



NOTICE OF UPDATED CENTRAL MANAGEMENT AREA 2025-2029 GROUNDWATER ALLOCATIONS AND VARIANCE REQUEST FORM

November 8, 2024

Directors:

Cory Bantilan
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Vice Chair

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James M. Beck
Executive Director

Joe Hughes
Legal Counsel

Central Management Area Landowner:

On May 23, 2023, the Board of Directors of the Cuyama Basin Groundwater Sustainability Agency (CBGSA) established groundwater allocations for the Central Management Area (CMA) for Calendar Years 2023 and 2024.

Notice of Draft Allocations for 2025-2029

On November 6, 2024, the CBGSA Board provided direction on the implementation of 2025-2029 groundwater allocations in the updated CMA operational boundary including farm units and the draft groundwater allocations are enclosed as Attachment 1. A technical memo describing how these allocations were developed is enclosed as Attachment 2.

Allocation Implementation Timeline

The CBGSA Board adopted a process to establish groundwater allocations in the updated CMA operational boundary including farm units for 2025-2029 and the timeline is enclosed as Attachment 3.

Variance Process

If you believe there is an error with your groundwater allocation, please **submit a completed Variance Request Form (VRF)** (enclosed as Attachment 4) to Taylor Blakslee at 4900 California Ave, Tower B, Suite 210, Bakersfield, CA 93309, or via email to tblakslee@hgcpm.com **by December 6, 2024**. CBGSA staff will review VRF's with an ad hoc of the Board. Variance requesters will be provided with an opportunity to meet with the ad hoc and staff to explain their request, and the CBGSA will provide each requester with a recommendation letter that will be presented to the full Board. Variance requesters will also have an opportunity to address the full Board prior to determinations on final allocations at the January 15, 2025, Board meeting. A \$250 fee is required for each VRF and will be reimbursed if the CBGSA determines a correction is due to an error with CBGSA's records. If the Board approves a submitted VRF, the allocation will be recalculated and distributed to all CMA landowners by February 7, 2025.

Please feel free to contact Taylor Blakslee at (661) 477-3385, or tblakslee@hgcpm.com if you have any questions regarding this matter.

Sincerely,

A handwritten signature in blue ink that reads "Taylor Blakslee".

Taylor Blakslee
Assistant Executive Director
Cuyama Basin Groundwater Sustainability Agency

