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Temperature, Conductivity, Dissolved oxygen, pH, ORP, Chlorophyll, Turbidity and Nutrient (N, P) data in the South Fork of the Catawba River at Spencer Mountain, 2000-2006

These data included in the Excel file were generated by Lake Wylie Covekeeper volunteers over the indicated time period. Water samples were collected from the Spencer Mountain Road bridge over the South Fork of the Catawba River:

- Temperature (C), conductivity (mS/cm), dissolved oxygen (mg/l), pH, ORP (mV) were determined by a YSI 6600 Sonde Environmental Monitoring System (YSI, Inc., Yellow Springs, OH 45387). Standard calibrations, as indicated by the manufacturer, were carried out prior to sampling.

- Turbidity data, NTU = nephelometric turbidity units, determined by a YSI 6600 Sonde Environmental Monitoring System fitted with a turbidity sensor. A 2-point calibration was routine prior to sampling.

- Total Nitrogen, TN, mg/l (ppm): Separate water samples were kept on ice and if not analyzed within 24 hours, acid stabilized (sulfuric acid) for storage. Analyzed by Hach Co. (Loveland, CO 80539) persulfate digestion method 10071.

- Nitrogen-Nitrate, mg/l (ppm): Separate water samples were kept on ice and if not analyzed within 24 hours, acid stabilized (sulfuric acid) for storage. Analyzed by Hach Co. UV direct reading method 10049.

- Total Phosphorus, TP, mg/l (ppm): Separate water samples were kept on ice and if not analyzed within 24 hours, acid stabilized (sulfuric acid) for storage. Analyzed by Hach Co. PhosVer3 with acid persulfate digestion method 8180.

- Reactive Phosphorus, PO4, mg/l (ppm): Separate water samples were kept on ice and if not analyzed within 24 hours, acid stabilized (sulfuric acid) for storage. Analyzed by Hach Co. molybdovanadate method 8114.