



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

July 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.....	11
5. MONITORING NETWORK UPDATES.....	17

TABLES

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

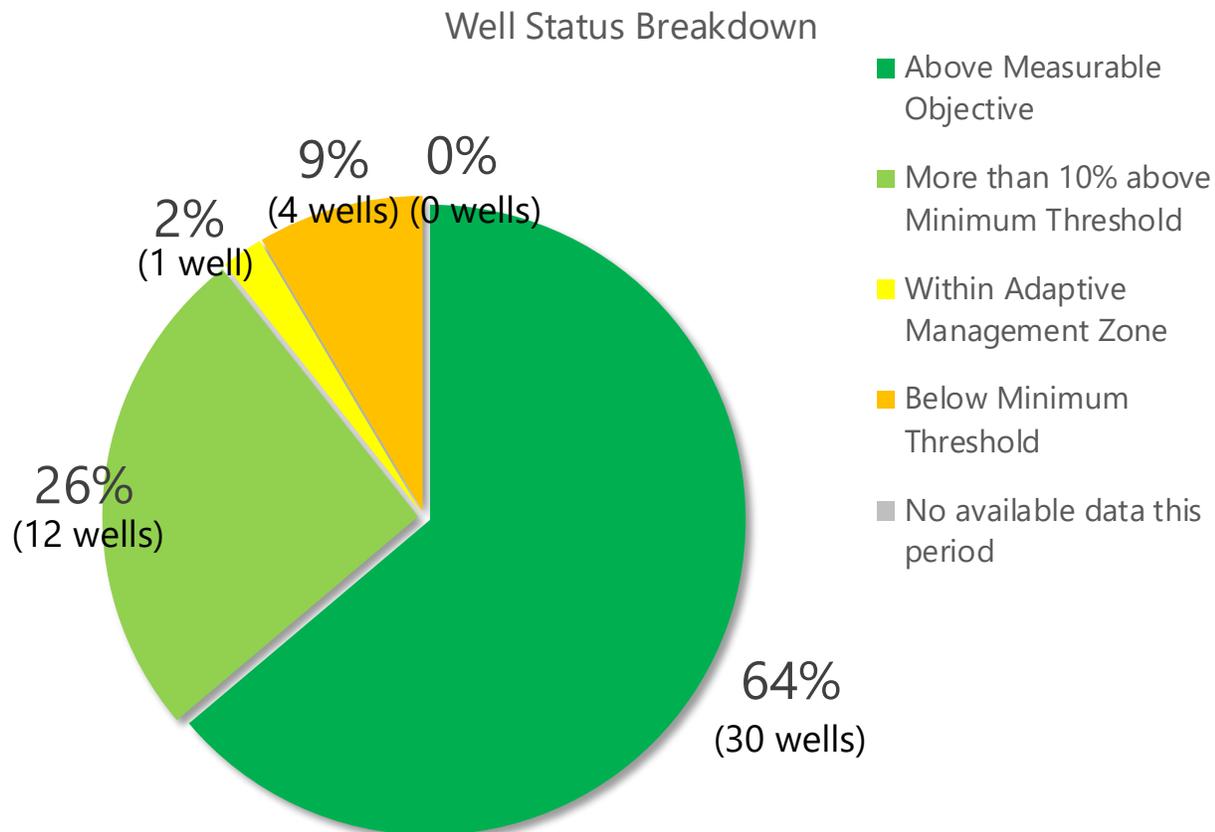
FIGURES

Figure 1: Groundwater Level Representative Wells and Status in April 2025.....	10
Figure 2: Southeast Region – Well 89.....	11
Figure 3: Eastern Region – Well 62.....	12
Figure 4: Central Region – Well 91.....	13
Figure 5: Central Region – Well 74.....	14
Figure 6: Western Region – Well 571.....	15
Figure 7: Northwestern Region – Well 841.....	16
Figure 8: Threshold Regions in the Cuyama Groundwater Basin.....	17

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 4 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, 2% of representative monitoring wells (i.e. 1 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	2034	2025	2020	-	-	-
74	Central	1947	1951	1952	1947	Jul-24	4.4
77	Central	1791	1777	1749	1754	Aug-24	-4.5
91	Central	1806	1806	1798	1804	Aug-24	-6.6
95	Central	1867	1868	1871	1868	Aug-24	3.6
96	Central	2266	2268	2295	2266	Aug-24	29.4
99	Central	2212	2156	2129	2137	Jul-24	-8.2
102	Central	1763	1669	1684	-	-	-
103	Central	2054	2057	2056	2046	Aug-24	10
112	Central	2043	2046	2046	2042	Aug-24	3.5
114	Central	1879	1881	1881	1881	Aug-24	0
316	Central	1804	1805	1797	1804	Aug-24	-6.8
317	Central	1806	1806	1799	1806	Aug-24	-6.6
322	Central	2211	2152	2126	2134	Jul-24	-8.1
324	Central	2210	2178	2156	2168	Jul-24	-11.9
325	Central	2211	2194	2190	2194	Jul-24	-4.5
420	Central	1791	1775	1748	1750	Aug-24	-2.2
421	Central	1795	1787	1772	1778	Aug-24	-6.2
474	Central	2234	2236	2236	2234	Aug-24	1.8
568	Central	1873	1878	1876	1873	Jul-24	2.9

