



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

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**Cuyama Basin
Groundwater
Sustainability Agency**

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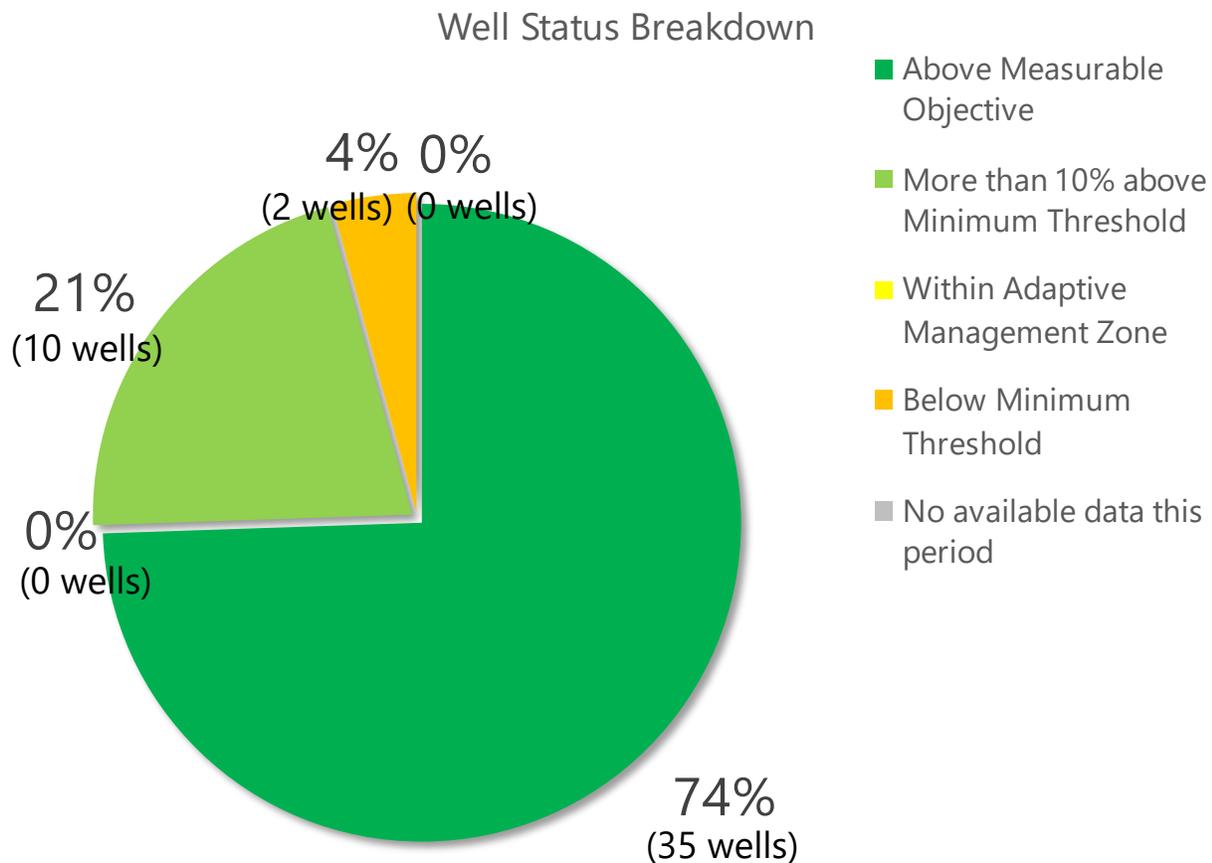
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1. INTRODUCTION

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	Jul-24	Oct-24	Jan-25	Last Year		Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
72	Central	-	2005	2034	2027	Jan-24	7.4
74	Central	1947	1942	1947	1940	Jan-24	6.6
77	Central	1754	1766	1791	1804	Jan-24	-12.7
91	Central	1804	1800	1806	1811	Jan-24	-5.1
95	Central	1868	1867	1867	1850	Jan-24	17.5
96	Central	2266	2266	2266	2273	Jan-24	-7.2
99	Central	2137	2145	2212	2216	Jan-24	-4
102	Central	-	1671	1763	-	-	-
103	Central	2046	2051	2054	2046	Jan-24	8.1
112	Central	2042	2043	2043	2041	Jan-24	1.8
114	Central	1881	1878	1879	1879	Jan-24	-0.2
316	Central	1804	1800	1804	1810	Jan-24	-5.6
317	Central	1806	1802	1806	1811	Jan-24	-5.3
322	Central	2134	2138	2211	2216	Jan-24	-4.5
324	Central	2168	2169	2210	2215	Jan-24	-4.6
325	Central	2194	2193	2211	2215	Jan-24	-3.9
420	Central	1750	1766	1791	1803	Jan-24	-11.8
421	Central	1778	1781	1795	1802	Jan-24	-6.7
474	Central	2234	2235	2234	2228	Jan-24	5.8
568	Central	1873	1858	1873	1874	Jan-24	-0.9

