Memo

To: MCCSD Board of Directors

From: District Superintendent

cc: Jim Jackson

Date: February 21, 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 February is 6.27" inches. 9.37" inches of rainfall has been measured in the District for the month, as of February 20, 2024 (Figure 1, Table 1).

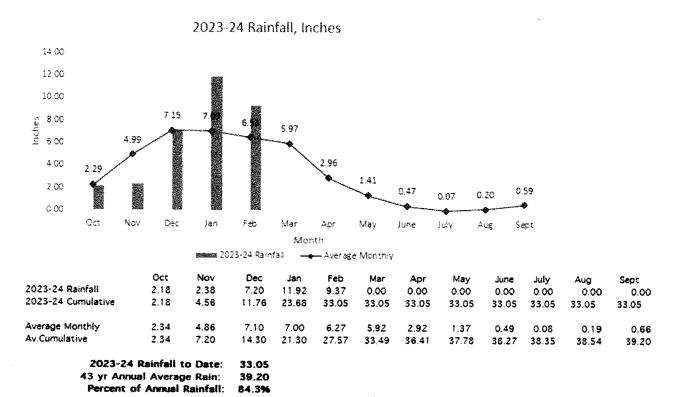


Figure 1, Table 1

Total Rainfall for Rain Year 2022-23 was 41.93" inches. Mendocino received 106% of normal annual rainfall during the last water year. By February 20, 2024, total rainfall since October 1, 2023 was 33.05" inches, 84.3 % of average annual rainfall.

Day 1 2 3 4 5 6 7 8 9 10 11 12 13	0.02 0.02 0.04 0.02 0.02 0.08 0.19 0.02 0.02	.01 0.03 0.21 0.37 0.08 0.01	0.76 0.31 0.01 0.02 0.11 0.74 0.16	Vice District Jan 0.01 1 0.05 0.04 0.38 0.01	Feb 0.52 0.05 1.18 2.06 0.29 0.32	Max	10 A M Apr	May	Jun	Jul		n 72 Feet & 33.06 -123.600 - Sep
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	V.U.1	0.03		0.84	0.02							
	0.01	0.16		2.02	0.11						<u> </u>	
14		0.39	0.02		0.65						<u> </u>	
15		0.03			0.07						<u></u>	
16	0.29	0.03	0.23	0.88	0.51						<u> </u>	
17	0.02	0.47	1.66	0.08	0.81							
18	0.02	0.09	0.56	0.01	1.42							
19	0.01		1.37	1.48	0.28							ļ
20				0.42	0.92							
21	0.26	0.01	10.0	0.45		<u> </u>					<u> </u>	ļ
22	0.87	0.01		0.26								
23	0.01		0.01	0.42	<u> </u>						<u> </u>	<u> </u>
24					<u> </u>	<u> </u>						<u> </u>
25	0.10				<u> </u>							<u> </u>
26			0.46		<u> </u>					····		ļ
27			0.44								_	
28		0.20	0.30		<u> </u>						 	
29	0.02	0.01								***************************************		
30		0.24		2.00			<u> </u>			: 		<u> </u>
31			<u> </u>	0.95			<u> </u>				<u> </u>	1
Sum	2.18	2.38	7.20	11.92	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	17	18	19	21	19	0	0	0	0	0	0	0
Max	0.87	0.47	1.66	2.02	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<u> </u>		<u></u>	 			<u> </u>	1.7.4	Luc Su Tak-1	O nine d a M		+	33.05
Rainy Days Maximum Daily		94	 				Water year Total Rainfall			<u> </u>	-	33.03

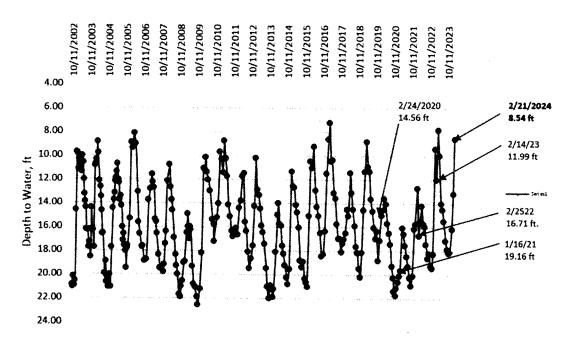
Table 1 2023-24 Rainfall Record

February 2024 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on February 21, 2024 was 8.54 ft. DTW averages are 5.3' ft. better than January of 2024. The DTW averages in the five drought monitoring wells reported at 11.12 'ft a nearly 4 ft improvement from January 2024.

Figure 2 February 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.