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	1667	1668	1645	1661	Aug-24	-16.6
935*	Central	1790	1779	1753	1740	Aug-24	12.8
609	Central	1725	1732	1747	1691	Aug-24	55.9
610	Central	1801	1803	1795	1797	Aug-24	-1.2
612	Central	1803	1817	1815	1780	Aug-24	35.1
613	Central	-	1805	1783	1814	Aug-24	-31.5
615	Central	1795	1797	1797	1794	Aug-24	2.2
629	Central	1802	1805	1787	1791	Aug-24	-3.7
633	Central	-	1798	1792	1794	Aug-24	-2.1
62	Eastern	-	2818	2831	-	-	-
85	Eastern	2908	2910	2908	2902	Aug-24	6.4
100	Eastern	2930	2928	2924	2939	Aug-24	-15.3
101	Eastern	2671	2678	2679	2654	Aug-24	25
841	Northwestern	1704	1708	1710	1695	Jul-24	14.7
845	Northwestern	1642	1642	1640	1632	Jul-24	7.5
2	Southeastern	3699	3697	3693	3704	Jul-24	-11.2
89	Southeastern	3410	3411	3422	3411	Jul-24	11.1
106	Western	2176	2178	2177	2176	Aug-24	1.3
107	Western	2418	2418	2417	2421	Aug-24	-4.7
117	Western	1944	1945	1944	1945	Jul-24	-1.1
118	Western	2212	2212	2213	2212	Jul-24	0.8

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	2225	2226	-	2230	Jul-24	-
573	Western	2012	2016	2016	2012	Aug-24	4.3
830	Far-West Northwestern	-	-	-	1515	Jul-24	-
832	Far-West Northwestern	1605	1608	1608	1606	Jul-24	1.2
833	Far-West Northwestern	1436	1440	1320	1435	Jul-24	-114.3**
836	Far-West Northwestern	1477	1480	1479	1478	Jul-24	0.8

*Per CBGSA Board direction at their July 2025 meeting, Well 608 (which is destroyed) has been replaced with new Well 935. The new well is in the process of being incorporated into Opti.

**Well 833 was flowing heavily at the time that the well was being surveyed. Reductions in groundwater levels may be due to heavy pumping at the well (or other nearby wells) in support of firefighting during July 2025.

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	150	7/16/2025	373	369	328	790	Above Measurable Objective	No
74	Central	239	7/16/2025	322	321	309	-	Above Measurable Objective	No
77	Central	534	7/16/2025	514	509	464	980	Below Minimum Threshold (1 month)	No
91	Central	682	7/18/2025	730	725	681	980	More than 10% above Minimum Threshold	No
95	Central	586	7/18/2025	597	594	562	805	More than 10% above Minimum Threshold	No
96	Central	313	7/17/2025	369	368	361	500	Above Measurable Objective	No
99	Central	375	7/17/2025	379	378	368	750	More than 10% above Minimum Threshold	No
102	Central	359	7/17/2025	470	466	432	-	Above Measurable Objective	No
103	Central	230	7/17/2025	379	374	324	1030	Above Measurable Objective	No
112	Central	83	7/18/2025	102	102	100	441	Above Measurable Objective	No
114	Central	46	7/18/2025	58	58	56	58	Above Measurable Objective	No
316	Central	682	7/18/2025	731	726	682	830	More than 10% above Minimum Threshold	No
317	Central	680	7/18/2025	700	695	650	700	More than 10% above Minimum Threshold	No
322	Central	378	7/17/2025	387	386	378	850	More than 10% above Minimum Threshold	No
324	Central	348	7/17/2025	365	364	353	560	Above Measurable Objective	No
325	Central	314	7/17/2025	331	330	323	380	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						
420	Central	536	7/16/2025	514	509	464	780	Below Minimum Threshold (1 month)	No
421	Central	512	7/16/2025	514	509	466	620	Within Adaptive Management Zone	No
474	Central	129	7/18/2025	197	195	178	213	Above Measurable Objective	No
568	Central	36	7/17/2025	47	47	46	188	Above Measurable Objective	No
604	Central	473	7/18/2025	544	540	505	924	Above Measurable Objective	No
935*	Central	462	7/18/2025	504	501	475	745	Above Measurable Objective	No
609	Central	419	7/18/2025	499	495	462	970	Above Measurable Objective	No
610	Central	645	7/18/2025	557	554	527	780	Below Minimum Threshold (60 months)	No
612	Central	457	7/18/2025	513	511	490	1070	Above Measurable Objective	No
613	Central	545	7/18/2025	578	575	550	830	Above Measurable Objective	No
615	Central	526	7/17/2025	588	585	556	865	Above Measurable Objective	No
629	Central	592	7/18/2025	613	610	581	1000	More than 10% above Minimum Threshold	No
633	Central	572	7/18/2025	605	600	551	1000	More than 10% above Minimum Threshold	No
62	Eastern	88	7/16/2025	212	210	187	212	Above Measurable Objective	No
85	Eastern	141	7/16/2025	200	198	176	233	Above Measurable Objective	No
100	Eastern	84	7/16/2025	186	183	157	284	Above Measurable Objective	No
101	Eastern	69	7/16/2025	138	136	115	200	Above Measurable Objective	No
841	Northwestern	51	5/20/2025	203	198	153	600	Above Measurable Objective	No
845	Northwestern	71	5/20/2025	203	198	153	380	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						
2	Southeastern	27	7/16/2025	52	50	35	73	Above Measurable Objective	No
89	Southeastern	13	7/16/2025	62	60	42	125	Above Measurable Objective	No
106	Western	141	7/18/2025	164	163	152	228	Above Measurable Objective	No
107	Western	76	7/18/2025	122	120	103	200	Above Measurable Objective	No
117	Western	154	7/16/2025	163	162	154	212	More than 10% above Minimum Threshold	No
118**	Western	51	7/16/2025	72	37	42	500	More than 10% above Minimum Threshold	No
571	Western	-	-	142	140	118	280	Above Measurable Objective (Above MO In April 2025)	No
573	Western	66	7/18/2025	93	88	42	404	More than 10% above Minimum Threshold	No
830	Far-West Northwestern	-	-	63	63	60	77	Above Measurable Objective (Above MO in July 2024)	No
832	Far-West Northwestern	32	7/17/2025	50	49	35	132	Above Measurable Objective	No
833***	Far-West Northwestern	136	7/17/2025	48	44	10	504	Below Minimum Threshold (1 month)	No
836	Far-West Northwestern	31	7/17/2025	49	45	10	325	More than 10% above Minimum Threshold	No