Enclosures

				CBWRM v0.20; Baseline = 2021		CBWRM v0.30; Baseline = 1998-2017 Average							
Maximum Annual Pumping (af)-->				44,254		33,145		31,364		29,582		27,801	
Grouping	Subgroup/ Farming Unit Components	Percentage of Allocation (2025-2029)	Acres Included in 2025-2029 CMA + Farming Unit Acre	Pumping Allocation for 2025		Pumping Allocation for 2026	Pumping Allocation for 2027	Pumping Allocation for 2028	Pumping Allocation for 2029				
				Acre-feet		Acre-feet	Acre-feet	Acre-feet	Acre-feet	Acre-feet			
1	2961 Highway LLC	n/a	1.82%	468.0	805.64	603.41	570.98	538.55	506.12				
2	Ann Buck	n/a	0.32%	40.0	142.26	106.55	100.82	95.10	89.37				
3	CCSH Farms, Doug Slumskie	n/a	0.31%	40.0	137.81	103.22	97.67	92.12	86.57				
4	David Lewis	n/a	0.04%	85.1	16.78	12.57	11.90	11.22	10.54				
5	Duncan Family Farms, LLC/Aguila G Bc	n/a	0.43%	132.2	189.04	141.59	133.98	126.37	118.76				
Total Grimmway			38.72%		17,134.90	12,833.73	12,143.95	11,454.17	10,764.39				
6	Grimmway Enterprises, Inc			13,474.0	1,738.25	1,301.91	1,231.94	1,161.97	1,091.99				
	Caliente Ranch Cuyama		3.93%		3,764.65	2,819.65	2,668.10	2,516.55	2,365.00				
	Diamond Farming Co		8.51%		4,632.81	3,469.89	3,283.39	3,096.89	2,910.40				
	Lapis Land Company		10.47%		6,999.20	5,242.28	4,960.52	4,678.76	4,397.00				
	Ruby Land Company		15.82%										
7	Harrington Family Trust	n/a	0.05%	151.5	20.57	15.41	14.58	13.75	12.92				
8	Hoekstra Family Trust	n/a	1.00%	460.4	441.34	330.55	312.79	295.02	277.25				
9	JHP Global/Joo Capital	n/a	1.54%	892.3	682.07	510.86	483.40	455.94	428.49				
Total Kern Ridge Growers			5.67%		2,510.48	1,880.30	1,779.24	1,678.18	1,577.12				
10	Kern Ridge Growers, LLC			1,909.1	69.23	51.85	49.06	46.28	43.49				
	Daria Trust		0.16%		389.06	291.40	275.74	260.07	244.41				
	Farry Michael		0.88%		-	-	-	-	-				
	Groetzinger Eric/Pauline Rae		0.00%		2,052.19	1,537.05	1,454.44	1,371.83	1,289.22				
	Kern Ridge Growers LLC		4.64%										
Total Sunrise Olive Ranch			4.49%		1,986.50	1,487.85	1,407.89	1,327.92	1,247.95				
11	Sunrise Olive Ranch, LLC			934.2	23.13	17.32	16.39	15.46	14.53				
	Reinhard, Carl Jr. (et al)		0.05%		1,963.37	1,470.53	1,391.49	1,312.46	1,233.42				
	Sunrise Ranch Properties		4.44%										
12	Tri-County Pistachio	n/a	0.98%	192.0	433.32	324.55	307.10	289.66	272.22				
13	Triple H Farming, LLC, Jason, Roy, & R	n/a	0.32%	38.5	141.26	105.80	100.11	94.43	88.74				
Total Wm. Bolthouse Farms			44.09%		19,511.36	14,613.66	13,828.21	13,042.76	12,257.32				
14	Wm. Bolthouse Farms, Inc.			13,495.2	7,447.93	5,578.37	5,278.54	4,978.72	4,678.90				
	Belden Family		16.83%		10,838.75	8,118.03	7,681.70	7,245.38	6,809.06				
	Bolthouse Land Company		24.49%		509.62	381.70	361.18	340.66	320.15				
	Bolthouse Properties		1.15%		127.12	95.21	90.09	84.98	79.86				
	Cuyama Solar		0.29%		587.94	440.36	416.69	393.02	369.35				
	Lear Real Estate Enterprises		1.33%										
15	Other	n/a	0.23%	n/a	100.20	75.05	71.02	66.98	62.95				
				100.00%	32,312.51	44,253.54	33,145.10	31,363.63	29,582.17	27,800.70			

PUMPING ALLOCATIONS IN THE CENTRAL MANAGEMENT AREA

Baseline Options Approved by CBGSA Board, Nov 6, 2024				Acre-feet
	<i>Pumping Years</i>	<i>Model Used</i>	<i>Used for Allocation Years</i>	<i>Baseline</i>
Option 3	2021	CBWRM v0.20	2025	50,619
Option 9	1998-2017	CBWRM v0.30	2026-2029	39,449

Option 3 - CBWRM v0.20; Baseline = 2021		Acre-feet
(1) Calculations to Determine Base Amount to Reduce		
Baseline Option 3 (domestic use excluded)		50,619
Model Result - 2024 CMA + Farm Unit Sustainable Yield		12,042
Base amount to reduce in Central MA + Farm Unit		38,577

Option 9 - CBWRM v0.30; Baseline = 1998-2017 Average		Acre-feet
(1) Calculations to Determine Base Amount to Reduce		
Baseline Option 9 (domestic use excluded)		39,449
Model Result - 2024 CMA + Farm Unit Sustainable Yield		12,042
Base amount to reduce in Central MA + Farm Unit		27,407

