



Water-Data Report 2009

**01482537 SALEM RIVER AT COURSES LANDING, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°39'38", long 75°24'33" referenced to North American Datum of 1983, Pilesgrove Township, Salem County, NJ, Hydrologic Unit 02040206, at bridge on Pointers-Auburn Road (County Route 646) in Courses Landing, 2.0 mi downstream from Major Run, and 2.4 mi west of Sharptown.

DRAINAGE AREA.--35.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurement, 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	53.4

## 01482537 SALEM RIVER AT COURSES LANDING, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-79, 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: &lt;, less than.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	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 unfl- trd μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	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)
May 05...	1100	765	14.0	53	6.3	61	6.9	253	14.1	35	<1.0	155	37

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

Part 2 of 2

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

Date	ANC, wat unfl- xed 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)	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...	46	23.1	1.1	.268	1.62	.07	.27	2.7	6.4	10.1	2,730	29	9.1