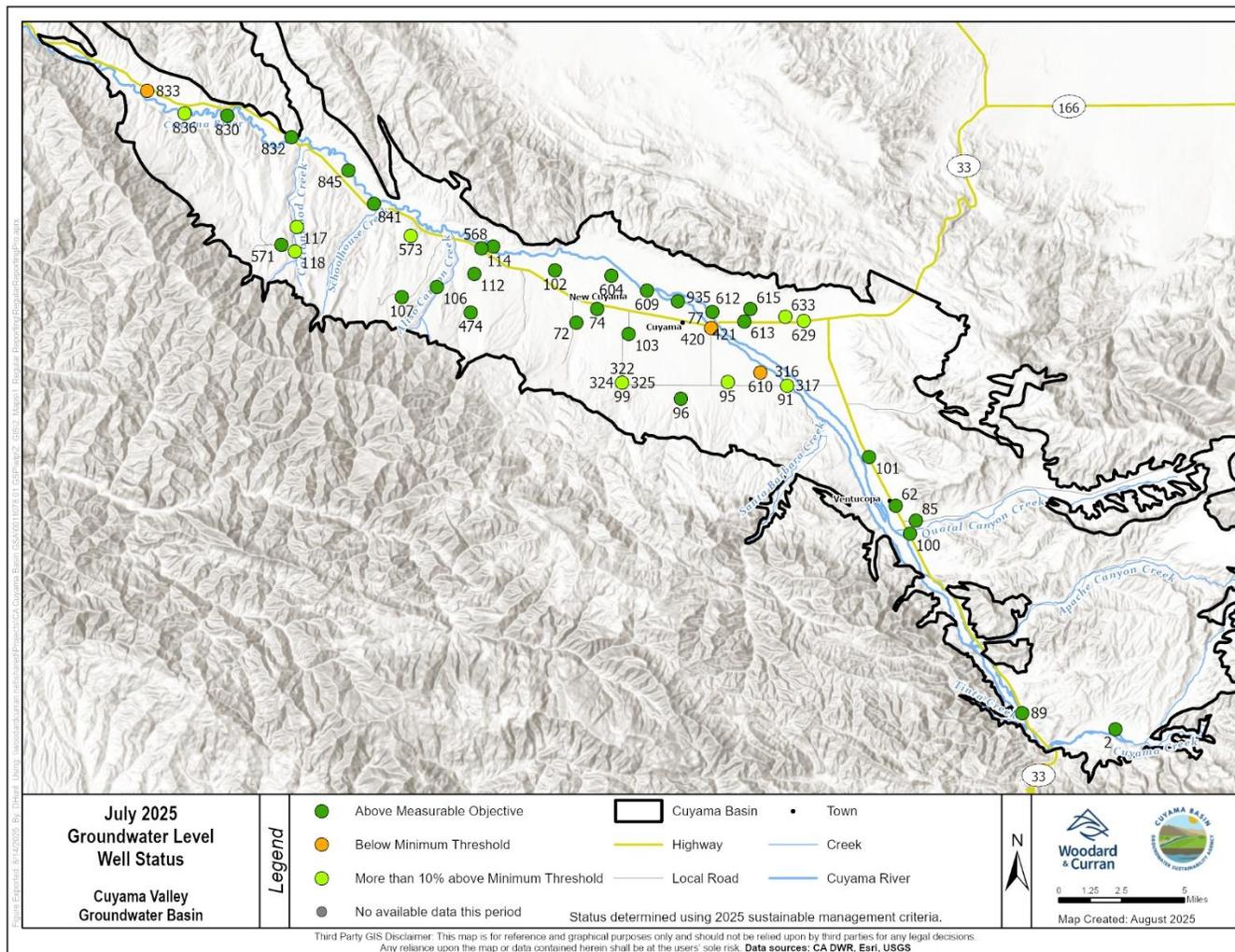
*Per CBGSA Board direction at their July 2025 meeting, Well 608 (which is destroyed) has been replaced with new Well 935. The new well is in the process of being incorporated into Opti.

**Per CBGSA Board direction at their July 2025 meeting, the minimum threshold for Well 118 has been adjusted from 40 to 72 feet (dtw) and the measurable objective has been adjusted from 10 feet to 42 feet.

***Well 833 was flowing heavily at the time that the well was being surveyed. Reductions in groundwater levels may be due to heavy pumping at the well (or other nearby wells) in support of firefighting during July 2025.

