

Water-Data Report 2008

**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 September 2008.

GAGE.--Water-stage recorder and crest-stage gage. Radio telemetry at station.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred October 3. 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 discharges values are days when the flow exceeded the rating.

## 0214265808 TORRENCE CREEK AT BRADFORD HILL LANE NEAR HUNTERSVILLE, NC—Continued

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

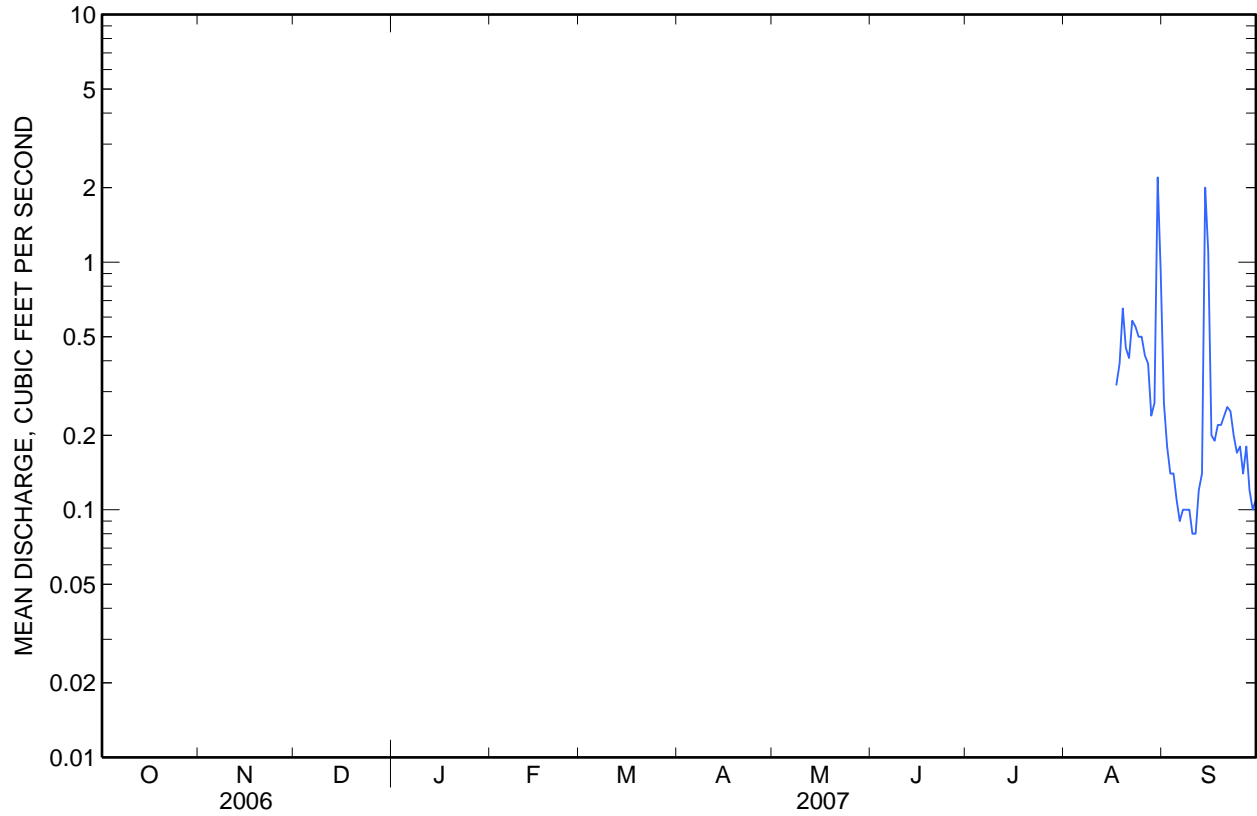
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	0.27
2	---	---	---	---	---	---	---	---	---	---	---	0.18
3	---	---	---	---	---	---	---	---	---	---	---	0.14
4	---	---	---	---	---	---	---	---	---	---	---	0.14
5	---	---	---	---	---	---	---	---	---	---	---	0.11
6	---	---	---	---	---	---	---	---	---	---	---	0.09
7	---	---	---	---	---	---	---	---	---	---	---	0.10
8	---	---	---	---	---	---	---	---	---	---	---	0.10
9	---	---	---	---	---	---	---	---	---	---	---	0.10
10	---	---	---	---	---	---	---	---	---	---	---	0.08
11	---	---	---	---	---	---	---	---	---	---	---	0.08
12	---	---	---	---	---	---	---	---	---	---	---	0.12
13	---	---	---	---	---	---	---	---	---	---	---	0.14
14	---	---	---	---	---	---	---	---	---	---	---	2.0
15	---	---	---	---	---	---	---	---	---	---	---	1.1
16	---	---	---	---	---	---	---	---	---	---	---	0.20
17	---	---	---	---	---	---	---	---	---	---	0.32	0.19
18	---	---	---	---	---	---	---	---	---	---	0.39	0.22
19	---	---	---	---	---	---	---	---	---	---	0.65	0.22
20	---	---	---	---	---	---	---	---	---	---	0.45	0.24
21	---	---	---	---	---	---	---	---	---	---	0.41	0.26
22	---	---	---	---	---	---	---	---	---	---	0.58	0.25
23	---	---	---	---	---	---	---	---	---	---	0.55	0.20
24	---	---	---	---	---	---	---	---	---	---	0.50	e0.17
25	---	---	---	---	---	---	---	---	---	---	0.50	e0.18
26	---	---	---	---	---	---	---	---	---	---	0.42	e0.14
27	---	---	---	---	---	---	---	---	---	---	0.39	0.18
28	---	---	---	---	---	---	---	---	---	---	0.24	0.12
29	---	---	---	---	---	---	---	---	---	---	0.27	0.10
30	---	---	---	---	---	---	---	---	---	---	2.2	0.11
31	---	---	---	---	---	---	---	---	---	---	0.91	---

