



Water-Data Report 2013

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°41'37", long 78°41'32" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, 0.1 mi downstream of Secondary Road 1375, 0.1 mi downstream of Lake Wheeler, and 2.0 mi north of McCullars Crossroads.

DRAINAGE AREA.--35.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 251.46 ft above NGVD of 1929. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow affected by regulation from Lake Wheeler. Maximum gage height for period of record from floodmarks. No flow occurred part of each day, June 27, 28, 29, 1993 and many days in July and August, 2008. Minimum discharge for the current year also occurred on December 14, 15.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	59	53	2.9	0.19	40	51	24	71	3.2	184	6.8	18
2	34	53	2.9	0.34	22	32	20	31	2.8	214	7.1	49
3	24	52	2.9	0.25	15	24	12	18	2.7	176	8.3	40
4	17	51	2.9	0.19	9.2	18	13	13	2.7	77	42	26
5	9.0	50	2.9	0.19	8.0	14	102	9.7	2.8	39	32	14
6	7.2	49	2.9	0.21	6.1	27	69	65	3.1	25	20	6.7
7	6.0	48	2.9	0.23	6.0	24	38	214	379	23	12	5.6
8	10	20	2.9	0.23	71	18	26	92	713	16	8.0	4.9
9	34	3.5	2.9	0.61	69	12	19	71	140	16	7.0	4.7
10	26	3.3	2.9	1.1	36	10	16	44	87	19	5.2	4.4
11	14	3.2	2.9	1.3	28	8.7	12	28	128	22	8.2	4.8
12	9.9	3.2	2.0	1.1	22	18	24	19	57	34	8.3	6.3
13	6.9	3.3	0.12	1.2	20	28	59	11	33	36	8.9	10
14	6.0	3.4	0.08	1.1	19	20	34	7.3	23	53	5.8	7.8
15	36	3.4	0.09	1.1	16	14	21	6.4	15	34	4.0	6.6
16	61	3.5	0.10	0.97	18	12	16	5.3	10	23	3.4	11
17	61	3.5	0.16	1.2	33	7.2	12	4.2	5.6	17	3.1	10
18	60	3.5	0.12	0.90	24	7.1	21	4.0	8.8	12	3.6	6.3
19	61	3.5	0.12	0.79	20	15	29	8.4	89	9.6	3.2	5.0
20	60	3.2	0.17	0.79	19	14	32	66	50	6.8	3.2	4.8
21	60	3.2	0.25	0.79	14	12	30	119	25	4.9	3.6	4.8
22	59	3.2	0.15	0.79	18	8.2	28	60	14	12	11	73
23	58	3.4	0.15	0.79	123	6.2	27	42	10	14	11	57
24	57	3.5	0.18	0.88	180	11	27	41	8.5	14	6.4	30
25	57	3.5	0.20	0.97	87	48	27	20	7.2	41	4.5	18
26	57	3.3	0.66	0.97	e124	34	27	10	6.6	23	3.4	10
27	56	3.2	0.13	1.1	e247	23	27	6.7	16	14	3.1	6.9
28	56	3.0	0.12	1.6	103	15	27	5.2	17	14	9.4	5.7
29	56	2.9	0.17	1.7	---	10	100	4.7	231	9.8	18	5.2
30	55	2.9	0.15	5.5	---	7.9	133	3.9	110	6.3	18	5.0
31	54	---	0.16	43	---	13	---	3.5	---	4.7	18	---
Total	1,227.0	448.6	37.18	72.08	1,397.3	562.3	1,052	1,104.3	2,201.0	1,194.1	306.5	461.5
Mean	39.6	15.0	1.20	2.33	49.9	18.1	35.1	35.6	73.4	38.5	9.89	15.4
Max	61	53	2.9	43	247	51	133	214	713	214	42	73
Min	6.0	2.9	0.08	0.19	6.0	6.2	12	3.5	2.7	4.7	3.1	4.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	22.5	28.5	29.8	48.3	48.4	61.6	38.7	23.1	29.3	20.7	23.7	37.7
Max	106	143	81.7	183	159	183	110	75.7	91.5	130	112	323
(WY)	(1996)	(2007)	(2010)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(2001)	(2003)	(1999)
Min	0.61	0.81	1.20	2.33	1.88	12.7	10.7	3.89	0.06	1.16	0.02	0.03
(WY)	(2010)	(2008)	(2013)	(2013)	(2011)	(2006)	(1995)	(2007)	(2002)	(1988)	(2007)	(2007)

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2012	Water Year 2013	Water Years 1988 - 2013	
Annual total	7,828.38	10,063.86		
Annual mean	21.4	27.6	34.4	
Highest annual mean			70.8	2003
Lowest annual mean			17.8	2011
Highest daily mean	214 May 6	713 Jun 8	2,700	Sep 6, 1996
Lowest daily mean	0.08 Dec 14	0.08 Dec 14	0.00	Jul 28, 2008
Annual seven-day minimum	0.11 Dec 13	0.11 Dec 13	0.00	Jul 28, 2008
Maximum peak flow		1,330 Jun 8	6,790	Sep 6, 1996
Maximum peak stage		10.64 Jun 8	^a 14.15	Sep 6, 1996
Instantaneous low flow		^a 0.08 Dec 13	^a 0.00	Jun 27, 1993
10 percent exceeds	50	60	69	
50 percent exceeds	18	12	14	
90 percent exceeds	3.2	0.97	0.52	

^a See Remarks.

