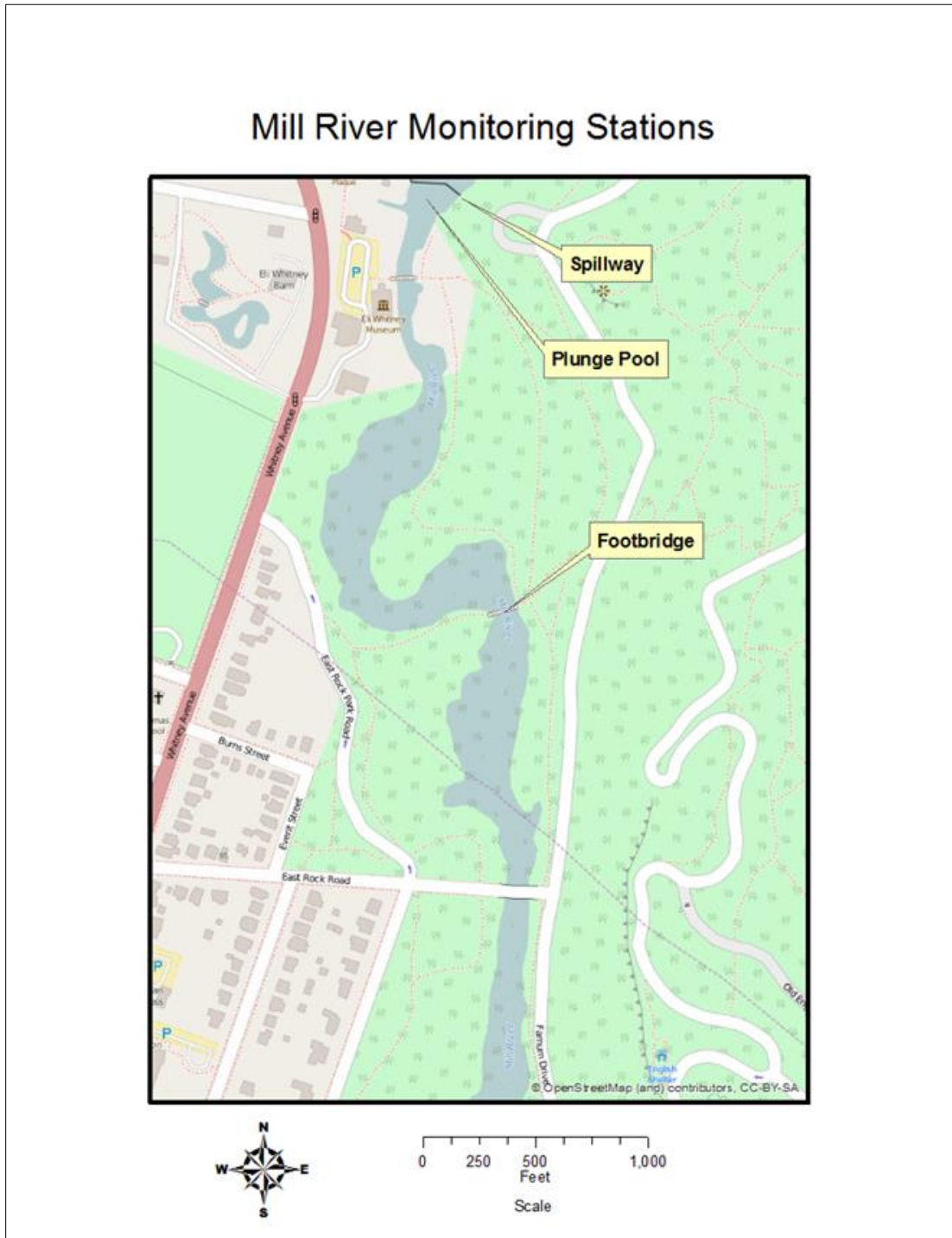


### 2016 Mill River Dissolved Oxygen and Salinity Measurements

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 2016 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 in the early morning hours 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.



2016 Mill River DO and Salinity Measurements

**2016 Mill River Dissolved Oxygen and Salinity Measurements.**

The normal monitoring period was extended from September into November due to the lake level being below spillway as a result of drought conditions.

