

Memo

To: MCCSD Board of Directors
From: District Superintendent
cc: Jim Jackson
Date: February 1, 2023
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 February is 6.53" inches. 2.23" inches of rainfall has been measured in the District for the month, as of February 17, 2023 (Figure 1, Table 1).

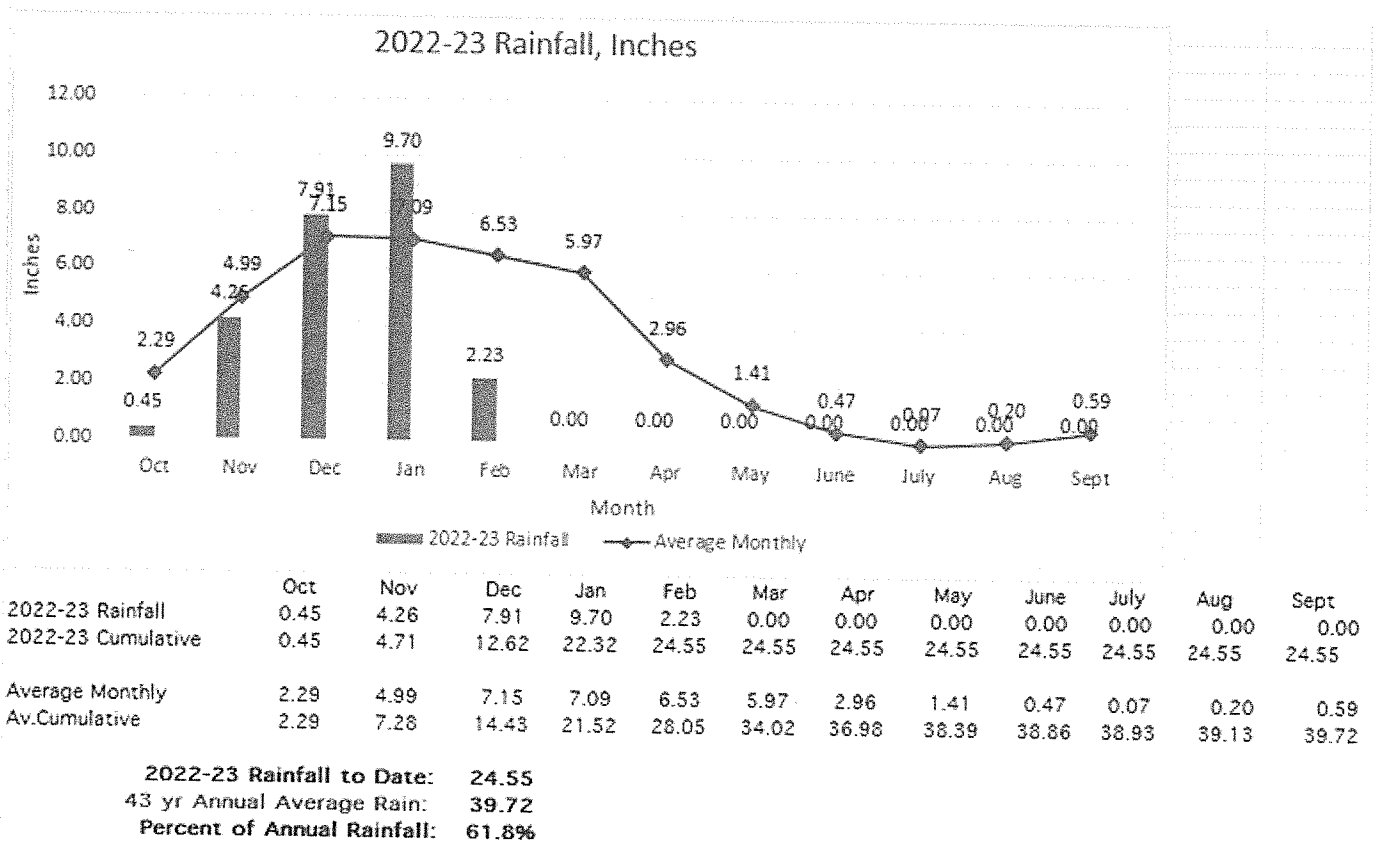
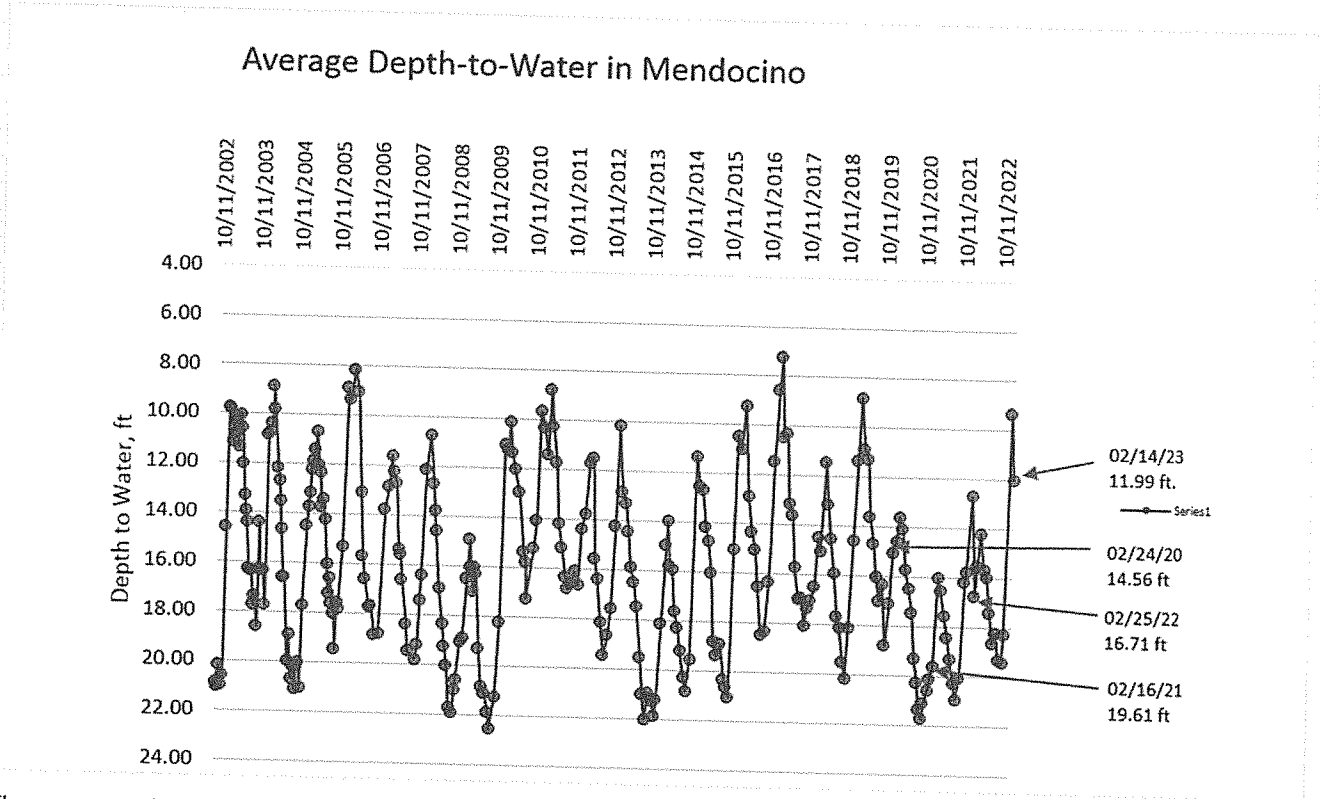


Figure 1, Table 1

February 2023 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on February 14, 2023 was 11.99 ft., about 2.6 ft. worse than January 2023, about .7 ft. better than February of 2022, and about 8 ft. better than February of 2021. Compared to a good rain year like 2019, which received 45.64" inches, the average depth to water is currently about 0.7 ft. below average for the month.

Figure 2 January 2023, Depth-To-Water Chart



The average depth-to-water reported from the five drought monitoring wells on January 31, it was 13.06. On February 17, 2023 it was recorded at 15.33 ft.

January 31, 2022 represents the most recent Water Shortage evaluation date. At that time depth to water measurements in the five drought monitoring wells recorded an average of 13.06 ft. and rainfall totals were 22.32" inches. The MCCSD Board declared that a Stage 1 water shortage existed within its boundaries on February 6, 2023 based the Water Shortage Contingency Plan.

March 31, 2023 represents the next water shortage evaluation date. Following the WSCP the Superintendent recommends maintaining the Stage 1 Water Shortage at this time, and continue to monitor.