



Water-Data Report 2011

## 0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 35°06'18", long 80°57'13" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank, upstream of culvert on Secondary Road 1441 (Carowinds Boulevard), 4.5 miles west of Pineville.

DRAINAGE AREA.--6.73 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 561.83 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at streamgage.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred August 21, 2007.

**0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC—Continued**

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

<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>	0.66	0.88	33	4.7	0.31	10	6.8	0.76	0.86	0.69	2.1	0.17
<b>2</b>	0.36	0.93	1.2	7.8	28	2.0	4.0	0.73	0.73	0.50	0.36	0.31
<b>3</b>	0.39	1.0	0.59	1.3	1.8	1.3	2.8	3.3	0.74	0.34	0.26	0.37
<b>4</b>	0.65	6.9	0.57	0.67	51	1.1	2.4	30	0.63	0.31	0.26	0.20
<b>5</b>	0.27	1.1	0.73	0.53	43	1.5	19	2.1	2.6	8.1	123	38
<b>6</b>	0.22	0.64	0.49	0.59	5.4	45	3.1	1.4	3.1	84	13	10
<b>7</b>	0.20	0.52	0.51	0.52	2.8	7.7	2.3	1.1	1.0	2.3	2.9	1.0
<b>8</b>	0.20	0.68	0.51	0.53	1.8	2.9	1.9	0.89	0.51	9.7	1.2	0.46
<b>9</b>	0.24	0.70	0.60	0.43	1.3	38	145	0.79	0.39	4.8	0.97	0.30
<b>10</b>	0.26	0.82	0.80	0.86	1.4	36	47	0.69	0.37	0.95	0.42	0.20
<b>11</b>	0.30	0.69	0.80	3.6	0.98	6.8	8.7	57	55	0.65	6.2	1.3
<b>12</b>	0.36	0.69	6.2	2.7	0.88	3.6	4.9	3.1	59	0.46	1.8	0.20
<b>13</b>	0.37	0.72	1.1	2.0	0.78	2.6	3.1	2.0	4.1	0.41	30	0.14
<b>14</b>	0.51	0.81	0.59	1.4	0.85	1.9	2.2	4.0	1.1	0.37	4.0	0.14
<b>15</b>	0.50	1.1	0.51	0.93	0.89	2.2	e1.8	4.1	1.0	0.39	0.88	0.13
<b>16</b>	0.37	2.5	0.96	0.79	0.69	2.9	42	15	1.9	0.44	0.42	0.12
<b>17</b>	0.37	2.0	1.1	0.76	0.69	1.5	6.1	56	0.57	0.43	0.30	0.14
<b>18</b>	0.40	0.70	0.59	1.3	0.83	1.3	3.0	8.0	6.1	0.37	0.26	0.17
<b>19</b>	0.44	0.47	0.56	0.77	0.64	1.1	2.1	2.9	2.3	0.34	0.24	0.42
<b>20</b>	1.00	0.48	0.44	0.60	0.51	0.99	1.7	1.9	0.65	0.29	0.25	0.42
<b>21</b>	0.89	0.53	0.43	0.60	1.1	1.0	1.5	1.4	9.5	0.26	0.25	1.5
<b>22</b>	0.71	0.59	0.45	0.53	0.81	0.95	4.1	1.1	27	0.25	3.0	3.2
<b>23</b>	0.61	0.61	0.44	0.51	0.55	1.0	1.9	0.91	1.2	0.21	0.28	40
<b>24</b>	0.66	0.74	0.43	0.51	0.48	5.3	1.3	0.73	1.7	0.19	0.21	26
<b>25</b>	3.0	0.78	0.69	0.55	0.89	1.1	1.1	0.64	1.6	2.6	0.18	19
<b>26</b>	3.5	1.9	4.0	5.5	0.66	30	1.1	0.64	0.51	0.52	0.17	6.3
<b>27</b>	0.97	1.6	1.2	1.3	0.68	53	1.0	80	0.43	0.26	0.20	11
<b>28</b>	1.6	1.3	0.77	0.64	32	20	9.9	11	31	0.17	0.20	17
<b>29</b>	0.87	1.2	0.75	0.50	---	6.1	1.2	2.9	19	0.14	0.18	1.6
<b>30</b>	0.88	2.0	0.55	0.31	---	83	0.89	1.8	1.2	0.13	0.15	1.2
<b>31</b>	0.81	---	0.51	0.31	---	14	---	1.2	---	17	0.16	---
<b>Total</b>	22.57	35.58	62.07	44.04	181.72	385.84	333.89	298.08	235.79	137.57	193.80	180.99
<b>Mean</b>	0.73	1.19	2.00	1.42	6.49	12.4	11.1	9.62	7.86	4.44	6.25	6.03
<b>Max</b>	3.5	6.9	33	7.8	51	83	145	80	59	84	123	40
<b>Min</b>	0.20	0.47	0.43	0.31	0.31	0.95	0.89	0.64	0.37	0.13	0.15	0.12
<b>Cfsm</b>	0.11	0.18	0.30	0.21	0.96	1.85	1.65	1.43	1.17	0.66	0.93	0.90
<b>In.</b>	0.12	0.20	0.34	0.24	1.00	2.13	1.85	1.65	1.30	0.76	1.07	1.00

**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>	4.09	6.81	8.66	7.89	8.60	13.6	7.56	6.21	6.36	5.57	6.99	5.08
<b>Max</b>	15.4	34.8	29.7	22.2	24.4	34.6	36.5	42.1	16.3	28.6	24.9	15.3
<b>(WY)</b>	(2000)	(2007)	(2010)	(2010)	(2010)	(2003)	(2003)	(2003)	(2003)	(1998)	(2008)	(2006)
<b>Min</b>	0.73	0.95	1.61	1.42	3.15	2.17	2.26	0.93	0.76	1.07	0.28	0.49
<b>(WY)</b>	(2011)	(2008)	(2002)	(2011)	(2006)	(2006)	(2001)	(2000)	(2002)	(2007)	(2001)	(2005)

**0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1998 - 2011</b>	
<b>Annual total</b>	2,641.18	2,111.94		
<b>Annual mean</b>	7.24	5.79	7.21	
<b>Highest annual mean</b>			17.6	2003
<b>Lowest annual mean</b>			3.40	2002
<b>Highest daily mean</b>	343 Feb 5	145 Apr 9	519 Mar 20, 2003	
<b>Lowest daily mean</b>	0.07 Sep 1	0.12 Sep 16	0.05 Aug 20, 2001	
<b>Annual seven-day minimum</b>	0.10 Aug 31	0.15 Sep 12	0.06 Sep 7, 2007	
<b>Maximum peak flow</b>		900 Aug 5	2,450 Jul 27, 1998	
<b>Maximum peak stage</b>		7.92 Aug 5	11.44 Jul 27, 1998	
<b>Instantaneous low flow</b>		0.10 Jul 30	<sup>a</sup> 0.02 Aug 13, 2007	
<b>Annual runoff (cfsm)</b>	1.08	0.860	1.07	
<b>Annual runoff (inches)</b>	14.60	11.67	14.55	
<b>10 percent exceeds</b>	12	13	12	
<b>50 percent exceeds</b>	1.3	0.91	1.4	
<b>90 percent exceeds</b>	0.23	0.26	0.34	

<sup>a</sup> See Remarks.