(2) Estimated Reduction in Pumping				
Year	Glide path	Amount to Reduce (af)	Maximum Annual Pumping (af)	Remaining Overdraft (af)
2023	5.0%	n/a	n/a	n/a
2024	5.0%	n/a	n/a	n/a
2025	6.5%	2,508	44,254	32,212
2026	6.5%	1,781	33,145	21,103
2027	6.5%	1,781	31,364	19,322
2028	6.5%	1,781	29,582	17,541
2029	6.5%	1,781	27,801	15,759
2030	6.5%	TBD	TBD	TBD
2031	6.5%	TBD	TBD	TBD
2032	6.5%	TBD	TBD	TBD
2033	6.5%	TBD	TBD	TBD
2034	6.5%	TBD	TBD	TBD
2035	6.5%	TBD	TBD	TBD
2036	6.5%	TBD	TBD	TBD
2037	6.5%	TBD	TBD	TBD
2038	5.5%	TBD	TBD	TBD
2039	0.0%	TBD	TBD	TBD
2040	0.0%	TBD	TBD	TBD

100%

132	148-10-042	ZANNOX 2014 LIVING TRUST	Tr County Pitalcdo	40.69	Yes	1	5719	6405	1.51	1.50	1.49	1.31	1.46	1.97	99.66	101.63	111.17	116.34	119.38	108.89	131.58	121.63	4.89	3.21	111.24	109.30	63.44	0.18%	71.17	53.30	50.44	47.57	44.71			
133	148-10-041	TRENDS ON CAMP 1	Other	16.02	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
134	148-10-018	FARRI MICHAEL	Ken Ridge Grovms, LLC	38.24	Yes	0	7690	5949	96.40	124.55	103.55	133.32	75.24	144.97	56.18	64.83	69.99	1.83	2.35	4.49	87.58	146.37	107.75	56.80	21.10	11.20	21.25	71.20	0.18%	79.87	59.82	56.61	53.29	50.17		
135	148-10-009	KERN RIDGE GROVMS, LLC	Ken Ridge Grovms, LLC	16.29	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
136	148-10-017	KERN RIDGE GROVMS, LLC	Ken Ridge Grovms, LLC	18.65	Yes	0	10488	12744	121.30	96.47	113.72	142.62	144.17	97.27	34.97	106.69	141.79	181.77	141.19	91.22	144.19	181.77	141.19	91.22	144.19	181.77	141.19	91.22	144.19	181.77	141.19	91.22	144.19	181.77	141.19	91.22
137	148-10-037	FARRI MICHAEL	Ken Ridge Grovms, LLC	78.97	Yes	0	19683	23859	157.35	116.41	177.17	152.56	159.09	40.55	189.1	254.26	288.92	0.00	5.04	5.06	248.90	207.17	13.13	186.92	177.67	318.84	311.99	147.84	0.18%	165.85	124.22	117.54	110.87	104.19		
138	148-10-040	ZANNOX 2014 LIVING TRUST	Tr County Pitalcdo	33.47	Yes	0	6841	6571	44.32	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	104.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
139	148-10-000	KERN RIDGE GROVMS, LLC	Ken Ridge Grovms, LLC	19.47	Yes	0	4883	5737	14.08	24.2	13.01	27.63	36.88	0.00	5.98	68.63	69.63	0.00	0.00	60.04	387	88.2	45.13	47.69	77.43	74.91	33.23	0.08%	37.28	24.82	24.82	24.82	24.82			
140	148-10-022	GROZETZNER EBE, PAULINE REA	Ken Ridge Grovms, LLC	40.93	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
141	148-10-025	KERN RIDGE GROVMS, LLC	Ken Ridge Grovms, LLC	74.2	Yes	0	2445	7445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	74.2	2445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
142	148-10-044	ZANNOX 2014 LIVING TRUST	Tr County Pitalcdo	80.63	Yes	1	11947	131.38	2.29	1.75	1.65	1.91	1.53	24.43	195.90	205.56	228.24	236.54	240.33	221.76	274.80	241.95	299.31	266.88	231.33	225.89	156.28	0.40%	173.31	161.30	124.25	114.37	110.13			
143	148-10-046	WUCHOFFERMAN, JOSEPH ADAM	Tr County Pitalcdo	21.21	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
144	148-10-046	ZANNOX 2014 LIVING TRUST	Tr County Pitalcdo	41.29	Yes	0	5004	54.52	57.94	63.85	78.29	64.83	80.18	96.30	97.89	89.75	109.97	96.42	117.75	107.37	93.40	91.56	94.56	84.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	148-10-047	HARRINGTON JACSON M & MARY BO HYOCALVE LIVING TRUST	Tr County Pitalcdo	32.29	Yes	2	8156	86.27	93.69	107.87	121.23	94.85	124.90	125.48	124.17	133.39	136.98	142.87	134.28	156.56	144.99	166.80	148.88	136.93	136.22	125.92	0.32%	95.01	71.16	67.33	63.51	59.69				
