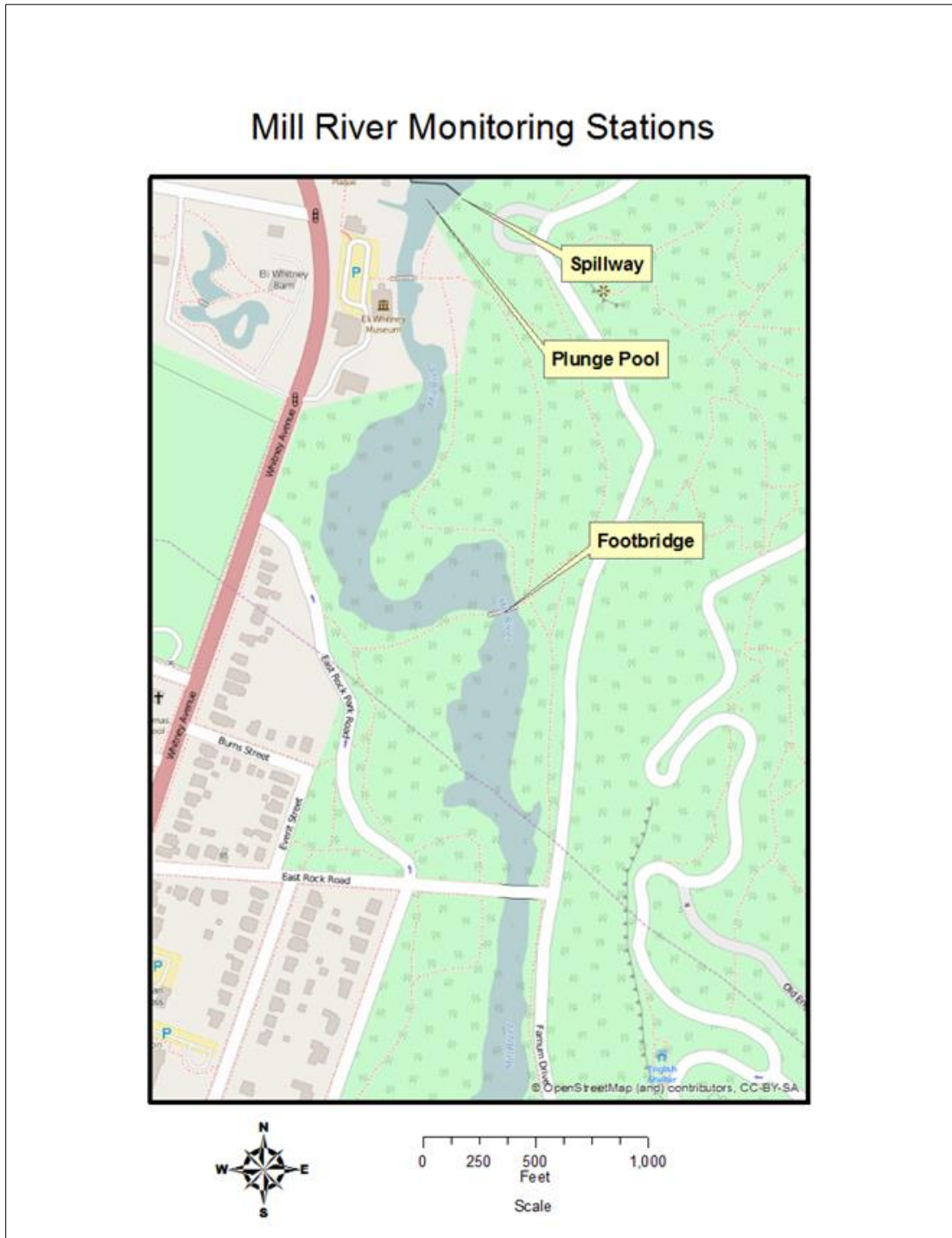


### 2018 Mill River Dissolved Oxygen and Salinity Measurements

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 2018 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.



2018 Mill River DO and Salinity Measurements

**2018 Mill River Dissolved Oxygen and Salinity Measurements.**

The normal monitoring period (through September) was utilized due to above average rainfall and continued overflow from Lake Whitney.

DATE	Station	14-day Median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/l)
7/13/2018	Spillway	0.19	0.5	25.61	0.15	8.12	5.33
7/13/2018	Plunge Pool		0.5	24.42	0.15	8.12	7.19
7/13/2018	Footbridge		0.5	23.42	0.15	7.88	4.79
7/20/2018	Spillway	0.175	0.4	25.62	0.17	8.50	6.52
7/20/2018	Plunge Pool		0.4	24.78	0.17	8.45	6.29
7/20/2018	Footbridge		0.7	23.79	0.17	7.05	3.20
7/20/2018	Footbridge		0.1	23.93	0.17	6.94	3.95
7/27/2018	Spillway	0.185	0.4	25.55	0.16	7.93	4.37
7/27/2018	Plunge Pool		0.4	25.33	0.16	7.92	6.83
7/27/2018	Footbridge		0.5	25.07	0.16	6.36	5.72
7/27/2018	Footbridge		0.1	25.08	0.16	6.36	5.71
8/31/2018	Spillway	0.16	0.2	26.41	0.15	9.20	7.00
8/31/2018	Plunge Pool		0.3	25.00	0.15	8.25	7.99
8/31/2018	Footbridge		0.1	24.60	0.16	7.49	5.95
9/7/2018	Spillway	0.14	0.2	26.56	0.16	8.23	6.60
9/7/2018	Plunge Pool		0.3	26.23	0.16	7.91	6.70
9/7/2018	Footbridge		0.5	25.93	0.16	6.77	4.73
9/7/2018	Footbridge		0.1	25.94	0.16	6.62	4.85
9/14/2018	Spillway	0.145	0.3	25.67	0.16	8.01	7.05
9/14/2018	Plunge Pool		0.4	25.02	0.16	8.00	7.85
9/14/2018	Footbridge		0.1	24.54	0.17	7.56	5.94
9/14/2018	Footbridge		0.5	24.53	0.16	7.58	5.92
9/21/2018	Spillway	0.185	0.3	22.17	0.16	8.25	7.18
9/21/2018	Plunge Pool		0.4	21.56	0.16	8.09	7.17
9/21/2018	Footbridge		0.1	21.07	0.17	6.82	5.05
9/21/2018	Footbridge		0.5	21.08	0.17	6.89	4.79
9/28/2018	Spillway	0.17	0.5	17.58	0.07	7.34	5.39
9/28/2018	Plunge Pool		0.6	17.51	0.07	7.26	7.28
9/28/2018	Footbridge		0.8	17.59	0.07	6.97	6.97
9/28/2018	Footbridge		0.1	17.59	0.07	6.96	7.11