Well	Region	Jul-24	Oct-24	Jan-25	Last Year		Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
604	Central	1661	1650	1667	1655	Jan-24	12
608	Central	1740	1769	1790	-	-	-
609	Central	1691	1722	1725	1721	Jan-24	3.5
610	Central	1797	1795	1801	1808	Jan-24	-6.8
612	Central	1780	1805	1803	1797	Jan-24	6
613	Central	1814	1818	-	1799	Jan-24	-
615	Central	1794	1805	1795	1808	Jan-24	-12.6
629	Central	1791	1800	1802	1817	Jan-24	-15.4
633	Central	1794	1805	-	1796	Jan-24	-
62	Eastern	-	-	-	2793	Jan-24	-
85	Eastern	2902	2907	2908	2883	Jan-24	25
100	Eastern	2939	2935	2930	2911	Jan-24	18.5
101	Eastern	2654	2655	2671	2653	Jan-24	18.3
841	Northwestern	1695	1688	1704	1706	Jan-24	-2
845	Northwestern	1632	1632	1642	1641	Jan-24	0.9
2	Southeastern	3704	3686	3699	3697	Jan-24	1.8
89	Southeastern	3411	3409	3410	3390	Jan-24	20.5
106	Western	2176	2176	2176	2175	Jan-24	1.3
107	Western	2421	2419	2418	2422	Jan-24	-4.4
117	Western	1945	1945	1944	1947	Jan-24	-2.8
118	Western	2212	2212	2212	2211	Jan-24	0.6

Well	Region	Jul-24	Oct-24	Jan-25	Last Year		Elevation Change
		GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	GWL (ft. msl)	Month/Year	
571	Western	2230	2209	2225	2240	Jan-24	-15.1
573	Western	2012	2012	2012	2010	Jan-24	2.3
830	Far-West Northwestern	1515	-	-	1512	Jan-24	-
832	Far-West Northwestern	1606	1605	1605	1604	Jan-24	1.1
833	Far-West Northwestern	1435	1436	1436	1433	Jan-24	3.4
836	Far-West Northwestern	1478	1477	1477	1479	Jan-24	-1.6

*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	132	1/15/2025	373	369	328	790	Above Measurable Objective	No
74	Central	241	1/15/2025	322	321	309	-	Above Measurable Objective	No
77	Central	493	1/16/2025	514	509	464	980	More than 10% above Minimum Threshold	No
91	Central	675	1/17/2025	730	725	681	980	Above Measurable Objective	No
95	Central	589	1/17/2025	597	594	562	805	More than 10% above Minimum Threshold	No
96	Central	340	1/17/2025	369	368	361	500	Above Measurable Objective	No
99	Central	294	1/15/2025	379	378	368	750	Above Measurable Objective	No
102	Central	278	1/16/2025	470	466	432	-	Above Measurable Objective	No
103	Central	230	1/15/2025	379	374	324	1030	Above Measurable Objective	No
112	Central	83	1/16/2025	102	102	100	441	Above Measurable Objective	No
114	Central	46	1/16/2025	58	58	56	58	Above Measurable Objective	No
316	Central	676	1/17/2025	731	726	682	830	Above Measurable Objective	No
317	Central	675	1/17/2025	700	695	650	700	More than 10% above Minimum Threshold	No
322	Central	295	1/15/2025	387	386	378	850	Above Measurable Objective	No
324	Central	296	1/15/2025	365	364	353	560	Above Measurable Objective	No
325	Central	295	1/15/2025	331	330	323	380	Above Measurable Objective	No
420	Central	494	1/16/2025	514	509	464	780	More than 10% above Minimum Threshold	No