146	148-10-047	KERN RIDGE GROVMS, LLC	Ken Ridge Grovms, LLC	14.33	Yes	0	1148	12.53	42.22	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	14.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
147	148-10-030	FWF HOLDINGS LLC	Other	74.34	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
148	148-10-020	SHARMA, SHIV R	COV Farms, Doug Sumlake	42.14	Yes	0	78	85.64	89.98	107.18	119.34	90.08	122.81	123.81	120.77	120.25	136.20	135.72	142.93	166.44	141.16	162.30	144.16	162.30	144.16	162.30	144.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
149	148-10-026	SHARMA, SHIV R	COV Farms, Doug Sumlake	14.16	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	148-10-019	FARRI MICHAEL	Ken Ridge Grovms, LLC	55.37	Yes	0	9128	35.46	87.89	181.11	109.52	179.84	166.72	166.28	28.14	36.64	37.62	0.89	0.47	2.25	206.50	227.24	197.73	132.10	34.50	32.21	145.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
151	148-10-020	BEHN FAMILI ET AL	Other	32.71	Yes	0	4241.3	5593.4	784.60	601.35	910.46	499.00	500.22	64.23	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	692.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
152	148-10-003	USA	Other	42.06	Yes	0	0.29	1.91	1.13	2.08	1.33	1.19	1.53	24.43	195.90	205.56	228.24	236.54	240.33	221.76	274.80	241.95	299.31	266.88	231.33	225.89	156.28	0.40%	173.31	161.30	124.25	114.37	110.13			
153	148-10-018	USA	Other	41.35	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
154	148-10-033	SEPV DUYAMA LLC	Other	20.22	Yes	0	0.01	0.11	0.02	0.12	0.03	0.01	0.01	0.09	0.01	0.12	0.00	0.00	0.02	0.10	0.12	0.02	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	148-10-011	BEHN ANNN MARIE	Other	82.35	Yes	0	0.09	0.11	0.01	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.02	0.14	0.03	0.13	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
156	148-10-010	BEHN ANNN MARIE	Other	26.71	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
157	148-10-005	USA	Other	88.34	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
158	148-10-011	USA	Other	74.54	Yes	0	8.77	11.72	101.14	47.65	58.61	68.84	84.76	75.07	78.03	81.39	90.30	97.70	72.46	75.37	82.58	86.79	4.01	1.37	2.10	2.41	59.98	0.15%	67.28	50.30	47.68	44.98	42.27			
159	148-10-027	KIM MU SEUNG	Other	62.16	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	148-10-029	SCHENBT D'ON	Other	64.06	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
161	148-10-021	HOEKSTRA DANIEL	Hoekstra Family Trust	37.84	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
162	148-10-040	KIM MU SEUNG	Other	21.26	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
163	148-10-016	USA	Other	37.84	Yes	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
164	148-10-016	DARBA TRUST	Ken Ridge Grovms, LLC	317.88	Yes	0	6128	19.62	56.17	114.84	64.67	114.70	109.14	105.93	170.38	23.28	22.95	1.02	0.85	7.00	138.15	145.34	88.43	88.03	38.87	31.25	61.71	0.16%	69.23	51.85	49.06	46.28	43.49			
165	148-10-017	HARRINGTON FAMILY TRUST 7/20/02																																		

