

Water-Data Report 2007

02087580 SWIFT CREEK NEAR APEX, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°43'08", long 78°45'08" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, on right bank at downstream side of bridge on Secondary Road 1152, 2.8 mi downstream from Williams Creek, and 6 mi east of Apex.

DRAINAGE AREA.--21 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1953-69. March 2002 to current year.

REVISED RECORDS.--WDR NC-03-1A: 2002

GAGE.--Water-stage recorder. Datum of gage is 306.22 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for daily discharges below 5 ft³/s, which are poor. Minimum discharge for the current water year occurred several days in September.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,260 ft³/s, June 14, 2006, from rating curve extended above 3,000 ft³/s by logarithmic plotting; maximum gage height, 13.86 ft, from crest-stage gage reading.

02087580 SWIFT CREEK NEAR APEX, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.1	2.1	26	38	30	8.4	6.0	2.8	0.82	0.35	1.2	0.07
2	1.6	2.2	21	30	42	99	6.0	2.4	0.75	0.24	0.85	0.02
3	0.54	2.4	9.6	15	17	25	5.5	2.4	32	0.22	0.71	0.00
4	0.33	1.8	17	12	11	13	14	2.7	13	0.21	0.64	0.00
5	0.27	1.4	10	12	9.3	8.5	7.9	2.7	4.4	0.23	0.57	0.00
6	25	1.4	6.9	202	7.6	7.8	3.8	3.7	2.8	0.33	0.54	0.00
7	28	291	6.7	50	7.8	6.5	8.7	3.1	1.7	0.37	0.56	0.00
8	124	265	6.8	109	7.3	6.5	4.6	2.2	1.1	0.32	0.54	0.02
9	48	23	3.5	39	7.0	5.9	3.6	2.7	1.2	0.41	0.59	0.21
10	24	9.6	3.6	17	6.9	6.0	3.4	3.3	1.3	0.56	0.63	0.28
11	11	6.1	3.9	12	5.8	6.6	6.4	2.2	0.93	0.78	0.43	0.55
12	38	223	3.8	11	5.7	5.4	103	14	0.67	2.7	0.48	0.59
13	21	49	3.9	10	9.1	5.1	20	13	31	1.6	0.51	0.31
14	5.8	17	4.0	9.6	97	4.8	8.6	5.2	26	1.1	0.46	32
15	1.9	9.8	5.6	8.9	23	5.5	365	2.7	4.9	1.2	0.38	31
16	0.97	584	4.4	9.6	12	449	351	2.0	2.1	1.3	0.32	2.2
17	17	82	3.5	7.7	9.0	145	34	2.2	1.5	1.8	0.29	0.73
18	79	19	3.5	13	9.5	30	16	1.9	0.98	162	0.28	0.56
19	13	9.4	3.8	23	7.1	17	12	1.6	0.88	15	0.25	0.97
20	13	7.5	4.5	12	6.3	13	9.5	1.3	8.9	4.8	0.23	1.3
21	5.2	64	3.6	15	7.1	11	7.2	1.2	2.4	2.6	0.22	1.4
22	3.2	1,180	70	141	7.9	9.4	6.0	1.1	0.84	1.7	0.23	1.8
23	3.3	98	141	33	7.6	8.9	5.4	1.1	0.47	1.5	0.28	2.7
24	3.8	28	23	17	4.9	8.1	4.3	0.97	0.37	1.4	0.30	1.2
25	6.0	15	521	14	39	7.4	4.2	0.96	0.31	1.3	0.28	0.32
26	1.0	10	147	10	51	6.9	3.6	1.3	0.27	1.2	0.27	0.50
27	5.0	8.8	37	9.1	16	6.6	19	1.2	0.49	1.0	0.27	0.33
28	66	7.8	21	9.3	10	6.9	14	1.0	0.41	1.00	0.23	0.95
29	12	7.5	15	9.1	---	14	6.2	0.93	0.34	0.99	0.19	0.94
30	4.3	6.9	12	6.3	---	10	3.7	0.88	0.76	3.3	0.15	0.33
31	2.5	---	11	7.3	---	7.0	---	0.84	---	2.7	0.11	---
Total	570.81	3,032.7	1,153.6	911.9	473.9	964.2	1,062.6	85.58	143.59	214.21	12.99	81.28
Mean	18.4	101	37.2	29.4	16.9	31.1	35.4	2.76	4.79	6.91	0.42	2.71
Max	124	1,180	521	202	97	449	365	14	32	162	1.2	32
Min	0.27	1.4	3.5	6.3	4.9	4.8	3.4	0.84	0.27	0.21	0.11	0.00
Cfsm	0.88	4.81	1.77	1.40	0.81	1.48	1.69	0.13	0.23	0.33	0.02	0.13
In.	1.01	5.37	2.04	1.62	0.84	1.71	1.88	0.15	0.25	0.38	0.02	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	20.0	37.2	29.3	17.4	31.5	33.1	31.0	14.2	27.1	13.1	31.6	19.8
Max	56.8	101	45.2	29.4	67.6	68.8	64.0	24.5	98.9	24.4	80.0	53.4
(WY)	(2003)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2006)	(2006)	(2003)	(2004)	(2004)
Min	4.85	11.3	10.8	11.4	12.1	6.08	14.7	1.73	1.70	5.97	0.42	2.71
(WY)	(2005)	(2004)	(2005)	(2004)	(2006)	(2006)	(2004)	(2002)	(2002)	(2002)	(2007)	(2007)