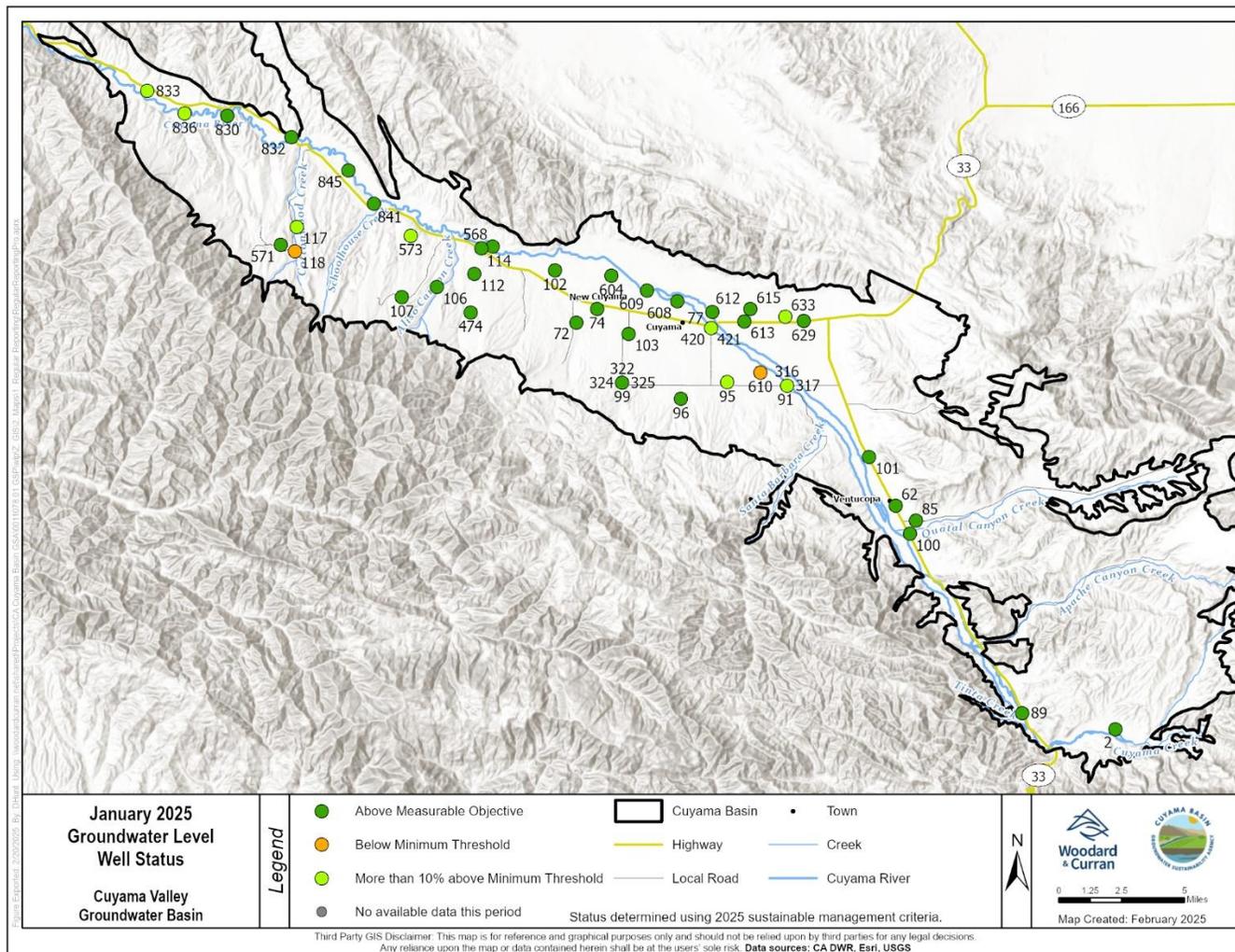
Well	Region	Current Month		Minimum Threshold	Within 10% Minimum Threshold	Measurable Objective	Well Depth	Status	GSA Action Required?
		GWL (DTW)	Date						
421	Central	490	1/16/2025	514	509	466	620	More than 10% above Minimum Threshold	No
474	Central	128	1/16/2025	197	195	178	213	Above Measurable Objective	No
568	Central	35	1/16/2025	47	47	46	188	Above Measurable Objective	No
604	Central	449	1/16/2025	544	540	505	924	Above Measurable Objective	No
608	Central	420	1/16/2025	504	501	475	745	Above Measurable Objective	No
609	Central	433	1/16/2025	499	495	462	970	Above Measurable Objective	No
610	Central	636	1/17/2025	557	554	527	780	Below Minimum Threshold (54 months)	No
612	Central	466	1/16/2025	513	511	490	1070	Above Measurable Objective	No
613	Central	-	-	578	575	550	830	No available data this period (Above MO in October 2024)	No
615	Central	525	1/16/2025	588	585	556	865	Above Measurable Objective	No
629	Central	576	1/16/2025	613	610	581	1000	Above Measurable Objective	No
633	Central	-	-	605	600	551	1000	No available data this period (More than 10% above MT October 2024)	No
62	Eastern	-	-	212	210	187	212	No available data this period (Above MO in April 2024)	No
85	Eastern	140	1/15/2025	200	198	176	233	Above Measurable Objective	No
100	Eastern	76	1/15/2025	186	183	157	284	Above Measurable Objective	No
101	Eastern	75	1/15/2025	138	136	115	200	Above Measurable Objective	No
841	Northwestern	55	1/20/2025	203	198	153	600	Above Measurable Objective	No
845	Northwestern	67	1/20/2025	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	21	1/15/2025	52	50	35	73	Above Measurable Objective	No
89	Southeastern	24	1/15/2025	62	60	42	125	Above Measurable Objective	No
106	Western	141	1/16/2025	164	163	152	228	Above Measurable Objective	No
107	Western	73	1/16/2025	122	120	103	200	Above Measurable Objective	No
117	Western	154	1/16/2025	163	162	154	212	More than 10% above Minimum Threshold	No
118	Western	50	1/16/2025	40	37	10	500	Below Minimum Threshold (52 months)	No
571	Western	90	1/16/2025	142	140	118	280	Above Measurable Objective	No
573	Western	66	1/16/2025	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	1/16/2025	50	49	35	132	Above Measurable Objective	No
833	Far-West Northwestern	18	1/15/2025	48	44	10	504	More than 10% above Minimum Threshold	No
836	Far-West Northwestern	29	1/15/2025	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 January 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

