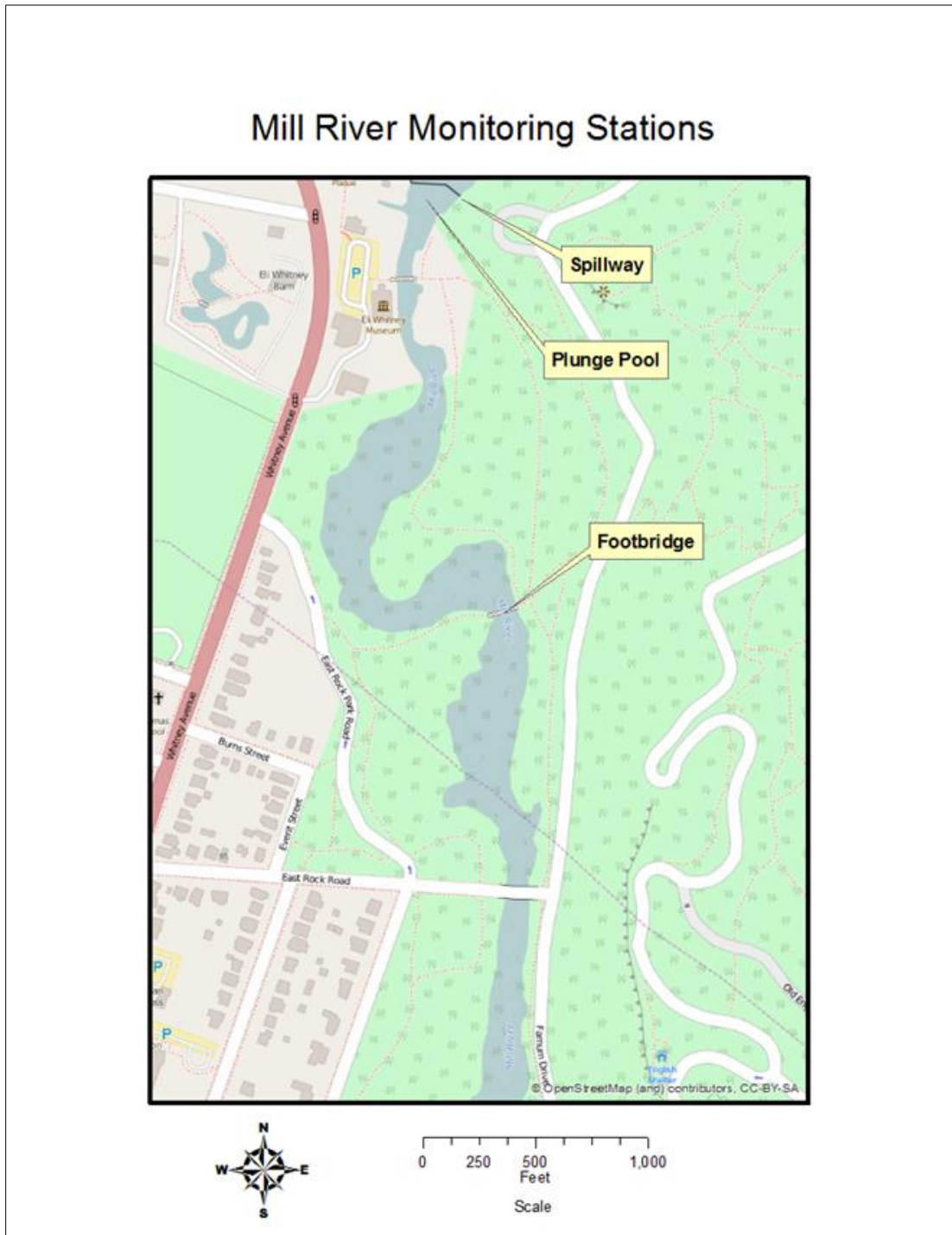


### 2019 Mill River Dissolved Oxygen and Salinity Measurements

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 2019 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 drawn down for dam maintenance.



2019 Mill River DO and Salinity Measurements

**2019 Mill River Dissolved Oxygen and Salinity Measurements.**

An extended monitoring period (additional monitoring through October) was utilized due to maintenance activities on the Lake Whitney dam which necessitated a temporary drawdown.

