



Water-Data Report 2009

**0140941580 HAMMONTON CREEK TRIBUTARY NEAR WESCOATVILLE, NJ**

MULLICA RIVER BASIN

LOCATION.--Lat 39°38'32", long 74°44'14" referenced to North American Datum of 1983, Hammonton Town, Atlantic County, NJ, Hydrologic Unit 02040301, at bridge on Pleasant Mills Road (County Route 542), 0.4 mi upstream of mouth, 0.9 mi west of Wescoatville, and 3.3 mi east of Hammonton.

DRAINAGE AREA.--3.86 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water year 2009.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft <sup>3</sup> /s
Oct 8, 2008	1.60
Mar 25, 2009	3.03
May 26, 2009	2.34
Jun 16, 2009	4.61
Jul 21, 2009	23.2
Aug 12, 2009	6.71
Sep 3, 2009	6.18
Sep 23, 2009	16.9

## 0140941580 HAMMONTON CREEK TRIBUTARY NEAR WESCOATVILLE, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2008-09.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of carbonaceous biochemical oxygen demand and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

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

Part 1 of 2

[Remark codes: &lt;, less than.]

Date	Time	Baro-	Temper-	Instan-	Dis-	Dis-	pH,	Specif-	Dis-	ANC,			
		metric pres- sure, mm Hg (00025)	ature, air, deg C (00020)	taneous dis- charge, ft³/s (00061)	solved oxygen, mg/L (00300)	solved percent of sat- uration (00301)	solved oxygen, unfltrd percent units (00400)	conduc- tance, μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	CBOD, water, unfltrd 5 day, wat flt (80082)	solved solids dried @ 180degC (70300)	Sus- pended solids, water, unfltrd (00530)	wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
Sep 17...	1145	766	19.0	2.3	6.2	64	5.7	152	16.7	<1.0	88	32	6

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

Part 2 of 2

[Remark codes: &lt;, less than.]

Date	Ammonia			Nitrate			Chloro- phyl a, phyto- plankton, fluoro- ton, μg/L (70953)	Pheo- phytin a, phyto- plankton, fluoro- ton, μg/L (62360)	Iron, water, unfltrd recover, -able, μg/L (01045)	Boron, water, unfltrd recover, -able, μg/L (01022)	Organic carbon, water, unfltrd mg/L (00680)	
	Chlor- ide, water, unfltrd fltrd, mg/L (00940)	org-N, water, unfltrd fltrd, mg/L (00625)	Ammonia water, unfltrd mg/L (00608)	nitrite water, fltrd, mg/L (00631)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)						
Sep 17...	12.5	.99	.273	3.42	<.02	.15	4.4	15.6	9.1	1,030	22	5.4

## 0140941580 HAMMONTON CREEK TRIBUTARY NEAR WESCOATVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
 Part 1 of 2  
 [Remark codes: <, less than; E, estimated.]

Date	Time	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, deg C (00020)	Instan-taneous dis-charge, ft³/s (00061)	Dissolved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, µS/cm @ 25 degC (00095)	Turbidity white light, det ang 90+/-30° unfltrd corctd NTRU (63676)	Turbdy white light, det ang 90+/-30° unfltrd 5 day, NTRU (80082)	Dis-solved solids dried @ 180degC wat flt (70300)	Sus-pended solids, water, unfltrd mg/L (00530)	
Oct 08...	1230	766	19.0	1.6	7.9	74	5.6	155	12.1	14	<1.0	96	7
Mar 25...	1315	771	12.0	3.0	--	--	5.3	164	7.4	5.6	--	96	4
May 26...	1300	763	--	2.3	7.7	78	5.4	157	15.8	7.6	1.0	89	4
Jun 16...	1300	--	28.0	4.6	7.0	77	5.5	155	20.1	12	--	98	12
Jul 21...	1315	762	--	23	6.4	73	5.7	87	21.8	320	--	65	150
Aug 12...	1315	--	28.0	6.7	5.9	71	5.7	138	24.4	56	--	87	69
Sep 03...	1215	--	22.0	6.2	7.5	80	5.7	148	18.3	6.7	--	86	6
Sep 23...	1300	766	26.6	17	6.5	73	5.7	125	21.1	110	--	86	75

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
 Part 2 of 2  
 [Remark codes: <, less than; E, estimated.]

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Ammonia + Chloride, mg/L as N (00940)	Ammonia + org-N, mg/L as N (00625)	Nitrate + Ammonia, mg/L as N (00608)	Nitrite + nitrate, mg/L as N (00631)	Phos-phorus, mg/L as P (00666)	Phos-phorus, mg/L as P (00665)	Total nitrogen, mg/L as P (00600)	Chlorophyll a, phytoplankton, µg/L (70953)	Chlorophyll a, phytoplankton, µg/L (62360)	Pheophytin a, phytoplankton, µg/L (01045)	Iron, water, unfltrd recoverable, µg/L (01022)	Boron, water, unfltrd recoverable, µg/L (00680)
Oct 08...	E5	12.6	.59	.184	4.21	<.02	.07	4.8	2.5	4.0	571	25	2.6
Mar 25...	<8	14.7	.23	.028	5.36	<.04	.02	5.6	.4	1.1	265	17	1.7
May 26...	<8	13.6	.50	.138	4.72	<.02	.03	5.2	4.5	4.5	373	18	3.1
Jun 16...	E4	12.7	.63	.261	4.51	<.02	.05	5.1	2.2	3.6	579	20	3.8
Jul 21...	<8	4.61	2.1	.242	1.53	.18	.89	3.6	15.7	18.6	1,840	14	20.9
Aug 12...	E5	11.4	1.3	.210	3.15	E.01	.27	4.5	8.4	9.9	1,380	22	11.8
Sep 03...	E5	12.7	.56	.105	3.91	<.02	.04	4.5	3.9	3.9	384	23	3.0
Sep 23...	E4	9.70	1.4	.074	3.32	.04	.36	4.7	7.8	9.7	1,140	20	E16.6