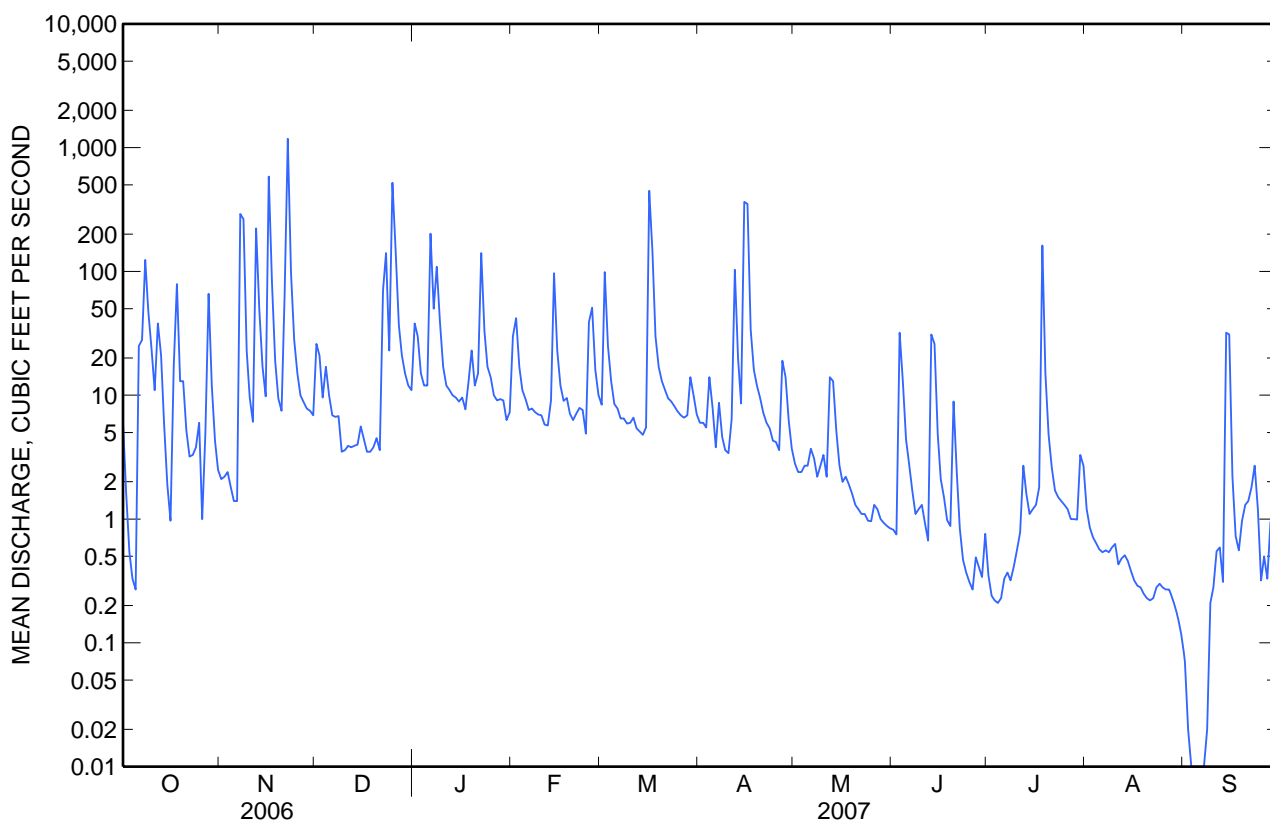
02087580 SWIFT CREEK NEAR APEX, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2002 - 2007	
Annual total	11,394.81		8,707.36			
Annual mean	31.2		23.9		26.7	
Highest annual mean					43.3	2003
Lowest annual mean					17.6	2005
Highest daily mean	1,180	Nov 22	1,180	Nov 22	1,180	Nov 22, 2006
Lowest daily mean	0.24	Aug 22	0.00	Sep 3	0.00	Aug 3, 2002
Annual seven-day minimum	0.40	Aug 16	0.01	Sep 2	0.00	Aug 3, 2002
Maximum peak flow			1,750	Nov 22	^b 5,260	Jun 14, 2006
Maximum peak stage			10.52	Nov 22	^b 13.86	Jun 14, 2006
Instantaneous low flow			^a 0.00	Sep 2	0.00	Aug 3, 2002
Annual runoff (cfsm)	1.49		1.14		1.27	
Annual runoff (inches)	20.19		15.42		17.26	
10 percent exceeds	66		35		58	
50 percent exceeds	6.8		5.1		8.1	
90 percent exceeds	1.5		0.33		0.97	

