



Water-Data Report 2010

0208773375 SWIFT CREEK AT SECONDARY ROAD 1555 NEAR CLAYTON, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°34'30", long 78°29'55" referenced to North American Datum of 1983, Johnston County, NC, Hydrologic Unit 03020201, on left bank at Secondary Road 1555 and 3.1 mi east of Willow Springs.

DRAINAGE AREA.--113.7 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 155.69 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

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

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	11	33	167	142	65	191	15	156	11	16	27
2	9.7	18	65	143	158	60	135	14	311	10	26	23
3	8.2	20	511	108	264	137	103	13	224	9.7	16	21
4	7.1	25	617	82	354	170	89	14	200	9.1	13	20
5	6.9	23	814	68	431	138	85	14	133	8.7	80	18
6	7.0	23	331	61	1,170	105	74	12	84	8.3	68	16
7	7.1	19	198	56	1,550	85	61	11	73	8.0	114	15
8	9.0	12	141	55	917	72	54	9.9	72	7.8	130	14
9	8.2	10	580	55	313	64	202	8.5	51	7.8	67	14
10	6.6	9.7	856	47	290	59	223	7.6	36	7.7	37	13
11	5.7	233	637	43	266	63	117	7.5	29	7.3	21	12
12	6.4	682	225	42	193	95	78	7.7	23	7.2	14	13
13	7.0	942	162	42	172	261	57	7.7	29	7.3	11	13
14	7.9	698	164	40	167	342	43	7.7	33	7.7	9.8	12
15	8.7	201	146	40	147	232	36	7.3	28	7.3	9.1	12
16	8.6	117	121	40	132	156	32	7.6	24	6.9	8.6	11
17	9.1	78	96	221	114	109	30	10	47	20	8.2	10
18	8.6	57	82	528	99	90	27	327	26	57	8.6	9.7
19	7.7	71	167	486	87	77	22	270	19	19	9.3	9.5
20	6.9	88	303	238	79	69	20	315	17	14	10	9.3
21	6.0	73	230	178	71	60	20	161	15	23	69	8.9
22	5.1	56	155	519	79	78	28	78	14	14	110	8.7
23	e5.0	76	114	570	122	80	26	144	13	11	132	8.4
24	e4.9	116	93	306	115	63	22	400	13	9.6	928	8.1
25	e4.9	108	110	453	112	51	28	360	13	10	1,630	8.0
26	e5.0	84	288	711	102	47	41	203	12	9.0	769	9.8
27	5.7	64	257	580	89	48	36	103	11	8.3	282	139
28	e6.4	46	178	229	75	39	27	66	10	10	126	238
29	8.4	32	130	165	---	796	20	715	9.8	9.7	75	134
30	10	27	96	155	---	708	16	466	9.8	19	49	803
31	9.0	---	119	163	---	374	---	187	---	20	35	---
Mean	7.38	134	259	213	279	155	64.8	128	57.9	12.4	157	55.3
Max	12	942	856	711	1,550	796	223	715	311	57	1,630	803
Min	4.9	9.7	33	40	71	39	16	7.3	9.8	6.9	8.2	8.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2009 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	25.6	96.2	210	165	168	223	77.0	96.5	123	20.8	92.2	43.9
Max	43.7	134	259	213	279	290	89.2	128	187	29.2	157	55.3
(WY)	(2009)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2010)	(2009)	(2009)	(2010)	(2010)
Min	7.38	58.5	162	118	57.9	155	64.8	65.0	57.9	12.4	26.8	32.5
(WY)	(2010)	(2009)	(2009)	(2009)	(2009)	(2010)	(2010)	(2009)	(2010)	(2010)	(2009)	(2009)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2009 - 2010	
Annual mean	108		126		112	
Highest annual mean					126	2010
Lowest annual mean					97.1	2009
Highest daily mean	1,560	Jun 17	1,630	Aug 25	1,630	Aug 25, 2010
Lowest daily mean	4.9	Oct 24	4.9	Oct 24	4.9	Oct 24, 2009
Annual seven-day minimum	5.2	Oct 21	5.2	Oct 21	5.2	Oct 21, 2009
Maximum peak flow			2,050	Aug 24	2,050	Aug 24, 2010
Maximum peak stage			13.99	Aug 24	13.99	Aug 24, 2010
Instantaneous low flow			Not Determined		Not Determined	
10 percent exceeds	246		314		252	
50 percent exceeds	50		49		50	
90 percent exceeds	8.7		8.0		9.1	

