

MWC Salinity Program

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

* temperature was incorrectly set to °F, so calculated for °C

		LMCD 1			LMCD 2			LMCD 3				LMCD 4			ProPlus			
		Time (min)	SC (uS/cm)	Temp (C)	Time (min)	SC (uS/cm)	Temp (C)	Time (min)	SC (uS/cm)	Temp (F)	Calculated Temp (C)*	Time (min)	SC (uS/cm)	Temp (C)	Time (min)	SC (uS/cm)	Temp (C)	
Year:	Pre-cleaning	0	1419	22.5	0	1435	23.4	0	1426	73.7	23.2	0	1442	23.2	0	1419	24.3	
		2	1434	22.4	2	1442	23.3	2	1429	73.9	23.3	2	1449	23.3	2	1429	24.3	
		4	1436	22.5	4	1442	23.3	4	1428	74.0	23.3	4	1449	23.3	4	1431	24.3	
		6	1437	22.7	6	1442	23.4	6	1429	74.1	23.4	6	1450	23.4	6	1433	24.3	
		8	1437	22.8	8	1442	23.4	8	1430	74.1	23.4	8	1453	23.4	8	1434	24.3	
		10	1437	23.0	10	1442	23.5	10	1427	74.2	23.4	10	1452	23.5	10	1434	24.3	
	Post-cleaning	0	1422	23.6	0	1418	23.0	0	1407	73.4	23.0	0	1422	23.1	0	1403	23.6	
		2	1422	23.7	2	1419	23.1	2	1407	73.5	23.1	2	1424	23.1	2	1413	23.8	
		4	1423	23.8	4	1419	23.1	4	1408	73.6	23.1	4	1425	23.1	4	1417	23.7	
		6	1423	23.9	6	1420	23.2	6	1410	73.7	23.2	6	1428	23.2	6	1420	23.7	
		8			8			8				8			8			
		10			10			10				10			10			
		RPD (pre vs post clean)		1.0%			1.5%			1.2%					1.7%			1.0%
		RPD (post clean reading vs 1413)		0.7%			0.5%			-0.2%					1.1%			0.5%