0214265808 TORRENCE CREEK AT BRADFORD HILL LANE NEAR HUNTERSVILLE, NC—Continued

SUMMARY STATISTICS

Water Year 2007		
Lowest daily mean	0.08	Sep 10
Annual seven-day minimum	0.09	Sep 5
Maximum peak stage	2.23	Aug 30
Instantaneous low flow	0.04	Sep 10



## 0214265808 TORRENCE CREEK AT BRADFORD HILL LANE NEAR HUNTERSVILLE, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.12	0.51	0.87	4.7	45	1.5	4.1	3.4	1.4	0.91	2.2	3.3
2	0.12	0.48	0.88	2.6	12	1.4	2.2	2.6	1.3	0.90	1.7	2.0
3	0.13	0.49	1.4	1.6	5.5	1.3	4.8	2.1	1.3	1.1	1.4	1.9
4	0.14	0.50	0.68	1.5	3.4	26	12	1.9	1.3	9.8	0.95	1.9
5	0.18	0.48	0.66	1.4	2.4	25	39	1.6	1.1	5.4	0.90	1.6
6	0.14	0.48	0.67	1.4	2.0	7.4	19	1.5	1.0	5.5	0.86	1.4
7	0.14	0.47	0.66	1.3	1.7	23	9.1	1.5	1.00	1.5	0.79	1.4
8	0.14	0.50	0.70	1.3	1.5	14	6.1	1.5	0.98	14	0.74	5.8
9	0.14	0.53	0.67	1.2	1.4	6.6	4.1	8.7	0.96	5.3	0.67	3.3
10	0.16	0.53	0.62	2.7	1.4	4.2	3.5	2.8	1.4	4.1	0.67	41
11	0.15	0.54	0.64	4.3	1.3	3.4	3.3	7.8	0.92	2.7	0.62	23
12	0.16	0.57	0.64	1.5	1.3	2.8	5.9	3.2	0.89	1.3	0.53	5.8
13	0.18	0.57	0.70	1.3	4.1	2.3	4.1	1.7	0.88	1.1	0.79	3.3
14	0.17	0.59	0.80	1.2	3.0	2.3	3.6	1.5	0.87	1.1	0.63	2.3
15	0.18	2.0	2.4	1.1	1.5	26	3.6	1.5	0.87	0.99	0.88	1.7
16	0.18	0.72	11	1.1	1.4	18	3.0	3.7	0.85	0.94	0.75	18
17	0.20	0.58	1.1	20	1.4	6.6	2.9	1.6	0.84	0.86	0.56	6.0
18	0.21	0.57	0.89	8.3	3.5	4.0	2.7	21	0.80	0.78	0.56	3.1
19	0.67	0.58	0.84	6.1	1.4	9.6	2.5	9.3	0.79	0.81	0.49	2.1
20	0.21	0.53	0.83	4.8	1.3	9.9	2.0	24	0.80	0.73	0.46	1.8
21	0.19	0.65	1.6	1.9	1.3	4.2	1.8	9.9	0.88	0.67	0.48	1.7
22	0.20	2.0	0.94	e1.8	2.3	3.1	1.7	4.0	8.7	3.8	0.50	1.6
23	0.22	0.93	5.5	e1.8	1.5	2.2	1.8	2.3	20	4.5	0.49	1.6
24	0.98	0.74	1.6	1.5	1.3	1.8	1.7	e1.8	1.9	1.1	0.49	1.6
25	13	0.78	0.94	1.3	1.2	1.7	1.8	e1.6	1.1	0.79	2.3	1.8
26	12	1.0	12	1.3	11	1.6	1.9	1.6	1.0	0.80	---	14
27	2.1	1.0	2.1	1.3	5.7	1.6	4.5	1.5	1.9	0.67	---	e15
28	0.81	0.98	9.1	1.2	2.2	2.3	27	8.8	3.0	2.1	13	e4.7
29	0.57	0.92	10	1.3	1.6	3.9	11	3.8	1.4	14	5.4	2.3
30	0.52	0.89	34	1.3	---	1.6	4.8	1.8	1.1	13	3.2	1.9
31	0.51	---	16	1.2	---	5.5	---	1.5	---	6.2	4.3	---
<b>Total</b>	34.82	22.11	121.43	85.3	124.6	224.8	195.5	141.5	61.23	107.45	47.31	176.9
<b>Mean</b>	1.12	0.74	3.92	2.75	4.30	7.25	6.52	4.56	2.04	3.47	1.63	5.90
<b>Max</b>	13	2.0	34	20	45	26	39	24	20	14	13	41
<b>Min</b>	0.12	0.47	0.62	1.1	1.2	1.3	1.7	1.5	0.79	0.67	0.46	1.4
<b>Cfsm</b>	0.15	0.10	0.54	0.38	0.59	0.99	0.89	0.63	0.28	0.48	0.22	0.81
<b>In.</b>	0.18	0.11	0.62	0.44	0.64	1.15	1.00	0.72	0.31	0.55	0.24	0.90

## SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2007 - 2008	
<b>Lowest daily mean</b>	0.08	Sep 10	0.12	Oct 1	0.08	Sep 10, 2007
<b>Annual seven-day minimum</b>	0.09	Sep 5	0.14	Oct 1	0.09	Sep 5, 2007
<b>Maximum peak stage</b>			11.61	Aug 27	11.61	Aug 27, 2008
<b>Instantaneous low flow</b>			<sup>a</sup> 0.08	Oct 1	0.04	Sep 10, 2007

<sup>a</sup>See Remarks

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