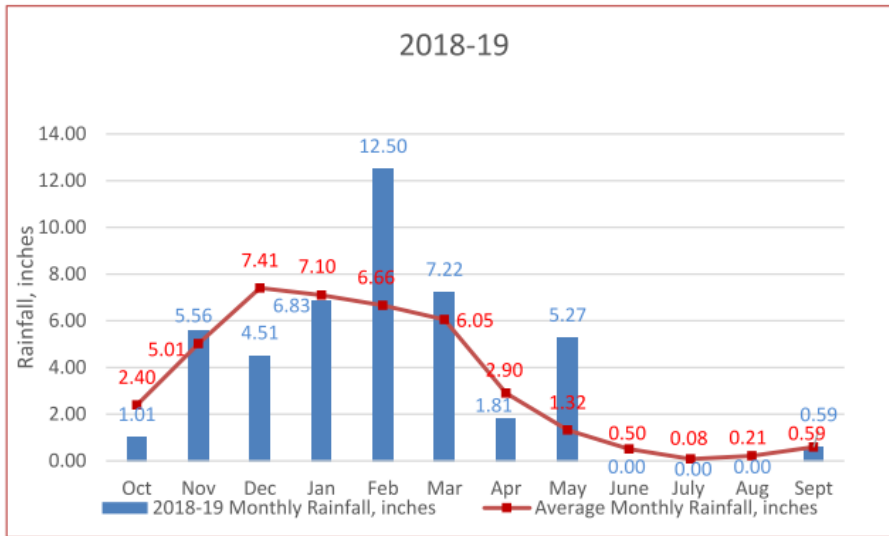


Memo

To: MCCSD Board of Directors
From: District Superintendent
cc: Jim Jackson
Date: September 20, 2019
Re: September 2019 Groundwater Management Report

The 2018-19 Rain Year

October 1, 2018 was the beginning of the 2018-19 rain year. Average annual precipitation in Mendocino is 40.23 inches and average rainfall in September is 0.59 inches. During September 2019, 0.59 inches of rainfall has been measured (Figure 1, Table 1). Total annual rainfall by June was 44.71 inches. Mendocino has received 111.1% of normal annual rainfall for this water year.



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
2018-19 Rainfall	1.01	5.56	4.51	6.83	12.50	7.22	1.81	5.27	0.00	0.00	0.00	0.59
2018-19 Cumulative	1.01	6.57	11.08	17.91	30.41	37.63	39.44	44.71	44.71	44.71	44.71	45.30
Average Monthly	2.40	5.01	7.41	7.10	6.66	6.05	2.90	1.32	0.50	0.08	0.21	0.59
Av. Cumulative	2.40	7.41	14.82	21.91	28.57	34.63	37.52	38.84	39.35	39.42	39.63	40.23

2018-19 Rainfall to Date: 45.30
30 yr Annual Average Rain: 40.23
Percent of Annual Rainfall: 112.6%

Figure 1, Table 1

DAILY TOTAL RAINFALL												
2018-19										<i>Elevation 72 Feet</i>		
										<i>Latitude 39.306°</i>		
Data From : Commumnty Service District							10AM		<i>Longitude -123.800°</i>			
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.63		0.04		0.73	0.72						
2												
3	0.16				0.67	0.32						
4			0.14	0.36			0.67					
5	0.06		0.04	1.25		1.13	0.29					
6				0.16		0.06						
7				0.06		0.08						
8				0.48	0.58	0.4	0.64					
9			0.23	0.08	0.37	1.2						
10					0.08	0.16						
11					0.23	0.06						
12					1.48							
13					1.35							
14			0.26	0.62	0.42							
15			0.16	0.27	0.44		0.21	2.38				0.59
16			1.02	1.64	0.17			0.62				
17			0.09	0.26								
18			0.49	0.50				1.24				
19				0.52	0.15			0.39				
20		0.31	0.38	0.63		0.68		0.28				
21		0.11						0.36				
22		1.57	0.27			0.76						
23		0.17	0.62		0.12							
24			0.77		0.83	0.91						
25					2.18	0.2						
26		0.46			2.43	0.31						
27		0.14			0.27	0.23						
28	0.16	1.83										
29		0.03										
30		0.94										
31												
Sum	1.01	5.56	4.51	6.83	12.50	7.22	1.81	5.27	0.00	0.00	0.00	0.59
Count	4	9	13	13	17	15	4	6	0	0	0	1
Max	0.63	1.83	1.02	1.64	2.43	1.20	0.67	2.38	0.00	0.00	0.00	0.59
Rainy Days	82							Water year Total Rainfall				45.30
Maximum Daily Rainfall				2.43								

Table 1 2018-19 Rainfall Record

No Water Shortage

A No Water Shortage condition in the District due to above normal rainfall for rain year 2018-19.

