

Water-Data Report 2007

01467190 COOPER RIVER AT CAMDEN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°55'35", long 75°05'02" referenced to North American Datum of 1983, Camden City, Camden County, NJ, Hydrologic Unit 02040202, a bridge on US Route 30 (South Crescent Boulevard) in Camden, 480 ft north from South Park Drive, 2.4 mi southwest of Merchantville, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--35.2 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-71, 1976-83, 2006-07.

REMARKS.--Cooperative Network Site Descriptor: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Turbidity white light, det ang 90+/-30 corctd	Baro- metric pres- sure, NTRU (63676)	Dis- solved oxygen, mg/L (00025)	Dis- solved oxygen, mg/L (00300)	pH, percent of sat- uration (00301)	water, unfltrd field, std units (00400)	Specif- ic conduc- tance, μS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L CaCO ₃ (00900)	Calciu- m water, mg/L (00915)
Dec													
19...	0630	Field Blank	--	--	--	--	--	--	--	--	--	<.02	
19...	0700	Environmental	10	770	13.9	114	8.4	310	7.1	7.3	82	22.1	
Sep													
25...	0930	Environmental	16	768	8.9	104	7.4	313	18.6	22.8	--	--	

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, μg/L (01000)	Arsenic water, unfltrd μg/L (01002)	Beryll- ium, water, unfltrd μg/L (01010)	Beryll- ium, water, recover- able, μg/L (01012)	Cadmium water, fltrd, μg/L (01025)	Cadmium water, unfltrd μg/L (01027)	Chrom- ium, water, fltrd, μg/L (01030)	Chrom- ium, water, unfltrd μg/L (01034)	Copper, water, unfltrd μg/L (01040)	Copper, water, recover- able, μg/L (01042)	Lead, water, fltrd, μg/L (01049)	Lead, water, unfltrd μg/L (01051)
Dec													
19...	<.014	<.12	--	<.06	--	<.04	--	<.12	--	<.40	--	<.12	--
19...	6.44	.39	1.1	<.06	<.06	E.02	.03	.14	E.53	.81	1.2	E.09	1.24
Sep													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

01467190 COOPER RIVER AT CAMDEN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Mercury water, unfltrd µg/L (71890)	Mercury water, recover able, -able, µg/L (71900)	Nickel, water, unfltrd water, recover able, -able, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01067)	Selen- ium, water, unfltrd water, µg/L (01145)	Zinc, water, unfltrd water, recover able, -able, µg/L (01090)	Zinc, water, unfltrd water, recover able, -able, µg/L (01092)	
Dec								
19...	<.010	--	<.06	--	<.08	--	<.60	--
19...	<.010	<.010	3.1	3.41	.14	.16	5.6	9
Sep								
25...	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 3

[Remark codes: <, less than.]

Date	1,1,1- Tri- chloro- ethane, water, unfltrd µg/L (34506)	CFC-113 water, unfltrd µg/L (77652)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,2-Di- chloro- benzene, water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane, water, unfltrd µg/L (34541)	1,3-Di- chloro- benzene, water, unfltrd µg/L (34566)	1,4-Di- chloro- benzene, water, unfltrd µg/L (34571)	Benzene water, unfltrd µg/L (34030)	Bromo- di- chloro- methane water, unfltrd µg/L (32101)	Chloro- benzene water, unfltrd µg/L (34301)	cis- 1,2-Di- chloro- ethene, water, unfltrd µg/L (77093)
Dec													
19...	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Sep													
25...	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than.]

Date	Di- bromo- chloro- methane water, unfltrd µg/L (32105)	Di- chloro- fluoro- methane water, wat unf µg/L (34668)	Di- chloro- methane water, unfltrd µg/L (34423)	Di- ethyl ether, water, unfltrd µg/L (81576)	Diiso- propyl ether, water, unfltrd µg/L (81577)	Ethyl- benzene water, unfltrd µg/L (34371)	Methyl tert- pentyl ether, water, unfltrd µg/L (50005)	Methyl meta- + para- ether, Xylene, water, unfltrd µg/L (85795)	o- Xylene, water, unfltrd µg/L (77135)	Styrene water, unfltrd µg/L (77128)	t-Butyl ethyl ether, water, unfltrd µg/L (50004)	Methyl t-butyl ether, water, unfltrd µg/L (78032)	Tetra- chloro- ethene, water, unfltrd µg/L (34475)
Dec													
19...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1
Sep													
25...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1

01467190 COOPER RIVER AT CAMDEN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3
 [Remark codes: <, less than.]

Date	Tetra-chloro-methane	Toluene	trans-1,2-Di-chloro-ethene	Tri-bromo-methane	Tri-chloro-ethene	Tri-fluoro-methane	Tri-chloro-methane	Vinyl chloride,
	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)
Dec								
19...	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2
Sep								
25...	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2