

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954 - 60, 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1954 to September 1960.

WATER TEMPERATURE: September 1954 to September 1960.

REMARKS.--Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources as part of a long-term project to develop a multimedia integrated modeling system (MIMS). Daily records of specific conductance for September 1954 to September 1960 are available in the files of the District Office in Raleigh, NC. Sample in September 1999 collected during flooding from Hurricane Floyd.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 673 microsiemens, Aug. 21, 1955; minimum daily, 39 microsiemens, Nov. 2, 1959.

WATER TEMPERATURE: Maximum daily, 35.0°C, June 28, 29, 1959; minimum daily, 0.0°C Jan. 13, 1955, Dec. 11, 1958.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATURATION (PER-CENT) (00301)	HARDNESS TOTAL AS (MG/L) (00900)	CALCIUM DIS-SOLVED AS CA (MG/L) (00915)	MAGNESIUM, DIS-SOLVED AS MG (MG/L) (00925)	SODIUM, DIS-SOLVED AS NA (MG/L) (00930)	SODIUM PERCENT (00932)
OCT 26...	1015	744	155	7.0	17.2	766	8.0	83	33	8.80	2.70	15.0	46
NOV 14...	1530	740	169	6.7	14.6	--	8.2	--	33	8.70	2.80	17.0	49
DEC 11...	1530	1940	141	6.8	6.5	770	10.8	87	30	7.70	2.60	12.0	41
JAN 18...	0830	1620	132	6.9	8.8	773	--	--	28	7.50	2.30	11.0	42
FEB 07...	0845	1880	127	7.0	8.0	775	11.3	94	30	7.90	2.40	12.0	43
FEB 27...	1345	3710	108	6.7	11.8	773	9.8	89	25	6.40	2.10	9.2	41
APR 05...	0845	8690	79	6.3	12.9	777	7.7	72	20	5.00	1.80	6.0	36
JUL 12...	1055	4390	74	6.2	27.4	767	5.3	66	17	4.50	1.50	5.6	36

DATE	SODIUM AD-SORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED AS K (MG/L) (00935)	SULFATE DIS-SOLVED AS SO4 (MG/L) (00945)	CHLORIDE, DIS-SOLVED AS CL (MG/L) (00940)	FLUORIDE, DIS-SOLVED AS F (MG/L) (00950)	SILICA, DIS-SOLVED AS SIO2 (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITROGEN, NITRATE DIS-SOLVED AS N (MG/L) (00618)	NITROGEN, NITRITE TOTAL (MG/L) (00615)	NITROGEN, NITRITE DIS-SOLVED AS N (MG/L) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED AS N (MG/L) (00631)	NITROGEN, AMMONIA DIS-SOLVED AS N (MG/L) (00608)
OCT 26...	1	4.10	12.0	15.0	.2	9.2	97	90	--	--	<.010	.740	.070
NOV 14...	1	4.60	13.0	17.0	.2	7.2	105	94	--	--	<.010	.650	.080
DEC 11...	1.0	5.40	11.0	17.0	.1	7.9	88	81	--	--	<.010	.780	.030
JAN 18...	.9	3.90	11.0	15.0	.1	6.0	87	75	.750	--	.010	.760	<.010
FEB 07...	1.0	4.00	10.0	13.0	.1	5.1	99	74	--	--	<.010	.720	<.010
FEB 27...	.8	3.50	9.1	12.0	.1	5.4	77	63	--	<.01	<.010	.610	.015
APR 05...	.6	2.90	7.4	8.0	<.1	4.7	67	47	--	--	<.010	.320	<.010
JUL 12...	.6	3.00	6.8	6.3	.1	6.1	57	45	--	--	<.010	.280	.050

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
OCT												
26...	.36	.28	.43	.35	1.2	1.1	.080	.030	.020	160	30.0	4.1
NOV												
14...	.58	.43	.66	.51	1.3	1.2	.060	.030	.030	270	26.0	4.0
DEC												
11...	.43	.38	.46	.41	1.2	1.2	.030	<.020	.030	350	16.0	5.5
JAN												
18...	--	--	.34	.22	1.1	.98	.050	.020	<.010	340	15.0	3.6
FEB												
07...	--	--	.47	.37	1.2	1.1	.040	.020	.030	420	17.0	4.1
27...	.55	.39	.57	.41	1.2	1.0	.080	.040	.050	470	18.0	7.8
APR												
05...	--	--	.58	.53	.90	.85	.050	<.020	.030	320	17.0	9.7
JUL												
12...	.57	.44	.62	.49	.90	.77	.110	.060	.030	180	17.0	8.9