

Memo

To: MCCSD Board of Directors
From: District Superintendent
cc: Jim Jackson
Date: January 24, 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 January is 7.0" inches. 8.97" inches of rainfall has been measured in the District for the month, as of January 24, 2024 (Figure 1, Table 1).

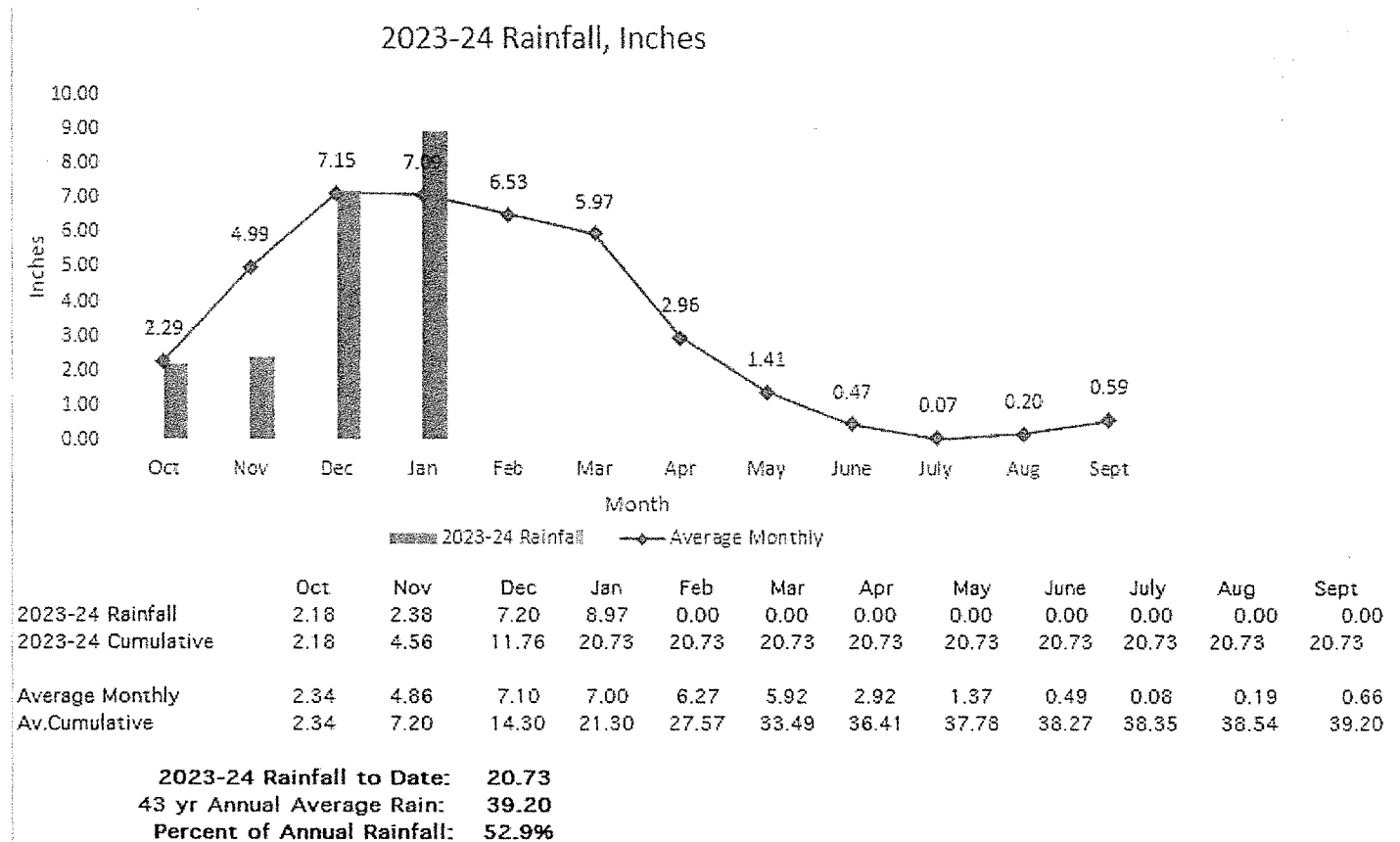


Figure 1, Table 1

Total Rainfall for Rain Year 2022-23 was 41.93" inches. Mendocino received 106% of normal annual rainfall during the last water year. By January 24, 2024, total rainfall-since October 1, 2023 was 20.73" inches, 52.9 % of average annual rainfall.

