

EKI TECHNICAL PRESENTATION #45

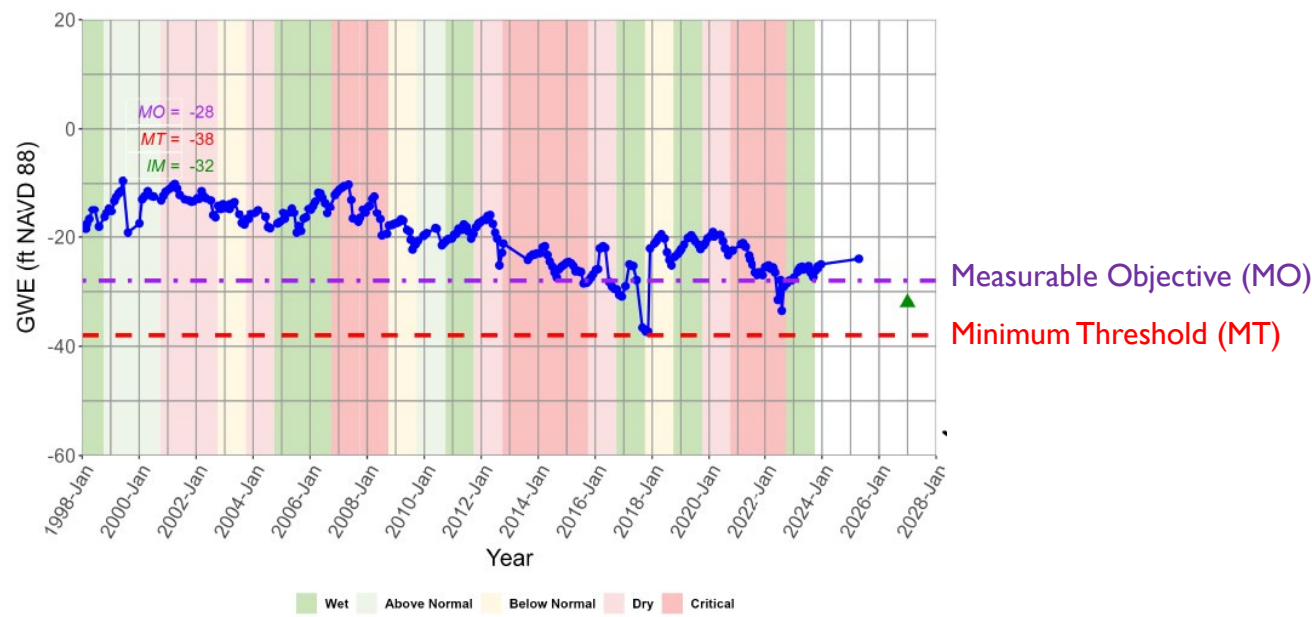
COSUMNES SUBBASIN GSP IMPLEMENTATION

07 JANUARY 2026

COSUMNES GROUNDWATER AUTHORITY BOARD OF DIRECTORS MEETING

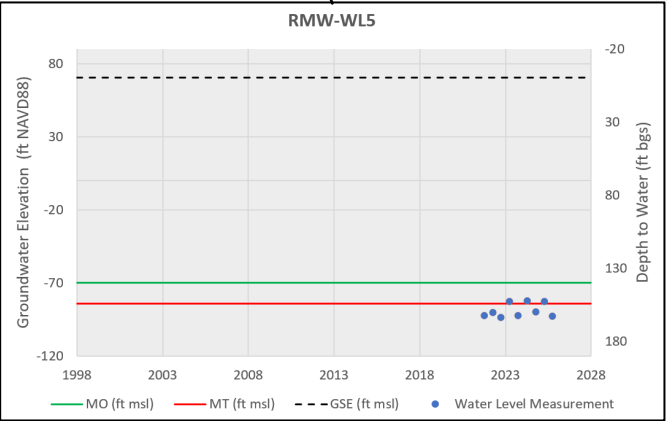
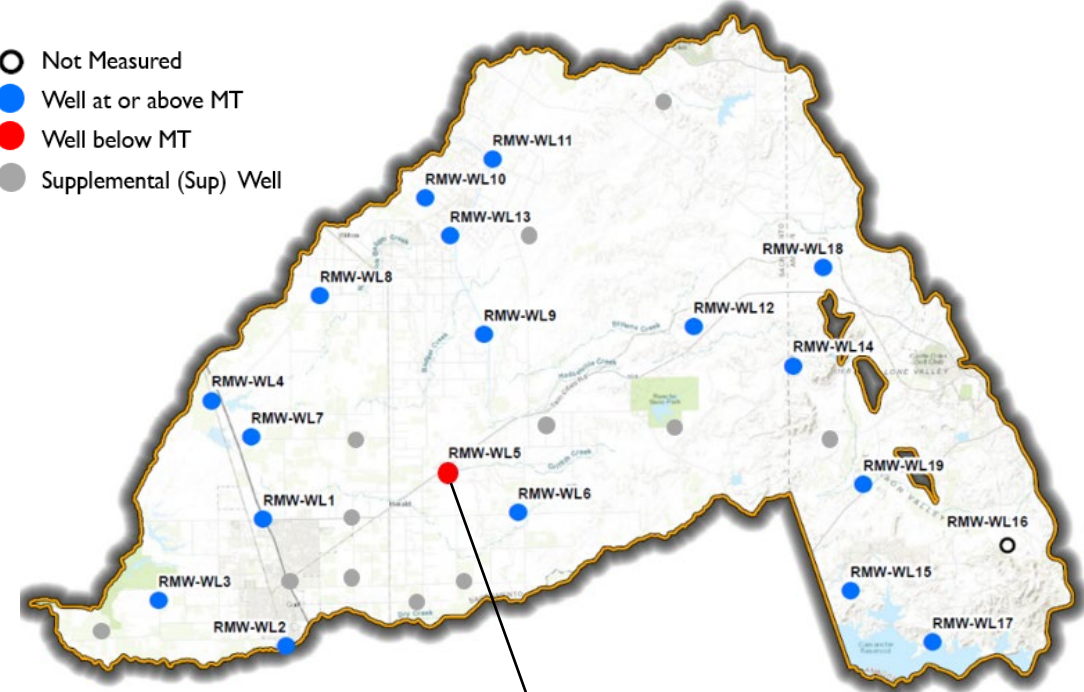
OUTLINE

