

Memo

To: MCCSD Board of Directors
From: District Superintendent
cc: Jim Jackson
Date: June 18, 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 June is 0.49 inches. 0.27 inches of rainfall has been measured in the District for the month, as of June 18, 2024 (Figure 1, Table 1).

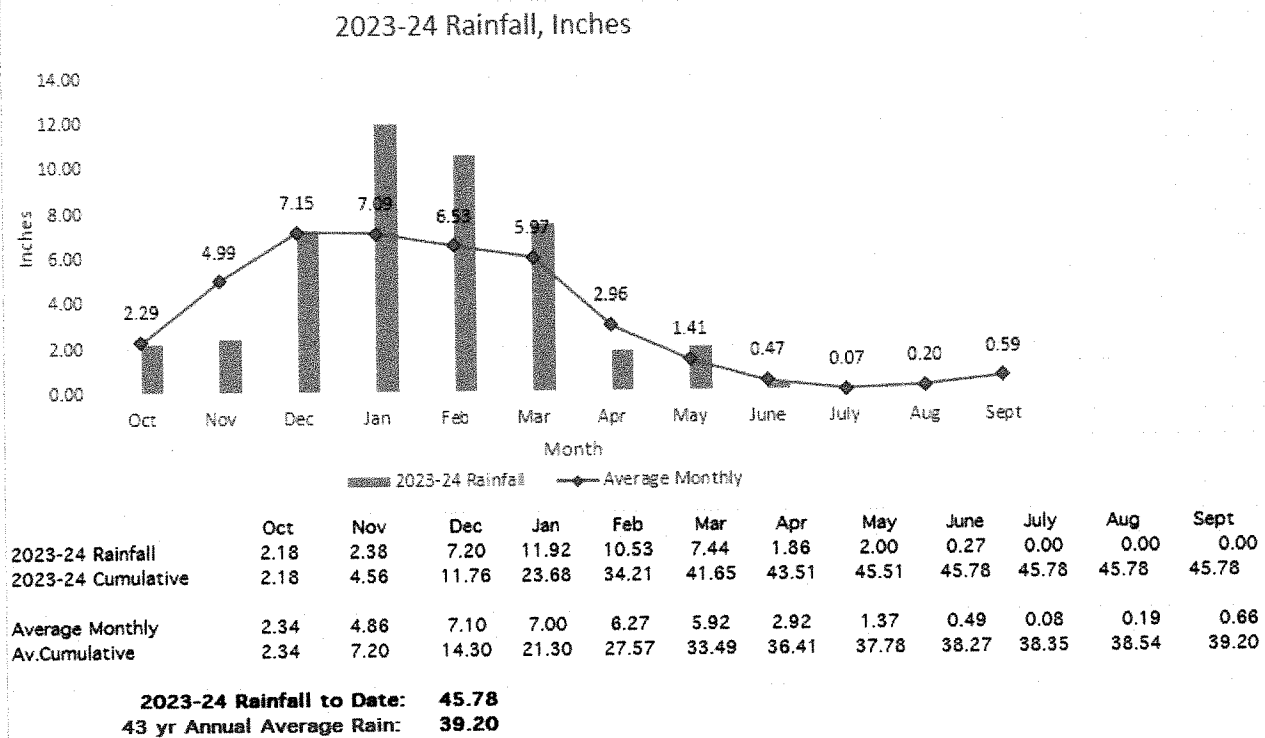


Figure 1, Table 1

Total Rainfall for Rain Year 2022-23 was 41.93 inches. Mendocino received 106% of normal annual rainfall during the last water year. By June 18, 2024, total rainfall since October 1, 2023 was 45.78 inches, 117 % of average annual rainfall.