^a See Remarks.

^b See Extremes for Period of Record.



02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2002 to August 2004.

WATER TEMPERATURE: March 2002 to August 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from March 2002 to August 2004.

REMARKS.--Station operated as part of NAWQA (National Water-Quality Assessment) program from March 2002 to current year. Station was operated from October 1989 to June 1995 as part of a six county regional surface-water quality assessment.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 510 microsiemens, January 28, 2004; minimum recorded, 26 microsiemens, August 8, 2003.

WATER TEMPERATURE: Maximum recorded, 31.9°C, August 27, 2003; minimum recorded, -0.2°C, January 25, 26, 2004.

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Medium codes: 9, surface water; D, plant tissue.]

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μ S/cm 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
Oct													
12...	1430	9	51	754	7.7	84	7.1	72	19.2	19	23	3.48	4.68
26...	1200	9	.96	754	--	--	6.4	76	10.0	25	31	3.91	3.74
Nov													
17...	0945	9	80	750	8.8	86	6.7	65	13.6	13	16	3.63	5.25
30...	1130	9	6.9	765	8.5	79	7.0	85	12.3	21	26	4.97	5.71
Dec													
14...	1100	9	3.9	757	10.1	87	6.7	95	8.6	25	30	5.89	5.85
27...	1030	9	37	752	10.2	89	7.7	65	8.7	14	18	4.12	6.01
Jan													
04...	1215	9	11	755	10.8	97	6.5	83	10.1	19	22	5.02	6.09
25...	1145	9	13	766	12.1	97	6.4	94	6.1	20	24	6.38	6.75
Feb													
08...	1100	9	6.9	770	13.7	104	6.5	100	4.1	--	--	7.88	6.85
21...	1000	9	7.1	750	10.6	91	6.7	104	8.1	31	38	7.79	6.59
Mar													
08...	0900	9	6.9	755	10.3	88	7.0	102	7.9	33	40	7.77	6.91
21...	1030	9	11	768	10.1	95	7.2	90	12.9	22	27	7.06	7.03
30...	1000	9	10	765	8.4	79	7.1	97	13.0	24	29	7.10	6.05
Apr													
24...	1100	9	4.2	752	7.0	74	6.6	102	17.6	30	36	6.41	4.90
May													
08...	1000	9	2.1	756	8.2	82	7.5	95	14.9	30	36	6.00	3.96
30...	1530	9	.85	758	5.5	67	7.0	152	24.6	36	44	13.0	4.87
Jun													
08...	1130	9	1.1	755	5.8	70	6.8	106	24.0	29	35	6.26	4.38
15...	1030	D	4.9	--	8.2	--	7.4	85	20.5	--	--	--	--
19...	1200	9	.90	755	6.6	79	6.6	98	24.0	29	35	5.98	3.83
Jul													
16...	1330	9	1.3	748	5.8	76	6.8	117	28.2	42	51	7.10	3.96
27...	1445	9	1.0	749	6.2	76	7.0	109	24.8	36	44	5.38	3.64
