



Water-Data Report 2011

**021473428 WILDCAT CREEK BELOW ROCK HILL, SC**

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 34°53'22", long 81°04'10" referenced to North American Datum of 1927, York County, SC, Hydrologic Unit 03050103, on downstream side of bridge located on SR-998, approximately 2.5 mi southwest of Rock Hill.

DRAINAGE AREA.--29.7 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 1998 to September 2000, January 2006 to current year.

GAGE.--Data collection platform. Elevation of gage is 512 ft above NGVD of 1929 (from topographic map). Prior to January 25, 2006 at same site and datum.

REMARKS.--No estimated daily discharges. Records fair.

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021473428 WILDCAT CREEK BELOW ROCK HILL, SC—Continued

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

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.52	2.5	36	4.7	2.8	75	31	3.7	3.8	1.9	8.9	0.72
<b>2</b>	0.24	2.9	6.4	10	33	17	18	3.6	3.2	1.3	1.4	0.81
<b>3</b>	0.16	3.8	3.5	4.5	10	9.8	14	3.8	2.7	0.93	0.79	3.5
<b>4</b>	0.17	9.0	2.7	3.3	59	7.3	10	21	2.6	9.4	0.71	0.96
<b>5</b>	0.15	1.9	2.4	2.9	115	7.0	55	5.9	3.1	11	9.6	23
<b>6</b>	0.14	1.1	2.0	3.2	33	70	24	4.7	6.3	3.6	5.6	18
<b>7</b>	0.16	1.3	2.0	2.8	16	41	13	4.1	2.5	8.9	5.1	1.0
<b>8</b>	0.27	1.4	1.9	2.7	11	16	9.7	4.6	2.2	29	1.5	0.58
<b>9</b>	0.28	1.9	2.0	2.3	7.4	30	37	3.4	2.1	5.4	1.4	0.49
<b>10</b>	0.27	1.7	2.1	2.8	6.8	81	151	3.1	6.8	2.4	1.3	0.58
<b>11</b>	0.22	1.7	2.1	5.5	6.2	26	33	58	24	1.3	1.0	0.65
<b>12</b>	0.24	1.8	7.6	5.5	6.0	15	19	8.8	76	0.95	8.4	0.82
<b>13</b>	0.29	1.6	3.5	4.1	5.7	11	13	5.6	4.1	134	34	0.79
<b>14</b>	0.39	1.6	2.6	3.4	5.3	9.3	9.9	4.4	2.5	193	64	0.80
<b>15</b>	0.43	1.6	2.3	3.4	4.8	9.0	8.9	12	2.0	14	6.1	1.6
<b>16</b>	0.49	1.7	2.4	3.6	4.8	12	26	8.7	6.4	6.5	2.5	1.4
<b>17</b>	0.56	3.7	2.6	3.7	5.0	7.7	15	126	2.2	3.9	1.6	0.61
<b>18</b>	0.55	2.1	2.5	6.5	4.9	6.5	8.7	47	1.8	2.7	1.2	0.71
<b>19</b>	0.70	2.0	3.3	4.3	4.9	6.0	7.0	15	2.1	1.9	1.0	0.80
<b>20</b>	1.3	2.4	2.4	3.3	4.5	6.6	6.2	7.3	1.8	1.6	0.89	0.83
<b>21</b>	1.3	1.9	2.3	4.0	4.4	5.8	5.9	5.9	1.5	1.5	0.81	4.9
<b>22</b>	0.94	2.3	2.4	2.2	4.6	5.6	9.0	4.9	19	1.6	0.80	6.6
<b>23</b>	0.99	2.6	2.2	2.7	4.5	5.1	7.4	3.8	2.7	1.4	0.78	84
<b>24</b>	0.94	4.0	2.0	2.7	4.2	7.9	6.0	3.4	1.7	1.5	0.85	14
<b>25</b>	3.8	2.7	2.2	2.8	5.4	6.0	5.3	3.0	1.4	18	0.71	37
<b>26</b>	2.8	4.4	6.5	6.5	4.9	34	5.1	2.7	1.1	14	0.72	22
<b>27</b>	1.3	3.9	4.2	4.8	5.0	87	4.7	54	0.98	3.1	0.72	4.8
<b>28</b>	3.8	1.8	3.0	3.5	29	36	11	63	2.4	1.3	1.0	77
<b>29</b>	1.4	2.3	2.7	3.3	---	21	5.6	13	37	0.85	0.91	5.8
<b>30</b>	1.7	4.8	2.7	3.0	---	93	4.2	7.1	3.7	1.2	0.81	2.7
<b>31</b>	1.9	---	2.7	2.9	---	51	---	4.9	---	5.9	0.83	---
<b>Total</b>	28.40	78.4	125.2	120.9	408.1	815.6	573.6	516.4	229.68	484.03	165.93	317.45
<b>Mean</b>	0.92	2.61	4.04	3.90	14.6	26.3	19.1	16.7	7.66	15.6	5.35	10.6
<b>Max</b>	3.8	9.0	36	10	115	93	151	126	76	193	64	84
<b>Min</b>	0.14	1.1	1.9	2.2	2.8	5.1	4.2	2.7	0.98	0.85	0.71	0.49
<b>Cfsm</b>	0.03	0.09	0.14	0.13	0.49	0.89	0.64	0.56	0.26	0.53	0.18	0.36
<b>In.</b>	0.04	0.10	0.16	0.15	0.51	1.02	0.72	0.65	0.29	0.61	0.21	0.40

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2011, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	6.14	19.4	24.5	29.2	27.5	34.9	16.1	9.01	11.5	7.94	11.7	19.3
<b>Max</b>	11.4	71.1	85.4	69.6	71.8	77.3	22.1	16.7	33.8	15.6	58.2	76.0
(WY)	(2000)	(2007)	(2010)	(2010)	(2010)	(2009)	(2007)	(2011)	(2009)	(2011)	(2008)	(2000)
<b>Min</b>	0.92	0.97	4.04	3.90	8.90	12.2	9.10	4.28	1.79	3.93	0.98	0.68
(WY)	(2011)	(2008)	(2011)	(2011)	(2001)	(2006)	(2006)	(2008)	(2008)	(2008)	(2007)	(2007)

**021473428 WILDCAT CREEK BELOW ROCK HILL, SC—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1998 - 2011</b>	
<b>Annual total</b>	6,940.98	3,863.69		
<b>Annual mean</b>	19.0	10.6	19.1	
<b>Highest annual mean</b>			29.9	2010
<b>Lowest annual mean</b>			10.6	2011
<b>Highest daily mean</b>	e872	Jan 25	193	Jul 14
<b>Lowest daily mean</b>	0.14	Oct 6	0.14	Oct 6
<b>Annual seven-day minimum</b>	0.18	Oct 2	0.18	Oct 2
<b>Maximum peak flow</b>			795	Jul 14
<b>Maximum peak stage</b>			8.68	Jul 14
<b>Annual runoff (cfsm)</b>	0.640	0.356		0.644
<b>Annual runoff (inches)</b>	8.69	4.84		8.75
<b>10 percent exceeds</b>	38	27		35
<b>50 percent exceeds</b>	4.9	3.6		6.2
<b>90 percent exceeds</b>	0.74	0.81		0.98

<sup>e</sup> Estimated.<sup>a</sup> Also occurred Oct. 14, 2007.