

## TERMS USED IN TABLES

**AQUATIC LIFE USE SUPPORT (AL)** - The degree to which aquatic life is protected is assessed by comparing important water quality characteristics and the concentrations of potentially toxic pollutants with standards. Aquatic life use support is based on the percentage of standards excursions at a sampling site.

For **dissolved oxygen** and **pH**:

If the percentage of standard excursions is 10% or less, then uses are *fully supported*.

If the percentage of standard excursions is greater than 10% and less than or equal to 25%, then uses are *partially supported*.

If the percentage of standard excursions is greater than 25%, uses are *not supported* (see p.12 for further information).

For **toxins** (heavy metals, priority pollutants, chlorine, ammonia):

If the chronic or acute aquatic life standard for any individual toxicant is not exceeded more than once, uses are *fully supported*.

If the appropriate acute or chronic aquatic life standard is exceeded more than once (i.e.  $\geq 2$ ), but is less than or equal to 10% of the samples, uses are *partially supported*.

If the appropriate acute or chronic aquatic life standard is exceeded more than once (i.e.  $\geq 2$ ), and is greater than 10% of the samples, aquatic life uses are *not supported* (see p.12 for further information).

For **turbidity** and waters with **numeric total phosphorus, total nitrogen, and chlorophyll-a**:

If the percentage of standard excursions is 25% or less, then uses are *fully supported*.

If the percentage of standard excursions is greater than 25%, then uses are *not supported* (see p.13 for further information).

**RECREATIONAL USE SUPPORT (REC)** - The degree to which the swimmable goal of the Clean Water Act is attained (recreational use support) is based on the frequency of fecal coliform bacteria excursions, defined as greater than 400/100 ml for all surface water classes.

If 10% or less of the samples are greater than 400/100 ml, then recreational uses are said to be *fully supported*.

If the percentage of standards excursions is greater than 10% and less than or equal to 25%, then recreational uses are said to be *partially supported*.

If the percentage of standards excursions is greater than 25%, then recreational uses are said to be *nonsupported* (see p.14 for further information).

**Excursion** - The term excursion is used to describe a measurement that does not comply with the appropriate water quality standard.

**Table 1. Fully Supported Sites in the Catawba River Basin 2004-2008**

\* = Station not evaluated for Recreational Support; TD=TMDL Developed; TI=TMDL Implementation; Trend Data 1994-2008

<b>Watershed</b>	<b>Waterbody Name</b>	<b>Station #</b>	<b>Improving Trends</b>	<b>Other Trends</b>
<b>03050104-01</b>	Lake Wateree	CW-207	Decreasing Turbidity, Total Phosphorus, Total Nitrogen, Fecal Coliform	Increasing pH
<b>03050104-02</b>	Flat Rock Creek	CW-077		
	Sanders Creek	CW-710		
<b>03050104-03</b>	Big Pine Tree Creek	CW-021		Increasing BOD <sub>5</sub>
<b>03050104-04</b>	Kelly Creek	CW-154 TD		Increasing BOD <sub>5</sub>
	Colonels Creek	CW-250		Increasing BOD <sub>5</sub> , Total Phosphorus; Decreasing pH
		CW-240		Increasing BOD <sub>5</sub> ; Decreasing Dissolved Oxygen
	Wateree River	CW-206	Increasing Dissolved Oxygen; Decreasing Turbidity, Total Phosphorus, Total Nitrogen, Total Suspended Solids	
		CW-222/ SC-002	Decreasing Total Phosphorus, Total Suspended Solids, Fecal Coliform	Increasing BOD <sub>5</sub> , pH

**Table 2. Impaired Sites in the Catawba River Basin 2004-2008**

REC=Recreational; AL=Aquatic Life; DW= Drinking Water; PS=Partially Supported Standards; NS=Nonsupported Standards; \*=Station not evaluated for Recreational Support; TD=TMDL Developed; TI=TMDL Implementation; Trend Data 1994-2008

