



Water-Data Report 2009

**01482505 SALEM RIVER AT U.S. ROUTE 40, AT WOODSTOWN, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°38'57", long 75°19'56" referenced to North American Datum of 1983, Woodstown Borough, Salem County, NJ, Hydrologic Unit 02040206, at bridge on U.S. Route 40, 0.3 mi west of Woodstown, 0.5 mi downstream from Memorial Lake, and 1.8 mi east of Sharptown.

DRAINAGE AREA.--16.8 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 2007-09.

GAGE.--Reference point only.

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
May 5, 2009	35.3

01482505 SALEM RIVER AT U.S. ROUTE 40, AT WOODSTOWN, NJ—Continued

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2007 to current year.

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 2008 TO SEPTEMBER 2009**

Part 1 of 2

[Remark codes: <, less than.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	CBOD, water, unfltrd 5 day, mg/L (80082)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Sus- pended solids, water, unfltrd mg/L (00530)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
May 05...	0945	766	35	9.2	7.3	276	48	<1.0	172	50	40	25.7	1.5

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

Part 2 of 2

[Remark codes: <, less than.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Chloro- phyll a phyto- plank- ton, fluoro, μg/L (70953)	Pheo- phytin a, phyto- plank- 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)
May 05...	.357	2.16	.06	.28	3.6	12.5	19.9	2,200	36	11.4