DATE	Station	14-day Median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/l)
7/1/2016	Spillway	0.16	0.5	25.00	0.16	6.54	N/C
7/1/2016	Plunge Pool		0.6	23.87	0.16	6.77	N/C
7/1/2016	Footbridge		0.4	22.95	0.17	7.09	N/C
7/1/2016	Footbridge		0.7	22.95	0.17	7.09	N/C
7/8/2016	Spillway	0.16	0.5	26.18	0.16	6.74	7.92
7/8/2016	Plunge Pool		0.5	25.56	0.16	6.98	7.77
7/8/2016	Footbridge		0.3	24.92	0.16	7.15	5.41
7/8/2016	Footbridge		0.5	24.93	0.16	7.17	5.34
7/14/2016	Spillway	0.16	0.6	25.05	0.17	6.90	8.37
7/14/2016	Plunge Pool		0.6	24.86	0.17	7.06	8.02
7/14/2016	Footbridge		0.3	23.71	0.21	7.18	4.63
7/14/2016	Footbridge		0.5	23.79	0.25	7.19	4.54
7/22/2016	Spillway	0.13	0.5	26.11	0.17	7.31	9.47
7/22/2016	Plunge Pool		0.5	24.23	0.17	7.45	7.45
7/22/2016	Footbridge		0.2	24.67	1.49	7.27	4.68
7/22/2016	Footbridge		0.6	25.81	6.16	6.98	4.15
7/29/2016	Spillway	0.10	0.5	27.90	0.17	7.18	7.39
7/29/2016	Plunge Pool		0.4	26.36	0.17	7.62	6.82
7/29/2016	Footbridge		0.3	28.16	7.20	7.09	3.40
7/29/2016	Footbridge		0.6	28.24	7.28	7.05	2.79
8/5/2016	Spillway	0.13	0.6	25.28	0.17	7.32	7.47
8/5/2016	Plunge Pool		0.6	23.26	0.17	7.41	7.66
8/5/2016	Footbridge		0.2	22.59	0.30	7.39	4.55
8/5/2016	Footbridge		0.7	24.39	2.95	7.02	4.37
8/11/2016	Spillway	0.15	0.6	25.80	0.17	7.38	8.35
8/11/2016	Plunge Pool		0.7	25.57	0.17	7.47	7.47
8/11/2016	Footbridge		0.2	25.27	0.19	7.53	4.88
8/11/2016	Footbridge		0.5	25.27	0.19	7.52	4.83
8/19/2016	Spillway	0.12	0.7	27.60	0.17	7.67	9.29
8/19/2016	Plunge Pool		0.7	25.58	0.17	7.73	7.48
8/19/2016	Footbridge		0.1	25.41	2.23	7.32	3.73
8/19/2016	Footbridge		0.3	26.57	5.35	7.12	3.19
8/25/2016	Spillway	0.11	0.6	24.97	0.18	7.34	7.76

2016 Mill River DO and Salinity Measurements

DATE	Station	14-day Median lake level (ft)	Depth (m)	Temp (C)	Salinity (PSS)	pH	DO (mg/l)
8/25/2016	Plunge Pool		0.7	23.53	0.18	7.41	7.87
8/25/2016	Footbridge		0.2	24.13	0.38	7.28	3.37
8/25/2016	Footbridge		0.7	24.34	0.83	7.19	3.25
9/2/2016	Spillway	0.08	0.7	24.80	0.17	7.11	7.31
9/2/2016	Plunge Pool		0.7	24.08	0.17	7.21	7.91
9/2/2016	Footbridge		0.2	22.77	3.72	6.93	3.47
9/2/2016	Footbridge		0.5	24.34	9.72	6.67	2.84
9/9/2016	Spillway	-0.19	0.7	23.47	0.17	7.10	7.78
9/9/2016	Plunge Pool		0.6	22.66	0.17	7.14	8.02
9/9/2016	Footbridge		0.1	23.94	5.66	6.81	4.22
9/9/2016	Footbridge		0.8	24.10	12.42	6.62	3.01
9/16/2016	Spillway	-0.62	0.6	22.57	0.18	7.15	7.81
9/16/2016	Plunge Pool		0.6	21.94	0.18	7.22	7.89
9/16/2016	Footbridge		0.1	20.25	1.51	7.16	5.6
9/16/2016	Footbridge		0.6	22.70	8.88	6.76	4.09
9/23/2016	Spillway	-1.94	0.6	22.47	0.18	6.75	8.73
9/23/2016	Plunge Pool		0.5	21.68	0.18	6.90	8.06
9/23/2016	Footbridge		0.1	21.53	7.03	6.67	5.38
9/23/2016	Footbridge		0.5	22.77	20.00	6.57	4.37
9/30/2016	Spillway	-1.14	0.6	19.32	0.19	6.46	6.41
9/30/2016	Plunge Pool		0.7	18.69	0.19	6.58	7.9
9/30/2016	Footbridge		0.1	17.50	4.76	6.55	6.49
9/30/2016	Footbridge		0.6	17.61	7.45	6.54	6.03
10/7/2016	Spillway	-1.27	0.6	17.84	0.19	6.58	7.09
10/7/2016	Plunge Pool		0.6	17.29	0.19	6.71	8.43
10/7/2016	Footbridge		0.1	17.50	5.84	6.51	6.25
10/7/2016	Footbridge		0.5	18.90	13.77	6.43	5.25
10/14/2016	Spillway	-1.23	0.6	15.56	0.19	6.55	4.41
10/14/2016	Plunge Pool		0.6	15.13	0.19	6.69	8.57
10/14/2016	Footbridge		0.1	13.50	3.04	6.71	7.37
10/14/2016	Footbridge		0.4	17.13	12.06	6.29	5.65
10/21/2016	Spillway	-1.27	0.6	17.89	0.20	6.47	8.73
10/21/2016	Plunge Pool		0.5	17.19	0.20	6.57	8.42
10/21/2016	Footbridge		0.1	17.86	7.22	6.51	6.41
10/21/2016	Footbridge		0.4	18.10	13.56	6.36	5.07
10/28/2016	Spillway	-1.46	0.7	13.24	0.20	6.44	5.79
10/28/2016	Plunge Pool		0.5	12.75	0.20	6.63	9.27
10/28/2016	Footbridge		0.1	11.49	8.39	6.55	6.49

2016 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)
10/28/2016	Footbridge		0.4	12.55	13.14	6.42	4.31
11/18/2016	Spillway	-1.28	0.6	9.45	0.20	6.42	8.29
11/18/2016	Plunge Pool		0.6	9.45	0.20	6.53	8.67
11/18/2016	Footbridge		0.1	9.52	8.43	6.26	6.65
11/18/2016	Footbridge		0.4	10.4	12.33	6.19	5.97