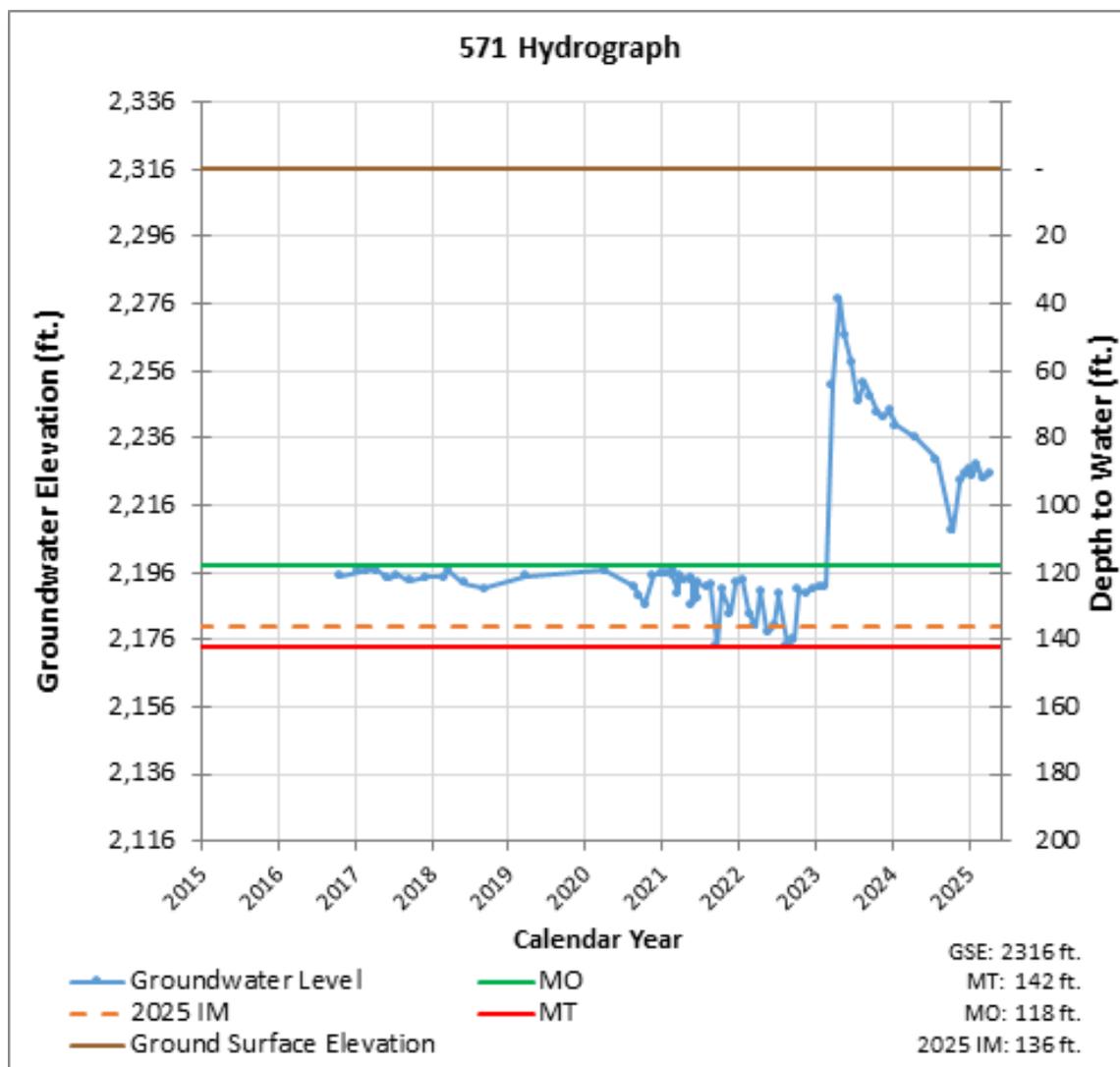
