

### 2012 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 2012 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.

#### 2012 Mill River DO & Salinity Data

DATE	Station	14-day Med. lake level (ft)	Depth (m)	Temp (°C)	Salinity (PSS)	pH	DO (mg/l)
7/13/2012	Spillway	0.19	0.5	26.2	0.13	7.4	7.6
7/13/2012	Plunge Pool	0.19	0.3	25.1	0.13	7.7	7.4
7/13/2012	Footbridge	0.19	0.3	24.1	0.13	7.6	4.0
7/13/2012	Footbridge	0.19	0.8	24.0	0.13	7.5	3.5
7/20/2012	Spillway	0.17	0.2	26.8	0.13	8.4	9.1
7/20/2012	Plunge Pool	0.17	0.2	25.9	0.13	8.4	7.6
7/20/2012	Footbridge	0.17	0.2	25.4	0.13	8.0	5.9
7/20/2012	Footbridge	0.17	0.9	25.4	0.13	7.9	5.7
7/27/2012	Spillway	0.18	0.2	25.9	0.14	8.4	8.8
7/27/2012	Plunge Pool	0.18	0.2	25.4	0.14	8.4	7.7
7/27/2012	Footbridge	0.18	0.2	25.0	0.14	7.9	5.2
7/27/2012	Footbridge	0.18	0.8	24.9	0.14	7.8	4.7
9/7/2012	Spillway	0.18	0.3	24.1	0.13	7.6	8.4
9/7/2012	Plunge Pool	0.18	0.3	23.6	0.13	7.8	7.9
9/7/2012	Footbridge	0.18	0.2	23.2	0.13	7.6	5.0
9/7/2012	Footbridge	0.18	0.9	23.2	0.13	7.5	5.0
9/14/2012	Spillway	0.18	0.2	21.7	0.14	7.7	7.5
9/14/2012	Plunge Pool	0.18	0.1	20.8	0.14	7.9	8.4
9/14/2012	Footbridge	0.18	0.2	20.2	0.14	7.7	5.7
9/14/2012	Footbridge	0.18	0.8	20.2	0.14	7.6	5.2
9/21/2012	Spillway	0.18	0.2	20.0	0.14	7.7	6.2
9/21/2012	Plunge Pool	0.18	0.2	19.4	0.14	7.7	8.3
9/21/2012	Footbridge	0.18	0.2	18.6	0.14	7.7	6.7
9/21/2012	Footbridge	0.18	0.9	18.6	0.14	7.6	6.5
9/28/2012	Spillway	0.18	0.2	19.8	0.14	7.7	8.0
9/28/2012	Plunge Pool	0.18	0.2	19.3	0.14	7.8	8.4
9/28/2012	Footbridge	0.18	0.2	19.0	0.14	7.7	6.4
9/28/2012	Footbridge	0.18	0.7	19.0	0.14	7.6	6.4

#### Mill River DO & Salinity Monitoring Locations

