



Water-Data Report 2008

03600085 CARTERS CREEK AT PETTY LANE NEAR CARTERS CREEK, TN

Lower Tennessee Basin
Lower Duck Subbasin

LOCATION.--Lat 35°43'39", long 86°59'19" referenced to North American Datum of 1927, Maury County, TN, Hydrologic Unit 06040003, at bridge on Petty Lane, 0.8 mile north of Carters Creek, and at mile 4.7.

DRAINAGE AREA.--16.6 mi².

SURFACE-WATER RECORDS

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow or water level data at sites other than stream-gaging stations. When limited data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these stations are usable in low-flow or floodflow analyses, depending on the type of data collected.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft³/s
Nov 13, 2007	1.63
Mar 11, 2008	37.8
Jun 17, 2008	15.3

03600085 CARTERS CREEK AT PETTY LANE NEAR CARTERS CREEK, TN—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to June 2008 (discontinued).

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 7

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

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)	Arsenic water, unfltrd μ g/L (01002)	Barium, water, unfltrd recover μ g/L (01007)	Cadmium water, unfltrd μ g/L (01027)	Chromium, water, unfltrd recover μ g/L (01034)	Copper, water, unfltrd recover μ g/L (01042)
Nov 13...	0930	1.6	750	6.9	66	7.0	472	12.5	.76	21.4	<.01	<.40	<1.2
Mar 11...	0915	38	753	11.7	102	8.0	345	9.0	E.49	14.4	<.01	E.33	<1.2
Jun 17...	0915	15	747	6.7	77	7.7	291	21.0	1.8	27.6	E.01	.61	E1.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 7

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Date	Cyanide water, unfltrd mg/L (00720)	Lead, water, unfltrd recover μ g/L (01051)	Mercury water, unfltrd recover μ g/L (71900)	Nickel, water, unfltrd recover μ g/L (01067)	Selenium, water, unfltrd μ g/L (01147)	Silver, water, unfltrd recover μ g/L (01077)	Zinc, water, unfltrd recover μ g/L (01092)	Oil and grease, water, unfltrd extract mg/L (00556)	1,2-Di-phenyl-hydra-zine, water, unfltrd μ g/L (82626)	2,4,6-Tri-chloro-phenol, water, unfltrd μ g/L (34621)	2,4-Di-chloro-phenol, water, unfltrd μ g/L (34601)	2,4-Di-methyl-phenol, water, unfltrd μ g/L (34606)	2,4-Di-nitro-phenol, water, unfltrd μ g/L (34616)
Nov 13...	E.0033	.06	<.010	.73	.16	<.02	<2.0	<8	<.30	<.6	<.39	<.6	<.80
Mar 11...	<.0100	.08	<.010	.23	.24	<.02	<2.0	--	--	--	--	--	--
Jun 17...	<.0100	.70	E.010	.90	.15	<.02	2.4	--	<.30	<.6	<.39	<.6	<2

03600085 CARTERS CREEK AT PETTY LANE NEAR CARTERS CREEK, TN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 7

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Date	2,4-Di-nitro-toluene water, unfltrd µg/L (34611)	2,6-Di-nitro-toluene water, unfltrd µg/L (34626)	2-Chloro-naphthalene, water, unfltrd µg/L (34581)	2-chloro-phenol, water, unfltrd µg/L (34586)	2-Methyl-4,6-dinitro-phenol, wat unf µg/L (34657)	2-nitro-phenol, water, unfltrd µg/L (34591)	3,3'-Di-chloro-benzi-dine, water, unfltrd µg/L (34631)	4-Bromo-phenyl ether, wat unf µg/L (34636)	4-Chloro-3-methyl-phenol, wat unf µg/L (34452)	4-Chloro-phenyl ether, wat unf µg/L (34641)	4-Nitro-phenol, water, unfltrd µg/L (34646)	9H-Fluor-ene, water, unfltrd µg/L (34381)	Ace-naphth-ene, water, unfltrd µg/L (34205)
Nov 13...	<.43	<.43	<.2	<.42	<.77	M	<.4	<.36	<.55	<.34	<.51	<.33	<.28
Mar 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 17...	<.43	<.43	<.2	<.42	<.77	<.6	<.4	<.36	<.55	<.34	<.51	<.33	<.28