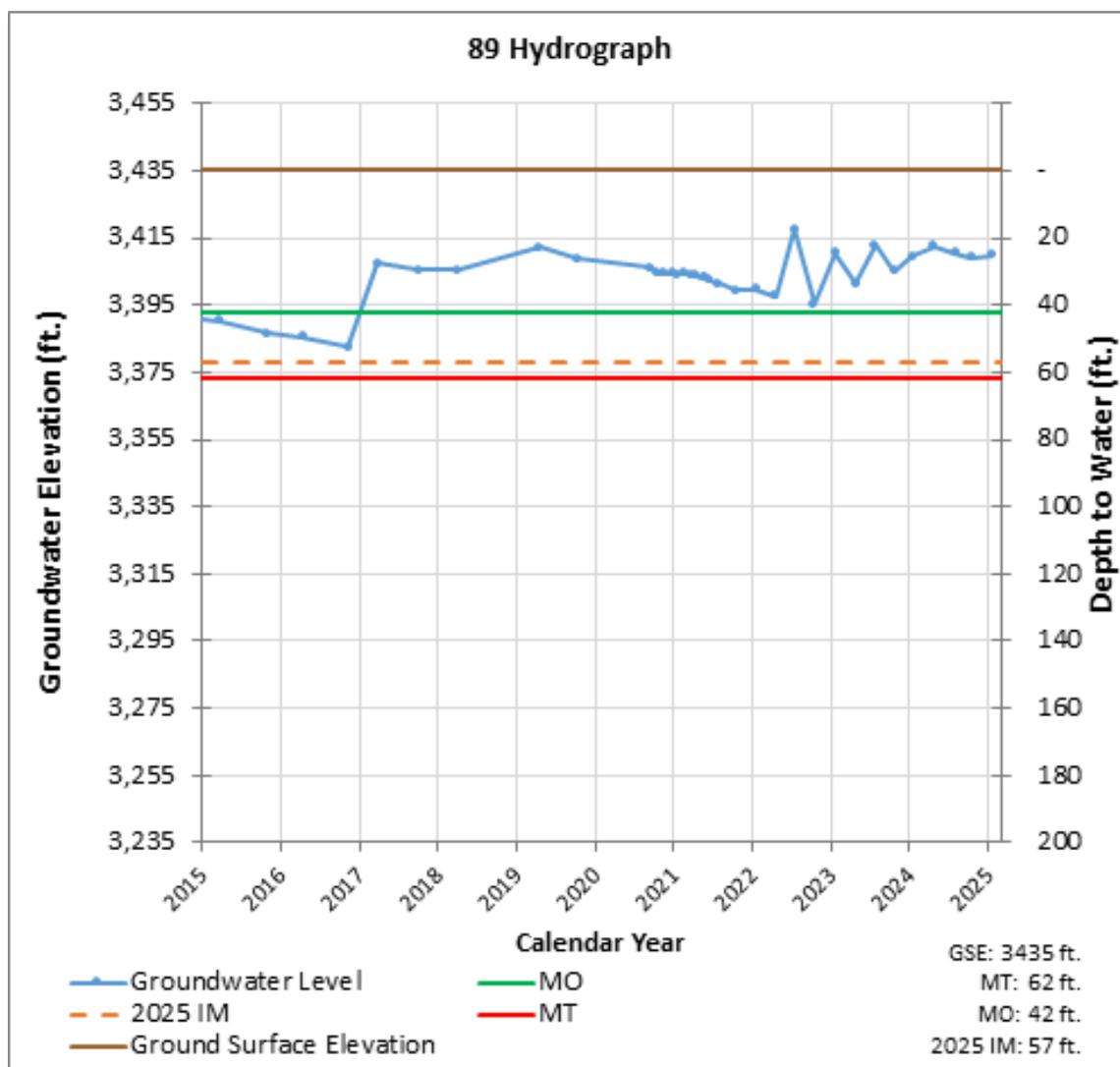


Figure 3: Eastern Region – Well 62

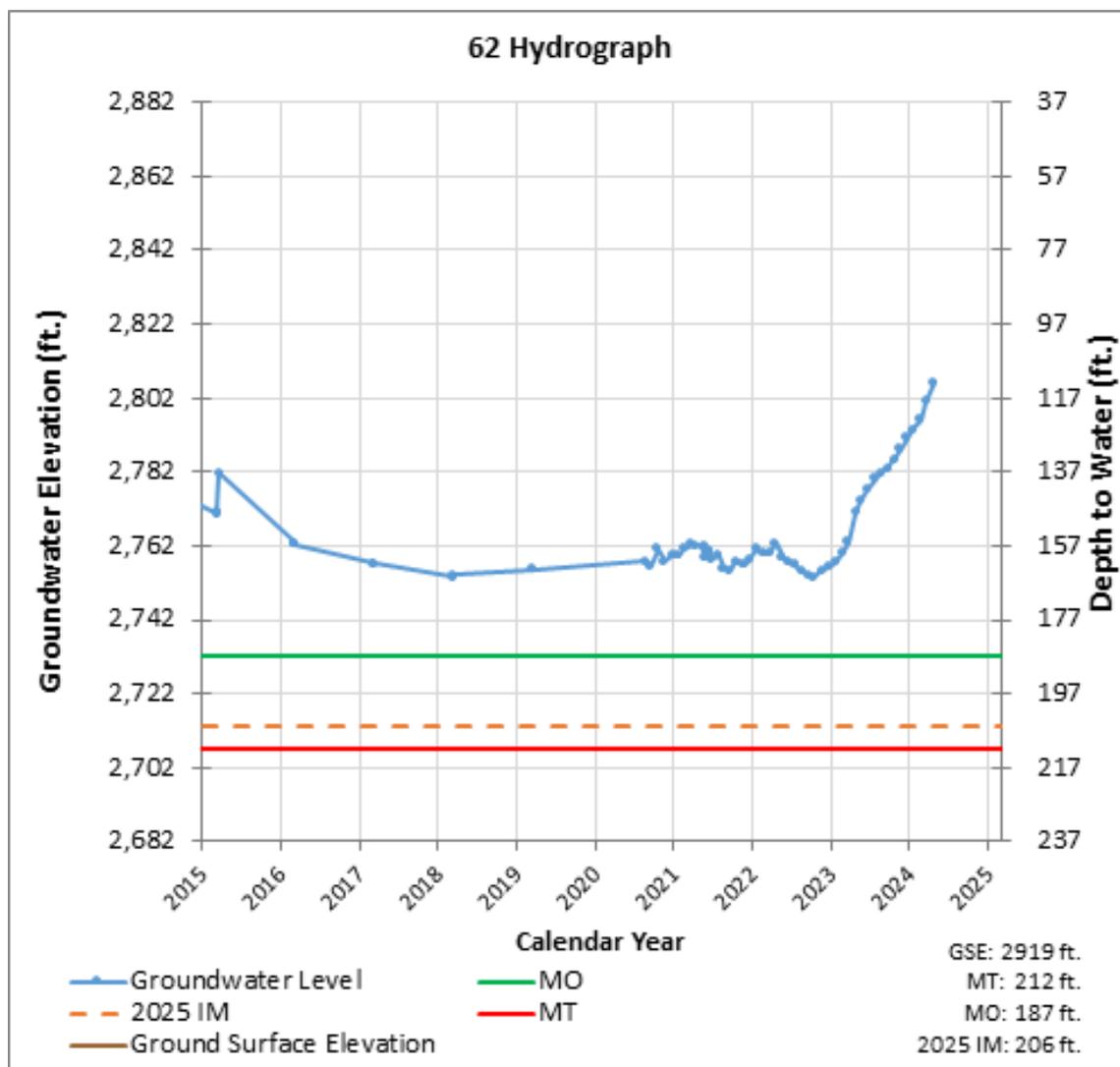


