Water-Data Report 2012

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC

Santee Basin
Upper Catawba Subbasin

LOCATION.--Lat 35°26′03″, long 81°01′48″ referenced to North American Datum of 1983, Lincoln County, NC, Hydrologic Unit 03050101, on right bank 1,000 ft. upstream from Forney Creek, 1.7 mi upstream from bridge on Secondary Road 1511, 1.5 mi northwest of Lowesville, NC and 2.4 mi northeast of Mariposa NC.

DRAINAGE AREA.--36.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1990 to June 1993, December 1994 to current year.
PRECIPITATION: June 2004 to current year, station number 352602081014745.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 642.20 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records fair. Minimum discharges may be affected by diversions by Duke Power. No flow also occurred August 14, September 10-13, 2002 and part of October 17, 2007. Minimum discharge for current water year also occurred September 14.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 0214269560, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/0214269560.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	9.5	27	27	19	22	23	15	13	7.1	6.2	5.2
2	11	9.4	23	25	19	20	23	14	13	13	5.9	5.3
3	9.7	9.4	21	23	18	42	22	13	12	8.9	5.3	7.2
4	9.3	52	20	22	19	29	21	13	11	7.7	6.0	13
5	9.0	22	19	22	34	23	21	13	11	9.4	29	17
6	8.7	16	19	21	25	22	38	12	144	9.7	8.8	7.9
7	8.3	15	28	21	23	21	26	12	39	7.1	8.3	6.9
8	8.3	14	37	20	22	22	22	18	24	6.4	7.9	5.5
9	8.6	13	23	21	22	25	20	49	19	6.1	7.4	5.7
10	7.9	13	22	21	21	21	19	27	16	7.2	16	5.3
11	9.0	12	20	28	21	20	18	18	17	10	17	5.4
12	24	11	18	29	20	20	17	15	25	9.0	13	5.2
13	13	10	18	22	20	21	17	16	17	9.3	7.6	4.9
14	11	11	17	21	21	20	17	169	15	21	8.2	4.8
15	9.1	11	17	20	20	19	16	155	13	10	7.8	4.8
16	8.4	109	18	19	21	18	16	71	12	22	7.4	5.1
17	8.0	416	21	21	22	21	15	41	11	29	7.8	42
18	8.2	71	17	26	20	18	79	31	11	11	9.7	18
19	18	38	16	21	22	18	31	27	11	10	22	12
20	13	30	15	21	25	18	22	24	10	13	11	10
21	10	26	56	34	21	22	20	22	9.7	9.4	8.5	9.4
22	9.2	25	53	33	21	20	21	23	9.4	7.7	7.5	9.5
23	9.2	25	41	28	26	22	20	41	13	7.5	7.0	8.5
24	9.5	20	29	28	27	53	17	23	9.7	7.2	6.9	7.5
25	8.9	18	25	25	28	126	17	19	15	10	6.6	7.7
26	8.8	17	23	25	22	45	18	16	10	18	6.0	7.7
27	8.9	17	220	25	21	32	18	15	8.4	8.9	5.9	7.8
28	9.3	28	85	22	21	33	16	15	8.0	7.6	5.6	7.4
29	14	167	40	21	21	28	15	17	7.7	6.5	5.5	8.3
30	11	39	32	20	---	23	15	21	7.3	6.0	5.4	10
31	9.6	---	29	20	---	26	---	14	---	5.7	5.4	---
Total	322.9	1,274.3	1,049	732	642	870	660	979	542.2	321.4	282.6	275.0
Mean	10.4	42.5	33.8	23.6	22.1	28.1	22.0	31.6	18.1	10.4	9.12	9.17
Max	24	416	220	34	34	126	79	169	144	29	29	42
Min	7.9	9.4	15	19	18	18	15	12	7.3	5.7	5.3	4.8
Med	9.2	18	23	22	21	22	20	18	12	9.0	7.5	7.6
Cfsm	0.29	1.17	0.93	0.65	0.61	0.77	0.60	0.87	0.50	0.28	0.25	0.25
In.	0.33	1.30	1.07	0.75	0.66	0.89	0.67	1.00	0.55	0.33	0.29	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2012[a], BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	10.8	17.5	27.4	29.8	30.9	34.6	27.2	26.2	17.4	11.7	10.6	10.7
Max	21.0	49.5	111	86.8	105	64.8	38.7	81.0	50.4	20.9	34.2	29.3
(WY)	(2004)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2009)	(2009)	(1991)	(2008)	(2011)
Min	2.19	4.90	6.81	9.99	13.5	22.7	15.7	9.62	2.69	1.01	0.82	0.49
(WY)	(2008)	(2002)	(2002)	(2008)	(2009)	(2006)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)