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 7

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Date	Ace-naphth-ylene, water, unfltrd µg/L (34200)	Anthra-cene, water, unfltrd µg/L (34220)	Benzo-[a]-anthra-cene, water, unfltrd µg/L (34526)	Benzo-[a]-pyrene, water, unfltrd µg/L (34247)	Benzo-[b]-fluor-anthene, water, unfltrd µg/L (34230)	Benzo-[ghi]-per-ylene, water, unfltrd µg/L (34521)	Benzo-[k]-fluor-anthene, water, unfltrd µg/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd µg/L (34292)	Bis(2-chloro-ethoxy) methane, water, unfltrd µg/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd µg/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf µg/L (34283)	Bis(2-ethyl-hexyl) phthal-ate, wat unf µg/L (39100)	Chrys-ene, water, unfltrd µg/L (34320)
Nov 13...	<.30	<.39	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30	<.38	<.2	<.33
Mar 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 17...	<.30	<.39	<.26	<.33	<.40	<.4	<.4	<.4	<.35	<.30	<.38	<.2	<.33

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 7

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Date	Di-benzo- [a,h]- anthra- cene, wat unf µg/L (34556)	Di-ethyl- phthal- ate, water, unfltrd µg/L (34336)	Di-methyl- phthal- ate, water, unfltrd µg/L (34341)	Di-n-butyl- phthal- ate, water, unfltrd µg/L (39110)	Di-n-octyl- phthal- ate, water, unfltrd µg/L (34596)	Fluor- anthene water, unfltrd µg/L (34376)	Hexa- chloro- benzene water, unfltrd µg/L (39700)	Hexa- chloro- cyclo- penta- diene, wat unf µg/L (34386)	Indeno- [1,2,3- cd]- pyrene, water, unfltrd µg/L (34403)	Iso- phorone water, unfltrd µg/L (34408)	Nitro- benzene water, unfltrd µg/L (34447)	N- Nitroso- di- methyl- amine, wat unf µg/L (34438)	N- Nitroso- di-n- propyl- amine, wat unf µg/L (34428)
Nov 13...	<.4	<.61	<.59	<.4	<.4	<.30	<.30	<.4	<.4	M	<.21	<.33	<.4
Mar 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 17...	<.4	<.61	<.59	<.4	<.4	<.30	<.30	<.4	<.4	M	<.21	<.33	<.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 7

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Date	N- Nitroso- di- phenyl- amine, wat unf µg/L (34433)	Penta- chloro- phenol, water, unfltrd µg/L (39032)	Phenan- threne, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	Hexa- chloro- buta- diene, water, unfltrd µg/L (39702)	Hexa- chloro- ethane, water, unfltrd µg/L (34396)	Naphth- alene, water, unfltrd µg/L (34696)	Suspd. sedi- ment, sieve diametr percent <62.5um (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Nov 13...	<.4	<.4	<.32	<.4	<.2	<.2	<.2	<.2	<.2	<.2	<.32	81	7
Mar 11...	--	--	--	--	--	--	--	--	--	--	--	90	3
Jun 17...	<.4	<.4	<.32	<.4	<.2	<.2	<.2	<.2	<.2	<.2	<.32	99	29

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**WATER-QUALITY
DATA
WATER YEAR
OCTOBER 2007 TO
SEPTEMBER 2008**

Part 7 of 7

[Remark codes:

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Date	Sus- pended sedi- ment dis- charge, tons/d (80155)
Nov	
13...	.03
Mar	
11...	.31
Jun	
17...	1.2