Aug													
16...	1030	9	.33	749	3.8	48	6.7	144	25.7	59	72	5.57	.99
27...	1130	9	.27	752	1.7	21	6.6	175	25.8	75	91	5.95	.93
Sep													
05...	1420	9	.00	766	4.0	49	6.7	200	25.7	85	104	6.52	.79
17...	1145	9	.70	762	6.8	73	6.5	89	18.8	19	23	4.80	13.7

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Biomass peri- phyton, ashfree drymass g/m2 (49954)	Peri- phyton biomass ash weight, g/m2 (00572)	Peri- phyton biomass dry weight, g/m2 (00573)	Biomass chloro- phyll ratio, peri- phyton, number (70950)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	1-Naph- thol, water, fltrd 0.7u GF µg/L (49295)
Oct													
12...	.043	.20	.008	.86	E.005	.080	--	--	--	--	--	--	<.09
26...	E.018	E.05	<.002	.43	E.004	.035	--	--	--	--	--	--	<.09
Nov													
17...	.026	.17	.004	.88	.016	.137	--	--	--	--	--	--	<.09
30...	.035	.20	.006	.57	.017	.065	--	--	--	--	--	--	<.09
Dec													
14...	E.019	.21	.006	.54	.008	.050	--	--	--	--	--	--	<.09
27...	.029	.23	.006	.81	E.005	.096	--	--	--	--	--	--	<.09
Jan													
04...	.050	.23	.008	.70	.007	.072	--	--	--	--	--	--	<.09
25...	.036	.28	.009	.68	E.004	.055	--	--	--	--	--	--	<.09
Feb													
08...	E.013	.18	.003	.45	E.004	.043	--	--	--	--	--	--	<.09
21...	E.013	.10	.003	.41	E.005	.041	--	--	--	--	--	--	<.09
Mar													
08...	<.020	E.06	E.002	.38	E.003	.035	--	--	--	--	--	--	<.09
21...	<.020	.24	.004	.65	E.004	.051	--	--	--	--	--	--	<.09
30...	E.020	.14	.004	.61	E.003	.049	--	--	--	--	--	--	<.09
Apr													
24...	.059	.18	.006	.65	.007	.061	--	--	--	--	--	--	<.09
May													
08...	.103	.19	.013	.66	.016	.057	--	--	--	--	--	--	<.09
30...	.057	.19	.011	.59	E.005	.052	--	--	--	--	--	--	<.09
Jun													
08...	.050	.20	.010	.73	.022	.063	--	--	--	--	--	--	<.09
15...	--	--	--	--	--	--	7.8	100	111.1	584	13.5	6.7	--
19...	E.011	.20	.011	.72	.006	.056	--	--	--	--	--	--	<.09
Jul													
16...	.055	.07	.003	.53	.009	.065	--	--	--	--	--	--	<.09
27...	.046	.09	.003	.65	.011	.058	--	--	--	--	--	--	<.09
Aug													
16...	.062	<.06	E.002	.62	.006	.057	--	--	--	--	--	--	<.09
27...	.119	<.06	.005	.99	.007	.081	--	--	--	--	--	--	<.09
Sep													
05...	.073	<.06	.003	.80	.008	.074	--	--	--	--	--	--	<.09
17...	.054	.10	.002	.54	E.003	.063	--	--	--	--	--	--	<.09

