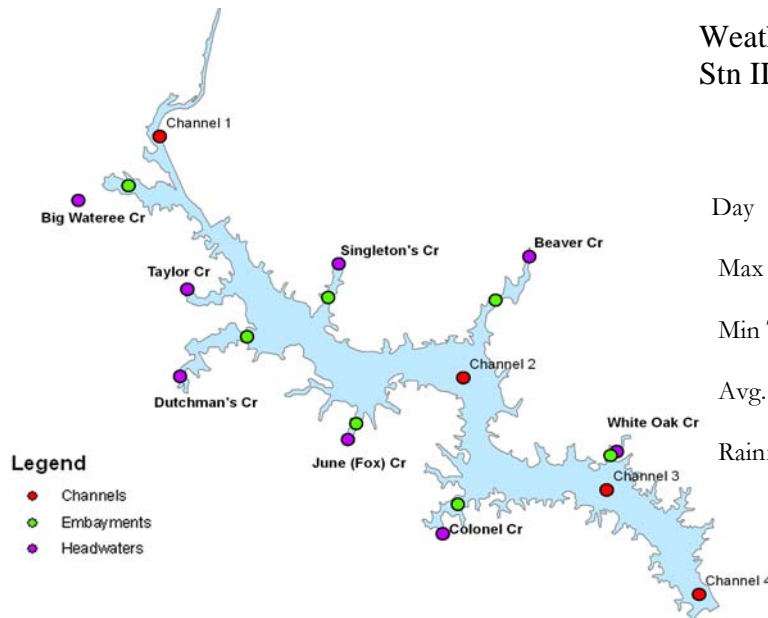


Report on Sample Run April 9, 2010

Our latest sample run was completed on Friday, April 9, 2010 at all twenty sample sites. Randy Kelley skippered the Water Watch boat and along with Dan Tufford sampled the headwaters. Ned Gwin and Captain Ron took USC student Allyson Shea to sample the embayments and channels. There was a relatively short but intense rain event a couple of hours prior to beginning the sampling run (score: actual weather - 1, weather forecasters – 0). By the time we were ready to start the sampling the promise of good weather ahead was on our minds. Very choppy water and persistent cloud cover until after lunch kept a chill in the air and our optimism at bay.



Weather Conditions at Wateree Dam Stn ID: 388979

Day	Fri 9th	Thur 8th	Prev. 7 days
Max Temp	79	85	86.8
Min Temp	55	59	52.4
Avg. Temp	67	72	69.9
Rainfall (in.)	missing	0.00	0.00

The water quality compliance index was 97%, compared to the historic index of 69% for the same time of year (April). This means that of the 57 surface water samples taken (i.e., those at 1 ft below the surface) 3% (or 2 of the 57 samples taken) were *not* in compliance with SCDHEC water quality criteria. Not surprisingly the SCDHEC turbidity criterion (25 NTU) was the only criterion exceeded. The two sites that did exceed the criterion were Taylor Creek Headwater and White Oak Creek Embayment. We are still in a period when higher than normal turbidity may occur in disturbed watersheds so two exceedances are not alarming.

In the historical data from 2000-2002 and 2009, all three criterion were exceeded. All of the DO exceedances were from the years 2001 and 2002. Of the 26 historical pH exceedances, 25 were during 2002. The turbidity exceedances occurred in 2000 and 2009. With the exception of the pH exceedances in 2002, none of them show a particular pattern, occurring in all three site types (channel, headwater, embayment).