

Water-Data Report 2008

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 site.

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 October 2, 3.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.19	0.56	1.0	5.6	60	3.7	4.3	8.5	1.4	0.70	2.1	4.2
2	0.12	0.47	0.98	3.9	11	3.1	3.4	4.3	1.3	0.60	1.7	1.7
3	0.13	0.51	0.94	2.7	5.3	2.7	3.4	3.6	1.1	0.56	1.5	1.2
4	0.17	0.56	0.98	2.4	4.3	43	6.8	3.4	1.1	0.33	1.3	1.1
5	0.17	0.61	1.4	2.1	5.8	44	38	3.0	0.98	0.27	1.1	0.94
6	0.18	0.56	1.2	2.1	4.7	8.7	12	2.7	0.60	26	0.56	6.2
7	0.23	0.51	0.84	2.2	3.4	38	6.1	2.4	0.55	2.9	0.50	1.9
8	0.25	0.65	0.98	2.3	2.9	40	4.7	2.3	0.50	20	2.5	1.1
9	0.20	0.70	0.94	2.5	3.0	12	4.4	2.3	0.45	11	0.71	0.98
10	0.18	0.72	0.98	1.9	2.7	7.3	3.8	2.1	0.38	3.1	0.54	1.1
11	0.15	0.77	0.93	2.8	2.6	5.9	3.4	2.6	0.47	3.8	0.52	2.6
12	0.16	0.84	0.95	2.4	3.7	5.3	3.8	2.3	4.8	2.0	0.45	1.5
13	0.18	0.85	1.2	1.9	8.7	4.6	3.5	1.8	1.3	1.5	3.7	1.2
14	0.21	0.80	1.1	1.6	8.6	4.2	2.9	1.7	0.92	10	3.1	1.1
15	0.23	0.75	1.1	1.5	4.4	45	2.7	1.8	0.86	2.7	1.3	0.91
16	0.21	1.3	35	1.5	3.4	29	2.4	3.0	0.84	1.5	4.0	2.3
17	0.17	0.97	3.9	28	2.5	8.1	2.4	1.9	0.70	1.0	4.7	4.0
18	0.18	0.85	2.3	11	26	5.8	2.3	1.7	0.34	0.90	2.6	1.6
19	0.21	0.87	2.0	6.4	5.6	9.7	2.2	1.9	0.24	0.86	1.3	1.0
20	0.20	0.80	1.9	7.9	3.7	15	2.3	1.6	0.63	0.86	1.0	0.88
21	0.23	1.4	2.8	4.2	3.1	6.1	2.2	1.7	1.6	0.80	0.89	0.89
22	0.25	5.1	2.4	4.2	12	5.1	2.0	1.5	0.59	19	0.82	0.94
23	0.23	2.1	2.3	4.6	6.3	4.4	1.9	1.4	2.3	166	0.46	0.80
24	0.29	0.67	2.8	3.8	4.4	3.9	1.9	1.3	1.2	109	0.34	0.68
25	4.6	0.66	1.6	2.6	3.5	3.6	1.8	1.3	0.59	10	0.34	0.65
26	22	0.81	42	2.4	12	3.3	1.8	1.2	0.30	8.1	30	8.1
27	3.8	0.81	9.8	2.4	6.9	3.2	9.7	0.74	2.2	7.3	146	15
28	1.1	0.93	5.1	2.4	4.6	3.1	136	11	3.6	6.8	8.3	4.2
29	0.65	0.81	38	2.2	4.0	3.0	31	4.9	1.7	2.9	8.4	2.1
30	0.64	0.89	74	3.7	---	2.8	12	2.0	0.87	1.8	7.3	1.4
31	0.53	---	17	2.0	---	3.4	---	1.6	---	1.6	3.3	---
Total	38.04	28.83	258.42	127.2	229.1	377.0	315.1	83.54	34.41	423.88	241.33	72.27
Mean	1.23	0.96	8.34	4.10	7.90	12.2	10.5	2.69	1.15	13.7	7.78	2.41
Max	22	5.1	74	28	60	45	136	11	4.8	166	146	15
Min	0.12	0.47	0.84	1.5	2.5	2.7	1.8	0.74	0.24	0.27	0.34	0.65
Cfsm	0.11	0.09	0.76	0.37	0.72	1.11	0.95	0.24	0.10	1.24	0.71	0.22
In.	0.13	0.10	0.87	0.43	0.77	1.27	1.07	0.28	0.12	1.43	0.82	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.13	11.0	10.3	7.96	9.36	13.8	8.06	2.75	8.80	6.64	5.49	10.4
Max	8.81	42.7	23.1	16.4	12.2	24.0	12.1	4.25	22.1	13.7	9.11	42.7
(WY)	(2006)	(2007)	(2006)	(2007)	(2005)	(2007)	(2005)	(2005)	(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)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2004 - 2008	
Annual total	2,666.02		2,229.12			
Annual mean	7.30		6.09		8.29	
Highest annual mean					11.4	2007
Lowest annual mean					6.09	2008
Highest daily mean	445	Mar 2	166	Jul 23	687	Nov 22, 2006
Lowest daily mean	0.12	Sep 29	0.12	Oct 2	0.12	Sep 29, 2007
Annual seven-day minimum	0.14	Sep 27	0.17	Oct 1	0.14	Sep 27, 2007
Maximum peak flow			1,590	Jul 24	2,830	Sep 28, 2004
Maximum peak stage			7.60	Jul 24	9.64	Sep 28, 2004
Instantaneous low flow			^a 0.11	Oct 1	^a 0.09	Sep 29, 2007
Annual runoff (cfs)	0.664		0.554		0.753	
Annual runoff (inches)	9.02		7.54		10.23	
10 percent exceeds	12		10		12	
50 percent exceeds	1.8		2.1		3.2	
90 percent exceeds	0.23		0.47		0.87	

^aSee Remarks.