Figure 4: Central Region – Well 91

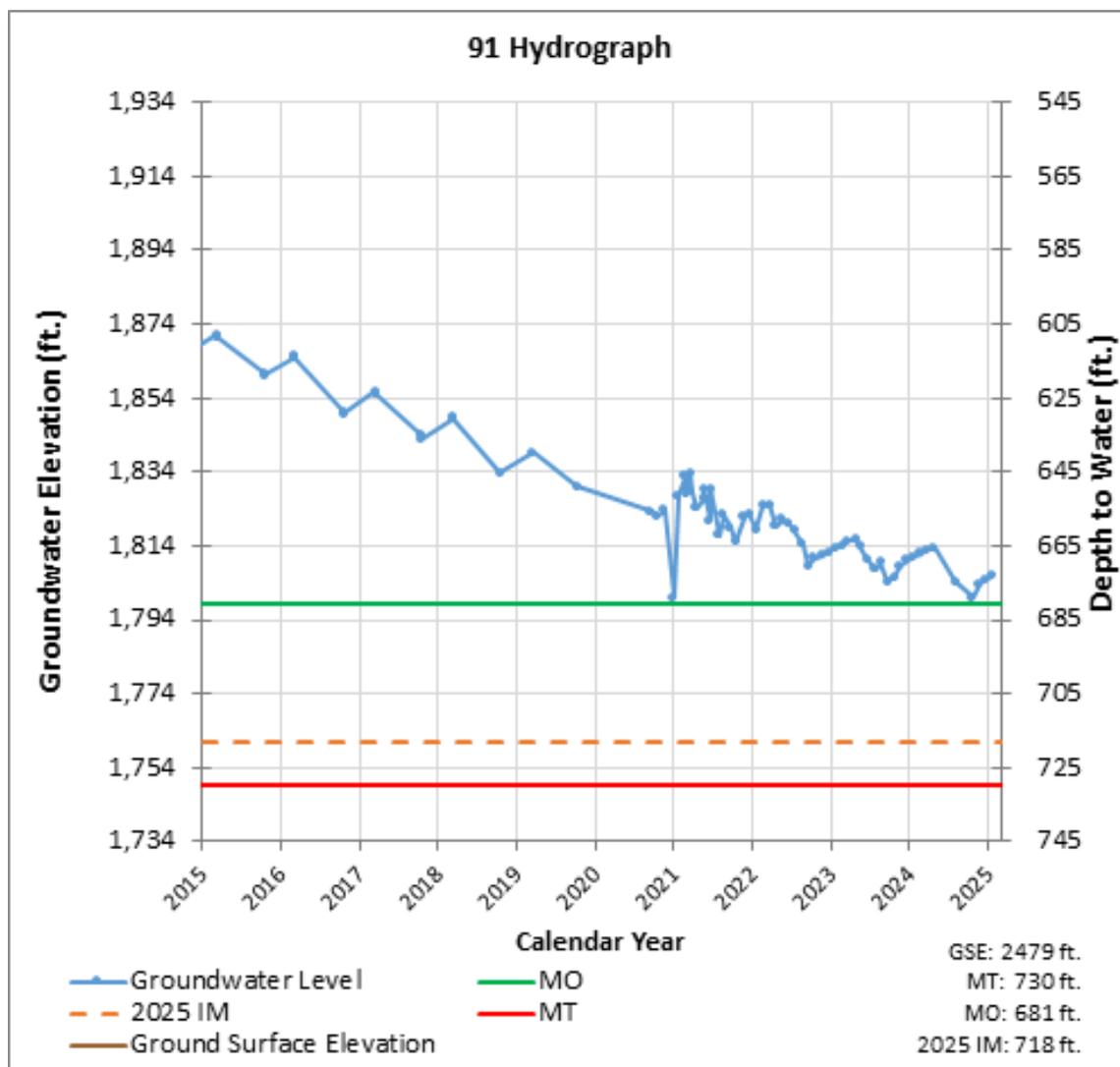


