

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 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.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	510, January 28, 2004	26, August 8, 2003
WATER TEMPERATURE, °C	31.9, August 27, 2003	-0.2, January 25, 26, 2004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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 unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Biomass periphyton, ashfree drymass g/m2 (49954)
NOV 02...	1300	9	1.7	756	5.6	61	7.0	107	18.7	36	44	6.16	2.6
DEC 17...	1030	9	3.4	765	11.9	88	7.1	100	3.1	27	33	6.52	4.9
FEB 17...	1400	9	13	753	12.4	114	7.4	106	11.0	26	32	11.3	6.0
APR 26...	1200	9	3.4	754	9.2	90	6.4	118	13.8	37	45	--	--
JUN 08...	1030	9	78	754	8.1	99	7.0	82	25.1	23	28	6.10	5.3
JUN 21...	1100	D	--	--	5.5	--	--	102	20.3	--	--	--	--
AUG 08...	1030	9	.21	757	5.0	60	7.0	101	24.4	37	45	5.80	3.5
NOV 02...	<.04	--	<.06	E.005	.07	.35	.006	.036	.5	<.1	.5	5.0	--
DEC 17...	E.02	--	.09	<.008	--	.53	E.003	.032	--	--	--	--	--
FEB 17...	<.04	--	.09	<.008	--	.55	E.003	.031	--	--	--	--	--
APR 26...	.13	.12	.13	.009	--	.60	.007	.042	--	--	--	--	--
JUN 08...	E.02	--	.10	E.004	--	.90	<.006	.100	--	--	--	--	--
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	3.3
AUG 08...	.07	--	.18	E.006	--	.61	.009	.049	--	--	--	--	--

02087580 SWIFT CREEK NEAR APEX, NC—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Peri- phyton biomass ash weight, g/m2 (00572)	Peri- phyton biomass dry weight, g/m2 (00573)	Biomass chloro- phyll ratio, peri- phyton, number (70950)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)	1-Naph- thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, ug/L (61620)	3,4-Di- chloro- aniline water fltrd, ug/L (61625)	3,5-Di- chloro- aniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)
Date	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- Endo- sulfan, water, fltrd, ug/L (34362)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl oxon, water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin fltrd 0.7u GF ug/L (82687)	cis- Propi- cona- zole, water, fltrd, ug/L (79846)
Date	Cyana- zine, water, fltrd, ug/L (04041)	Cyflu- thrin, water, fltrd, ug/L (61585)	lambda- Cyhalo- thrin, water, fltrd, ug/L (61595)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipron- nil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)
NOV 02...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006
DEC 17...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006
FEB 17...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	--	E.005
APR 26...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	--	E.005
JUN 08...	--	--	--	--	--	<.09	<.006	<.005	E.008	<.004	<.004	<.004	<.006
JUN 21...	89	92.00	471	1.5	6.8	--	--	--	--	--	--	--	--
AUG 08...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	<.008	<.006
NOV 02...	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--
DEC 17...	<.006	<.005	--	<.009	<.07	<.050	<.010	E.017	--	<.06	<.005	<.006	--
FEB 17...	<.006	<.005	--	.011	<.07	<.050	<.010	E.010	--	<.06	<.005	<.006	--
APR 26...	<.006	<.005	--	.013	<.07	<.050	<.010	E.005	--	<.06	<.005	<.006	--
JUN 08...	<.006	<.005	<.005	.035	<.07	<.050	<.010	E.036	<.020	<.06	<.005	<.006	<.008
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	<.006	<.005	<.005	.008	<.07	<.050	<.010	E.011	<.020	<.06	<.005	<.006	<.008
NOV 02...	--	<.008	--	<.009	<.003	E.004	<.01	<.005	<.08	<.009	<.006	--	--
DEC 17...	--	<.008	--	<.009	<.003	E.008	<.01	<.005	<.08	<.009	<.006	--	--
FEB 17...	--	<.027	--	<.009	<.003	E.005	<.01	<.005	<.08	<.009	<.006	--	--
APR 26...	--	<.027	--	<.009	<.003	E.006	<.01	<.005	<.08	<.009	<.006	--	--
JUN 08...	<.018	<.027	<.009	<.009	<.003	E.010	--	<.005	<.08	<.009	<.006	<.01	<.02
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	<.018	<.027	<.009	<.009	<.003	E.007	--	<.005	<.08	<.009	<.006	<.01	<.02

## 02087580 SWIFT CREEK NEAR APEX, NC—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Desulf- inyl- fipron- il amide, wat flt ug/L (62169)	Fipron- il sulfide water, fltrd, ug/L (62167)	Fipron- il sulfone water, fltrd, ug/L (62168)	Fipron- il, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
NOV 02...	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	E.005	<.024	<.016	<.003
DEC 17...	--	--	<.0020	<.004	--	<.049	<.04	<.03	E.001	E.009	E.002	E.010	<.003
FEB 17...	--	--	<.0020	<.004	--	<.049	<.04	<.03	E.003	E.006	E.005	E.011	--
APR 26...	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	E.008	<.024	E.012	--
JUN 08...	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	E.008	E.009	E.009	E.021	--
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	E.007	E.009	E.008	E.009	--
Date	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
NOV 02...	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--
DEC 17...	<.003	<.013	<.387	<.003	<.030	<.027	<.011	<.006	<.03	<.015	.017	<.006	--
FEB 17...	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--
APR 26...	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--
JUN 08...	<.003	<.013	<.538	<.003	<.030	<.027	<.014	<.006	<.03	<.015	<.016	<.006	<.003
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	<.003	<.013	<.538	<.003	<.030	<.027	.030	<.006	<.03	<.015	<.006	<.006	<.003
Date	Myclo- butanil water, fltrd, ug/L (61599)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Simaz- ine, water, fltrd, ug/L (04035)
NOV 02...	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--	.012
DEC 17...	.024	--	<.022	<.10	<.011	<.05	<.008	.01	<.005	.131	--	--	.793
FEB 17...	.027	--	E.012	<.10	<.011	<.05	<.008	.01	<.005	.141	--	--	.306
APR 26...	<.035	--	<.022	<.10	<.011	--	<.008	.03	<.005	.090	--	--	.114
JUN 08...	<.011	<.007	E.014	<.10	<.011	<.05	<.008	.05	<.005	.024	<.011	<.02	.057
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	E.022	<.007	<.022	<.10	<.011	--	--	.03	<.005	<.010	<.011	<.02	.030

02087580 SWIFT CREEK NEAR APEX, NC—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Di- chlor- vos, water fltrd, ug/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)
NOV 02...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	90	18	.08
DEC 17...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	83	14	.13
FEB 17...	<.02	--	<.07	<.02	<.01	--	--	--	E.003	<.01	81	14	.49
APR 26...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	77	5	.05
JUN 08...	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	76	50	11
JUN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.020	<.009	<.01	90	6	.00

Remark codes used in this table:

< -- Less than.  
E -- Estimated.

Medium codes used in this table:

9 -- Surface water sample.  
D -- Plant tissue sample.