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Water-Data Report 2008

**0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC**

Santee Basin  
Upper Catawba Subbasin

LOCATION.--Lat 35°14'25", long 80°58'28" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, on left bank on downstream side of culvert at U.S. Highway 74, 0.7 mi downstream of Interstate Highway 85, and 2.5 mi northwest of airport in Charlotte.

DRAINAGE AREA.--10.8 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 567.97 ft above North American Vertical Datum of 1988, from U.S. Geological Survey benchmark. Prior to October 1, 1999 at same site at datum 569.97 ft. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred September 24, 2002. Minimum discharge for current water year also occurred October 18.

## Water-Data Report 2008

**0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**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>	0.21	0.50	0.72	3.4	75	1.4	6.8	2.9	1.6	0.79	6.6	10
<b>2</b>	0.23	0.48	0.75	1.8	9.3	1.8	4.3	2.3	1.5	0.70	2.0	5.8
<b>3</b>	0.20	0.64	0.84	1.3	4.3	1.4	6.8	2.2	1.4	0.63	1.0	5.3
<b>4</b>	0.38	0.68	1.0	1.1	2.6	58	15	2.0	1.5	77	0.74	4.9
<b>5</b>	0.27	0.58	0.95	0.96	1.9	41	59	1.7	1.2	22	0.62	4.9
<b>6</b>	0.28	0.54	0.89	0.79	1.9	12	16	1.7	0.95	5.8	0.57	4.7
<b>7</b>	0.26	0.50	0.92	0.66	1.4	43	9.5	1.6	0.88	5.2	0.55	4.4
<b>8</b>	0.28	0.55	0.83	0.73	1.2	19	5.5	1.4	0.82	53	0.50	4.4
<b>9</b>	0.25	0.60	0.81	1.3	1.0	11	4.5	2.7	0.79	16	0.44	4.4
<b>10</b>	0.50	0.67	0.82	3.1	0.97	8.5	4.0	1.6	0.88	8.8	0.41	26
<b>11</b>	0.29	0.71	0.89	5.8	0.81	6.1	3.4	3.9	1.6	5.0	0.38	28
<b>12</b>	0.27	0.59	0.95	2.1	0.83	5.4	6.6	2.7	2.1	2.1	0.37	8.8
<b>13</b>	0.26	0.59	1.0	1.2	4.0	4.4	4.2	1.3	0.94	1.5	1.3	7.3
<b>14</b>	0.25	0.57	1.0	1.2	5.8	4.1	3.4	1.5	0.81	1.2	1.4	6.5
<b>15</b>	0.40	2.6	4.9	1.2	1.6	141	3.5	1.3	0.86	1.1	0.63	6.0
<b>16</b>	0.30	1.8	32	1.0	1.2	47	2.7	6.0	e0.70	0.94	0.44	26
<b>17</b>	0.24	0.82	2.0	34	1.2	15	2.4	2.2	0.67	0.85	0.49	12
<b>18</b>	0.21	0.56	1.3	7.9	3.6	9.2	2.3	1.9	0.66	0.81	0.55	6.0
<b>19</b>	1.2	0.59	0.95	5.7	1.6	31	2.2	2.5	0.61	0.77	0.71	3.5
<b>20</b>	0.85	0.59	0.83	6.2	0.98	25	2.4	1.4	0.61	0.74	0.75	2.7
<b>21</b>	0.39	0.58	4.0	2.1	1.8	9.2	2.2	1.5	0.60	0.67	0.76	2.4
<b>22</b>	0.30	4.9	1.7	1.6	5.9	7.8	2.1	1.3	13	6.4	0.53	2.4
<b>23</b>	0.30	1.4	5.3	2.3	3.0	6.9	2.1	1.2	43	16	0.29	2.0
<b>24</b>	1.6	0.70	3.0	1.5	2.2	6.4	1.8	1.2	3.2	2.0	0.26	1.7
<b>25</b>	14	0.82	1.2	1.1	1.5	6.6	1.7	1.4	1.7	1.2	0.29	1.8
<b>26</b>	19	1.1	8.8	0.95	18	6.3	4.9	1.1	3.1	1.1	195	33
<b>27</b>	3.9	1.2	2.5	0.88	e4.5	5.9	7.4	1.5	19	0.94	603	42
<b>28</b>	0.90	1.2	9.1	0.82	e2.0	5.5	36	33	1.9	0.85	42	6.3
<b>29</b>	0.68	0.77	23	0.79	1.6	5.9	9.4	7.6	1.2	1.6	15	4.4
<b>30</b>	0.61	0.71	56	0.91	---	5.8	4.3	2.9	0.89	0.85	8.8	3.0
<b>31</b>	0.58	---	19	0.90	---	5.0	---	2.1	---	31	7.6	---
<b>Total</b>	49.39	28.54	187.95	95.29	161.69	556.6	236.4	99.6	108.67	267.54	893.98	280.6
<b>Mean</b>	1.59	0.95	6.06	3.07	5.58	18.0	7.88	3.21	3.62	8.63	28.8	9.35
<b>Max</b>	19	4.9	56	34	75	141	59	33	43	77	603	42
<b>Min</b>	0.20	0.48	0.72	0.66	0.81	1.4	1.7	1.1	0.60	0.63	0.26	1.7
<b>Cfsm</b>	0.15	0.09	0.56	0.28	0.52	1.66	0.73	0.30	0.34	0.80	2.67	0.87
<b>In.</b>	0.17	0.10	0.65	0.33	0.56	1.92	0.81	0.34	0.37	0.92	3.08	0.97

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2008, 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>	6.71	8.48	8.76	11.6	14.0	16.8	13.3	8.71	8.99	8.60	9.06	7.21
<b>Max</b>	23.0	26.6	23.7	28.9	33.4	39.7	44.9	55.8	29.6	35.2	28.8	23.7
(WY) (1996)	(2007)	(2003)	(1998)	(1995)	(2003)	(2003)	(2003)	(2003)	(2003)	(1997)	(2008)	(2006)
<b>Min</b>	0.73	0.59	2.27	2.79	3.27	3.95	3.29	2.90	1.59	1.35	0.33	0.82
(WY) (2002)	(2002)	(2002)	(2001)	(2002)	(2006)	(2001)	(2001)	(2007)	(2001)	(2001)	(2001)	(2007)

**0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1995 - 2008</b>	
<b>Annual total</b>	3,028.59	2,966.25		
<b>Annual mean</b>	8.30	8.10	10.2	
<b>Highest annual mean</b>			25.1	2003
<b>Lowest annual mean</b>			3.93	2001
<b>Highest daily mean</b>	365	Mar 2	603	Aug 27
<b>Lowest daily mean</b>	0.20	Sep 28	0.20	Oct 3
<b>Annual seven-day minimum</b>	0.21	Sep 27	0.26	Oct 1
<b>Maximum peak flow</b>			2,680	Aug 27
<b>Maximum peak stage</b>			11.71	Aug 27
<b>Instantaneous low flow</b>			0.14	Oct 1
<b>Annual runoff (cfsm)</b>	0.768	0.750	0.941	
<b>Annual runoff (inches)</b>	10.43	10.22	12.79	
<b>10 percent exceeds</b>	15	15	18	
<b>50 percent exceeds</b>	2.6	1.6	3.4	
<b>90 percent exceeds</b>	0.50	0.55	0.85	

<sup>a</sup>See Remarks.

