



Water-Data Report 2009

**01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 40°13'02", long 74°46'07" referenced to North American Datum of 1983, Trenton City, Mercer County, NJ, Hydrologic Unit 02040105, at bridge on Peace Street in Trenton, 900 ft upstream of mouth, 0.3 mi northwest of Trent House, and 0.7 mi southeast of Trenton Filtration Plant.

DRAINAGE AREA.--91.4 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1963, 1967, 1998 to current year.

GAGE.--Staff gage.

REMARKS.--Flow includes some sewage effluent.

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Dec 8, 2008	73.6
Feb 3, 2009	118
May 26, 2009	81.8
Aug 25, 2009	307

## 01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1976-78, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Watershed Integrator, NJ Department of Environmental Protection Watershed Management Area 11.

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

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 3

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

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)
Dec 08...	1100	764	3.0	.135	.104	74	13.3	100	7.2	316	3.5	5.3	170
Feb 03...	0830	750	3.0	.108	.084	118	12.6	97	7.0	562	4.3	7.1	306
May 26...	1400	768	15.0	.137	.105	82	9.2	99	7.2	353	18.6	7.6	218
Aug 25...	1055	760	26.5	.372	.292	307	8.0	94	6.7	200	23.2	22	124

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

Date	Dis- solved solids, sum of consti- tuents, mg/L (70301)	Hard- ness, water, mg/L as CaCO3 (00900)	Sus- pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Total carbon, suspnd sedimnt total, mg/L (00694)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)
Dec 08...	E171	82	4	21.8	6.77	4.00	23.5	39	.8	42.7	E.09	<.04	7.7
Feb 03...	E286	100	3	27.5	7.79	3.59	58.8	38	.9	118	E.05	<.04	8.4
May 26...	191	93	6	25.1	7.30	3.33	27.1	45	1.0	54.4	.14	<.04	7.2
Aug 25...	E104	51	13	13.5	4.10	2.73	13.6	32	1.7	24.8	E.10	<.04	7.4

## 01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 3

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

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia	Ammonia	Nitrate	Ortho-	Partic-	Phos-	Phos-	Total	Total	Organic	Organic
		+ org-N, water, fltrd, mg/L as N (00623)	water, fltrd, mg/L as N (00608)	+ nitrite water, fltrd, mg/L as N (00631)	phos- phate, water, fltrd, mg/L as P (00671)	ulate nitro- gen, susp, water, mg/L (49570)	phorus, water, fltrd, mg/L as P (00666)	phorus, water, unfltrd mg/L as P (00665)	nitro- gen, water, fltrd, mg/L (00602)	nitro- gen, water, unfltrd mg/L (00600)	carbon, suspnd sedimnt total, mg/L (00689)	carbon, water, fltrd, mg/L (00681)
<b>Dec</b> 08...	24.5	.47	.075	3.43	.376	.11	.36	.43	3.9	4.0	.81	3.9
<b>Feb</b> 03...	23.4	.47	.090	3.15	.233	.12	.23	.30	3.6	3.7	.92	3.3
<b>May</b> 26...	23.3	.50	.064	3.33	.374	.12	.40	.47	3.8	3.9	.98	3.7
<b>Aug</b> 25...	13.3	.58	.056	1.15	E.004	.20	.11	.16	1.7	1.9	1.65	7.1