

Memo

To: MCCSD Board of Directors
From: District Superintendent
cc: Seph Petta
Date: August 20, 2024
Re: Groundwater Management Report

The 2023-24 Rain Year

October 1, 2023 was the beginning of the 2023-24 rain year. Average annual precipitation in Mendocino is 39.20 inches, and average rainfall in August is 0.19 inches. 0.23 inches of rainfall has been measured in the District for the month, as of August 20, 2024 (Figure 1, Table 1).

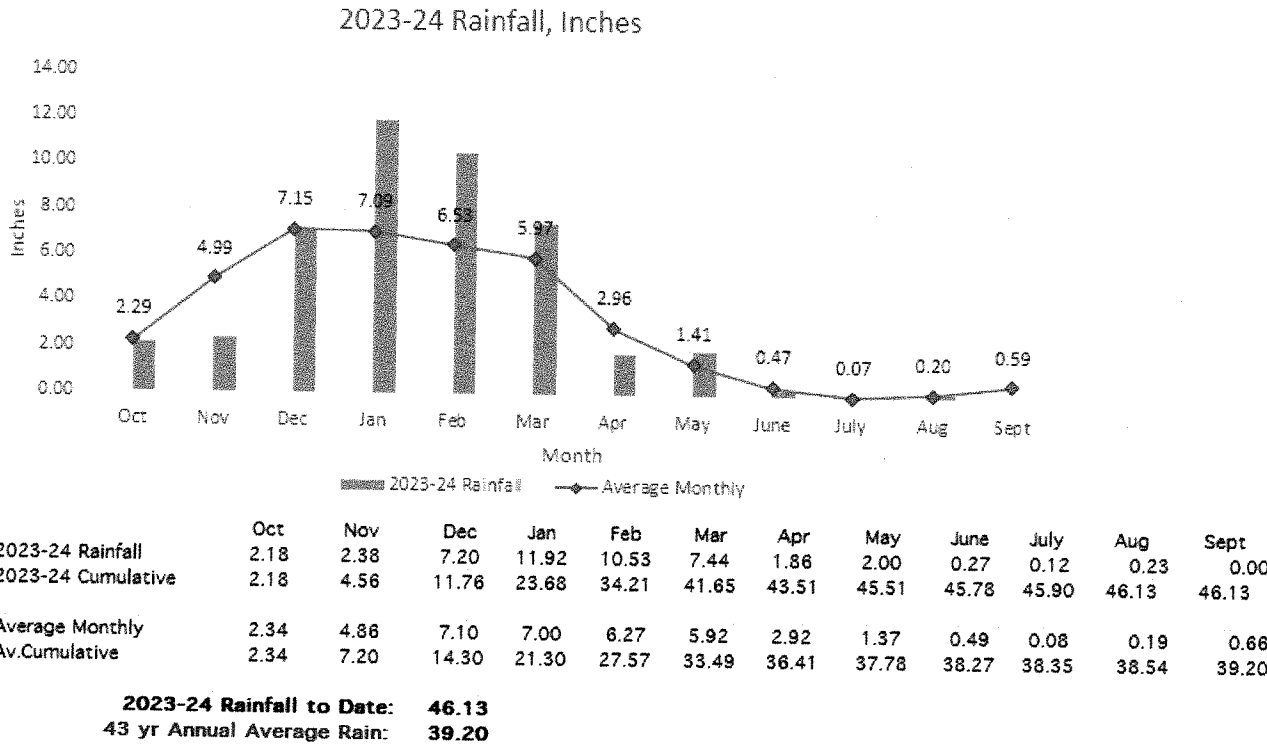


Figure 1, Table 1

Total Rainfall for Rain Year 2022-23 was 41.93 inches. Mendocino received 106% of normal annual rainfall during the last water year. By August 20, 2024, total rainfall since October 1, 2023 was 46.13 inches, 118% of average annual rainfall.