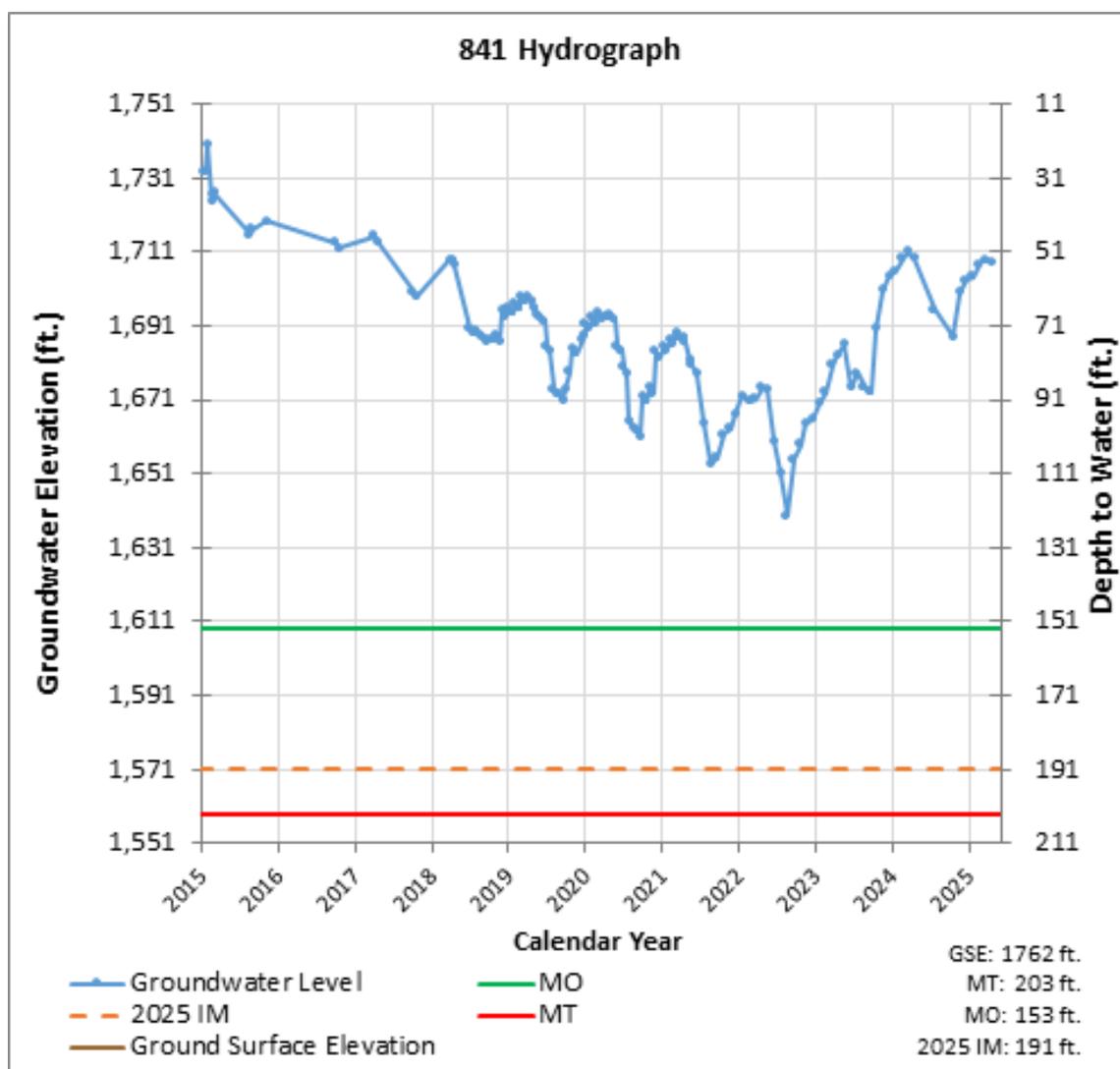


