



Water-Data Report 2009

0214297160 BEAVERDAM CREEK ABOVE WINDY GAP ROAD NEAR SHOPTON, NC

Santee Basin
Upper Catawba Subbasin

LOCATION.--Lat 35°10'11", long 80°59'16" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, on right bank 200 ft above Windy Gap Road, and 1.6 mi west of North Carolina Highway 160 at Shopton.

DRAINAGE AREA.--4.47 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 567.71 ft above North American Vertical Datum of 1988. Satellite and radio telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records poor. No flow occurs at times most years. Peak discharge for period of record and current water year not determined due to variable backwater from Lake Wylie.

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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	0.14	0.73	3.3	0.73	0.77	---	1.9	0.54	0.81	0.07	0.13	0.05
2	0.13	0.73	1.8	0.81	0.83	29	4.4	0.85	0.69	0.06	0.10	0.04
3	0.12	0.75	1.4	0.74	1.4	12	3.6	0.96	0.58	0.06	0.09	0.03
4	0.13	1.2	1.2	6.6	0.87	6.9	2.0	1.1	3.2	0.05	0.07	0.03
5	0.15	0.97	0.88	2.6	0.80	5.3	1.5	---	---	0.06	0.62	0.03
6	0.18	0.87	0.93	43	0.78	3.9	1.3	---	15	0.07	0.87	0.03
7	0.21	0.70	0.86	19	0.83	2.8	1.1	6.5	3.8	0.06	0.10	0.03
8	1.8	0.86	0.77	7.3	0.87	2.3	0.99	3.4	2.2	0.05	0.06	0.03
9	1.8	0.79	0.77	4.0	0.88	2.0	0.86	2.2	1.7	1.4	0.05	0.04
10	0.50	0.63	1.6	2.6	0.87	1.4	1.4	1.4	1.2	0.54	0.05	0.05
11	0.31	0.66	24	2.2	0.94	1.2	5.8	1.3	1.0	0.11	0.04	0.04
12	0.21	0.69	26	1.7	1.0	1.0	1.8	1.1	0.89	0.07	0.14	0.01
13	0.21	1.1	5.1	1.5	0.81	1.3	1.2	0.98	0.79	0.09	0.21	0.00
14	0.23	2.5	2.6	1.4	0.98	3.3	1.4	0.89	0.65	0.08	0.20	0.00
15	0.23	3.7	2.2	1.1	0.92	12	0.98	0.79	0.61	0.03	0.21	0.00
16	0.24	1.6	1.6	1.1	1.6	7.3	0.78	0.75	0.60	0.03	0.32	0.00
17	0.31	1.7	1.3	1.0	1.1	4.1	0.83	0.95	1.2	0.02	0.27	0.00
18	0.79	1.4	1.1	1.2	2.6	2.8	0.77	1.0	0.72	0.01	0.14	0.00
19	0.45	1.3	0.93	1.1	2.9	2.1	0.67	0.76	0.55	0.00	0.11	0.51
20	0.53	1.1	1.0	0.98	1.9	2.0	2.6	0.73	0.51	0.01	0.05	2.4
21	0.67	1.1	2.0	0.84	1.6	1.4	1.2	0.70	0.45	0.03	0.04	0.17
22	0.66	1.4	1.5	0.84	1.5	1.2	0.92	0.64	0.41	0.01	0.03	0.11
23	0.55	1.5	1.1	0.80	1.3	1.1	0.88	0.59	0.31	0.23	0.03	0.10
24	0.65	1.7	0.92	0.70	1.3	0.91	0.68	5.7	0.26	0.15	0.03	0.09
25	1.2	2.0	0.93	0.77	1.2	1.0	0.66	20	0.20	0.17	0.03	0.11
26	0.98	1.6	0.88	0.78	1.2	1.3	0.56	---	0.21	0.06	0.03	0.23
27	0.86	1.5	0.88	0.76	1.4	2.3	0.47	19	0.19	0.03	0.02	0.61
28	0.85	1.5	0.88	0.91	8.2	27	0.50	4.7	0.17	0.03	0.07	0.24
29	0.96	1.6	0.86	0.99	---	15	0.50	3.0	0.16	3.9	0.08	0.15
30	0.91	10	0.83	0.78	---	5.1	0.51	1.7	0.13	0.30	0.04	0.06
31	0.75	---	0.76	0.78	---	2.8	---	1.1	---	0.15	0.08	---
Total	17.71	47.88	90.88	109.61	41.35	161.81	42.76	83.33	39.19	7.93	4.31	5.19
Mean	0.57	1.60	2.93	3.54	1.48	5.39	1.43	2.98	1.35	0.26	0.14	0.17
Max	1.8	10	26	43	8.2	29	5.8	20	15	3.9	0.87	2.4
Min	0.12	0.63	0.76	0.70	0.77	0.91	0.47	0.54	0.13	0.00	0.02	0.00
Cfsm	0.13	0.36	0.66	0.79	0.33	1.21	0.32	0.67	0.30	0.06	0.03	0.04
In.	0.15	0.40	0.76	0.91	0.34	1.35	0.36	0.69	0.33	0.07	0.04	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.76	1.71	2.40	2.16	2.53	3.60	2.01	0.63	1.16	0.73	1.73	0.97
Max	1.33	5.02	4.73	3.69	4.34	5.75	3.58	1.03	2.29	1.62	4.59	3.01
(WY)	(2006)	(2007)	(2006)	(2007)	(2003)	(2005)	(2005)	(2005)	(2004)	(2003)	(2003)	(2004)
Min	0.04	0.07	1.02	0.77	1.42	1.14	0.98	0.26	0.06	0.07	0.00	0.10
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2006)	(2006)	(2008)	(2008)	(2008)	(2007)	(2007)

0214297160 BEAVERDAM CREEK ABOVE WINDY GAP ROAD NEAR SHOPTON, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009		Water Years 2003 - 2009	
Annual total	555.68				
Annual mean	1.52			1.65	
Highest annual mean				1.96	2007
Lowest annual mean				1.19	2008
Highest daily mean	100	Aug 27	43	Jan 6	100 Aug 27, 2008
Lowest daily mean	0.00	Jun 13	^0.00	Jul 19	^0.00 Sep 25, 2005
Annual seven-day minimum	0.00	Jun 30	0.00	Sep 12	0.00 Aug 3, 2007
Maximum peak flow				111	Jun 25, 2004
Maximum peak stage			3.75	Mar 1	5.91 Jun 7, 2003
Instantaneous low flow			^0.00	Jul 17	^0.00 Sep 24, 2005
Annual runoff (cfsm)	0.340				0.370
Annual runoff (inches)	4.62				5.03
10 percent exceeds	2.1				3.0
50 percent exceeds	0.57				0.82
90 percent exceeds	0.00				0.06

^a See Remarks.