Technical Memorandum



Cuyama Basin Groundwater Sustainability Plan Implementation

Subject: Computation of Central Management Area Pumping Allocations
Prepared for: Cuyama Basin Groundwater Sustainability Agency (CBGSA)
Prepared by: Woodard & Curran
Date: November 8, 2024

Background

On November 6, 2024, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) Board directed Woodard & Curran to calculate the year 2025 through 2029 pumping allocations for each parcel in the Central Management Area (CMA) plus additional parcels included as part of farming units using a methodology that assigns Cuyama Basin Water Resources Model (CBWRM) estimated pumping for each element based on each parcel's irrigated acreage and estimated crop water use.

The CBWRM model is a fully integrated surface and groundwater flow model covering the entire Cuyama Basin. The CBWRM was developed as part of the development of the Cuyama Basin Groundwater Sustainability Plan (GSP) and is documented in GSP Appendix 2-C, which is available on the CBGSA website. For the 2025 GSP Update, the CBWRM was updated to incorporate additional data that was not previously available. The updated version of the CBWRM (v0.30) was presented to the CBGSA Board in July 2024; these pumping allocations were estimated using outputs from this version of the CBWRM model.

In September 2024, the CBGSA Board adopted an updated CMA boundary that was developed using outputs of CBWRM v0.30. Additional parcels were incorporated that reflected farming unit applications received by the CBGSA. The updated CMA boundary plus additional farming unit parcels are shown in Figure 1.

The CBWRM model is developed using a grid of model elements (see Figure 2). Pumping is estimated in each model element in each time step based on an assumed crop acreage derived from historical cropping datasets. The pumping allocations for 2025 through 2029 were developed by post-processing the estimated pumping by model element as described below.