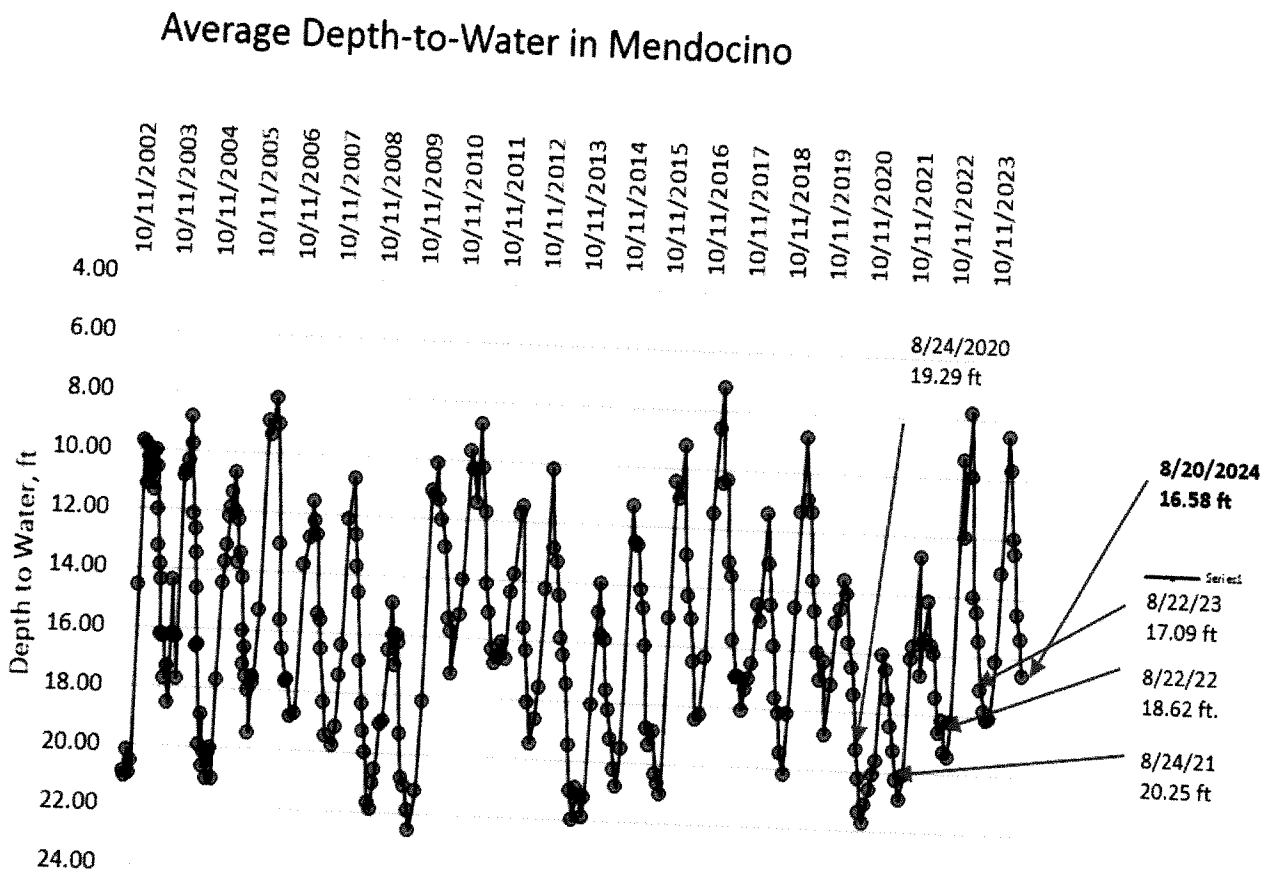
2023-24												DAILY TOTAL RAINFALL	
Data From: Community Service District											10AM		Elevation 72 Feet
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Latitude 33.306°
1	0.01		0.76	0.01	0.52	0.32							Longitude -122.800°
2		.01	0.31	1	0.05	0.25	0.02	0.01	0.19				
3		0.03	0.01	0.05	1.18	0.1	0.43	1.71	0.08				
4		0.21	0.02		2.06	0.25	0.54	0.19					
5		0.37	0.11	0.04	0.29	0.89		0.01					
6		0.08	0.74	0.38	0.32	0.04		0.02				0.05	
7	0.02	0.01	0.16	0.01	0.12		0.01					0.01	
8	0.24	0.01		0.40	0.01	0.43				0.04		0.01	
9	0.08			0.12		0.07				0.01			
10	0.19		0.02	0.10	0.02	1.11	0.01					0.01	
11	0.02		0.01		0.01	0.47						0.01	
12	0.01	0.03		0.84	0.02	0.04	0.61	0.02				0.01	
13	0.01	0.16		2.02	0.11		0.08			0.01		0.01	
14		0.39	0.02		0.65		0.02	0.01				0.02	
15		0.03			0.07		0.01	0.02				0.01	
16	0.29	0.03	0.23	0.88	0.51							0.01	
17	0.02	0.47	1.66	0.08	0.91							0.08	
18	0.02	0.09	0.56	0.01	1.42		0.01					0.02	
19	0.01		1.37	1.48	0.28							0.01	
20				0.42	0.92								
21	0.26	0.01	0.01	0.45	0.01	0.08							
22	0.87	0.01		0.26		1.25							
23	0.01		0.01	0.42		0.76	0.01						
24						0.05	0.01						
25	0.10					0.04	0.08						
26			0.46		0.01	0.07				0.01			
27			0.44			0.89	0.01	0.01					
28		0.20	0.30		0.27	0.15	0.01						
29	0.02	0.01			0.87	0.16							
30		0.24		2.00		0.01				0.02			
31				0.95		0.01							
Sum	2.18	2.38	7.20	11.92	10.53	7.44	1.86	2.00	0.27	0.12	0.23	0.00	
Count	17	18	19	21	23	22	15	9	2	7	11	0	
Max	0.87	0.47	1.66	2.02	2.06	1.25	0.61	1.71	0.19	0.04	0.08	0.00	
Rainy Days		164											
Maximum Daily Rainfall													Water year Total Rainfall
													46.13

Table 1 2023-24 Rainfall Record

August 2024 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on August 20, 2024 was 16.58 ft. DTW averages are 1.2 ft. lower than July of 2024. The DTW averages in the five drought monitoring wells reported and average of 19.15 ft. a decrease of 1.1' ft. from July of 2024. DTW averages are 0.5 ft better than August 2023, and nearly 4 ft. better than a drought year like 2021.

Figure 2 August 2024, Depth-To-Water Chart



Following the Water Shortage Contingency Plan, May 31, 2024 was the most recent water shortage evaluation date. Current rainfall totals and depth to water averages indicate there is no water shortage in the District at this time.