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 July 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

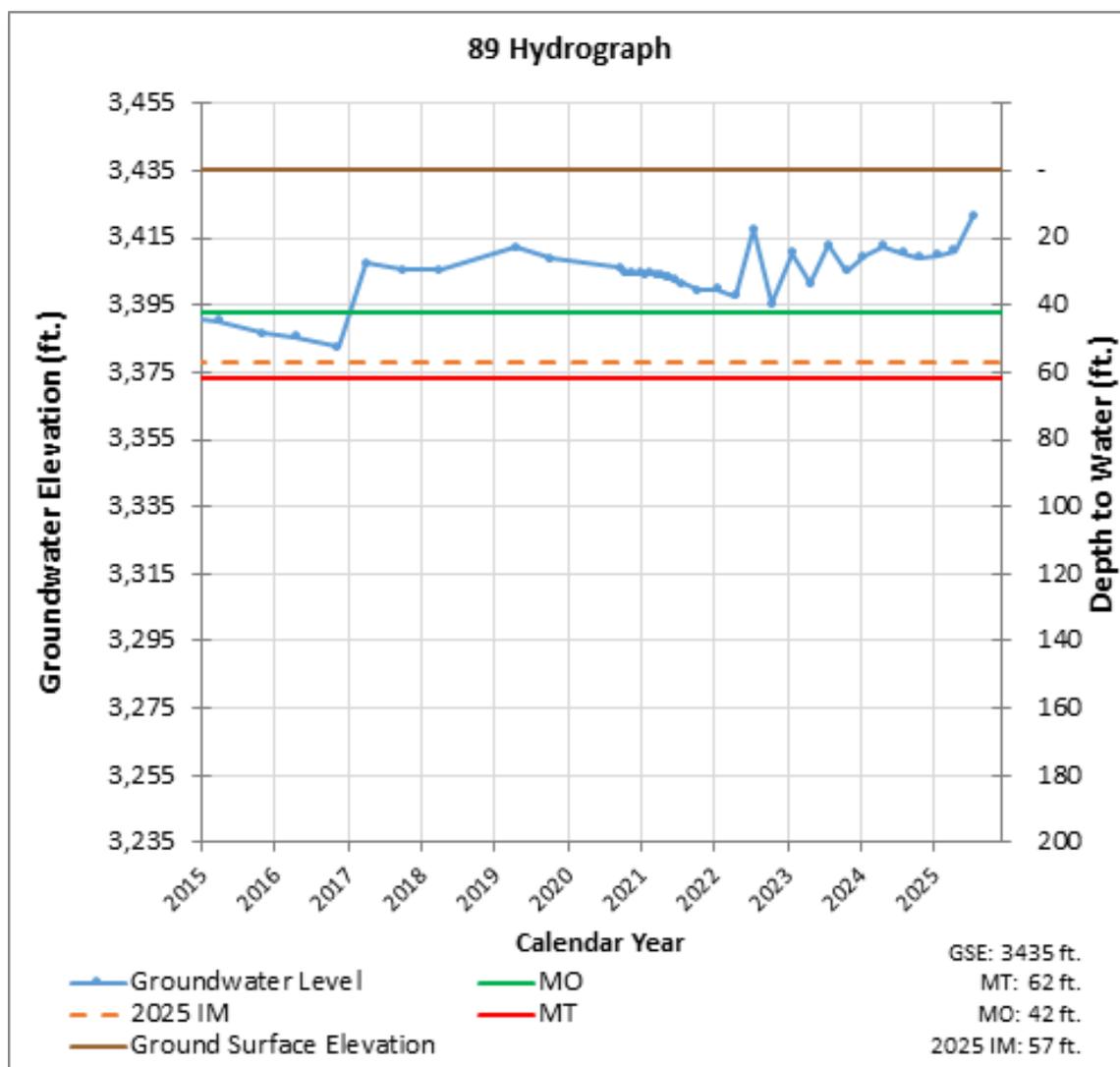


Figure 3: Eastern Region – Well 62

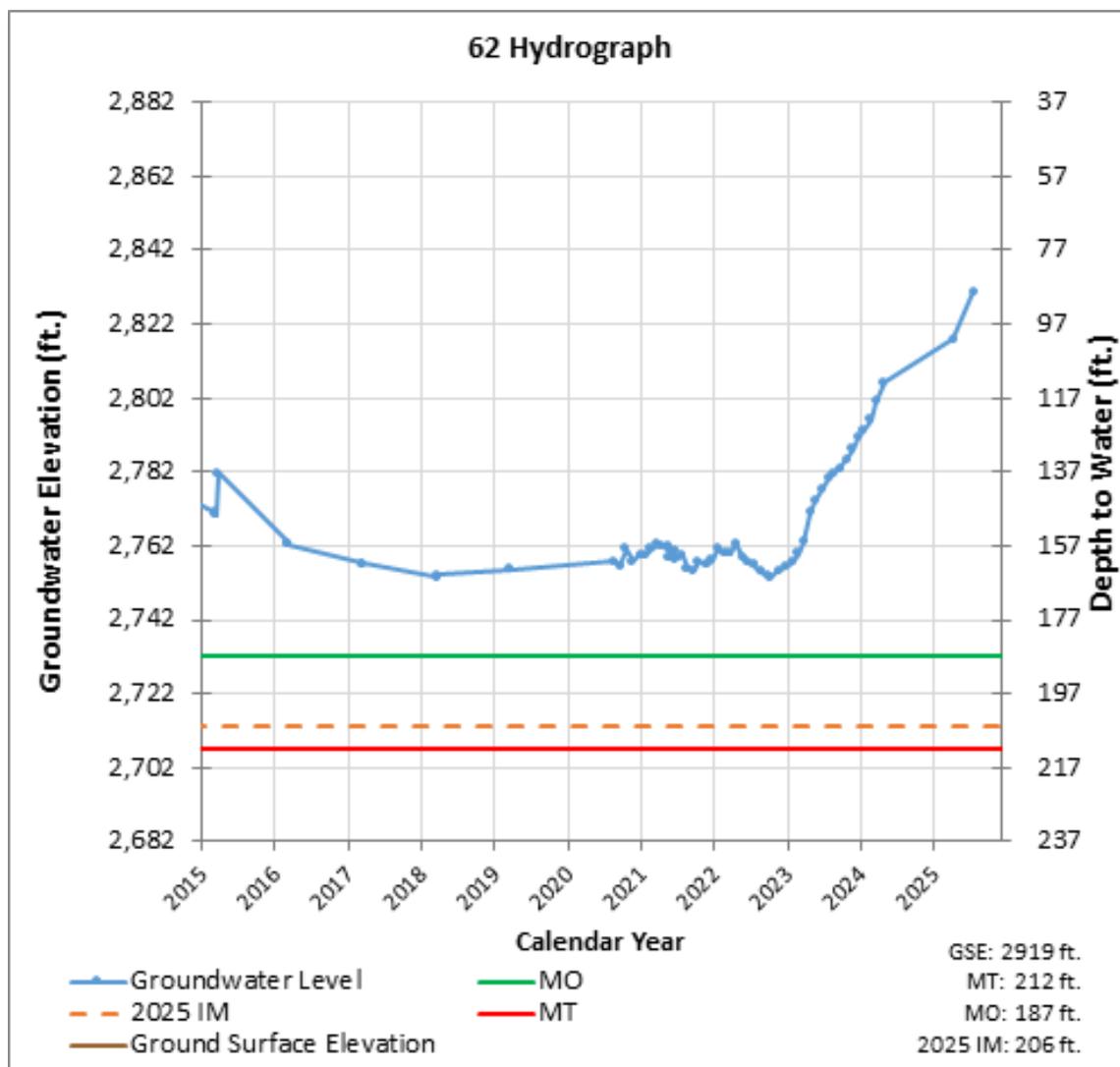


Figure 4: Central Region – Well 91

