

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT 03...	1200	139	.31	773	7.9	75	6.7	257	16.0	13.4	--	--	--
FEB 11...	1245	94.2	.21	769	10.1	85	6.5	194	13.0	8.2	51	14.8	3.42
AUG 15...	1405	628	1.4	767	7.1	79	5.7	193	22.0	20.8	52	15.4	3.35
AUG 17...	1245	314	.70	--	7.2	--	5.7	204	--	20.4	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd, mg/L (00605)
OCT 03...	--	--	--	--	--	--	1.9	2.0	1.32	8.25	.106	.62	.65
FEB 11...	4.76	8.83	13	24.4	10.4	102	1.5	1.6	1.15	5.78	.021	.31	.40
AUG 15...	8.21	7.76	5	22.6	20.7	104	1.3	1.3	.54	5.05	.008	.75	.73
AUG 17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT 03...	<.02	.011	.054	10	10	--	--
FEB 11...	<.02	.009	.039	7.2	7.3	4.1	220
AUG 15...	.02	.039	.100	6.3	6.3	--	278
AUG 17...	--	--	--	--	--	--	--