- Fall 2025 Monitoring Event
 - Representative Wells for the Chronic Lowering of Groundwater Sustainability Indicator (RMW-WLs).
 - Representative Wells for the Interconnected Surface Water Sustainability Indicator (RMW-ISVs).



FALL 2025 MONITORING RESULTS

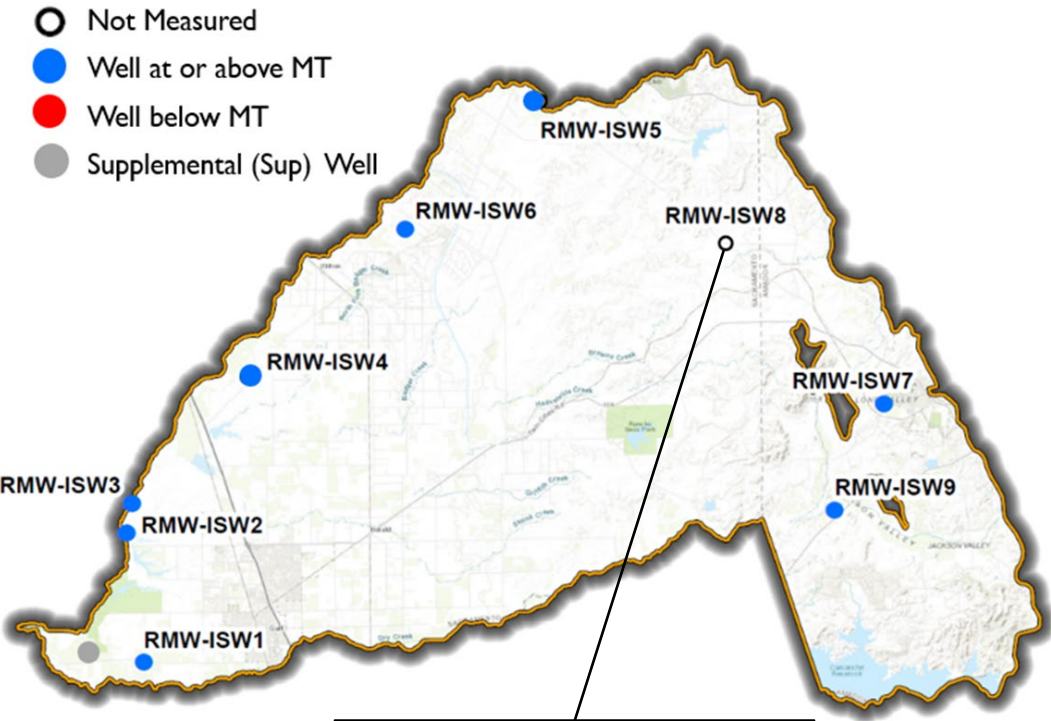
Chronic Lowering Of Groundwater Levels SMCs



- **18 of the 19 RMW-WLs were measured**
 - On average, water levels increased by two feet between Fall 2024 and Fall 2025.
 - 9 of the 19 wells were above the MO.
 - Need update from ACGMA on status of access agreement for RMW-WL16 (BVR_MW-01), which was the only well not measured.
- **One well (RMW-WL5) had water levels below the MT.**
 - The lowest water levels in the network are measured in this well, and the results substantially influence the mapped cone of depression.
 - Well depth and depth(s) of perforated interval(s) are critical data gaps for this well.
 - No historical water level data were available in 2022 to calculate SMCs, so placeholder values were estimated with the intent to update them as part of the GSP Plan Amendment.
 - 6 of the 9 historical measurements have been below the estimated SMC, and most of the low water levels occur in the fall but have recovered by the following spring.
 - Supplemental wells are needed to confirm the well is representative of the area.