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2,6-Diethyl-aniline water, fltrd 0.7u GF µg/L (82660)	2Chloro-2',6'-diethyl acet-anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, µg/L (61620)	3,4-Di-chloro-aniline water, fltrd, µg/L (61625)	3,5-Di-chloro-aniline water, fltrd, µg/L (61627)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	alpha-Endo-sulfan, water, fltrd, µg/L (34362)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)
Oct													
12...	<.006	<.006	<.014	<.010	<.004	.059	<.005	<.006	<.005	<.011	E.007	<.04	<.080
26...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.007	<.04	<.080
Nov													
17...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.007	<.04	<.080
30...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080
Dec													
14...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.005	<.04	<.080
27...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.008	<.04	<.080
Jan													
04...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.006	<.04	<.080
25...	<.006	<.006	<.014	<.010	<.004	<.012	E.007	<.006	<.005	<.011	E.007	<.04	<.080
Feb													
08...	<.006	<.006	<.014	<.010	<.004	<.012	E.007	<.006	<.005	<.011	<.007	<.04	<.080
21...	<.006	<.006	<.014	<.010	<.004	<.012	E.006	<.006	<.005	<.011	E.007	<.04	<.080
Mar													
08...	<.006	<.006	<.014	<.010	<.004	<.012	E.007	<.006	<.005	<.011	.008	<.04	<.080
21...	<.006	<.006	<.014	<.010	<.004	<.012	E.015	<.006	<.005	<.011	.019	<.04	<.080
30...	<.006	<.006	E.013	<.010	<.004	<.012	E.009	<.006	<.005	<.011	.033	<.04	<.080
Apr													
24...	<.006	<.006	E.009	<.010	E.008	<.012	<.005	<.006	.008	<.011	.027	<.04	<.080
May													
08...	<.006	<.006	E.009	<.010	E.006	<.012	E.007	<.006	E.006	<.011	.028	<.04	<.080
30...	<.006	<.006	E.009	<.010	E.007	<.012	E.003	<.006	<.005	<.011	.019	<.04	<.080
Jun													
08...	<.006	<.006	E.009	<.010	E.008	<.012	<.005	<.006	<.005	<.011	.031	<.04	<.080
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.006	<.006	E.013	<.010	<.007	<.012	<.005	<.006	<.005	<.011	.034	<.04	<.080
Jul													
16...	<.006	<.006	E.007	<.010	E.010	<.012	<.005	<.006	<.005	<.011	E.007	<.04	<.080
27...	<.006	<.006	E.007	<.010	E.004	E.006	<.005	<.006	<.005	<.011	.018	<.04	<.080
Aug													
16...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	E.007	<.04	<.080
27...	<.006	<.006	<.014	<.010	<.006	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080
Sep													
05...	<.006	<.006	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080
17...	<.006	<.006	E.008	<.010	<.004	<.012	<.005	<.006	<.005	<.011	.016	<.04	<.080

