



Water-Data Report 2011

**02136361 TURKEY CREEK NEAR MARYVILLE, SC**

Lower Pee Dee Basin  
Carolina Coastal-Sampit Subbasin

LOCATION.--Lat 33°19'42", long 79°20'18" referenced to North American Datum of 1927, Georgetown County, SC, Hydrologic Unit 03040207, approximately 2,500 ft upstream of Pennyroyal Road on a pedestrian bridge, 4 mi southwest of Georgetown, and at mile 2.75.

DRAINAGE AREA.--4.25 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 5.0 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records poor.

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02136361 TURKEY CREEK NEAR MARYVILLE, SC—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>	44	1.4	0.78	1.1	2.8	1.3	12	1.0	0.30	0.36	0.41	2.1
<b>2</b>	39	1.3	0.77	1.1	2.9	1.1	9.3	0.87	0.35	0.33	0.43	1.6
<b>3</b>	32	1.3	0.77	1.1	2.7	0.98	4.5	0.81	0.40	0.38	0.40	1.4
<b>4</b>	30	1.4	0.88	1.0	4.2	1.0	2.3	0.74	0.44	0.31	0.36	1.3
<b>5</b>	27	1.5	0.86	0.93	11	0.94	2.8	0.64	0.48	0.30	0.31	1.2
<b>6</b>	25	1.4	0.89	1.1	12	0.96	2.0	0.63	0.48	0.31	0.46	1.2
<b>7</b>	21	1.3	0.89	1.1	e14	0.92	2.5	0.65	0.49	0.31	0.45	1.0
<b>8</b>	19	1.3	0.86	1.0	e20	0.93	7.8	0.61	0.44	0.43	0.37	0.95
<b>9</b>	15	1.3	0.84	0.98	e14	0.97	6.9	0.57	0.47	0.44	0.37	0.84
<b>10</b>	12	1.2	0.83	1.1	14	1.3	7.4	0.53	0.48	0.30	0.26	0.81
<b>11</b>	10	1.2	1.1	1.2	10	1.1	7.0	1.2	0.49	0.24	0.26	0.74
<b>12</b>	8.5	1.1	1.0	1.3	7.2	1.0	9.0	1.1	0.48	0.22	0.29	0.68
<b>13</b>	6.9	1.1	0.98	1.2	5.7	0.94	7.5	0.91	0.54	0.20	0.52	0.74
<b>14</b>	5.8	1.1	0.96	1.2	4.2	0.91	6.0	0.84	0.51	0.23	0.40	0.73
<b>15</b>	5.2	0.97	0.91	1.2	3.2	0.94	4.6	0.68	0.39	0.24	0.39	0.70
<b>16</b>	4.3	0.94	0.88	1.1	2.8	0.91	3.7	0.59	0.38	0.23	0.39	0.68
<b>17</b>	3.6	0.88	0.85	1.1	2.4	0.91	2.9	0.53	0.39	0.24	0.41	0.68
<b>18</b>	3.2	0.90	1.1	1.1	2.1	0.83	2.2	0.48	0.39	0.26	0.40	0.67
<b>19</b>	2.8	0.92	1.2	1.3	2.0	0.81	1.7	0.44	0.45	0.24	0.39	0.67
<b>20</b>	2.5	0.89	1.00	1.4	1.8	0.69	1.5	0.42	0.46	0.21	0.36	0.68
<b>21</b>	2.1	0.91	0.92	1.3	1.5	7.4	1.3	0.42	0.48	0.21	0.35	0.71
<b>22</b>	1.9	0.92	0.91	1.2	1.5	13	1.3	0.46	0.45	0.21	0.35	1.1
<b>23</b>	1.7	0.97	0.88	1.1	1.3	9.7	1.5	0.47	0.50	0.21	0.62	1.3
<b>24</b>	1.6	0.92	0.86	1.0	1.3	7.2	0.90	0.45	0.33	0.44	0.70	1.8
<b>25</b>	2.4	0.97	0.83	1.1	1.3	5.0	0.75	0.41	0.28	0.51	0.58	6.1
<b>26</b>	3.0	0.97	1.6	1.8	1.4	2.8	1.3	0.34	0.29	2.0	0.95	5.0
<b>27</b>	2.3	0.95	1.6	1.6	1.3	3.1	2.8	0.32	0.30	0.79	2.0	3.8
<b>28</b>	2.2	0.94	1.4	1.5	1.2	5.7	2.2	0.30	0.31	0.50	2.2	3.1
<b>29</b>	1.9	0.96	1.3	2.3	---	8.3	1.7	0.27	0.30	0.40	2.3	2.8
<b>30</b>	1.6	0.96	1.2	3.0	---	8.3	1.4	0.28	0.33	0.41	3.0	2.4
<b>31</b>	1.5	---	1.1	2.8	---	12	---	0.29	---	0.39	2.5	---
<b>Total</b>	339.0	32.87	30.95	41.31	149.8	101.94	118.75	18.25	12.38	11.85	23.18	47.48
<b>Mean</b>	10.9	1.10	1.00	1.33	5.35	3.29	3.96	0.59	0.41	0.38	0.75	1.58
<b>Max</b>	44	1.5	1.6	3.0	20	13	12	1.2	0.54	2.0	3.0	6.1
<b>Min</b>	1.5	0.88	0.77	0.93	1.2	0.69	0.75	0.27	0.28	0.20	0.26	0.67
<b>Cfsm</b>	2.57	0.26	0.23	0.31	1.26	0.77	0.93	0.14	0.10	0.09	0.18	0.37
<b>In.</b>	2.97	0.29	0.27	0.36	1.31	0.89	1.04	0.16	0.11	0.10	0.20	0.42

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 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>	8.41	3.31	5.04	4.89	6.11	5.86	3.13	1.88	3.08	3.38	14.2	12.1
<b>Max</b>	35.2	12.3	19.6	30.8	37.3	20.9	8.11	11.2	15.9	13.9	187	86.6
<b>(WY)</b>	(2006)	(2009)	(2010)	(1998)	(1998)	(2003)	(2003)	(2003)	(1997)	(2003)	(1995)	(1995)
<b>Min</b>	0.44	0.33	0.36	0.28	0.45	0.46	0.50	0.14	0.23	0.36	0.52	0.36
<b>(WY)</b>	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)	(1994)	(1998)	(1998)	(1998)	(2001)

**SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1994 - 2011</b>	
<b>Annual total</b>	1,969.24	927.76		
<b>Annual mean</b>	5.40	2.54	5.95	
<b>Highest annual mean</b>			27.8	1995
<b>Lowest annual mean</b>			1.86	2007
<b>Highest daily mean</b>	63 Sep 30	44 Oct 1	e1,350	Aug 27, 1995
<b>Lowest daily mean</b>	0.56 Jun 10	0.20 Jul 13	0.03	Aug 29, 1997
<b>Annual seven-day minimum</b>	0.60 Jun 9	0.23 Jul 17	0.06	May 23, 1994
<b>Maximum peak flow</b>		48 Oct 1	a1,500	Aug 27, 1995
<b>Maximum peak stage</b>		2.18 Oct 1	b4.56	Aug 27, 1995
<b>Annual runoff (cfsm)</b>	1.27	0.598	1.40	
<b>Annual runoff (inches)</b>	17.24	8.12	19.03	
<b>10 percent exceeds</b>	15	6.4	12	
<b>50 percent exceeds</b>	1.7	1.0	1.4	
<b>90 percent exceeds</b>	0.79	0.34	0.40	

e Estimated.

a From rating curve extended above 59.5 cfs on basis of slope-area computation of peak discharge.

b From floodmarks.