DATE	Station	14-day Median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/l)
7/12/2019	Spillway	0.195	0.40	26.00	0.17	8.51	8.51
7/12/2019	Plunge Pool		0.30	25.90	0.17	8.26	8.00
7/12/2019	Footbridge		0.10	25.50	0.17	8.11	6.63
7/12/2019	Footbridge		0.35	25.50	0.17	7.99	6.51
7/19/2019	Spillway	0.175	0.40	26.80	0.17	8.50	8.63
7/19/2019	Plunge Pool		0.30	25.90	0.17	8.19	7.99
7/19/2019	Footbridge		0.10	25.60	0.18	8.16	7.32
7/19/2019	Footbridge		0.40	25.70	0.18	8.14	7.14
7/26/2019	Spillway	0.165	0.50	25.00	0.16	8.00	7.99
7/26/2019	Plunge Pool		0.10	23.80	0.15	7.58	4.97
7/26/2019	Footbridge		0.10	23.20	0.15	7.68	5.05
7/26/2019	Footbridge		0.30	23.30	0.15	7.63	4.75
8/2/2019	Spillway	-0.090	0.50	26.60	0.16	8.75	9.89
8/2/2019	Plunge Pool		0.30	24.70	0.16	7.92	6.44
8/2/2019	Footbridge		0.10	24.60	0.16	7.85	5.65
8/2/2019	Footbridge		0.30	24.60	0.16	7.85	5.56
8/9/2019	Spillway	-0.325	0.50	25.60	0.16	9.18	11.12
8/9/2019	Plunge Pool		0.10	25.20	0.17	8.05	6.76
8/9/2019	Footbridge		0.10	24.50	0.17	8.20	5.90
8/9/2019	Footbridge		0.40	24.70	0.17	8.07	5.74
8/16/2019	Spillway	-0.515	0.50	24.50	0.16	9.33	11.66
8/16/2019	Plunge Pool		0.10	24.50	0.17	8.91	8.65
8/16/2019	Footbridge		0.10	23.80	0.17	8.51	6.90
8/16/2019	Footbridge		0.30	23.90	0.17	8.47	6.85
8/23/2019	Spillway	-1.195	0.50	27.40	0.16	9.29	11.58
8/23/2019	Plunge Pool		0.10	26.50	0.17	8.83	8.61
8/23/2019	Footbridge		0.10	24.90	0.18	8.46	6.33
8/23/2019	Footbridge		0.40	25.50	0.17	8.31	6.10
8/30/2019	Spillway	-1.425	0.50	23.60	0.17	9.03	11.22
8/30/2019	Plunge Pool		0.10	23.20	0.17	8.73	8.75
8/30/2019	Footbridge		0.10	22.40	1.44	8.03	4.76
8/30/2019	Footbridge		0.20	23.10	2.15	7.69	3.63
9/6/2019	Spillway	-1.450	0.50	22.20	0.17	9.23	10.92

## 2019 Mill River DO and Salinity Measurements

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DATE	Station	14-day Median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/l)
9/6/2019	Plunge Pool		0.20	22.40	0.17	9.02	9.07
9/6/2019	Footbridge		0.10	20.70	0.95	8.15	6.29
9/6/2019	Footbridge		0.50	23.00	3.94	7.58	4.60
9/13/2019	Spillway	-0.305	0.50	21.30	0.17	8.91	9.88
9/13/2019	Plunge Pool		0.20	20.60	0.17	8.82	9.01
9/13/2019	Footbridge		0.10	19.50	0.19	8.51	7.13
9/13/2019	Footbridge		0.20	19.50	0.19	8.42	7.01
10/11/2019	Spillway	0.120	0.60	15.60	0.19	7.88	4.06
10/11/2019	Plunge Pool		0.20	15.60	0.19	8.21	7.24
10/11/2019	Footbridge		0.10	15.10	0.19	8.57	8.53
10/11/2019	Footbridge		0.50	15.20	0.19	8.29	7.86
10/18/2019	Spillway	-2.765	0.20	14.20	0.19	7.99	5.08
10/18/2019	Plunge Pool		0.20	14.30	0.19	8.03	7.34
10/18/2019	Footbridge		0.10	14.20	0.19	8.17	8.49
10/18/2019	Footbridge		0.30	14.30	0.19	8.11	8.56
10/25/2019	Spillway	-3.405	0.20	12.60	0.13	7.73	5.88
10/25/2019	Plunge Pool		0.30	13.10	0.13	7.90	8.33
10/25/2019	Footbridge		0.10	12.50	0.14	8.37	8.97
10/25/2019	Footbridge		0.20	12.60	0.14	8.33	8.85