Figure 5: Central Region – Well 74

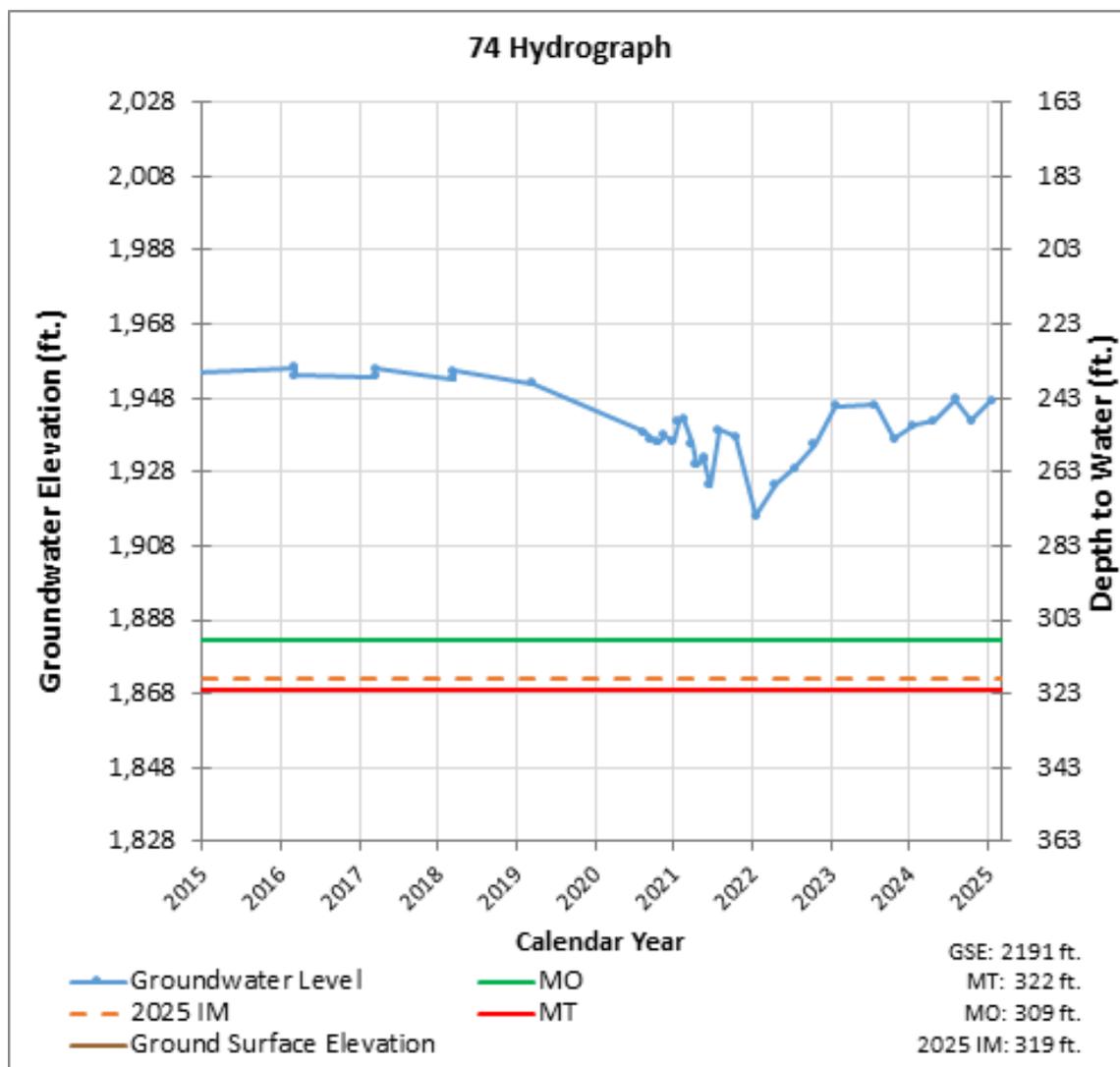


Figure 6: Western