FALL 2025 MONITORING RESULTS

Interconnected Surface Water SMCs



- **8 of the 9 RMW-ISWs were measured**
 - On average, water levels increased by less than one foot between Fall 2024 and Fall 2025.
 - Water levels in all measured wells were greater than the MT.
 - Water levels in 3 of the 8 measured wells were greater than the MO.
- **Water level not measured in RMW-ISW8**
 - Well is in poor condition and likely not reliable.
 - Monument is cracked.
 - No well cap securely attached.
 - Questionable historical water level data, including water levels at the top of casing (above land surface).
 - CGA will work with SRCD and EKI to find a replacement well as part of the GSP Amendment.

APPENDIX A – MONITORING DATA

RMW-WL MONITORING DATA (1 OF 2)

Network ID	MO (ft NAVD 88)	MT (ft NAVD 88)	Fall 2023		Spring 2024		Fall 2024		Spring 2025		Fall 2025	
			GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)
RMW-WL1	-55	-65	-47	92	-38	88	-46	96	-36	86	-41	91
RMW-WL2	-59	-69	-68	122	-52	107	-65	119	-55	109	-64	118
RMW-WL3	-46	-56	-25	50	-18	42	-35	59	-32	56	-29	54
RMW-WL4	-24	-39	-20	57	-2	38	-20	57	-3	39	-10	46
RMW-WL5 & RMW-WQ3	-70	-84	-92	163	-82	153	-90	160	-83	153	-93	163
RMW-WL6	-51	-78	-73	192	-69	186	-75	193	-69	186	-75	192
RMW-WL7	-28	-38	-26	75	-24	72	-26	74	-23	71	-26	73
RMW-WL8	-36	-48	-34	106	-28	99	-34	105	-29	100	-35	106
RMW-WL9 & RMW-WQ13	-75	-89	--	--	-64	170	-78	184	-78	184	-78	184
RMW-WL10 & RMW-WQ7	-22	-32	-30	116	-23	108	-30	116	-24	110	-29	114

Red text denotes measurements exceeding the MT

RMW-WL MONITORING DATA (2 OF 2)

Network ID	MO (ft NAVD 88)	MT (ft NAVD 88)	Fall 2023		Spring 2024		Fall 2024		Spring 2025		Fall 2025	
			GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)
RMW-WL11	-28	-38	-35	141	-31	137	-36	142	-30	136	-35	142
RMW-WL12	106	85	96	121	105	112	97	120	82	135	99	118
RMW-WL13	-36	-46	-43	168	-37	162	-42	167	-29	163	-44	169
RMW-WL14	250	232	251	116	251	116	251	116	251	116	251	116
RMW-WL15	141	119	124	151	126	149	126	149	126	149	124	150
RMW-WL16	269	259	--	--	--	--	--	--	--	--	--	--
RMW-WL17 & RMW-WQ11	116	89	194	39	194	39	195	38	196	37	196	37
RMW-WL18 & RMW-WQ9	195	185	198	24	198	24	198	24	214	23	213	24
RMW-WL19 & RMW-WQ10	171	161	172	12	173	11	172	12	172	12	172	12

Red text denotes measurements exceeding the MT

RMW-ISW MONITORING DATA (1 OF 1)

Network ID	MO (ft NAVD 88)	MT (ft NAVD 88)	Fall 2023		Spring 2024		Fall 2024		Spring 2025		Fall 2025	
			GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)	GWE (ft NAVD 88)	DTW (ft bgs)
RMW-ISW1	-18	-23	--	--	-2	27	-10	35	-5	30	-12	36
RMW-ISW2	-3	-6	--	--	10	8	-6	24	9	9	-5	23
RMW-ISW3	-4	-10	-1	27	15	11	-1	27	12	14	-3	29
RMW-ISW4	-14	-19	--	--	--	--	-18	70	-11	64	-16	70
RMW-ISW5 & RMW-WQ8	83	78	76	45	--	--	79	43	76	45	79	43
RMW-ISW6	-26	-31	-31	116	-23	108	-30	115	-23	109	-29	114
RMW-ISW7	257	247	252	17	258	11	255	13	256	13	253	16
RMW-ISW8	179	172	--	--	--	--	--	--	--	--	--	--
RMW-ISW9	171	164	172	12	172	12	172	12	172	12	172	12

Red text denotes measurements exceeding the MT