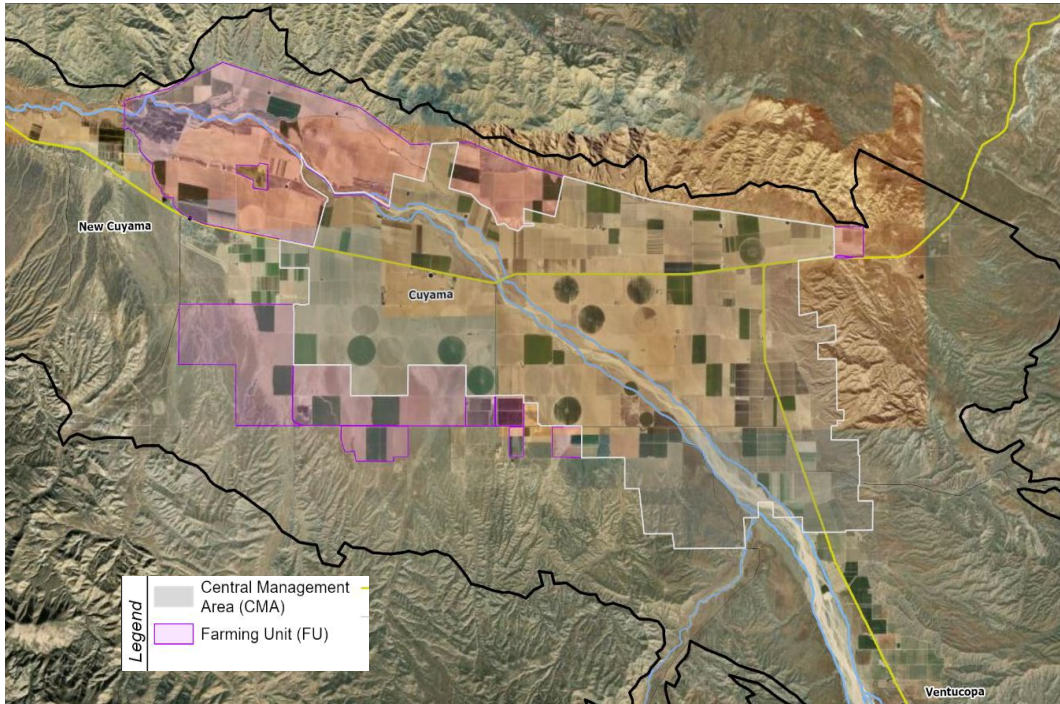


Figure 1. Updated Central Management Area and Farming Units

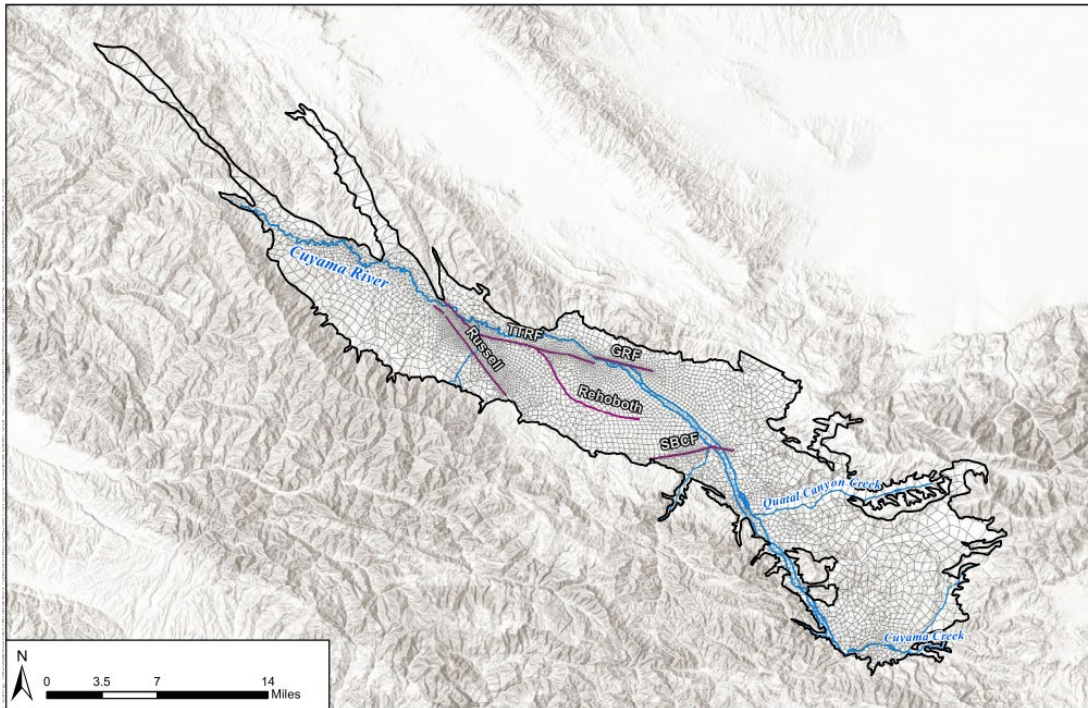


Figure 2. CBWRM Model Element Grid

Available Historical Cropping and Crop Water Use Data

The following cropping data is available in GIS format:

- Land-owner provided data in each year from 1998-2021
- LandIQ/DWR estimated data for 1996, 2000, 2003, 2006, 2009, 2012, 2014, 2016, and 2018, 2020, 2021, 2022 and 2023

As discussed above, these datasets were used to estimate the land use by model element in the CBWRM for the historical period from 1998-2023. In addition, the post-processing methodology uses these datasets to estimate historical pumping by parcel as described below.

For the post-processing methodology, the per-acre water supply requirement was estimated for each crop using the agricultural supply requirement information from the historical simulation.

Process for Development of Pumping Allocations by Parcel

The following steps were used to develop the pumping allocations for each parcel.

1. Estimate pumping by parcel within the CMA (or farming unit) from 1998-2017
2. Estimate total baseline CMA (plus farming unit) pumping
3. Estimate sustainable yield in the CMA (plus farming unit)
4. Determine share of total CMA plus farming unit pumping to assign to each parcel
5. Determine pumping allocation for each parcel in 2025 through 2029

Each step is described below.