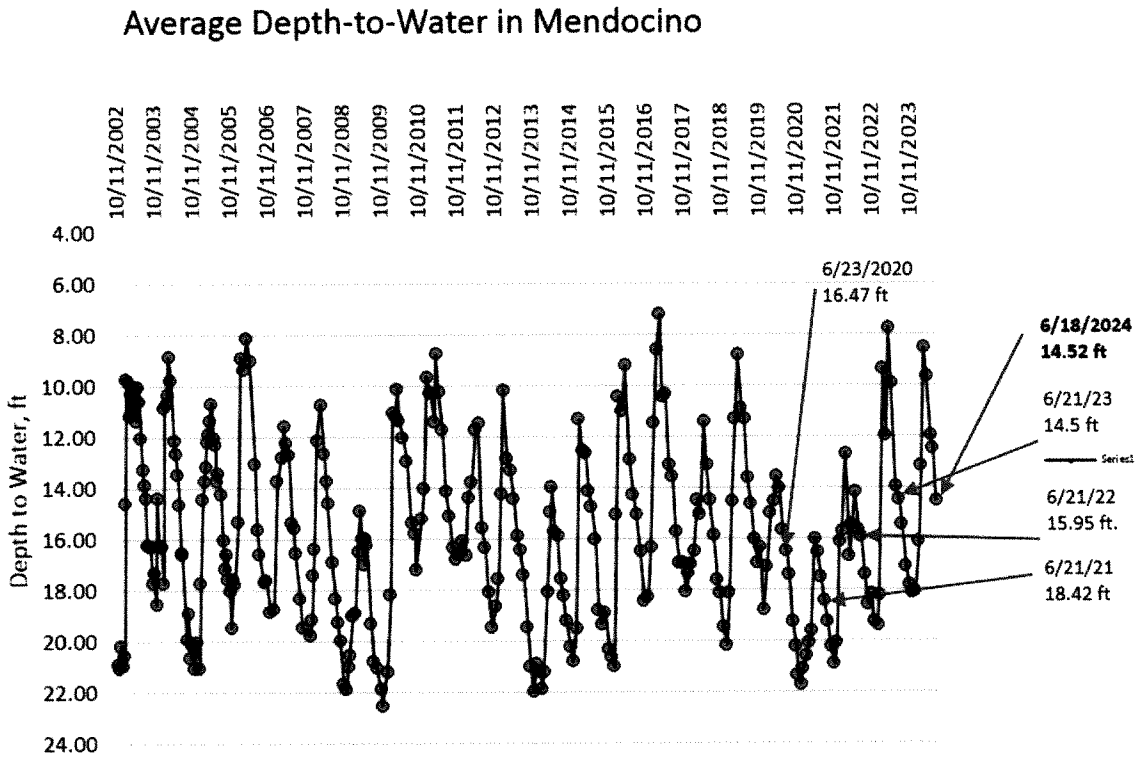
DAILY TOTAL RAINFALL												
2023-24											<i>Elevation 72 Feet</i>	
											<i>Latitude 39.306°</i>	
Data From : Community Service District											<i>Longitude -123.000°</i>	
							10AM					
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.01		0.76	0.01	0.52	0.32						
2		.01	0.31	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				
7	0.02	0.01	0.16	0.01	0.12		0.01					
8	0.24	0.01		0.40	0.01	0.43						
9	0.08			0.12		0.07						
10	0.19		0.02	0.10	0.02	1.11	0.01					
11	0.02		0.01		0.01	0.47						
12	0.01	0.03		0.84	0.02	0.04	0.61	0.02				
13	0.01	0.16		2.02	0.11		0.08					
14		0.39	0.02		0.65		0.02	0.01				
15		0.03			0.07		0.01	0.02				
16	0.29	0.03	0.23	0.88	0.51							
17	0.02	0.47	1.66	0.08	0.81							
18	0.02	0.09	0.56	0.01	1.42		0.01					
19	0.01		1.37	1.48	0.28							
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						
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						
31				0.95		0.01						
Sum	2.18	2.38	7.20	11.92	10.53	7.44	1.86	2.00	0.27	0.00	0.00	0.00
Count	17	18	19	21	23	22	15	9	2	0	0	0
Max	0.87	0.47	1.66	2.02	2.06	1.25	0.61	1.71	0.19	0.00	0.00	0.00
Rainy Days		146										45.78
Maximum Daily Rainfall												

Table 1 2023-24 Rainfall Record

June 2024 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on June 18, 2024 was 14.52 ft. DTW averages are 2 ft. below May of 2024. The DTW averages in the five drought monitoring wells reported at 16.88 ft. a decrease of two feet from May of 2024. DTW averages are basically the same as June 2023.

Figure 2 May 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.