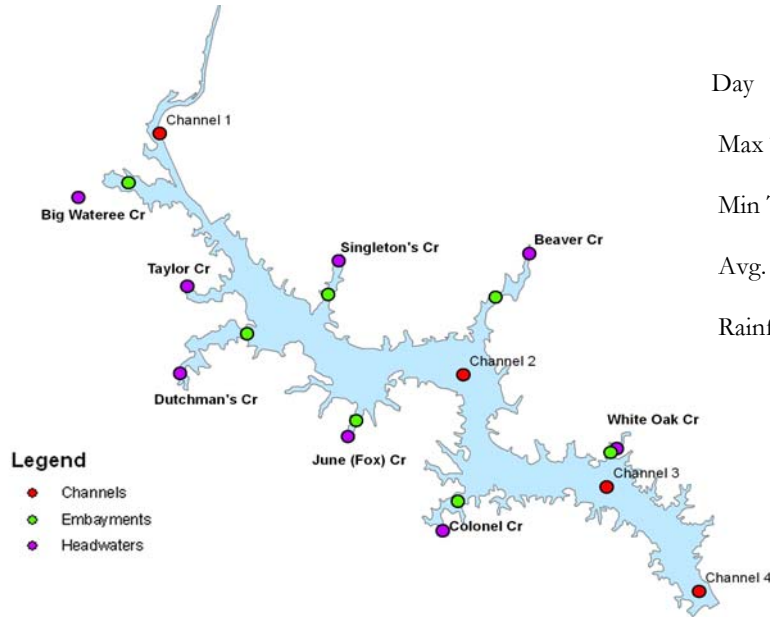


## Report on Sample Run January 15, 2010

Our latest sample run was completed on Friday, January 15, 2010 at all twenty sample sites. Randy Kelly skippered the Water Watch boat and took Dan Tufford for the sampling trip on the lake – this team took the headwaters. Hank Kerfoot skippered his boat with Gary Faulkenberry and USC student, Allyson Shea - this team took the embayments and channels. This month is the first time the monthly report was not prepared by Buz Kloot; so the finely tuned sense of humor we are used to will be absent. Times change.

### Weather Conditions at Wateree Dam Stn ID: 388979

Day	Fri 15th	Thur 14th	Prev. 7 days
Max Temp	56	52	52
Min Temp	20	19	14
Avg. Temp	38	35.5	33
Rainfall (in.)	0	0	0



The water quality compliance index was 72%, this compares with a historic index of 78% for the same time of year (January). This means that of the 60 surface water samples taken (i.e., those at 1 ft below the surface) 28% (or 17 of the 60 samples taken) were *not* in compliance with SCDHEC water quality criteria. Not surprisingly the SCDHEC turbidity criterion (25 NTU) was the only criterion exceeded this month. The three sites that did not exceed the criterion were Channel 1, Dutchman's Creek headwater, and Big Wateree Creek headwater. This may indicate the heavy sediment mobilization from recent rains is finally stabilizing. Big Wateree Creek headwater had the second lowest turbidity reading of the day, a very different result from the norm which is that it tends to have among the highest turbidity. We will watch to see if this is an anomaly or the beginning of a trend.

During the January 2002 sampling there were eight pH exceedences ranging from 8.64 to 9.47. All were in creek headwaters and embayments: Big Wateree Creek, Taylor Creek, Colonel Creek, and Dutchman Creek. There were no pH exceedences during our sampling this month.