



Water-Data Report 2009

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 mi².

SURFACE-WATER RECORDS

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

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

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 streamgage.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for current water year and period of record affected by regulation of unknown origin. Minimum discharge for period of record also occurred September 30, 2007. Minimum discharge for current water year also occurred September 15, 16.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	0.74	11	1.5	2.3	370	7.7	2.3	4.4	1.3	6.6	0.79
2	0.98	0.82	3.0	1.6	2.3	94	7.2	2.1	4.2	1.2	3.2	0.69
3	0.92	0.73	1.8	1.7	6.2	26	8.7	1.7	4.2	1.1	2.6	0.49
4	0.90	0.82	1.5	41	3.7	13	6.1	1.5	6.8	1.2	2.0	0.49
5	0.89	1.1	1.3	8.2	2.8	9.8	5.6	28	26	1.2	1.6	0.45
6	0.86	1.1	1.2	91	2.6	7.8	5.4	23	7.4	1.7	1.5	0.46
7	0.75	0.78	1.2	46	2.6	6.6	4.8	4.8	5.6	1.6	1.5	1.0
8	1.3	1.2	1.0	13	2.6	5.9	4.5	3.0	5.2	1.5	1.6	0.76
9	4.4	0.66	0.88	6.7	2.4	5.3	3.6	2.6	5.0	1.4	1.8	0.43
10	1.4	0.72	2.1	5.4	2.3	4.6	4.2	2.0	5.0	1.6	2.0	0.42
11	0.94	0.73	113	5.7	2.4	4.4	26	4.3	16	1.3	1.8	0.40
12	0.79	0.69	71	4.6	3.0	3.9	5.2	2.7	12	1.1	2.0	0.41
13	0.73	1.8	8.6	4.1	2.3	5.0	4.2	1.9	5.4	2.1	2.8	0.40
14	0.71	16	4.8	3.8	2.5	13	6.2	1.7	4.6	1.9	3.1	0.41
15	0.70	6.2	3.8	3.5	2.5	39	4.8	74	4.2	0.99	3.6	0.29
16	0.61	1.9	3.1	3.1	5.6	24	3.6	21	5.5	0.82	3.1	0.27
17	0.67	1.1	2.6	3.1	3.1	14	3.3	6.2	34	1.00	4.0	1.4
18	12	0.80	2.5	3.2	17	8.8	3.5	7.3	5.6	1.00	1.7	0.97
19	2.3	5.0	7.1	2.8	32	7.2	3.4	4.0	4.9	0.80	1.4	0.86
20	1.1	2.4	7.3	2.8	5.7	13	12	3.2	3.7	0.60	1.2	1.3
21	0.88	0.67	16	2.5	4.0	6.6	4.7	2.7	3.2	0.75	1.2	1.1
22	0.83	0.57	4.2	2.3	3.5	5.6	3.6	2.3	3.6	0.80	1.2	0.73
23	0.71	0.64	2.6	2.3	3.0	5.7	3.2	2.0	3.2	1.1	1.1	0.67
24	0.69	0.67	2.4	2.3	2.8	5.3	3.0	7.6	2.7	4.2	0.93	0.72
25	1.4	1.5	2.5	2.2	2.7	5.2	2.8	35	2.4	1.3	0.88	0.68
26	1.6	1.2	2.2	2.1	2.5	7.2	2.7	20	2.4	1.0	0.72	0.42
27	0.93	0.89	2.0	2.1	2.9	7.0	2.5	38	2.3	1.0	0.74	3.7
28	0.66	0.77	2.2	3.5	57	187	2.3	20	1.8	35	0.73	1.3
29	0.62	1.1	2.5	4.9	---	64	2.3	11	1.3	71	0.77	0.73
30	0.70	39	2.0	2.7	---	15	2.2	5.7	1.3	21	0.71	0.63
31	0.72	---	1.8	2.4	---	9.2	---	4.7	---	4.5	0.80	---
Total	43.89	92.30	289.18	282.1	184.3	993.1	159.3	346.3	193.9	167.06	58.88	23.37
Mean	1.42	3.08	9.33	9.10	6.58	32.0	5.31	11.2	6.46	5.39	1.90	0.78
Max	12	39	113	91	57	370	26	74	34	71	6.6	3.7
Min	0.61	0.57	0.88	1.5	2.3	3.9	2.2	1.5	1.3	0.60	0.71	0.27
Cfsm	0.13	0.28	0.85	0.83	0.60	2.91	0.48	1.02	0.59	0.49	0.17	0.07
In.	0.15	0.31	0.98	0.95	0.62	3.36	0.54	1.17	0.66	0.56	0.20	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.51	9.69	10.1	8.15	8.90	16.8	7.60	4.15	8.41	6.44	4.89	8.76
Max	8.81	42.7	23.1	16.4	12.2	32.0	12.1	11.2	22.1	13.7	9.11	42.7
(WY)	(2006)	(2007)	(2006)	(2007)	(2005)	(2009)	(2005)	(2009)	(2005)	(2008)	(2006)	(2004)
Min	1.23	0.96	4.66	3.59	4.91	4.52	3.93	2.17	1.15	3.11	0.51	0.28
(WY)	(2008)	(2008)	(2004)	(2004)	(2006)	(2006)	(2006)	(2007)	(2008)	(2007)	(2007)	(2007)

0212467595 GOOSE CREEK AT SECONDARY ROAD 1525 NEAR INDIAN TRAIL, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 2004 - 2009	
Annual total	2,329.20	2,833.68		
Annual mean	6.36	7.76	8.20	
Highest annual mean			11.4	2007
Lowest annual mean			6.09	2008
Highest daily mean	166	Jul 23	370	Mar 1
Lowest daily mean	0.24	Jun 19	0.27	Sep 16
Annual seven-day minimum	0.56	Jun 5	0.37	Sep 10
Maximum peak flow			1,060	Mar 1
Maximum peak stage			6.00	Mar 1
Instantaneous low flow			0.21	Sep 13
Annual runoff (cfsm)	0.579	0.706	0.745	
Annual runoff (inches)	7.88	9.58	10.13	
10 percent exceeds	11	13	12	
50 percent exceeds	2.2	2.5	3.1	
90 percent exceeds	0.69	0.72	0.80	

^a See Remarks.

