

MWC Salinity Program

End of season meter comparison and assessment by Kendall Sewell & Adam Sigler at MSU Extension Water Quality on 3/29/2022. Marsh Labs Room 2.

Time (min)	LMCD 1		LMCD 2		LMCD 3		LMCD 4		ProPlus		Avg.	Notes
	SC (uS/cm)	RPD	SC (uS/cm)	RPD	SC (uS/cm)	RPD	SC (uS/cm)	RPD	SC (uS/cm)	RPD		
0	216.8	-1.92%	219.9	-0.52%	221.9	0.39%	227.8	3.06%	218.8	-1.01%	221.0	Place probes in tub of water.
2	219	-1.62%	222	-0.27%	223	0.18%	231	3.77%	218	-2.07%	222.6	
4	217	-2.08%	221	-0.27%	221	-0.27%	231	4.24%	218	-1.62%	221.6	
6	217	-2.08%	220	-0.72%	221	-0.27%	231	4.24%	219	-1.17%	221.6	
8	217	-1.99%	220	-0.63%	221	-0.18%	231	4.34%	218	-1.54%	221.4	
10	873	0.00%	874	0.11%	861	-1.37%	877	0.46%	880	0.80%	873.0	First round of salt. 1/2 teaspoon salt added.
12	873	0.05%	874	0.16%	861	-1.33%	877	0.50%	878	0.62%	872.6	
14	873	0.07%	874	0.18%	861	-1.31%	877	0.53%	877	0.53%	872.4	
16	873	0.09%	873	0.09%	860	-1.40%	877	0.55%	878	0.66%	872.2	
18	872	0.00%	874	0.23%	860	-1.38%	877	0.57%	877	0.57%	872.0	
20	1798	-0.42%	1805	-0.03%	1785	-1.14%	1814	0.47%	1826	1.13%	1805.6	Second round of salt. 3/4 teaspoon salt added. Added larger amount of salt to gradually reach top end of monitoring salinity results last season, around 3000 uS/cm.
22	1804	-0.77%	1821	0.17%	1814	-0.22%	1827	0.50%	1824	0.33%	1818.0	
24	1803	-0.79%	1819	0.09%	1813	-0.24%	1826	0.47%	1826	0.47%	1817.4	
26	1802	-0.85%	1818	0.03%	1812	-0.30%	1826	0.47%	1829	0.64%	1817.4	
28	1802	-0.81%	1818	0.07%	1811	-0.32%	1825	0.45%	1828	0.62%	1816.8	
30	2992	-0.51%	3027	0.65%	2926	-2.71%	3038	1.02%	3054	1.55%	3007.4	Third round of salt. 1 and 1/4 teaspoon salt added. Added larger amount of salt to gradually reach top end of monitored salinity results last season, around 3000 uS/cm.
32	3001	-1.11%	3039	0.14%	3028	-0.22%	3051	0.54%	3054	0.64%	3034.6	
34	3001	-1.09%	3038	0.13%	3027	-0.23%	3050	0.53%	3054	0.66%	3034.0	
36	3000	-1.09%	3037	0.13%	3025	-0.26%	3049	0.53%	3054	0.69%	3033.0	
38	2999	-1.08%	3035	0.11%	3022	-0.32%	3049	0.57%	3053	0.71%	3031.6	
40	2998	-1.11%	3033	0.05%	3024	-0.25%	3050	0.61%	3053	0.71%	3031.6	