



Water-Data Report 2011

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(annual 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.1	0.95	17	2.0	1.8	19	8.1	2.1	1.8	1.1	12	1.4
2	1.9	0.89	2.6	4.7	17	4.1	5.7	2.1	1.7	0.85	2.8	0.84
3	1.6	0.92	1.6	2.6	3.6	3.0	4.8	2.1	1.5	0.74	2.1	3.2
4	1.8	2.2	1.5	2.1	37	2.7	4.4	8.0	1.4	0.67	1.7	1.4
5	1.5	2.2	1.7	2.0	45	2.6	16	3.1	1.4	0.66	112	1.3
6	1.6	1.1	1.6	2.2	7.8	49	5.8	2.7	1.3	1.4	9.4	2.0
7	1.4	1.1	1.4	2.1	4.7	13	4.5	2.8	0.82	0.92	3.8	1.4
8	1.2	1.1	1.3	1.8	4.0	5.1	4.2	2.7	0.70	0.87	3.3	0.83
9	1.1	1.2	1.4	1.7	3.2	21	6.5	2.9	6.3	1.7	6.6	0.81
10	1.1	1.2	1.5	1.9	3.0	60	12	2.8	8.0	0.89	2.6	0.74
11	1.0	1.2	1.4	2.7	2.8	13	5.0	4.9	4.2	0.70	2.1	0.83
12	0.98	1.2	3.1	2.7	2.6	6.8	4.2	4.1	55	0.86	1.8	1.0
13	0.97	1.2	2.4	2.5	2.6	5.6	3.7	3.6	3.5	0.91	1.7	1.0
14	0.97	1.3	1.5	2.1	2.5	4.9	3.4	3.5	2.5	2.6	1.8	1.1
15	0.97	1.3	1.4	2.1	2.3	4.5	3.2	4.9	2.1	0.83	3.4	1.0
16	1.0	1.3	1.6	2.1	2.3	4.3	5.9	3.4	2.0	0.67	1.7	1.2
17	1.1	1.3	2.0	2.1	2.3	3.4	4.6	5.0	1.9	0.67	1.4	1.3
18	1.2	1.3	1.8	2.8	2.2	2.8	3.3	4.4	1.8	0.60	1.3	1.7
19	1.1	1.2	2.0	2.4	2.5	2.6	3.0	3.6	2.0	0.50	1.4	2.3
20	1.2	1.3	1.6	2.1	2.1	2.5	2.8	3.1	2.1	0.45	1.5	2.3
21	1.2	1.4	1.4	2.0	2.3	2.4	2.7	2.9	1.9	0.33	1.7	3.5
22	0.94	1.3	1.5	1.8	2.3	2.4	3.4	2.4	3.8	0.34	11	5.1
23	0.80	1.3	1.4	1.9	2.0	2.4	3.6	2.0	1.9	0.32	2.2	49
24	0.58	1.3	1.4	1.9	2.1	2.5	3.0	1.9	1.5	3.5	2.0	28
25	2.3	1.3	1.4	1.8	2.3	2.1	2.7	1.7	2.4	3.0	1.9	7.0
26	3.0	1.4	2.7	2.7	2.1	5.8	2.4	1.7	1.2	7.5	1.9	3.1
27	1.4	1.4	2.7	2.8	2.1	42	2.4	13	1.0	1.7	1.9	1.9
28	1.0	1.4	1.9	2.1	20	13	2.5	12	3.6	0.64	1.9	6.5
29	0.93	1.3	1.8	1.9	---	7.0	2.2	3.6	6.5	0.44	1.9	1.6
30	0.88	1.4	1.7	1.9	---	59	2.1	2.6	1.8	0.34	1.8	1.1
31	1.0	---	1.7	1.8	---	15	---	2.2	---	99	1.8	---
Total	40.82	38.96	70.0	69.3	186.5	383.5	138.1	117.8	127.62	135.70	204.4	134.45
Mean	1.32	1.30	2.26	2.24	6.66	12.4	4.60	3.80	4.25	4.38	6.59	4.48
Max	3.1	2.2	17	4.7	45	60	16	13	55	99	112	49
Min	0.58	0.89	1.3	1.7	1.8	2.1	2.1	1.7	0.70	0.32	1.3	0.74
Cfsm	0.12	0.12	0.21	0.20	0.61	1.12	0.42	0.35	0.39	0.40	0.60	0.41
In.	0.14	0.13	0.24	0.23	0.63	1.30	0.47	0.40	0.43	0.46	0.69	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.78	9.86	12.1	9.77	11.5	15.6	6.84	4.10	8.35	8.04	5.98	7.36
Max	8.81	42.7	33.7	27.0	32.1	32.0	12.1	11.2	22.1	21.3	11.9	42.7
(WY)	(2006)	(2007)	(2010)	(2010)	(2010)	(2009)	(2005)	(2009)	(2005)	(2010)	(2010)	(2004)
Min	1.23	0.96	2.26	2.24	4.91	4.52	3.93	2.17	1.15	3.11	0.51	0.28
(WY)	(2008)	(2008)	(2011)	(2011)	(2006)	(2006)	(2006)	(2007)	(2008)	(2007)	(2007)	(2007)

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

	Calendar Year 2010		Water Year 2011		Water Years 2004 - 2011	
Annual total	3,954.32		1,647.15			
Annual mean	10.8		4.51		8.59	
Highest annual mean					15.0	2010
Lowest annual mean					4.51	2011
Highest daily mean	409	Feb 5	112	Aug 5	687	Nov 22, 2006
Lowest daily mean	0.38	Sep 21	0.32	Jul 23	0.12	Sep 29, 2007
Annual seven-day minimum	0.42	Sep 16	0.46	Jul 17	0.14	Sep 27, 2007
Maximum peak flow			1,040	Jul 31	2,830	Sep 28, 2004
Maximum peak stage			5.94	Jul 31	9.64	Sep 28, 2004
Instantaneous low flow			^a 0.18	Jul 24	^a 0.09	Sep 29, 2007
Annual runoff (cfsm)	0.985		0.410		0.781	
Annual runoff (inches)	13.37		5.57		10.61	
10 percent exceeds	16		6.5		12	
50 percent exceeds	3.6		2.1		3.0	
90 percent exceeds	0.98		0.95		0.84	

^a See Remarks.

