



Water-Data Report 2008

0208701660 HOLMAN CREEK AT I-85 NEAR STEM, NC (H-4)

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 36°10'42", long 78°41'56" referenced to North American Datum of 1983, Granville County, NC, Hydrologic Unit 03020201, 2.36 mi southeast of Stem.

DRAINAGE AREA.--3.09 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 2005, December 2005, February 2008 to April 2008.

COOPERATION.--Station operated in cooperation with the U.S. Army Corps of Engineers to characterize water-quality conditions upstream from Lake Rogers.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
[Remark codes: <, less than.]

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Total nitrogen, wat unfltrd, by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L as P (00665)	Suspended sediment concentration mg/L (80154)
Sep 08...	1040	.00	1.6	19	7.0	212	21.8	.206	.079	1.72	<.030	.123	53

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 1 of 2
[Remark codes: <, less than.]

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Total nitrogen, wat unfltrd, by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L as P (00665)	Suspended sediment concentration mg/L (80154)
Dec 05...	1415	1.4	8.5	73	6.9	190	8.4	.044	.427	1.86	<.030	.143	26

0208701660 HOLMAN CREEK AT I-85 NEAR STEM, NC (H-4)—Continued

**WATER-QUALITY
DATA**

**WATER YEAR
OCTOBER 2005 TO
SEPTEMBER 2006**

Part 2 of 2
[Remark codes:
<, less than.]

Date	Suspended sediment discharge, tons/d (80155)
Dec 05...	.10

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)
Feb									
14...	1345	Surface water, regular	1.2	9.2	74	5.4	133	6.3	<.020
14...	1350	QC - Surface water, replicate	--	9.2	74	5.4	133	6.3	<.020
Mar									
05...	1245	Surface water, regular	7.8	8.2	80	6.2	74	13.4	<.020
Apr									
28...	1635	Surface water, regular	15	5.3	58	6.2	92	18.5	.025

0208701660 HOLMAN CREEK AT I-85 NEAR STEM, NC (H-4)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 2

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitrogen, wat unf by anal ysis, mg/L (62855)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L as P (00665)	Suspended sedi-ment concen-tration mg/L (80154)	Suspended sedi-ment dis-charge, tons/d (80155)	Data base number	Medium code
Feb								
14...	.16	.50	E.005	E.02	4	.01	01	WS
14...	.15	.52	E.005	E.02	6	--	04	WSQ
Mar								
05...	.14	.85	E.005	.06	12	.25	01	WS
Apr								
28...	E.03	.82	.006	.05	15	.61	01	WS