

### 2013 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 2013 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.

#### 2013 Mill River DO & Salinity Data

DATE	Station	14-day Med. lake level (ft)	Depth (m)	Temp (°C)	Salinity (PSS)	pH	DO (mg/l)
8/30/2013	Spillway	0.19	0.3	24.2	0.14	8.6	9.7
8/30/2013	Plunge Pool	0.19	0.3	23.5	0.14	8.6	7.9
8/30/2013	Footbridge	0.19	0.3	23.0	0.14	8.3	4.8
8/30/2013	Footbridge	0.19	0.8	23.0	0.14	8.2	4.6
9/13/2013	Spillway	0.18	0.3	23.2	0.14	7.6	7.7
9/13/2013	Plunge Pool	0.18	0.3	23.1	0.14	7.8	7.6
9/13/2013	Footbridge	0.18	0.3	22.9	0.14	7.8	6.2
9/13/2013	Footbridge	0.18	1.2	22.9	0.14	7.7	6.2
9/20/2013	Spillway	0.18	0.3	19.2	0.14	7.9	6.4
9/20/2013	Plunge Pool	0.18	0.3	18.2	0.14	7.8	8.2
9/20/2013	Footbridge	0.18	0.2	17.3	0.14	7.8	6.4
9/20/2013	Footbridge	0.18	0.8	17.3	0.14	7.7	6.2
9/27/2013	Spillway	0.19	0.3	18.7	0.14	8.0	8.3
9/27/2013	Plunge Pool	0.19	0.3	17.8	0.14	8.0	8.6
9/27/2013	Footbridge	0.19	0.3	17.8	0.15	7.9	4.9
9/27/2013	Footbridge	0.19	0.9	17.3	0.15	7.8	5.0

#### Mill River DO & Salinity Monitoring Locations