1. Estimate Pumping by Parcel within CMA (or farming unit) from 1998-2017

Agricultural supply requirement amounts estimated by CBWRM for each model element in each simulation year were utilized to estimate groundwater pumping applied in each parcel boundary. However, because model element boundaries do not align with parcel boundaries (see Figure 3), the pumping used in each element was distributed among the parcels that overlaid that element in proportion to each parcel-element intersection area's estimated water use. This estimated water use is calculated as the irrigated acreage inside each parcel-element intersection times the corresponding crop's per-acre crop water supply requirement.

The total parcel water use within a year was then computed as the sum of all of the parcel-element intersection areas contained within the parcel.



Figure 3. Example of CBWRM Model Elements (in blue) Overlain on Parcels (in yellow)

2. Estimate Total Baseline CMA (plus farming unit) Pumping

The total estimated baseline pumping in the CMA (plus the farming unit area) was calculated as the sum of estimated pumping in all parcels within the CMA and farming unit area, excluding residential pumping and pumping conducted by the Cuyama Community Services District (CCSD). The estimated pumping for each parcel was computed using the same methodology as described above for the 1998-2017 period. Per Board direction on November 5, 2024, the following Baseline pumping amounts are used for each allocation year:

- 2025 – 50,619 AF, based on the estimated pumping amount in 2021 using the previous version of CBWRM (v0.20)
- 2026-2029 – 39,449 AF, based on the average annual estimated pumping during the 1998-2017 period using CBWRM v0.30.

This total acre-foot pumping value calculated described in this step is used as a starting point to for reductions in pumping within the CMA and farming unit area.

3. Estimate Sustainable Yield in the CMA (plus farming unit)

The estimated sustainable yield (SY) for the CMA plus farming units provides the GSA with the targeted goal for pumping within the CMA plus farming units area by the end of the implementation horizon of the GSP (i.e. 2038). The sustainable yield (SY) estimate for the CMA plus farming unit area was estimated using outputs from CBWRM v0.30 reflecting a 50-year hydrology. Additional information regarding assumptions for this scenario is included in Section 2.3 of the GSP.

4. Determine Share of Total CMA Plus Farming Unit Pumping Assigned to Each Parcel

The average annual estimated pumping for each parcel from 1998-2017 was computed using the pumping estimates developed in Step 1. The share of total CMA plus farming unit area pumping assigned to each parcel was then determined by dividing each parcel's average annual pumping amount by the sum of all parcels' average annual pumping amounts. This resulted in a percentage share assigned to each parcel.

Using this method, the average annual pumping for the full CMA plus farming units area for 1998 through 2017 was found to be 39,449 AF. Each parcel's average annual pumping during this period was therefore divided by 39,449 to determine its portion of the total available pumping allocation. For example, a hypothetical parcel that pumped an average of 3,945 AF per year from 1998-2017 would have a share of approximately 10% of the total CMA plus farming unit pumping allocation.

5. Determine Pumping Allocation for each Parcel in 2025 through 2029.

The total CMA plus farming unit pumping volume available for 2025 through 2029 were calculated using the values computed in Steps 1 through 4 above.

First, the total pumping (TP) for the CMA plus farming unit area as a whole was calculated using the baseline pumping and sustainable yield (SY) values calculated above. Per the glide path specified in the GSP, the TP was calculated for each year by reducing the baseline total pumping amount by the following percentages of the difference between the baseline pumping and the sustainable yield:

- 2025: 16.5%
- 2026: 23.0%
- 2027: 29.5%
- 2028: 36.0%
- 2029: 42.5%

For example, the 2025 TP is calculated as follows:

$$2025 TP = \text{Baseline} - [(\text{Baseline} - SY) * 0.165]$$

$$2025 TP = 50,619 - [(50,619 - 12,042) * 0.165]$$

$$2025 TP = 44,254 AF$$

The computations for 2026-2029 are similar, except that they use the revised Baseline value. For example, the 2026 TP is calculated as follows:

$$2026 TP = \text{Baseline} - [(\text{Baseline} - SY) * 0.23]$$

$$2026 TP = 39,449 - [(39,449 - 12,042) * 0.23]$$

$$2026 TP = 33,145 AF$$

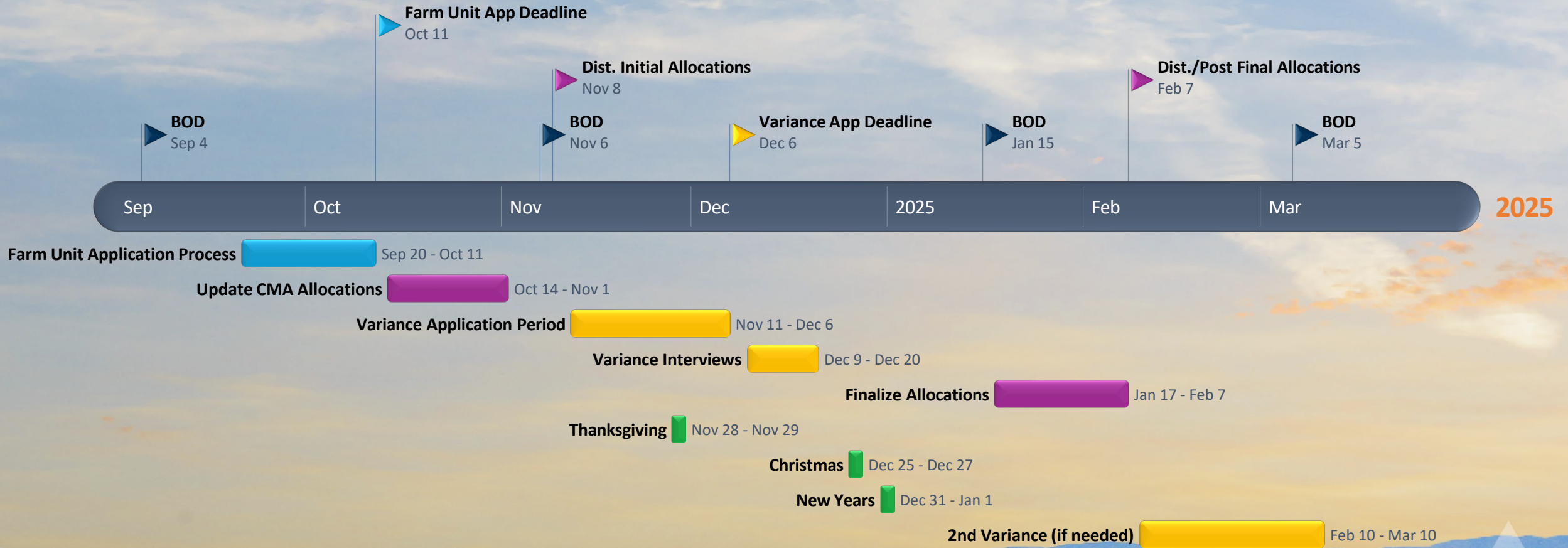
These total pumping values for each year are then used with each parcel's share of total average pumping (from step four above) to calculate that parcel's share for each year. For example, if a hypothetical parcel ("X") had a share of 2.3%, the calculation would be:

$$X's\ 2025\ TP = 0.023 * 44,254 AF$$

$$X's\ 2025\ TP = 1,017.8 AF$$

This calculation was performed for every parcel included in the CMA plus farming unit area.

2025 Groundwater Allocation Implementation Schedule





VARIANCE REQUEST FORM

For 2025 through 2029 in the Central Management Area (Including Farm Units)

Submit this form, **including a \$250** fee (which may be reimbursed if corrections are due to inaccuracies with the Cuyama Basin Groundwater Sustainability Agency (CBGSA) records), to Taylor Blakslee at 4900 California Ave, Tower B, Suite 210, Bakersfield, CA 93309 (forms may be also submitted electronically to tblakslee@hgcpm.com).

Name: _____

Date: _____

Phone: _____

Email: _____

Assessor Parcel Number(s) (APN): _____

Please describe the basis for your request and attach any supporting documentation