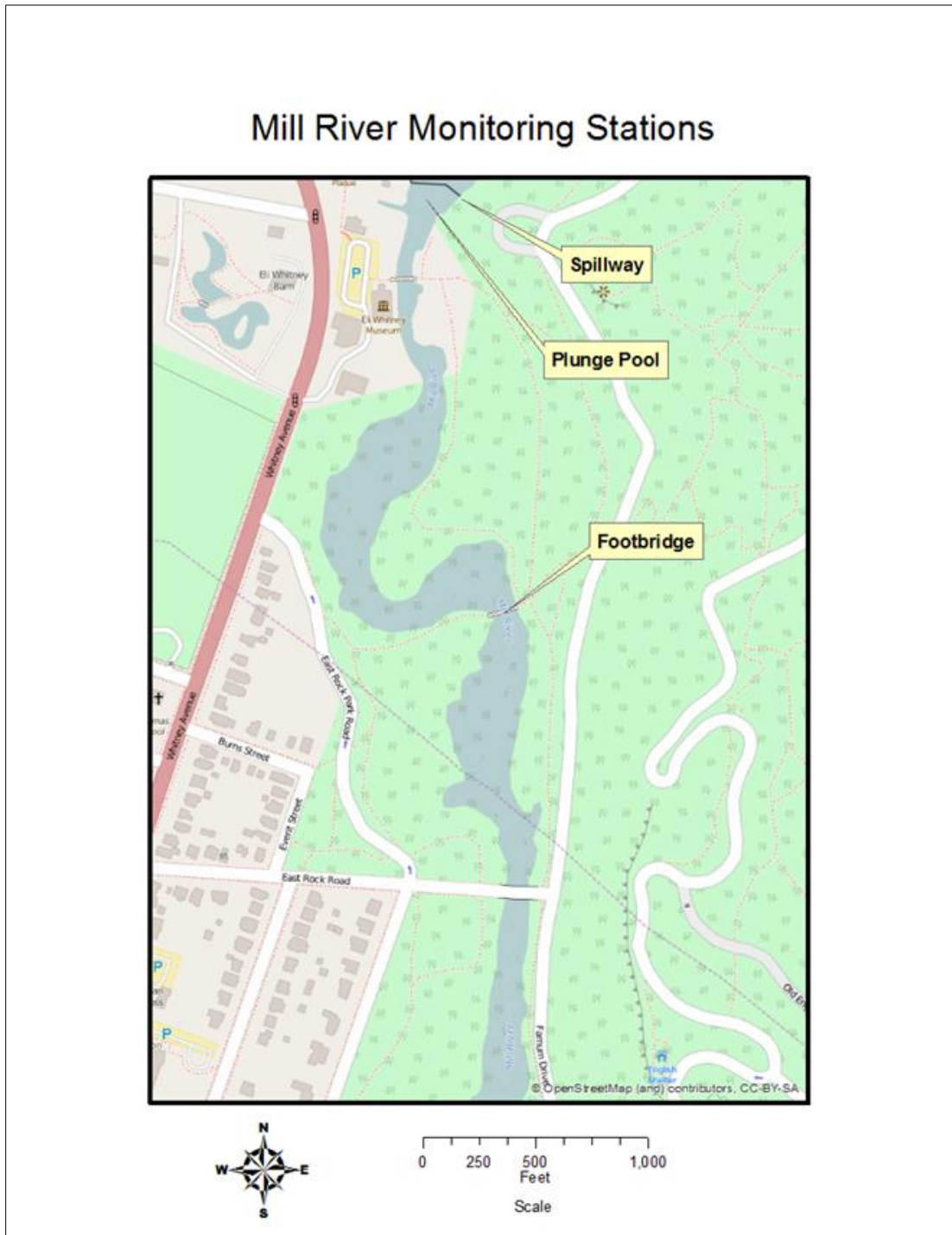


2020 Mill River Dissolved Oxygen and Salinity Measurements

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 2020 to help document environmental conditions before and after the Whitney Water Treatment Plant was activated in 2005. Weekly measurements were taken from July 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. Additional readings were taken in October; corresponding to dates where the Lake was below spillway due to continued dry conditions.



2020 Mill River Dissolved Oxygen and Salinity Measurements.

An extended monitoring period (additional monitoring through October) was utilized due to the extended dry conditions during 2020.