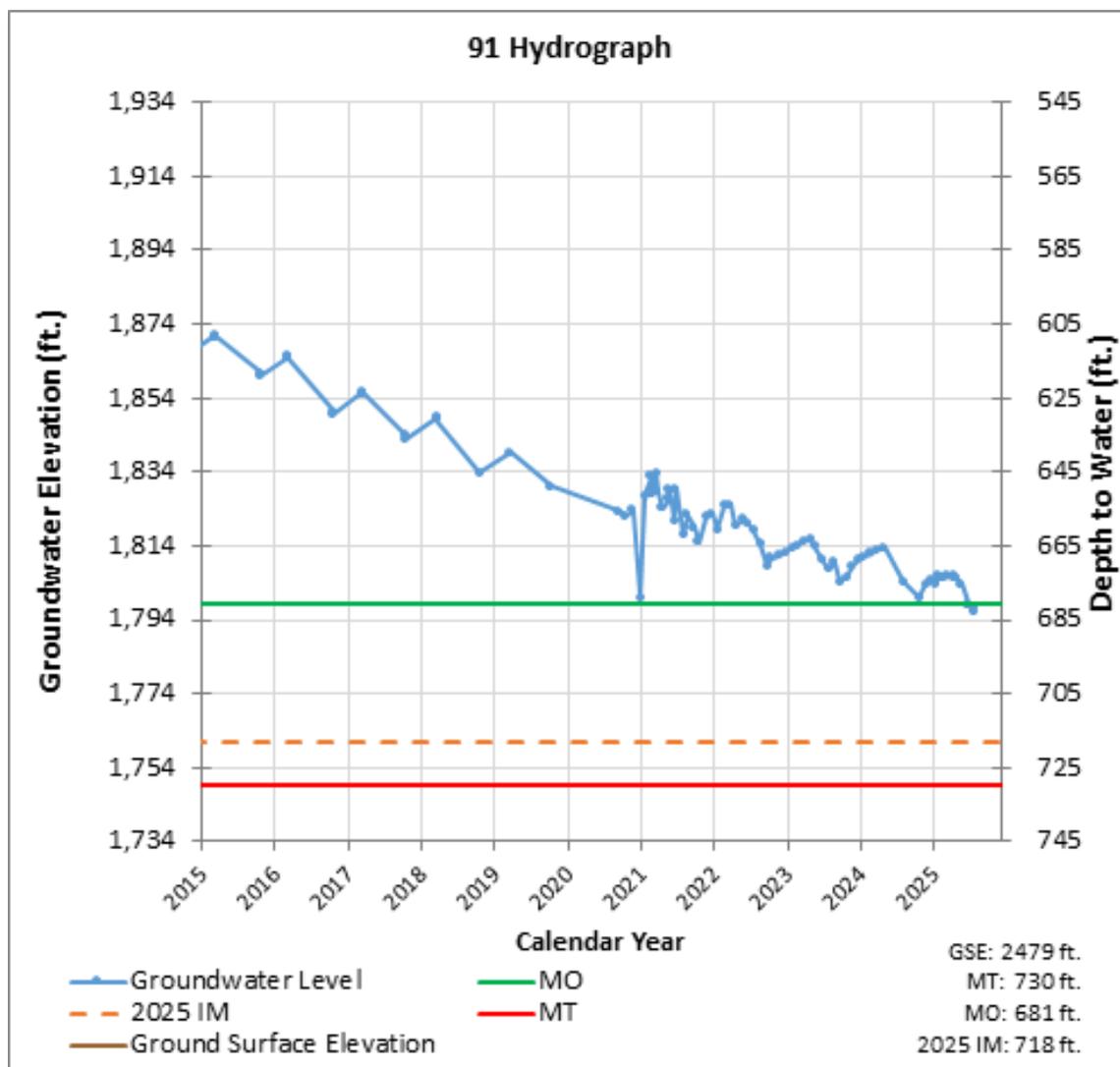


Figure 5: Central Region – Well 74

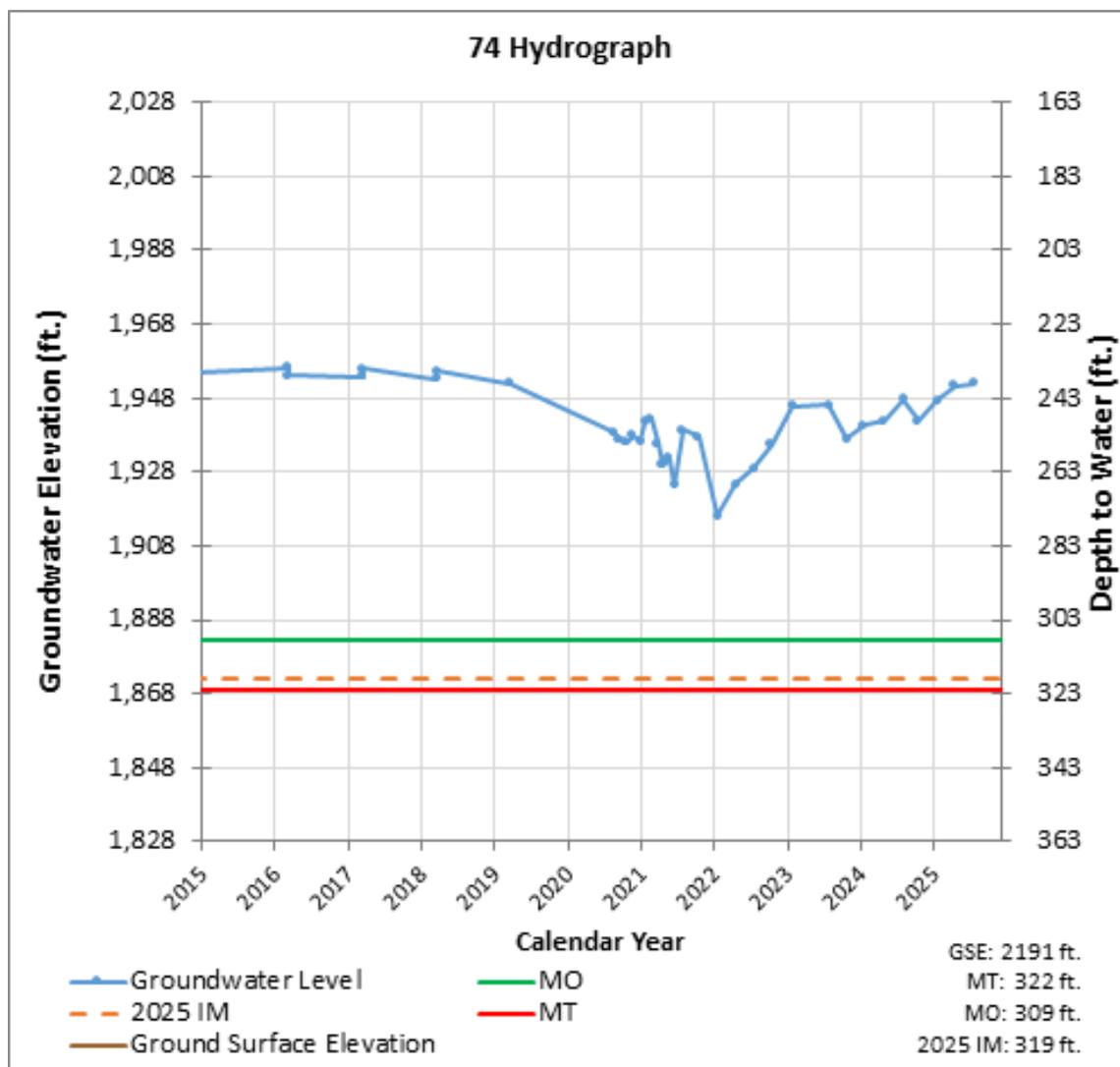