September 20, 2019 Depth-to-Water (DTW)

The average DTW measurements District-wide in the 24 monitoring wells on September 20, 2019 was 16.97ft. (Figure 2).

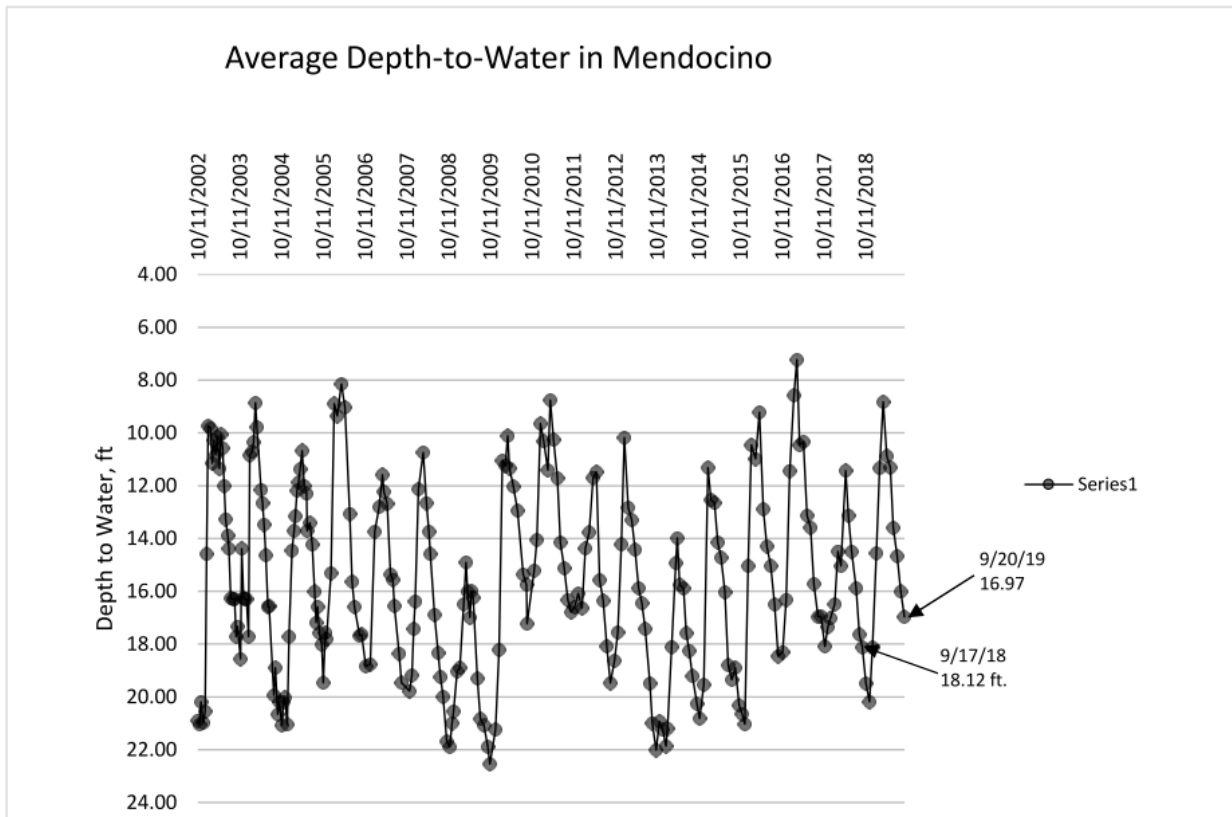


Figure 2 September 2019 DTW Chart

rainfall	inches
2002	34.71
2003	49.61
2004	36.39
2005	42.96
2006	53.48
2007	29.83
2008	31.75
2009	24.38
2010	47.24
2011	46.93
2012	32.56
2013	32.24
2014	24.15
2015	31.1
2016	44.53
2017	57.34
2018	32.32
2019 (Sept 20)	45.30

Table 2 Annual rainfall from 2002 to September 20, 2019