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Water-Data Report 2011

**021457492 ALLISON CREEK AT RD 114 NEAR YORK, SC**

Santee Basin  
Upper Catawba Subbasin

LOCATION.--Lat 35°03'54", long 81°08'18" referenced to North American Datum of 1983, York County, SC, Hydrologic Unit 03050101, on County Rd 114 on upstream side of bridge, 6 mi North west of York and 5 mi South east of Clover.

DRAINAGE AREA.--40.3 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 2008 to current year.

GAGE.--Data collection platform. Elevation of gage is 575 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good except for estimated daily discharges, which are poor.

## Water-Data Report 2011

**021457492 ALLISON CREEK AT RD 114 NEAR YORK,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>	1.3	2.3	18	4.6	4.6	22	32	11	7.9	6.2	2.9	e0.10
<b>2</b>	1.2	2.3	7.8	5.4	11	12	25	11	7.4	4.2	0.53	e0.10
<b>3</b>	1.2	2.5	5.8	5.8	7.5	11	21	11	7.0	3.3	0.32	e0.14
<b>4</b>	1.2	3.3	5.4	5.3	13	9.8	19	24	6.7	4.5	0.26	e0.14
<b>5</b>	1.3	3.7	5.3	5.1	79	9.8	24	14	6.4	13	0.28	e1.4
<b>6</b>	1.2	3.0	5.1	5.2	28	25	20	13	9.0	5.0	0.48	13
<b>7</b>	1.2	2.7	5.1	5.4	17	27	18	12	6.7	3.8	0.43	2.3
<b>8</b>	1.2	2.8	5.9	5.0	14	16	17	11	6.0	6.9	0.35	0.73
<b>9</b>	1.2	3.0	5.7	5.1	12	16	20	11	5.6	7.4	1.1	0.51
<b>10</b>	1.3	3.0	5.0	4.9	11	34	77	10	5.3	3.9	0.34	0.33
<b>11</b>	1.2	2.9	5.0	5.8	10	19	31	38	5.1	2.8	e0.18	0.24
<b>12</b>	1.2	3.0	5.8	6.0	9.8	15	24	16	5.1	2.4	e0.12	0.22
<b>13</b>	1.2	3.1	5.9	6.9	9.3	14	21	13	5.5	2.2	e7.7	e0.16
<b>14</b>	1.2	3.1	6.1	8.3	9.0	13	18	15	4.8	2.4	20	e0.14
<b>15</b>	1.3	3.1	6.9	6.7	8.7	12	17	25	4.9	1.9	3.1	e0.12
<b>16</b>	1.2	3.3	6.4	6.4	8.4	12	28	21	7.3	2.4	1.2	e0.12
<b>17</b>	1.2	3.4	5.5	5.4	8.3	12	23	133	5.5	2.0	0.76	e0.10
<b>18</b>	1.3	3.5	5.1	5.6	8.3	11	18	63	5.2	1.5	0.55	e0.10
<b>19</b>	1.4	4.0	5.3	5.4	8.1	11	17	30	6.7	1.3	0.51	e0.12
<b>20</b>	1.4	3.7	5.1	5.4	8.0	11	16	22	4.9	1.2	0.46	e0.14
<b>21</b>	1.5	3.6	5.0	5.1	8.0	10	15	18	4.1	1.1	2.7	0.37
<b>22</b>	1.5	3.6	5.4	4.9	8.1	11	15	14	10	1.0	0.89	1.7
<b>23</b>	1.5	3.7	5.4	5.3	7.7	11	15	12	5.4	0.84	0.40	21
<b>24</b>	1.5	3.7	5.0	4.7	9.2	10	14	11	4.5	0.68	e0.26	11
<b>25</b>	1.6	3.7	4.9	4.7	8.8	10	13	9.2	3.7	0.70	e0.20	8.2
<b>26</b>	2.1	4.1	5.7	5.6	8.0	15	13	8.1	3.3	0.73	e0.16	16
<b>27</b>	2.1	4.7	5.5	5.7	7.9	59	13	24	3.7	0.60	e0.14	6.7
<b>28</b>	4.0	4.0	6.1	5.1	9.1	30	16	27	9.5	0.48	e0.10	4.1
<b>29</b>	2.7	3.8	5.7	4.9	---	24	13	12	43	0.37	e0.14	2.7
<b>30</b>	2.2	3.5	5.0	4.8	---	80	12	9.8	11	0.23	e0.12	1.8
<b>31</b>	2.2	---	4.9	4.8	---	52	---	8.6	---	1.7	e0.10	---
<b>Total</b>	47.8	100.1	184.8	169.3	351.8	624.6	625	657.7	221.2	86.73	46.78	93.78
<b>Mean</b>	1.54	3.34	5.96	5.46	12.6	20.1	20.8	21.2	7.37	2.80	1.51	3.13
<b>Max</b>	4.0	4.7	18	8.3	79	80	77	133	43	13	20	21
<b>Min</b>	1.2	2.3	4.9	4.6	4.6	9.8	12	8.1	3.3	0.23	0.10	0.10
<b>Cfsm</b>	0.04	0.08	0.15	0.14	0.31	0.50	0.52	0.53	0.18	0.07	0.04	0.08
<b>In.</b>	0.04	0.09	0.17	0.16	0.32	0.58	0.58	0.61	0.20	0.08	0.04	0.09

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 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>	4.68	14.7	42.6	40.6	41.1	49.3	24.0	17.4	21.4	5.34	14.3	4.47
<b>Max</b>	7.15	32.3	96.0	85.0	94.3	65.1	25.7	24.1	57.6	7.85	46.4	9.90
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2009)	(2009)	(2010)	(2008)	(2008)
<b>Min</b>	1.54	3.34	5.96	5.46	12.6	20.1	20.8	6.31	3.23	2.80	1.51	0.86
(WY)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2008)	(2008)	(2011)	(2011)	(2010)

**SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 2008 - 2011</b>	
<b>Annual total</b>	9,761.19	3,209.59		
<b>Annual mean</b>	26.7	8.79	23.1	
<b>Highest annual mean</b>			37.2	2010
<b>Lowest annual mean</b>			8.79	2011
<b>Highest daily mean</b>	1,070	Jan 25	1,070	Jan 25, 2010
<b>Lowest daily mean</b>	e0.29	Sep 22	e0.10	Aug 28, 2011 <sup>a</sup>
<b>Annual seven-day minimum</b>	0.32	Sep 19	0.11	Aug 27, 2011
<b>Maximum peak flow</b>			189	May 17, 2008
<b>Maximum peak stage</b>			5.65	May 17
<b>Annual runoff (cfsm)</b>	0.664		0.218	0.572
<b>Annual runoff (inches)</b>	9.01		2.96	7.78
<b>10 percent exceeds</b>	48		19	41
<b>50 percent exceeds</b>	10		5.3	11
<b>90 percent exceeds</b>	1.2		0.47	1.5

<sup>e</sup> Estimated.<sup>a</sup> Also occurred Aug. 31, Sep. 1, 2, 17, 18, 2011.