Figure 6: Western Region – Well 571

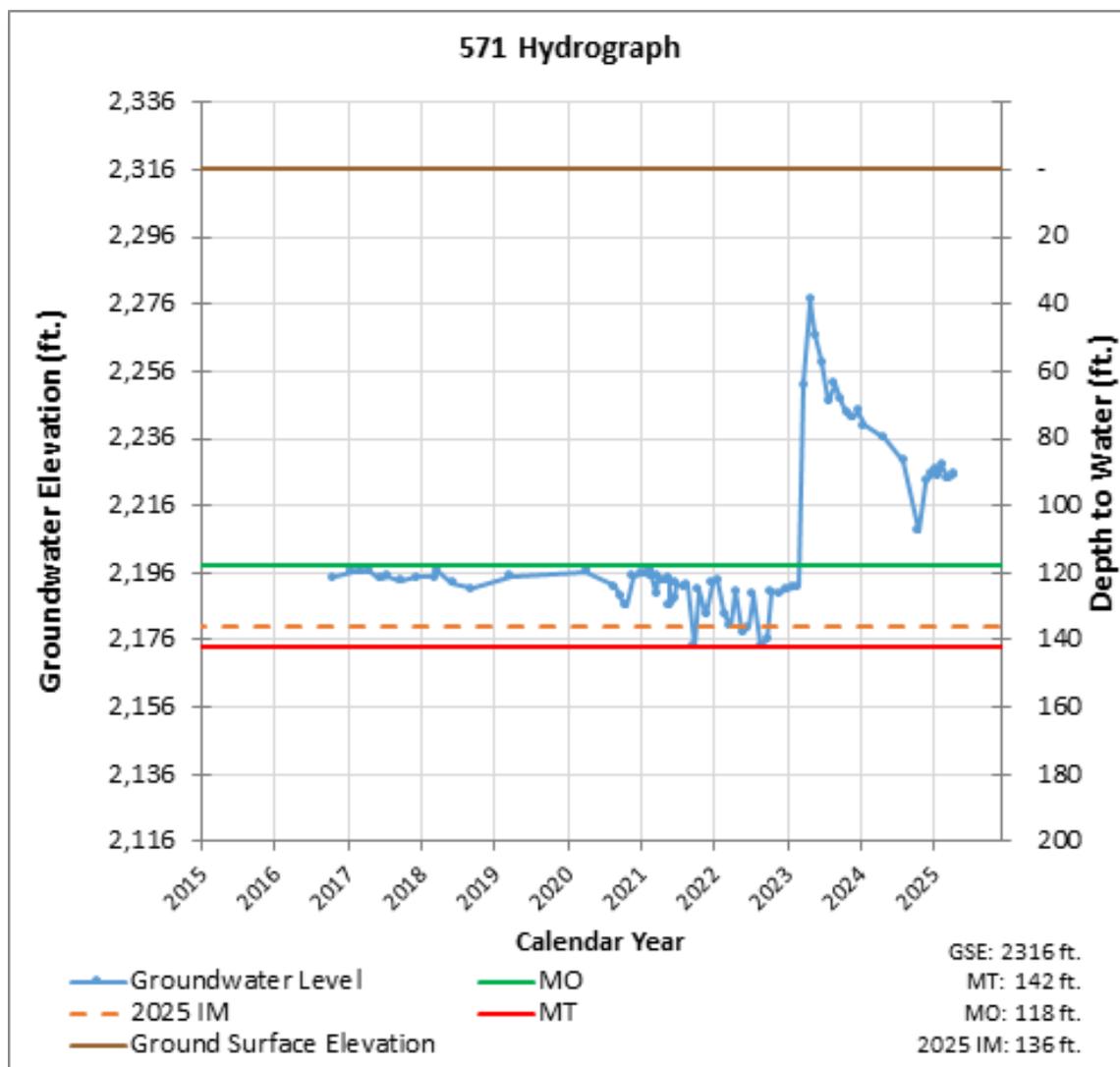
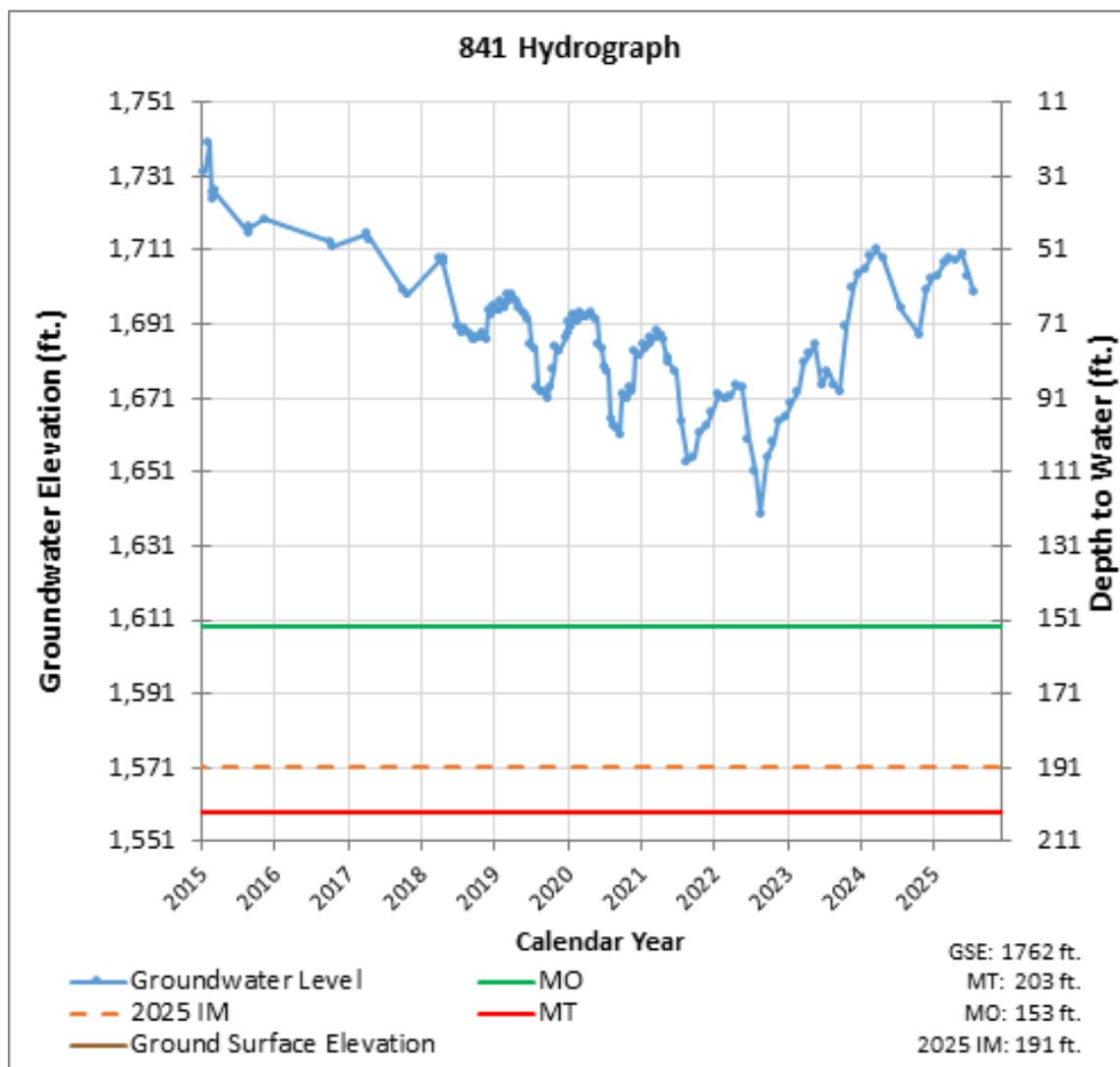