Region – Well 571

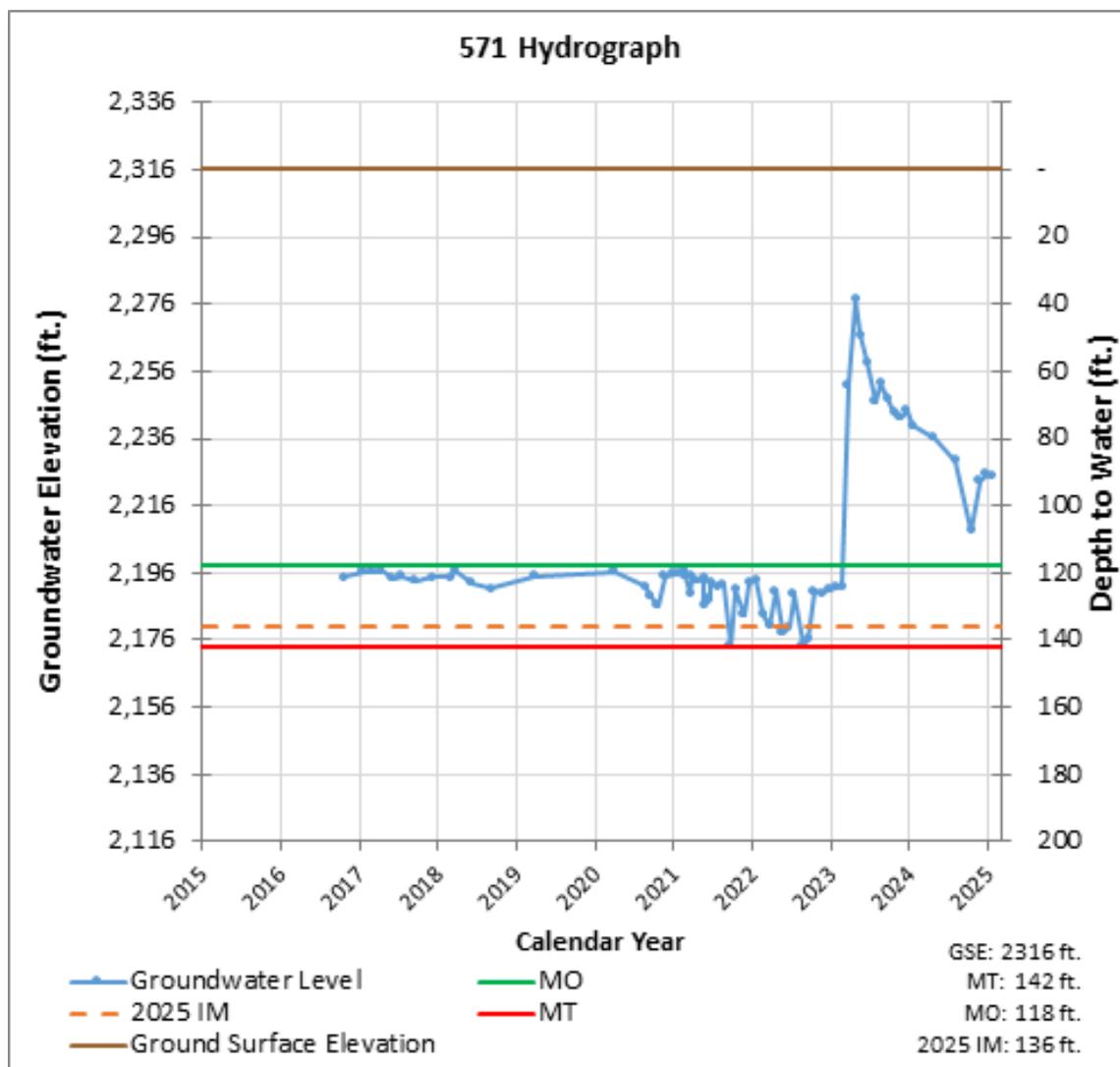
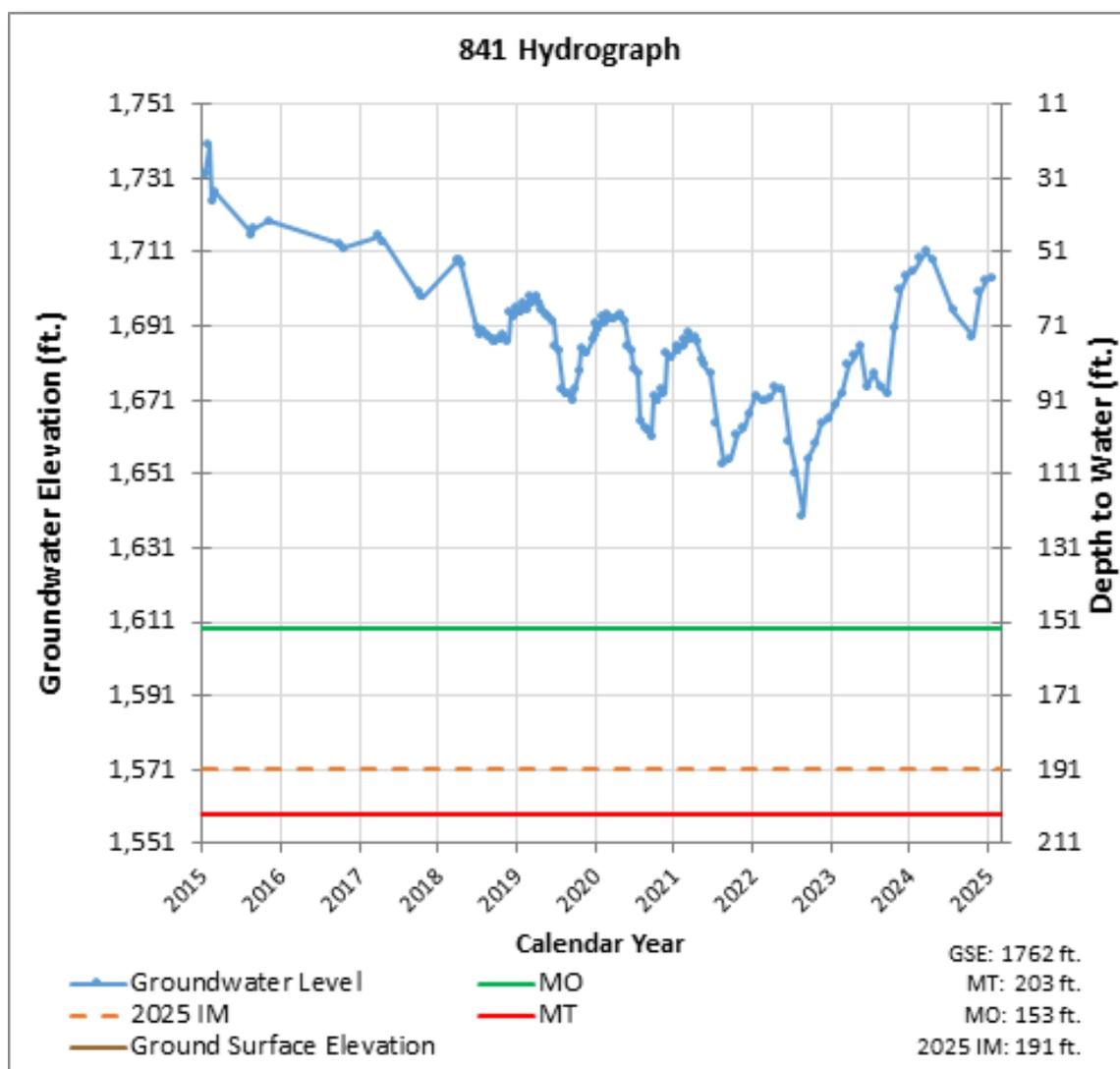


