Memo

To: MCCSD Board of Directors

From: District Superintendent

cc: Jim Jackson

Date: December 7, 2022

Re: Groundwater Management Report

The 2022-23 Rain Year

October 1, 2022 was the beginning of the 2022-23 rain year. Average annual precipitation in Mendocino is 39.72 inches, and average rainfall in December is 7.15" inches. 0.83" inches of rainfall has been measured in the District for the month as of December 7, 2022 (Figure 1, Table 1).

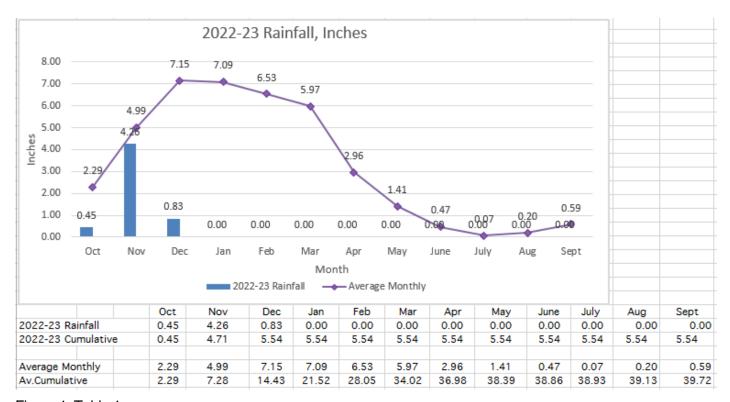


Figure 1, Table 1

Table 1 2022-23 Rainfall Record

Total Rainfall for Rain Year 2021-22 was 33.82" inches. Mendocino received 85% of normal annual rainfall during the last water year. By December 7, 2022, total rainfall since October 1, 2022 was 5.54" inches, 13.9% of average annual rainfall.

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-	2022-23				PAILI	TOTAL RA	BIMPALL				Elm of	23 East
-	2022-23										Elevation 72 Feet Latitude 39,306*	
-	Data Fran	· C		 			10AM				Langitude -123.800°	
D	Oct	From : Commummty Service District t Nov Dec Jan			Feb	Mar	-	Man	Jun	Jul		
Day	UCT	0.05	0.03	Jan	reo	Mar	Apr	May	Jun	Jui	Aug	Sep
2		0.00	0.03									
3		0.00	0.10									
	000	0.02	0.19 0.30									
4	0.02	0.68										
5	0.01	0.07	0.31									
6	0.01	0.53										
7		0.83										
8		0.13										
9	000	0.01										
10	0.03	0.01										
11	0.02	0.11										
12	0.02	0.03										
13	0.02	0.04										
14												
15		0.02										
16	0.01											
17	0.01											
18	0.02											
19												
20												
21	0.05											
22												
23												
24	0.02											
25												
26												
27		0.04										
28												
29												
30		1.70										
31	0.21											
Sum	0.45	4.26	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	13	14	4	0	0	0	0	0	0	0	0	0
Max	0.21	1.70	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		31										
Rainy Days							Water year Total Rainfall				5.54	
Maximum Dai	Aaximum Daily Raintall			1.70								

December 2022 Depth-to-Water (DTW)

20.00

22.00

24.00

The average DTW measurements District-wide in the 24 monitoring wells on December 6, 2022 was 18.25 ft; about 1.2 ft better than November 2022, about 2.5 ft worse than December of 2021, and about 2.25 ft. better than December of 2020. Compared to a good rain year like 2019, which received 45.64" inches, the average depth to water is currently about 1.14 ft. below normal for the month.

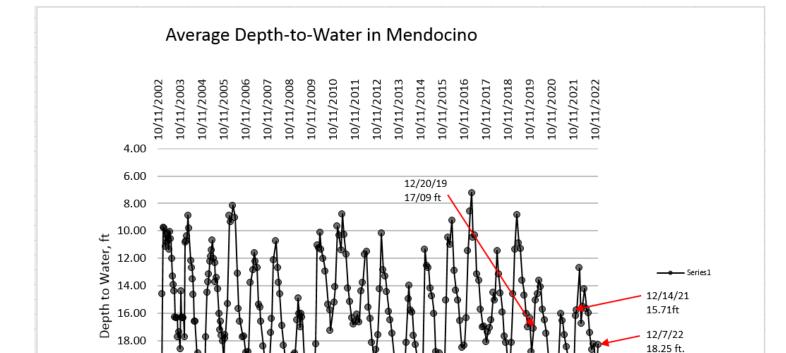


Figure 2 December 2022, Depth-To-Water Chart

The average depth-to-water reported from the five drought monitoring wells on November 30, as an interim evaluation date in WSCP was reported at 22.97 ft.

The MCCSD Board declared that a State 2 water shortage existed within its boundaries on September 26, 2022, based the Water Shortage Contingency Plan and average depth to water recorded in the five drought monitoring wells as of August 31, 2022. November 30 represents the next Water Shortage evaluation date. At that time depth to water measurements showed an average of 22.97ft. and rainfall totals were 3.01" inches. Based on these measurements, the water shortage contingency plan recommends maintaining the Stage 2 Water Shortage at this time. December 31, 2022 represents the next evaluation date.

12.31/20 20.58 ft