

02091814 NEUSE RIVER NEAR FORT BARNWELL, NC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954 - 60, 1999 to September 2002 (discontinued).

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 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
Date		NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT													
30...	0805	691	778	9.8	90	7.1	171	12.4	--	--	--	--	E.30
DEC													
19...	0815	1080	767	10.5	97	6.9	137	12.2	16.3	8.4	9.9	E.03	.38
FEB													
21...	0815	2430	765	9.8	89	6.3	117	11.0	13.3	5.5	10.5	E.04	.43
APR													
08...	1205	8990	--	6.9	--	5.9	83	15.3	8.78	5.2	6.8	E.02	.46
JUN													
27...	0845	353	767	6.5	85	7.1	222	29.4	23.6	5.3	17.7	<.04	.37
JUL													
25...	0845	687	765	6.3	81	7.4	192	28.3	20.1	6.3	16.0	E.02	.35
AUG													
22...	0915	659	770	5.9	76	7.3	220	28.6	24.9	3.5	20.9	.08	.38
SEP													
19...	0845	1120	766	6.0	72	7.0	171	25.3	16.7	8.8	16.8	.05	.48

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
OCT 30...	--	E.10	--
DEC 19...	.05	.136	505
FEB 21...	.02	.073	391
APR 08...	.03	.100	552
JUN 27...	.07	.131	120
JUL 25...	.07	.146	174
AUG 22...	.07	.102	124
SEP 19...	.09	.166	888

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value