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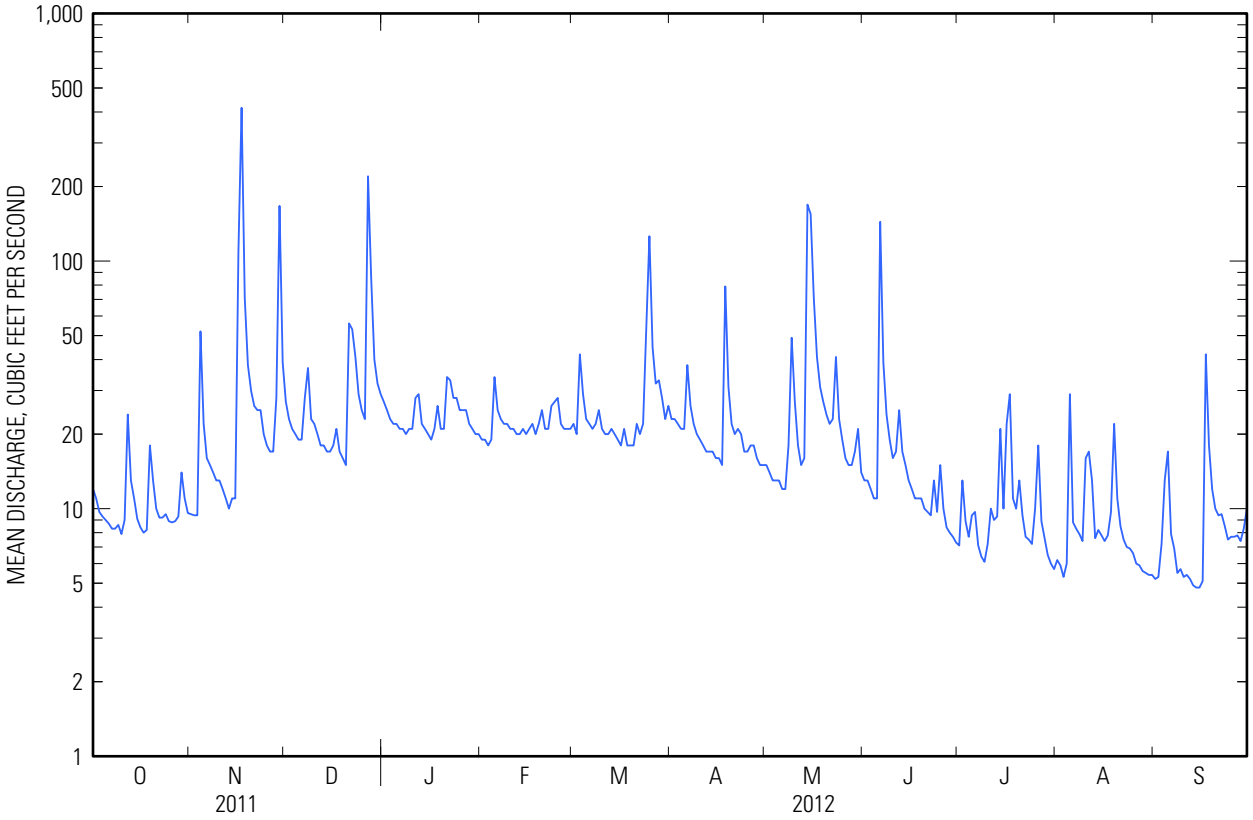
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1991 - 2012[a]	
Annual total	7,773.4		7,950.4			
Annual mean	21.3		21.7		25.6	
Highest annual mean					45.7	2010
Lowest annual mean					13.1	2008
Highest daily mean	416	Nov 17	416	Nov 17	1,160	Dec 25, 2009
Lowest daily mean	1.5	Sep 1	4.8	Sep 14	[b]0.00	Aug 13, 2002
Annual seven-day minimum	1.9	Aug 27	5.1	Sep 10	0.03	Sep 7, 2002
Maximum peak flow			1,150	Nov 17	4,700	Apr 29, 1997
Maximum peak stage			9.58	Nov 17	15.25	Apr 29, 1997
Instantaneous low flow			[b]4.4	Sep 9	[b]0.00	Aug 13, 2002
Annual runoff (cfsm)	0.585		0.597		0.702	
Annual runoff (inches)	7.94		8.13		9.54	
10 percent exceeds	34		31		40	
50 percent exceeds	14		18		14	
90 percent exceeds	4.4		7.4		5.4	

[a] See Period of Record.
[b] See Remarks.