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ben- flur- alin, water, fltrd 0.7u GF µg/L (82673)	Car- baryl, water, fltrd 0.7u GF µg/L (82680)	Carbo- furan, water, fltrd 0.7u GF µg/L (82674)	Chlor- pyrifos oxon, water, fltrd, µg/L (61636)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7u GF µg/L (82687)	cis- Propi- cona- zole, water, fltrd, µg/L (79846)	Cyana- zine, water, fltrd, µg/L (04041)	Cyflu- thrin, water, fltrd, µg/L (61585)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Cyper- methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)
Oct													
12...	<.010	E.088	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.008
26...	<.010	E.011	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.009
Nov													
17...	<.010	E.026	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
30...	<.010	E.011	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.006
Dec													
14...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
27...	<.010	E.018	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
Jan													
04...	<.010	E.013	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.006
25...	<.010	E.010	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
Feb													
08...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.008
21...	<.010	E.007	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.006
Mar													
08...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
21...	<.010	E.011	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.008
30...	<.010	E.010	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.008
Apr													
24...	<.010	E.012	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.009
May													
08...	<.010	E.012	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.009
30...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
Jun													
08...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.009
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.010	E.009	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.009
Jul													
16...	<.010	E.013	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
27...	<.010	E.005	<.020	<.06	<.005	<.010	E.006	<.018	<.053	<.014	<.046	E.002	E.008
Aug													
16...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
27...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
Sep													
05...	<.010	<.060	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007
17...	<.010	E.018	<.020	<.06	E.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	E.007

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Diazi- non, water, fltrd, µg/L (39572)	Dicro- tophos, water, fltrd, µg/L (38454)	Diel- drin, water, fltrd, µg/L (39381)	Dimeth- oate, water, fltrd 0.7µ GF µg/L (82662)	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7µ GF µg/L (82677)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7µ GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho- prop, water, fltrd 0.7µ GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos sulf- oxide, water, fltrd, µg/L (61646)
Oct													
12...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
26...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Nov													
17...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
30...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Dec													
14...	E.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
27...	E.006	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Jan													
04...	<.005	<.08	<.009	<.006	<.01	E.09	<.022	<.002	<.02	<.016	<.012	<.053	<.04
25...	E.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Feb													
08...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
21...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Mar													
08...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
21...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
30...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Apr													
24...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
May													
08...	E.006	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
30...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Jun													
08...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Jul													
16...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
27...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
Aug													
16...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
27...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.06
Sep													
05...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04
17...	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.015	<.053	<.06

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)	Malaoxon, water, fltrd, µg/L (61652)	Malathion, water, fltrd, µg/L (39532)	Metaxyl, water, fltrd, µg/L (61596)	Methion, water, fltrd, µg/L (61598)
Oct													
12...	<.03	E.008	E.010	E.008	E.013	<.006	<.026	M	<.011	<.039	E.011	.018	<.009
26...	<.03	E.007	E.009	E.007	E.011	<.006	<.026	<.026	<.011	<.039	<.016	.010	<.009
Nov													
17...	<.03	E.007	E.010	E.008	E.028	<.006	<.026	<.026	<.011	<.039	<.016	E.009	<.009
30...	<.03	E.007	E.010	E.007	E.018	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
Dec													
14...	<.03	E.007	E.010	E.007	E.015	<.006	<.026	<.026	<.011	<.039	<.016	E.006	<.009
27...	<.03	E.007	E.010	E.009	E.026	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
Jan													
04...	<.03	E.007	E.009	E.007	E.024	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
25...	<.03	E.005	E.010	E.007	E.017	<.006	<.026	<.026	<.011	<.039	<.016	.008	<.009
Feb													
08...	<.03	E.006	E.011	E.007	E.013	<.006	<.026	<.026	<.011	<.039	<.016	<.009	<.009
21...	<.03	E.007	E.008	E.008	E.014	<.006	<.026	<.026	<.011	<.039	<.016	E.006	<.009
Mar													
08...	<.03	E.005	E.010	E.007	E.011	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
21...	<.03	E.005	E.010	E.008	E.018	<.006	<.026	<.026	<.011	<.039	<.016	.008	<.009
30...	<.03	E.006	E.010	E.007	E.014	<.006	<.026	<.026	<.011	<.039	<.016	.007	<.009
Apr													
24...	<.03	E.005	E.011	E.009	E.017	<.006	<.026	<.026	<.011	<.039	<.016	.007	<.009
May													
08...	<.03	E.006	E.010	E.007	E.014	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
30...	<.03	E.002	E.007	<.024	<.016	<.006	<.026	<.0275	<.011	<.039	<.016	<.007	<.009
Jun													
08...	<.03	E.004	E.010	E.005	E.008	<.006	<.026	<.026	<.011	<.039	<.016	.017	<.009
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.03	E.005	E.010	E.010	E.012	<.006	<.026	<.026	<.011	<.039	<.016	.044	<.009
Jul													
16...	<.03	<.029	E.009	E.006	E.007	<.006	<.026	<.026	<.011	<.039	<.016	.011	<.009
27...	<.03	E.004	E.010	E.012	E.008	<.006	<.026	M	<.011	<.039	<.016	.019	<.009
Aug													
16...	<.03	E.003	E.009	E.005	E.004	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
27...	<.03	E.008	E.009	E.010	E.010	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
Sep													
05...	<.03	E.007	E.009	E.004	E.002	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009
17...	<.03	E.008	E.009	E.008	E.016	<.006	<.026	<.026	<.011	<.039	<.016	.016	<.009