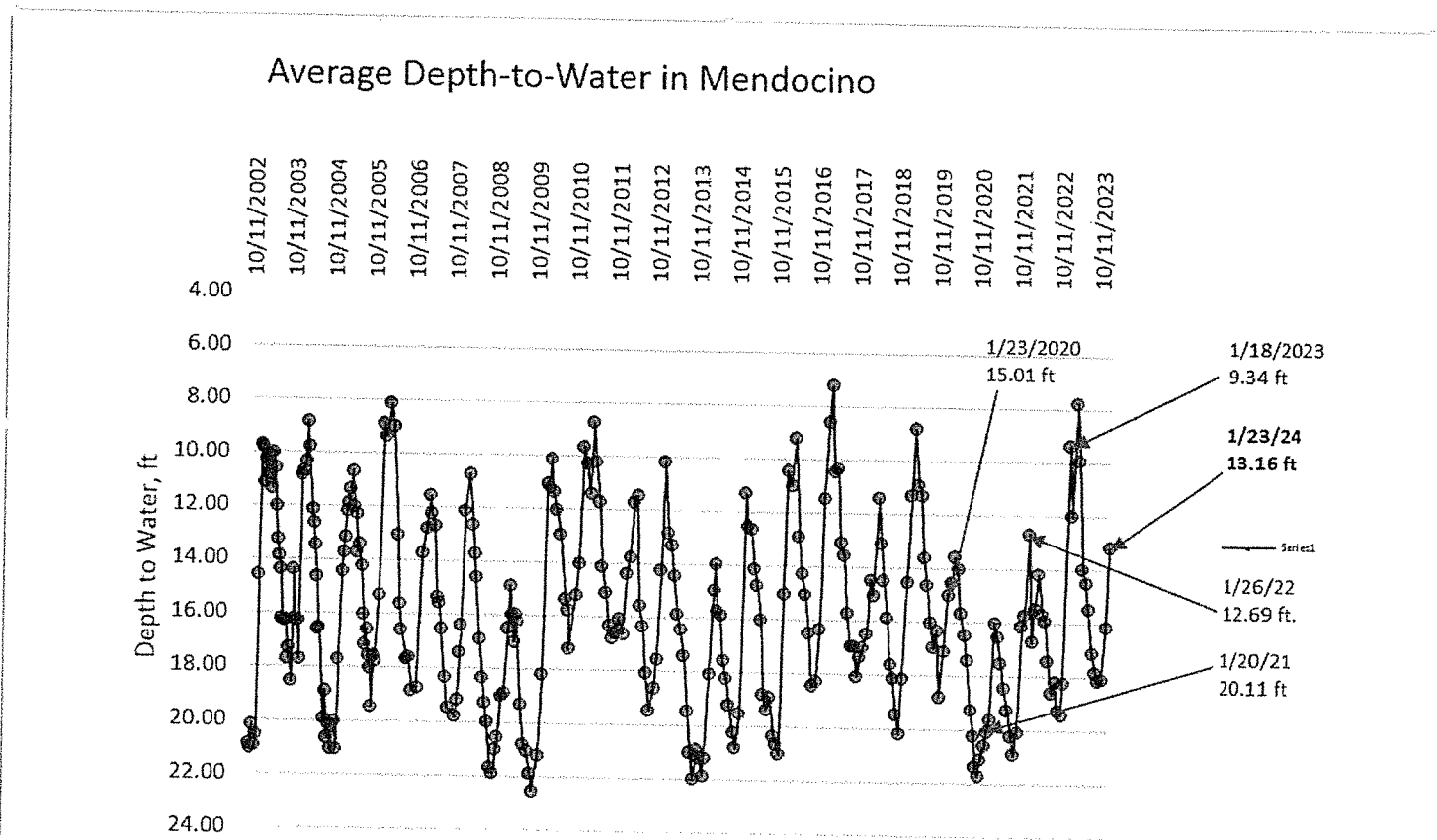
DAILY TOTAL RAINFALL												
2023-24												
Data From: Community Service District												
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.01		0.76	0.01								
2		.01	0.31	1								
3		0.03	0.01	0.05								
4		0.21	0.02									
5		0.37	0.11	0.04								
6		0.08	0.74	0.38								
7	0.02	0.01	0.16	0.01								
8	0.24	0.01		0.40								
9	0.08			0.12								
10	0.19		0.02	0.10								
11	0.02		0.01									
12	0.01	0.03		0.84								
13	0.01	0.16		2.02								
14		0.39	0.02									
15		0.03										
16	0.29	0.03	0.23	0.88								
17	0.02	0.47	1.66	0.08								
18	0.02	0.09	0.56	0.01								
19	0.01		1.37	1.48								
20				0.42								
21	0.26	0.01	0.01	0.45								
22	0.87	0.01		0.26								
23	0.01		0.01	0.42								
24												
25	0.10											
26			0.46									
27			0.44									
28		0.20	0.30									
29	0.02	0.01										
30		0.24										
31												
Sum	2.18	2.38	7.20	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	17	18	19	19	0	0	0	0	0	0	0	0
Max	0.87	0.47	1.66	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rainy Days		73										
Maximum Daily Rainfall												
Water year Total Rainfall											20.73	

Table 1 2023-24 Rainfall Record

January 2024 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on January 23, 2024 was 13.16 ft. DTW averages are 3.0' ft. better than December of 2023. The DTW averages in the five drought monitoring wells reported at 15.27 ft. a nearly 6 ft. improvement from December 2023.

Figure 2 January 2024, Depth-To-Water Chart



Following the Water Shortage Contingency Plan. The MCCSD Board declared on April 19, 2023 that no water shortage exists within the MCCSD boundaries. According to the Water Shortage Contingency Plan, (p. 14) "Calendar for Declaring Water Shortage, ... If a water shortage is not declared by the end of May, no further evaluation is required until the following January 31." Looking at current rainfall totals and depth to water averages it appears there is no water shortage in the District at this time, March 31 will be the following evaluation date.