Figure 7: Northwestern Region – Well 841



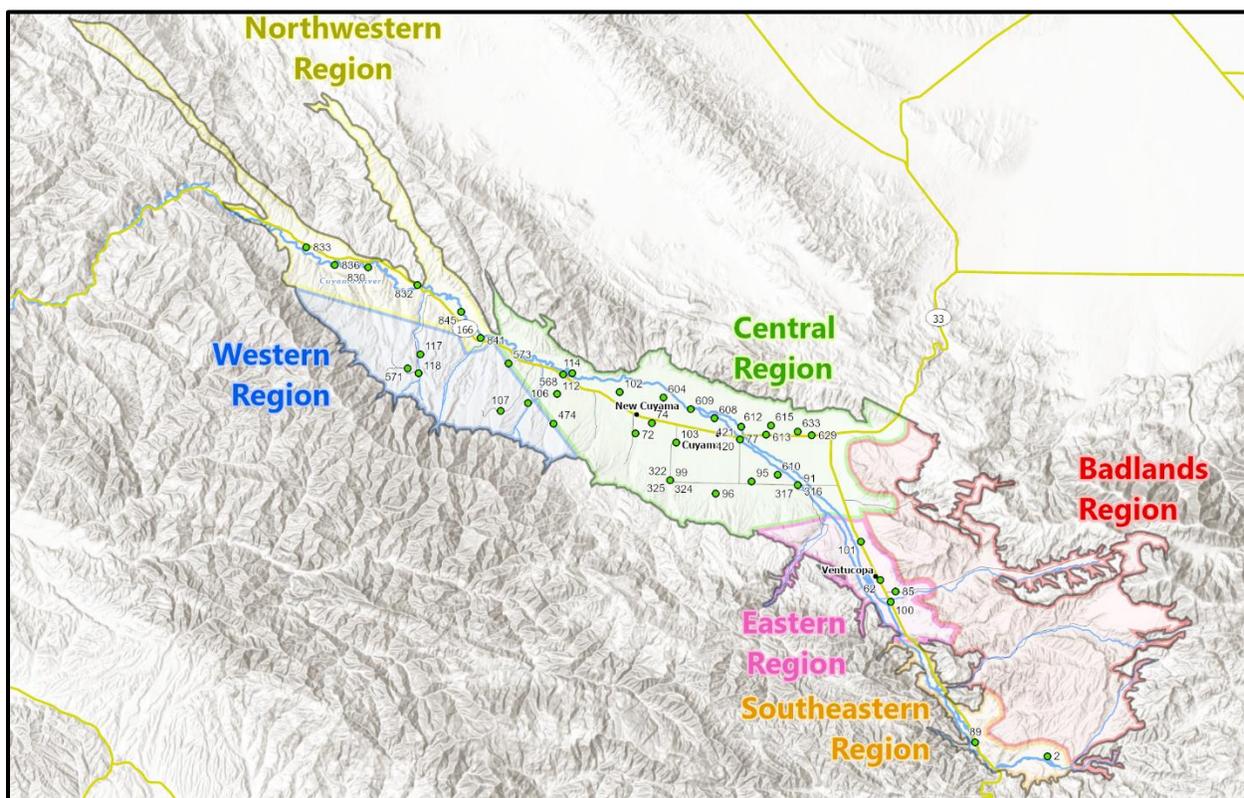


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

As shown in Table 2, there is one well with no measurement during the current monitoring period. These “no measurement codes” can have different causes as described below.

- Landowner changed and an access agreement has not been established with the current landowner:
 - Well 830

Additionally, well 608 is now confirmed to be “destroyed” and is no longer available for monitoring. The landowner and monitoring staff have identified a well within 100 ft that is suitable to continue monitoring in this location; the data from that new well is still reported for well 608 in this version of the report. The groundwater level monitoring network will be modified to remove well 608 and add in this new well. The new well is in the process of being incorporated into Opti. The new well will use historical data from Well 608 as a proxy for future analysis conducted for GSP implementation.