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd, 0.7u GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Moli- nate, water, fltrd, 0.7u GF µg/L (82671)	Myclo- butanil water, fltrd, µg/L (61599)	Oxy- fluor- fen, water, fltrd, µg/L (61600)	Pendi- meth- alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome- ton, water, fltrd, µg/L (04037)
Oct													
12...	<.02	<.008	<.010	<.012	<.003	E.017	<.017	<.020	<.03	<.020	<.05	<.008	.01
26...	<.02	<.008	<.010	<.012	<.003	E.012	<.017	<.020	<.03	<.020	<.05	<.008	.01
Nov													
17...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	.01
30...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
Dec													
14...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
27...	<.02	<.008	<.010	<.012	<.003	E.011	<.017	<.020	<.03	<.020	<.05	<.008	<.01
Jan													
04...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
25...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
Feb													
08...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
21...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
Mar													
08...	<.02	<.008	E.008	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01
21...	<.02	<.008	E.008	<.012	<.003	<.130	<.017	<.020	<.03	<.020	<.05	<.008	.01
30...	<.02	<.008	.015	<.012	<.003	.063	<.017	<.020	<.03	<.020	<.05	<.008	.03
Apr													
24...	<.02	<.008	.017	<.012	<.003	<.050	<.017	<.020	<.03	<.020	<.05	<.008	.01
May													
08...	<.02	<.008	.014	<.012	<.003	<.040	<.017	<.020	<.03	<.020	<.05	<.008	.07
30...	<.02	<.008	.012	<.012	<.026	<.033	<.017	<.020	<.03	<.020	--	--	.05
Jun													
08...	<.02	<.008	.012	<.012	<.003	.034	<.017	<.020	<.03	<.020	<.05	<.008	.02
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.02	<.008	.014	<.012	<.032	<.033	<.017	<.020	<.03	<.020	--	--	.02
Jul													
16...	<.02	<.008	E.009	<.012	<.003	E.017	<.017	<.020	<.03	<.020	<.05	<.008	.02
27...	<.02	<.008	.012	<.012	<.016	E.029	<.017	<.020	<.03	<.020	--	--	.01
Aug													
16...	<.02	<.008	E.005	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	.01
27...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	.01
Sep													
05...	<.02	<.008	<.010	<.012	<.003	E.013	<.017	<.020	<.03	<.020	<.05	<.008	E.01
17...	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd 0.7µ GF µg/L (82676)	Propanil, water, fltrd 0.7µ GF µg/L (82679)	Propargite, water, fltrd 0.7µ GF µg/L (82685)	Simazine, water, fltrd, µg/L (04035)	Tebu-thiuron water, fltrd 0.7µ GF µg/L (82670)	Tefluthrin, water, fltrd, µg/L (61606)	Terbufos sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd 0.7µ GF µg/L (82675)	Terbutylazine, water, fltrd, µg/L (04022)	Thiocarb water, fltrd 0.7µ GF µg/L (82681)	trans-Propiconazole, water, fltrd, µg/L (79847)	Tribu-phos, water, fltrd, µg/L (61610)
Oct													
12...	<.006	<.004	<.011	<.02	.014	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
26...	<.006	<.004	<.011	<.02	.009	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Nov													
17...	<.006	<.004	<.011	<.02	.019	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
30...	<.006	<.004	<.011	<.02	.013	<.02	<.003	<.04	<.01	.02	<.010	<.03	<.035
Dec													
14...	<.006	<.004	<.011	<.02	.027	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
27...	<.006	.029	<.011	<.02	.366	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Jan													
04...	<.006	.021	<.011	<.02	.248	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
25...	<.006	.014	<.011	<.02	.339	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Feb													
08...	<.006	.012	<.011	<.02	.337	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
21...	<.006	.008	<.011	<.02	.300	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Mar													
08...	<.006	.008	<.011	<.02	.430	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
21...	<.006	.008	<.011	<.02	.802	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
30...	<.006	<.010	<.011	<.02	.903	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Apr													
24...	<.006	.019	<.011	<.02	.283	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
May													
08...	<.006	.033	<.011	<.02	.216	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
30...	<.006	E.006	<.011	<.02	.067	<.02	<.004	<.04	<.01	<.01	<.010	<.03	<.035
Jun													
08...	<.006	<.004	<.011	<.02	.332	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.006	E.007	<.011	<.02	.393	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035
Jul													
16...	<.006	<.004	<.011	<.02	.016	<.02	<.003	<.04	<.01	.03	<.010	<.03	<.035
27...	<.006	<.005	<.011	<.02	.152	<.02	<.003	<.04	<.01	.45	<.010	M	<.035
Aug													
16...	<.006	<.004	<.011	<.02	.057	<.02	<.003	<.04	<.01	.06	<.010	<.03	<.035
27...	<.006	<.004	<.011	<.02	.034	<.02	<.003	<.04	<.01	.04	<.010	<.03	<.035
Sep													
05...	<.006	<.004	<.011	<.02	.020	<.02	<.003	<.04	<.01	.02	<.010	<.03	<.035
17...	<.006	<.004	<.011	<.02	.143	<.02	<.003	<.04	<.01	E.01	<.010	<.03	<.035