Date	Station	14-day median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/L)
7/1/2020	Spillway	0.170	0.60	24.50	0.17	8.50	7.65
7/1/2020	Plunge Pool		0.30	24.20	0.17	8.67	8.25
7/1/2020	Footbridge		0.10	23.70	0.17	8.71	6.83
7/1/2020	Footbridge		0.30	23.70	0.17	8.48	6.73
7/10/2020	Spillway	0.205	1.00	26.00	0.15	8.41	6.48
7/10/2020	Plunge Pool		0.60	26.00	0.15	8.54	7.83
7/10/2020	Footbridge		0.10	25.00	0.15	8.79	5.63
7/10/2020	Footbridge		0.60	25.20	0.15	8.48	5.39
7/17/2020	Spillway	0.190	1.00	25.30	0.15	8.69	8.50
7/17/2020	Plunge Pool		0.40	24.50	0.16	8.61	8.24
7/17/2020	Footbridge		0.10	23.40	0.16	8.62	5.88
7/17/2020	Footbridge		0.30	23.50	0.16	8.50	5.75
7/24/2020	Spillway	0.160	0.80	28.10	0.16	9.28	8.48
7/24/2020	Plunge Pool		0.50	27.40	0.16	9.31	8.24
7/24/2020	Footbridge		0.10	26.90	0.16	9.00	6.58
7/24/2020	Footbridge		1.10	26.90	0.16	8.86	5.85
7/31/2020	Spillway	0.150	0.50	26.40	0.17	9.27	7.64
7/31/2020	Plunge Pool		0.80	28.10	0.17	9.45	9.81
7/31/2020	Footbridge		0.10	25.70	0.51	8.48	5.05
7/31/2020	Footbridge		0.30	28.60	5.40	7.93	5.29
8/7/2020	Spillway	0.115	0.50	25.80	0.18	9.45	10.15
8/7/2020	Plunge Pool		0.50	24.10	0.18	9.20	7.86
8/7/2020	Footbridge		0.10	24.30	0.55	9.06	8.15
8/7/2020	Footbridge		0.60	26.50	6.50	8.17	3.68
8/14/2020	Spillway	0.100	0.80	26.90	0.18	10.19	10.15
8/14/2020	Plunge Pool		0.60	22.50	0.18	9.87	2.52
8/14/2020	Footbridge		0.10	27.20	6.01	8.49	4.24
8/14/2020	Footbridge		0.30	28.50	16.61	8.42	2.99
8/21/2020	Spillway	0.080	0.80	23.80	0.18	10.14	8.51
8/21/2020	Plunge Pool		0.40	21.90	0.18	9.85	7.75
8/21/2020	Footbridge		0.10	24.50	5.26	9.35	10.44
8/21/2020	Footbridge		0.40	26.40	8.17	9.17	11.79
8/28/2020	Spillway	0.055	0.80	24.70	0.19	9.31	7.51
8/28/2020	Plunge Pool		0.80	24.50	0.19	9.27	7.51

2020 Mill River DO and Salinity Measurements

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8/28/2020	Footbridge		0.10	24.40	0.21	9.28	7.08
8/28/2020	Footbridge		0.20	24.40	0.21	9.27	7.04
9/11/2020	Spillway	0.095	0.70	24.10	0.18	10.69	8.96
9/11/2020	Plunge Pool		0.40	24.10	0.18	10.78	8.41
9/11/2020	Footbridge		0.10	23.40	0.26	10.54	4.81
9/11/2020	Footbridge		0.60	24.30	1.91	10.00	2.22
9/18/2020	Spillway	0.030	0.70	20.90	0.19	5.96	6.71
9/18/2020	Plunge Pool		0.40	21.30	0.19	6.39	6.91
9/18/2020	Footbridge		0.10	19.90	0.32	5.36	5.68
9/18/2020	Footbridge		0.30	21.60	3.41	4.79	3.91
9/25/2020	Spillway	-0.135	0.60	18.40	0.19	8.24	6.50
9/25/2020	Plunge Pool		0.30	18.70	0.19	7.94	6.91
9/25/2020	Footbridge		0.10	18.90	1.75	8.80	6.52
9/25/2020	Footbridge		0.40	20.40	7.52	8.01	4.88
10/2/2020	Spillway	-0.450	0.70	19.80	0.19	7.67	8.32
10/2/2020	Plunge Pool		0.40	20.00	0.19	7.80	8.30
10/2/2020	Footbridge		0.10	18.70	0.24	6.76	5.88
10/2/2020	Footbridge		0.50	19.40	1.04	6.56	5.10
10/9/2020	Spillway	-0.340	0.60	16.60	0.19	7.61	5.66
10/9/2020	Plunge Pool		0.30	17.40	0.19	7.53	6.80
10/9/2020	Footbridge		0.10	15.10	0.47	7.69	6.04
10/9/2020	Footbridge		0.60	18.70	6.94	7.06	2.95