

Water-Data Report 2007

**0212467595 GOOSE CREEK AT SECONDARY ROAD 1525 NEAR INDIAN TRAIL, NC**

Upper Pee Dee Basin  
Rocky Subbasin

LOCATION.--Lat 35°07'30", long 80°36'10" referenced to North American Datum of 1983, Union County, NC, Hydrologic Unit 03040105, on left upstream wingwall on Secondary Road 1525, 4.9 mi northwest of Indian Trail.

DRAINAGE AREA.--11.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2003 to current year.

REVISED RECORDS.--WDR NC-05-1: 2004(M).

GAGE.--Water-stage recorder, crest-stage gage and concrete control. Datum of gage is 549.82 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at site.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record affected by regulation of unknown origin. Minimum discharge for current water year and period of record also occurred September 30, 2007.

## 0212467595 GOOSE CREEK AT SECONDARY ROAD 1525 NEAR INDIAN TRAIL, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.70	2.2	7.1	16	32	88	4.3	2.9	1.2	7.6	1.4	0.42
2	0.70	1.9	4.6	9.1	24	445	6.9	2.8	1.0	3.6	1.2	0.30
3	0.48	1.8	3.9	6.2	11	28	4.2	2.8	3.1	2.2	1.2	0.23
4	0.47	1.7	3.7	5.7	7.2	17	4.1	3.1	2.0	2.1	1.1	0.31
5	0.43	1.7	3.5	42	6.2	14	3.7	3.4	1.4	1.8	0.82	0.39
6	0.42	1.8	3.5	50	5.5	12	3.7	3.5	1.2	1.5	0.64	0.40
7	0.46	13	3.4	61	5.5	12	3.7	3.0	1.1	5.2	0.57	0.31
8	5.5	17	3.0	109	5.0	7.4	3.6	2.5	0.95	3.6	0.56	0.32
9	2.4	4.6	3.0	23	4.8	6.4	3.7	2.7	1.7	1.7	0.39	0.37
10	0.92	3.1	3.0	15	4.6	6.1	3.7	2.7	0.99	1.8	0.38	0.37
11	0.78	2.5	3.1	12	4.5	5.9	4.1	2.6	0.92	1.4	0.38	0.28
12	1.5	32	3.0	7.2	4.4	5.7	12	2.5	1.1	1.4	0.44	0.25
13	1.2	5.0	3.0	6.3	32	5.4	5.1	2.6	1.3	1.3	0.34	0.26
14	0.92	3.9	3.0	5.9	63	5.5	7.9	2.4	25	1.6	0.32	0.26
15	0.85	5.6	4.3	5.6	15	5.2	84	2.2	6.0	5.5	0.26	0.82
16	0.87	207	4.5	5.3	7.6	8.9	21	2.0	2.5	3.2	0.21	0.41
17	103	15	2.8	4.6	6.5	7.3	7.1	1.9	1.9	1.8	0.19	0.28
18	24	7.3	2.7	5.5	5.9	5.8	6.1	1.8	1.6	1.6	0.18	0.21
19	5.8	4.9	2.8	5.9	5.3	5.1	9.4	1.8	1.3	1.5	0.23	0.18
20	4.6	4.3	2.7	4.9	5.2	5.0	18	1.8	1.2	1.3	0.26	0.18
21	2.2	149	3.5	9.4	5.3	4.9	8.2	1.8	1.0	1.2	0.24	0.18
22	1.8	687	50	43	5.0	4.8	7.0	1.7	e1.9	1.1	0.23	0.19
23	1.8	43	16	11	4.7	4.8	5.0	1.6	0.68	0.98	0.70	0.29
24	1.5	19	6.7	7.7	4.4	4.7	4.4	1.6	13	0.56	0.71	0.23
25	1.5	13	102	6.5	23	4.5	4.2	1.6	180	0.54	0.58	0.19
26	1.7	7.6	23	5.8	12	4.3	4.0	1.6	32	0.52	0.55	0.17
27	9.8	6.5	12	5.5	7.0	4.3	4.2	1.5	4.9	10	0.52	e0.15
28	52	6.5	12	5.4	5.7	4.3	3.8	1.3	3.3	24	0.36	0.14
29	4.9	6.3	6.8	4.8	---	4.2	3.6	1.3	7.0	2.6	0.24	0.12
30	3.2	7.0	5.5	4.7	---	4.2	3.4	1.2	12	1.8	0.23	0.16
31	2.5	---	7.9	e4.4	---	4.1	---	1.1	---	1.5	0.29	---
<b>Total</b>	238.90	1,281.2	316.0	508.4	322.3	744.8	264.1	67.3	313.24	96.50	15.72	8.37
<b>Mean</b>	7.71	42.7	10.2	16.4	11.5	24.0	8.80	2.17	10.4	3.11	0.51	0.28
<b>Max</b>	103	687	102	109	63	445	84	3.5	180	24	1.4	0.82
<b>Min</b>	0.42	1.7	2.7	4.4	4.4	4.1	3.4	1.1	0.68	0.52	0.18	0.12
<b>Cfsm</b>	0.70	3.88	0.93	1.49	1.05	2.18	0.80	0.20	0.95	0.28	0.05	0.03
<b>In.</b>	0.81	4.33	1.07	1.72	1.09	2.52	0.89	0.23	1.06	0.33	0.05	0.03

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	6.11	13.5	10.8	8.93	9.73	14.2	7.45	2.76	10.7	4.89	4.92	12.3
<b>Max</b>	8.81	42.7	23.1	16.4	12.2	24.0	12.1	4.25	22.1	8.27	9.11	42.7
<b>(WY)</b>	(2006)	(2007)	(2006)	(2007)	(2005)	(2007)	(2005)	(2005)	(2005)	(2005)	(2006)	(2004)
<b>Min</b>	3.41	3.08	4.66	3.59	4.91	4.52	3.93	2.17	4.86	3.11	0.51	0.28
<b>(WY)</b>	(2004)	(2004)	(2004)	(2004)	(2006)	(2006)	(2006)	(2007)	(2004)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2004 - 2007	
<b>Annual total</b>	3,331.87		4,176.83			
<b>Annual mean</b>	9.13		11.4		8.84	
<b>Highest annual mean</b>					11.4	2007
<b>Lowest annual mean</b>					7.16	2006
<b>Highest daily mean</b>	687	Nov 22	687	Nov 22	687	Nov 22, 2006
<b>Lowest daily mean</b>	0.39	Jul 19	0.12	Sep 29	0.12	Sep 29, 2007
<b>Annual seven-day minimum</b>	0.52	Oct 1	0.17	Sep 24	0.17	Sep 24, 2007
<b>Maximum peak flow</b>			1,780	Mar 2	2,830	Sep 28, 2004
<b>Maximum peak stage</b>			8.04	Mar 2	9.64	Sep 28, 2004
<b>Instantaneous low flow</b>			<sup>a</sup> 0.09	Sep 29	<sup>a</sup> 0.09	Sep 29, 2007
<b>Annual runoff (cfsm)</b>	0.830		1.04		0.803	
<b>Annual runoff (inches)</b>	11.27		14.13		10.91	
<b>10 percent exceeds</b>	12		16		12	
<b>50 percent exceeds</b>	3.3		3.5		3.4	
<b>90 percent exceeds</b>	0.92		0.35		1.1	

<sup>a</sup> See Remarks.

