Mendocino City Community Services District

Memo

To: MCCSD Board of Directors

From: District Superintendent

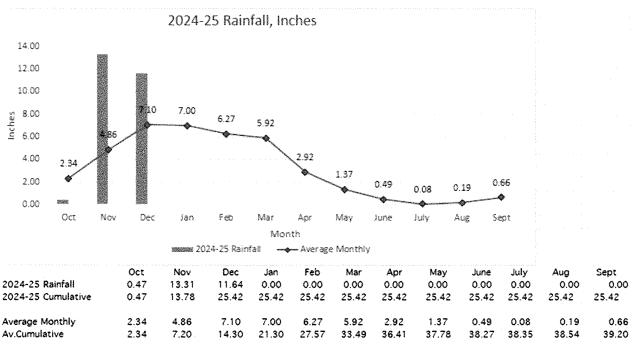
cc: Seph Petta

Date: December 29, 2024

Re: Groundwater Management Report

The 2024-25 Rain Year

October 1, 2024 was the beginning of the 2024-25 rain year. Average annual precipitation in Mendocino is 39.20 inches, and average rainfall in December is 7.10" inches. 11.64" inches of rainfall has been measured in the District for the month, as of December 29, 2024 (Figure 1, Table 1).



2023-24 Rainfall to Date: 25.42 43 yr Annual Average Rain: 39.20 Percent of Annual Rainfall: 64.8%

Figure 1, Table 1

Total Rainfall for Rain Year 2023-24 was 46.63" inches. Mendocino received 119% of normal annual rainfall during the last water year. By December 29, 2024, total rainfall since October 1, 2024 was 25.42" inches, 65% of average annual rainfall, 164% of average rainfall for the month of December, and 178% of average total rain fall Oct-Dec

	Data Fro	m : Comr	mummty Se	ervice District	I		I0AM	<u> </u>			Langitude -123.800	
Day	0ct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		0.86	0.02									
2		0.01										
3	0.01											
4												
5												
6												
7												
8												
9	0.01											
10	0.01	0.76										
11	0.33	0.05	1.18								1	
12	0.02	0.08	0.82									
13	0.02	0.63	2.28									
14	0.01	0.07	0.09									
15	0.03		0.59									
16		0.19	0.11									
17	0.01											
18												1
19		0.92										1
20		2.53	0.71							1	1	1
21	0.01	2.56										
22	0.01	0.02	0.43									
23		0.34	1.98									
24		3.56	0.01									
25		0.73	0.29									
26			1.09									
27			1.17									
28			0.87									
29												
30												
31												I
Sum	0.47	13.31	11.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	11	15	15	0	0	0	0	0	0	0	0	0
Max	0.33	3.56	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rainy Days		41					1,1,4,	year Total	D sécé sill	ļ	 	25.42
Maximum Dai	lu Raird all	71	 	3.56		 	vv dtet	year rolar.	nossaan T	 	 	23.46
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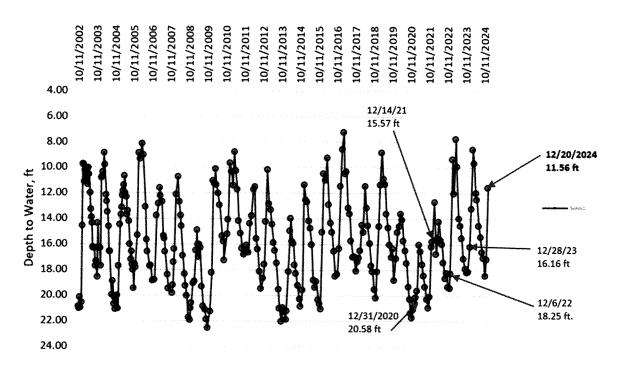
Table 1

2024-25 Rainfall Record

December 2024 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on December 20, 2024, was 11.56 ft. DTW averages are 5.6' ft. better than November of 2024. The DTW averages in the five drought monitoring wells reported an average of 13.72 ft. an improvement of 6.25' ft. from November of 2024. DTW averages are 4.6' ft. better than December of 2023, and nearly 9 ft. better than a drought year like 2020.

Figure 2 Average Depth-To-Water Chart



Average Depth-to-Water in Mendocino

Following the Water Shortage Contingency Plan, May 31, 2024, was the most recent water shortage evaluation date. The next evaluation date will be on January 31, 2025. Current rainfall totals and depth to water levels indicate there is not a water shortage within the District.

Following Groundwater Extraction Permit Ordinance 2020-01, if 120% of average annual rainfall is recorded in October-December, then properties may extract two times the amount of a permittees' approved daily allotment during the months of January, February, and March. The 2024-25 rain year has recorded 178% of average annual rainfall from October 1-December 29, 2024.

Hydrological Studies:

In August of 2024 a mixed-use property on the corner of Lansing St. and Little Lake St. completed a 72-hour hydrological study. A report from the study was received in October and sent to a District Hydrogeologist for peer review in compliance with MCCSD Ordinance 2020-01. Draft peer review comments were received in December and forwarded to the Hydrogeologists responsible for the study. We understand the two hydrogeologists are in communication and that both final draft comments and potentially amended findings report will be provided to the District in January 2025.

A property at 44780 Little Lake Rd. and Hw 1, also completed a 72-hour hydrological study that started November 12, 2024. MCCSD. Staff observed the study in progress. We learned on 12/23/24 that the official report has been completed. The report has been sent to a District Hydrogeologist for peer review.

The hydrological testing period is closed as of November 21, 2024. If current rainfall patterns continue, the hydrological study period should open again on August 20, 2025.