

2025 Mill River Dissolved Oxygen and Salinity Measurements

The Regional Water Authority (RWA) continued its annual summer dissolved oxygen (DO) and salinity monitoring in the Mill River downstream of the Lake Whitney water supply reservoir in 2025 to help document environmental conditions before and after the Whitney Water Treatment Plant was activated in 2005. Weekly measurements were taken from August through September at three stations prior to daybreak when the 14-day median lake level at Lake Whitney was less than 0.20 feet above spillway elevation, which is approximately equivalent to a spillage flow rate to the river of 40 million gallons per day. In 2025, summer conditions were dry. A protracted period of lower flows occurred from July through October, sampling was conducted on 17 occasions during this period.



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Date	Station	14-day median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/L)
7/11/2025	Spillway	+0.180	0.20	26.50	0.17	8.32	9.07
7/11/2025	Plunge Pool		0.30	25.70	0.17	8.24	8.05
7/11/2025	Footbridge		0.10	25.10	0.17	7.73	5.90
7/11/2025	Footbridge		0.50	25.10	0.17	7.71	5.69
7/17/2025	Spillway	+0.170	0.20	27.80	0.17	8.44	9.19
7/17/2025	Plunge Pool		0.40	27.40	0.17	8.30	7.84
7/17/2025	Footbridge		0.10	27.30	0.18	7.66	5.23
7/17/2025	Footbridge		0.60	26.80	0.18	7.59	4.56
7/25/2025	Spillway	+0.150	0.20	25.70	0.17	8.36	9.06
7/25/2025	Plunge Pool		0.20	24.50	0.17	8.20	8.08
7/25/2025	Footbridge		0.20	24.20	0.36	7.48	5.63
7/25/2025	Footbridge		0.40	24.30	0.49	7.45	5.18
8/1/2025	Spillway	+0.140	0.50	25.40	0.18	8.26	8.29
8/1/2025	Plunge Pool		0.20	26.10	0.18	8.31	8.35
8/1/2025	Footbridge		0.20	24.00	0.26	7.70	6.45
8/1/2025	Footbridge		0.60	24.90	3.48	7.16	4.42
8/8/2025	Spillway	+0.145	0.35	24.00	0.18	8.52	9.98
8/8/2025	Plunge Pool		0.40	22.00	0.18	8.31	8.39
8/8/2025	Footbridge		0.30	23.50	2.09	7.24	5.33
8/8/2025	Footbridge		0.50	25.00	4.31	7.19	5.74
8/15/2025	Spillway	+0.135	0.30	25.80	0.18	8.36	9.04
8/15/2025	Plunge Pool		0.40	24.30	0.18	8.18	8.14
8/15/2025	Footbridge		0.10	26.50	3.69	7.28	5.98
8/15/2025	Footbridge		0.60	27.30	10.22	6.93	4.13
8/22/2025	Spillway	+0.120	0.34	22.20	0.18	7.87	8.14
8/22/2025	Plunge Pool		0.16	21.90	0.18	7.87	8.48
8/22/2025	Footbridge		0.11	20.00	0.54	7.58	6.35
8/22/2025	Footbridge		0.36	22.40	6.46	6.98	4.00
8/29/2025	Spillway	+0.090	0.20	22.00	0.18	7.95	8.50
8/29/2025	Plunge Pool		0.40	22.40	0.18	7.85	8.52
8/29/2025	Footbridge		0.10	21.40	0.65	7.47	6.28
8/29/2025	Footbridge		0.40	23.10	5.54	7.22	6.05
9/5/2025	Spillway	-0.045	0.20	21.30	0.18	7.88	8.35
9/5/2025	Plunge Pool		0.50	21.40	0.18	7.87	8.66
9/5/2025	Footbridge		0.10	21.00	0.69	7.48	6.50
9/5/2025	Footbridge		0.30	22.10	2.66	7.38	6.90
9/12/2025	Spillway	-0.235	0.39	21.10	0.19	8.16	9.25

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9/12/2025	Plunge Pool		0.24	21.10	0.18	7.89	8.71
9/12/2025	Footbridge		0.24	22.00	6.98	7.33	7.66
9/12/2025	Footbridge		0.58	22.60	9.27	7.07	5.24
9/19/2025	Spillway	-0.280	0.20	21.60	0.19	8.22	9.84
9/19/2025	Plunge Pool		0.30	21.50	0.19	8.23	9.58
9/19/2025	Footbridge		0.10	20.10	0.96	7.54	7.09
9/19/2025	Footbridge		0.30	23.10	6.80	7.19	6.16
9/26/2025	Spillway	-0.420	0.20	21.10	0.20	8.07	8.66
9/26/2025	Plunge Pool		0.30	20.90	0.19	7.78	8.07
9/26/2025	Footbridge		0.10	21.10	2.74	7.19	4.39
9/26/2025	Footbridge		0.32	22.20	8.31	6.92	1.47
10/3/2025	Spillway	-0.815	0.20	19.00	0.19	7.78	7.79
10/3/2025	Plunge Pool		0.40	19.50	0.19	7.92	8.08
10/3/2025	Footbridge		0.10	18.10	3.02	7.46	8.87
10/3/2025	Footbridge		0.60	22.20	13.12	7.16	6.86
10/10/2025	Spillway	-1.035	0.10	18.20	0.20	7.65	8.00
10/10/2025	Plunge Pool		0.20	18.20	0.20	7.70	8.38
10/10/2025	Footbridge		0.22	20.20	8.52	7.12	5.61
10/10/2025	Footbridge		0.56	20.60	10.10	6.98	3.00
10/17/2025	Spillway	-1.230	0.33	15.20	0.20	7.61	4.92
10/17/2025	Plunge Pool		0.19	15.20	0.20	7.48	5.94
10/17/2025	Footbridge		0.18	16.40	10.16	7.44	10.63
10/17/2025	Footbridge		0.56	17.70	12.63	7.14	7.61
10/23/2025	Spillway	-0.510	0.40	14.40	0.19	7.57	6.69
10/23/2025	Plunge Pool		0.40	14.70	0.19	7.44	6.00
10/23/2025	Footbridge		0.10	13.30	0.43	7.46	7.32
10/23/2025	Footbridge		0.30	16.20	5.48	7.51	10.08
10/31/2025	Spillway	-0.255	0.50	13.00	0.19	7.49	7.18
10/31/2025	Plunge Pool		0.50	13.10	0.19	7.55	9.86
10/31/2025	Footbridge		0.10	13.10	0.20	7.74	10.14
10/31/2025	Footbridge		1.00	13.10	0.20	7.75	10.12