

# Appendix E – Transducer Water Levels Correction Summary

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**Appendix E  
Water Level Corrections Summary**

Well	Total Well Depth (feet bgs)	Time	Water Level (ft TIC) 9/30/22	Reference Elevation (ft NAVD88)	Water Elevation (ft amsl)	Time of Transducer Installation	Transducer PSI Rating	Time Recording Began	Depth to Water at Time of Beginning of Recording (feet)	Correction Needed?	Estimated Water Level Change From Initial Measurement to Transducer Start	Correction	Correction	+/- (Feet)
MW-1S	35	11:19	11.60	638.548	626.95	11:50	30	15:00	N/A	Yes	0.2 feet down	From -7.966 to 11.80 at 15:10	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	0.25
MW-1D	168	11:19	10.16	638.81	628.65	11:50	100	15:00	N/A	No	N/A	N/A	N/A	N/A
MW-2S	36	10:00	7.12	642.948	635.83	11:10	15	15:00	7.613	No	N/A	N/A	N/A	N/A
MW-2D	174	10:00	11.81	643.627	631.82	11:10	100	15:00	11.682	No	N/A	N/A	N/A	N/A
MW-3S	37	11:55	9.88	604.698	594.82	12:35	5	15:00	9.896	Yes	0.2 feet down	From -0.825 to 10.08 at 15:30	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	0.25
MW-3D	167	11:55	17.12	605.031	587.91	12:35	100	15:00	17.092	Yes	0.5 feet down	From -121.188 to 19.62 at 15:15	Recorrected at 15:15 instead of 15:10 because 15:10 was still erroneous data. Assumed water level dropped 1 foot between manual measurement and start of data recording. Assume initial measurement was in the center of a "noisy" dataset (approximately 1 foot) and 15:15 measurement is at the top of the noise range. Therefore, corrected down 1 foot, then back up 0.5 feet. This correction is also consistent with the low water level measured on 11/2.	2
MW-4S	37	12:40	3.39	585.328	581.94	~13:00	15	15:00	3.384	Yes	0.2 feet down	From -26.094 to 3.59 at 15:10	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	0.5
MW-4D	175	12:40	2.53	585.602	583.07	~13:00	100	15:00	-169.382	Yes	0.5 feet down	From -169.382 to 3.03 at 15:10	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	0.5
MW-5S	37	13:45	7.02	596.472	589.45	~14:00	15	15:00	8.589	Yes	0.3 feet down	From -17.951 to 7.32 at 15:30	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	0.5
MW-5I	76	13:45	9.48	596.211	586.73	~14:00	15	15:00	9.479	Yes	1.0 feet down	From -30.342 to 10.48 at 15:30	Estimated difference in measured water depth and transducer water depth using slope of transducer data and future trends in transducer data	1
MW-5D	173	13:45	8.97	596.475	587.51	~14:00	100	15:00	8.983	No	N/A	N/A	N/A	N/A

**Notes:**

\*\*Transducers set to begin recording at 15:00 on 09/30/2022