



Water-Data Report 2009

01482519 SALEM RIVER AT MAIN STREET, AT SHARPTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°39'15", long 75°21'52" referenced to North American Datum of 1983, Pilesgrove Township, Salem County, NJ, Hydrologic Unit 02040206, at bridge on Main Street, 0.1 mi south of Sharptown, 0.2 mi downstream from Nichomus Run, and 0.8 mi southwest of Marlton Heights.

DRAINAGE AREA.--27.1 mi².

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**

Date	Discharge, in ft³/s
May 5, 2009	82.0

01482519 SALEM RIVER AT MAIN STREET, AT SHARPTOWN, NJ—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--July and August 2008.

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 ³ /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, deg C (00010)	Turbdty white light, 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)
May 05...	1200	766	82	9.0	87	7.2	244	13.9	40	<1.0	161	45	39

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

[Remark codes: <, less than.]

Date	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...	22.7	1.3	.256	1.62	.06	.31	2.9	11.4	19.2	2,770	23	10.6