Figure 7: Northwestern Region – Well 841



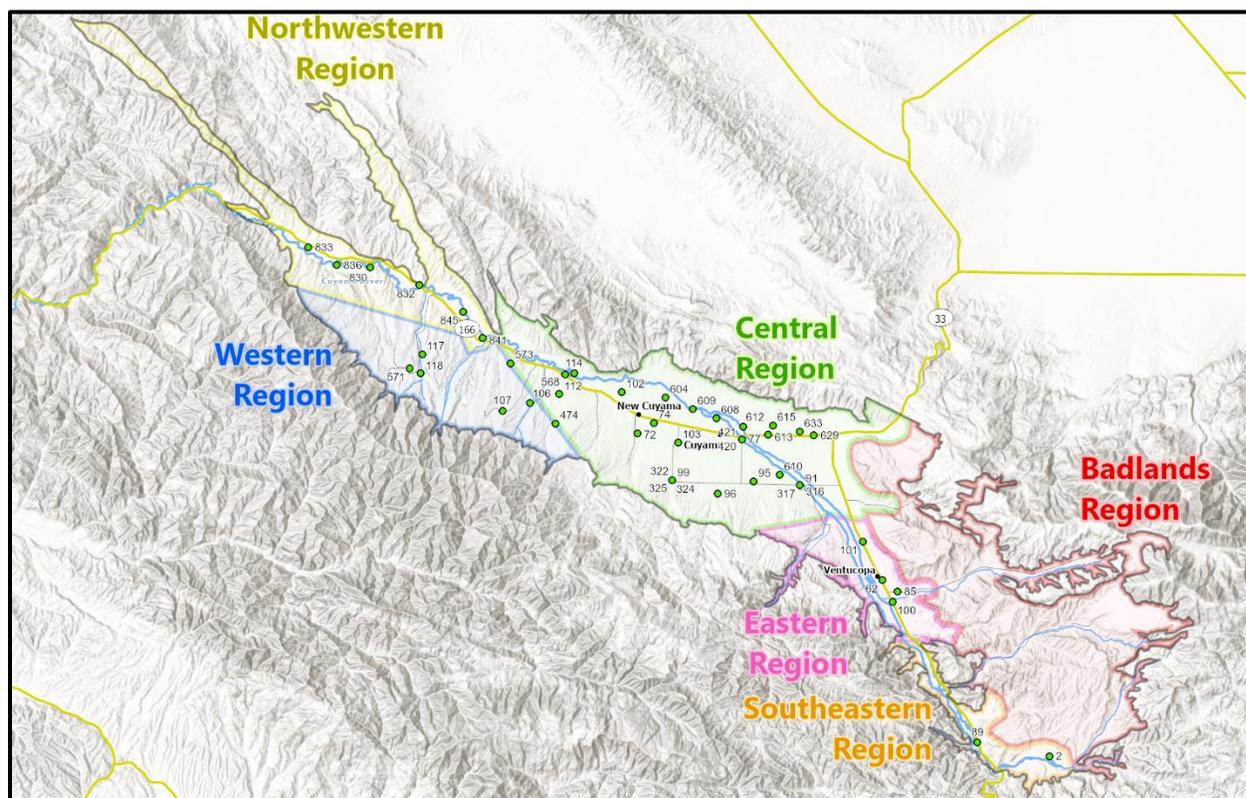


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

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

- Monitoring technician was unable to download data from the transducer:
 - Well 571
- Landowner changed and an access agreement has not been established with the current landowner:
 - Well 830

Additionally, the following changes have been made per direction of the CBGSA Board at their July 2025 meeting:

- Well 608 has been destroyed has been replaced with new Well 935. The new well is in the process of being incorporated into Opti.
- The minimum threshold for Well 118 has been adjusted from 40 to 72 feet (dtw) and the measurable objective has been adjusted from 10 feet to 42 feet (dtw).

