

Water-Data Report 2011

**0214265808 TORRENCE CREEK AT BRADFORD HILL LANE NEAR HUNTERSVILLE, NC**

Santee Basin  
Upper Catawba Subbasin

LOCATION.--Lat 35°24'13", long 80°52'58" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, at Bradford Hill Lane, 2.4 mi west of Huntersville, NC

DRAINAGE AREA.--7.29 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 2007 to July 2010, November 2010 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 663.73 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--Records poor. This site shares a floodplain with a tributary to the site, streamflow at this site is augmented by contributing tributary flows once bankfull elevation is exceeded. Streamflows greater than about 720 ft<sup>3</sup>/sec (7.24 ft gage height) are not measured at this gage and are not accounted for in the computed streamflow record. Missing discharge values are days when the flow exceeded the rating. Streamgage temporarily removed July 27, 2010, due to stream restoration project and remained inactive through November 17, 2010. Minimum discharge for current water year also occurred August 11.

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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	---	---	58	3.7	1.2	10	6.2	0.86	0.77	1.1	1.0	0.66
2	---	---	7.6	4.4	20	2.5	4.4	0.87	0.50	0.92	0.67	0.68
3	---	---	3.3	2.0	3.0	2.1	3.7	1.7	0.41	0.89	0.63	0.89
4	---	---	2.4	1.8	26	1.5	4.2	15	0.41	0.87	0.59	0.71
5	---	---	1.9	1.7	55	4.6	25	2.0	0.45	0.90	32	31
6	---	---	1.5	1.7	12	43	5.8	1.2	0.44	0.79	26	25
7	---	---	1.3	1.5	5.0	14	3.2	0.98	0.42	2.9	9.0	4.7
8	---	---	1.3	1.5	3.3	5.3	2.7	0.89	0.40	9.8	0.93	1.9
9	---	---	1.2	1.2	2.3	22	8.7	1.1	3.1	14	0.56	1.0
10	---	---	1.3	1.7	1.9	46	8.8	0.76	0.67	7.5	0.34	0.84
11	---	---	1.3	3.8	1.4	22	3.7	17	3.2	13	1.2	0.78
12	---	---	6.2	3.3	1.3	9.5	3.2	2.4	7.4	1.3	0.42	0.75
13	---	---	2.2	2.9	1.3	4.5	2.8	1.5	1.6	2.2	16	0.73
14	---	---	1.8	2.4	1.8	3.7	2.4	3.2	0.58	1.2	25	0.67
15	---	---	1.6	1.9	1.7	3.4	2.2	3.9	0.54	0.65	15	0.72
16	---	---	2.3	2.0	1.5	3.6	43	3.0	0.58	0.80	3.3	0.65
17	---	---	1.6	2.0	1.8	3.1	11	29	0.50	0.68	1.6	0.67
18	---	0.87	1.8	2.4	1.5	2.9	4.6	4.8	0.56	0.65	1.0	0.84
19	---	0.91	1.6	2.0	1.4	2.6	3.1	2.6	0.80	0.59	0.93	0.98
20	---	0.94	1.3	1.6	1.2	2.3	2.5	1.8	0.48	0.51	0.85	0.79
21	---	1.00	1.3	1.4	1.3	2.5	2.2	1.4	0.42	0.43	0.94	31
22	---	1.0	1.2	1.3	1.3	2.5	7.5	1.1	0.90	0.56	1.1	14
23	---	1.5	1.2	1.2	1.1	2.2	3.3	0.93	0.48	0.43	0.87	30
24	---	1.1	1.1	1.0	1.1	3.9	2.1	0.95	0.47	0.42	0.88	11
25	---	1.2	1.5	1.1	1.5	1.9	1.6	0.86	0.46	0.46	0.82	9.9
26	---	2.7	4.3	13	0.94	2.7	1.4	0.90	0.44	0.51	0.76	7.8
27	---	1.3	2.0	4.7	1.1	15	1.4	10	0.43	0.45	0.72	7.3
28	---	1.0	1.5	2.7	14	6.3	1.5	4.5	8.1	0.45	0.66	5.3
29	---	1.00	1.4	1.5	---	3.1	1.1	1.4	15	0.44	0.76	2.2
30	---	3.9	1.3	1.3	---	37	0.94	0.89	1.5	0.50	0.94	1.4
31	---	---	1.3	1.2	---	14	---	0.79	---	11	0.65	---

**SUMMARY STATISTICS<sup>a</sup>**

	Calendar Year 2010		Water Year 2011		Water Years 2007 - 2011	
<b>Lowest daily mean</b>	0.45	Jul 8	0.34	Aug 10	0.08	Sep 10, 2007
<b>Annual seven-day minimum</b>	0.86	Jul 2	0.43	Jun 2	0.09	Sep 5, 2007
<b>Maximum peak stage</b>			5.49	Dec 1	11.61	Aug 27, 2008
<b>Instantaneous low flow</b>			<sup>a</sup> 0.11	Aug 10	0.04	Sep 10, 2007

<sup>a</sup> See Remarks.

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