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 9 of 9

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Tri-fluor-alin, water, fltrd 0.7u GF µg/L (82661)	Di-chlor-vo-s, water, fltrd, µg/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
Oct					
12...	<.009	<.01	93	20	2.8
26...	<.009	<.01	97	12	.03
Nov					
17...	<.009	<.01	90	43	9.3
30...	<.009	<.01	97	10	.19
Dec					
14...	<.009	<.01	94	11	.12
27...	<.009	<.01	88	37	3.7
Jan					
04...	<.009	<.01	76	27	.80
25...	<.009	<.01	81	15	.53
Feb					
08...	<.009	<.01	93	4	.07
21...	<.009	<.01	98	38	.73
Mar					
08...	<.009	<.01	--	--	
21...	<.009	<.01	91	26	.77
30...	<.009	<.01	92	15	.41
Apr					
24...	<.009	<.01	96	19	.22
May					
08...	<.009	<.01	97	10	.06
30...	<.009	<.01	91	11	.03
Jun					
08...	<.009	<.01	84	21	.06
15...	--	--	--	--	--
19...	<.009	<.01	96	16	.04
Jul					
16...	<.009	<.01	93	9	.03
27...	<.009	<.01	96	8	.02
Aug					
16...	<.009	<.01	93	8	.01
27...	<.009	<.01	94	17	.01
Sep					
05...	<.009	<.01	95	13	--
17...	<.009	<.01	99	53	.10