Figure 7: Northwestern Region – Well 841



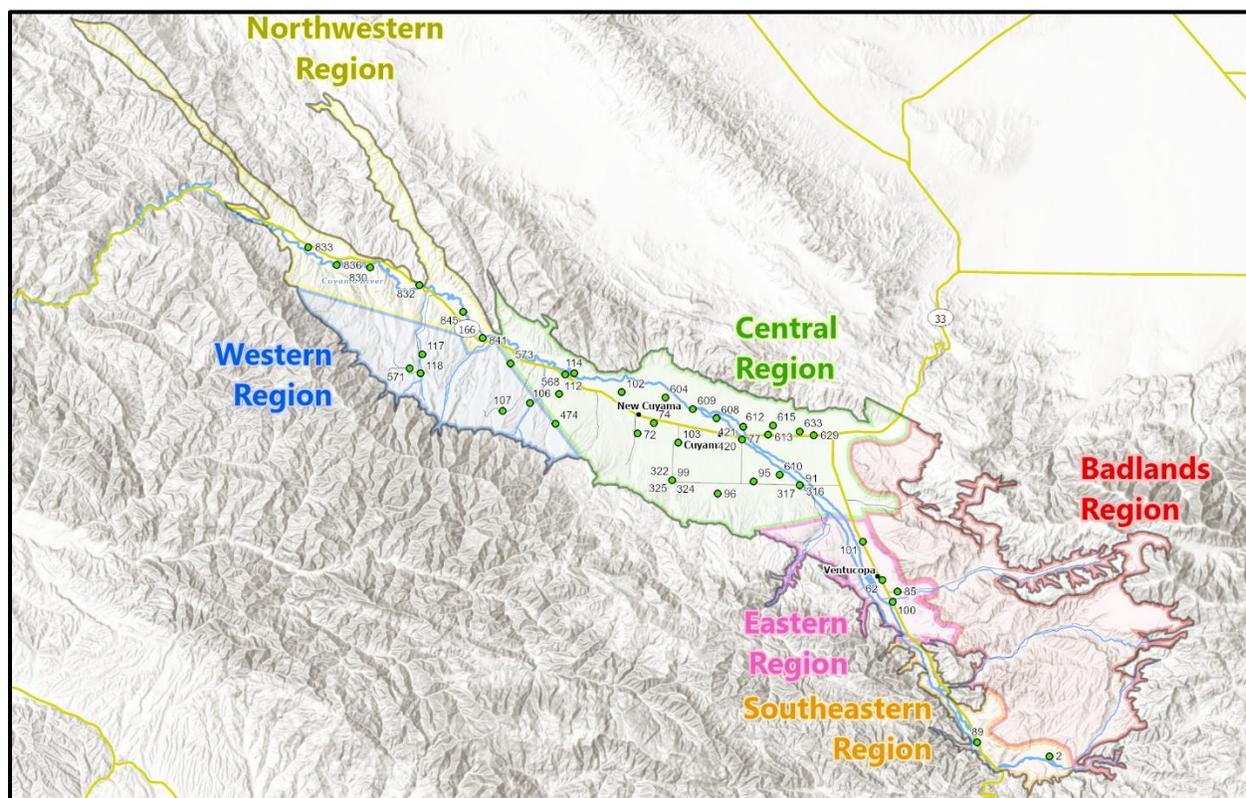


Figure 8: Threshold Regions in the Cuyama Groundwater Basin

5. MONITORING NETWORK UPDATES

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

- Landowner changed and an access agreements have not been established with the current landowner:
 - Wells 830
- Data not yet available due to transducer malfunction:
 - Wells 62
- Wellsite was locked at the time that the monitoring team arrived to take a measurement:
 - Wells 613 and 633

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.