Watershed	Waterbody Name	Station #	Use	Status	Water Quality Indicator	Improving Trends	Other Trends
03050104-01	Lake Wateree	CW-231	AL	NS	Total Phosphorus	Decreasing Turbidity, Total Phosphorus, Total Suspended Solids	Increasing BOD <sub>5</sub> , Total Nitrogen; Decreasing Dissolved Oxygen
		CW-208	AL	PS	pH	Increasing Dissolved Oxygen; Decreasing Turbidity, Total Phosphorus	Increasing pH
		RL-08035	AL	NS	Total Phosphorus, pH		
		CW-209	AL	PS	pH	Decreasing Turbidity, Total Phosphorus, Total Nitrogen, Total Suspended Solids, Fecal Coliform	Increasing pH
		CL-089	AL	PS	Dissolved Oxygen, pH	Decreasing Total Phosphorus, Total Nitrogen	Increasing BOD <sub>5</sub>
	Little Wateree Creek	CW-040	AL	NS	Zinc	Decreasing Turbidity	Increasing Total Phosphorus, pH
	Big Wateree Creek	CW-072 TD, TI (REC)	AL	PS	Dissolved Oxygen	Decreasing Fecal Coliform	Increasing BOD <sub>5</sub> ; Decreasing pH
			REC	NS	Fecal Coliform		
	Tranham Creek	RS-07059	REC	PS	Fecal Coliform		
03050104-02	Grannies Quarter Creek	CW-237 <sup>TD</sup>	REC	NS	Fecal Coliform		Increasing BOD <sub>5</sub>
	Sawneys Creek Tributary	RS-08073 <sup>TD</sup>	REC	NS	Fecal Coliform		
	Sawneys Creek	CW-228 <sup>TD</sup>	REC	NS	Fecal Coliform		Increasing Fecal Coliform
		CW-079 <sup>TD</sup>	REC	NS	Fecal Coliform		Increasing BOD <sub>5</sub>

**Table 2. Impaired Sites in the Catawba River Basin 2004-2008**

REC=Recreational; AL=Aquatic Life; DW= Drinking Water; PS=Partially Supported Standards; NS=Nonsupported Standards; \*=Station not evaluated for Recreational Support; TD=TMDL Developed; TI=TMDL Implementation; Trend Data 1994-2008

Watershed	Waterbody Name	Station #	Use	Status	Water Quality Indicator	Improving Trends	Other Trends
03050104-02 (continued)	Bear Creek	CW-229 <sup>TD</sup>	REC	NS	Fecal Coliform		Increasing pH
	Twentyfive Mile Creek	CW-080 <sup>TD for REC</sup>	AL	PS	Macroinvertebrates		Increasing BOD <sub>5</sub> ; Decreasing Dissolved Oxygen
			REC	PS	Fecal Coliform		
03050104-03	Wateree River	CW-019	AL	PS	Dissolved Oxygen	Decreasing Turbidity, Fecal Coliform	Increasing pH
	Little Pine Tree Creek	CW-223	REC	NS	Fecal Coliform		Increasing BOD <sub>5</sub> , Turbidity, Fecal Coliform
	Swift Creek	CW-082	AL	PS	Dissolved Oxygen		Increasing Turbidity
		CW-238	AL	NS	Dissolved Oxygen		Increasing BOD <sub>5</sub> , pH
03050104-04	Spears Creek	CW-155 <sup>TD</sup>	REC	PS	Fecal Coliform		Increasing BOD <sub>5</sub> , Fecal Coliform
		CW-166 <sup>TD</sup>	REC	PS	Fecal Coliform		Increasing BOD <sub>5</sub> , Total Phosphorus, Total Nitrogen, pH

**Table 3. Changes in Use Support Status**

***Catawba River Basin Sites that Improved from 2004 to 2008***

REC= Recreational; AL=Aquatic Life; FS=Fully Supported Standards; PS=Partially Supported Standards; NS=Nonsupported Standards; TD=TMDL Developed; TI=TMDL Implementation

Watershed	Waterbody Name	Station #	Use	Status		Water Quality Indicator	
				2004	2008	2004	2008
03050104-01	Lake Wateree	CW-208	AL	NS	PS	Total Phosphorus, pH, Chlorophyll-a	pH
		CW-207	AL	NS	FS	Total Phosphorus, pH	
		CW-209	AL	NS	PS	Total Phosphorus, pH	pH
	Little Wateree Creek	CW-040	REC	PS	FS	Fecal Coliform	
03050104-02	Grannies Quarter Creek	CW-237	AL	PS	FS	pH	
	Bear Creek	CW-229	AL	PS	FS	Dissolved Oxygen	
03050104-04	Kelly Creek	CW-154	REC	PS	FS	Fecal Coliform	
	Spears Creek	CW-166	REC	NS	PS	Fecal Coliform	Fecal Coliform

## Table 4. Changes in Use Support Status

### *Catawba River Basin Sites that Degraded from 2004 to 2008*

REC= Recreational; AL=Aquatic Life; FS=Fully Supported Standards; PS=Partially Supported Standards; NS=Nonsupported Standards; TD=TMDL Developed; TI=TMDL Implementation

Watershed	Waterbody Name	Station #	Use	Status		Water Quality Indicator	
				2004	2008	2004	2008
03050104-03	Little Pine Tree Creek	CW-233	REC	PS	NS	Fecal Coliform	Fecal Coliform
03050104-04	Spears Creek	CW-155	REC	FS	PS		Fecal Coliform