

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 year 2007.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s
Jul 9, 2007	9.09
Jul 24, 2007	6.52
Aug 14, 2007	5.98
Aug 22, 2007	21.1
Sep 24, 2007	5.22

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to September 2007.

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 2006 TO SEPTEMBER 2007

Part 1 of 2

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

Date	Time	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	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, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
Jul													
09...	1130	9.1	11	759	7.2	85	7.2	321	31.5	23.7	62	32.1	181
24...	1150	6.5	9.3	765	8.3	91	7.2	346	25.5	19.3	70	34.6	208
Aug													
14...	1300	6.0	7.5	763	6.9	78	7.3	349	28.0	21.4	74	34.9	218
22...	1230	22	16	764	7.5	80	7.3	303	25.0	18.3	57	25.9	176
Sep													
24...	1100	5.2	6.4	763	7.7	81	7.3	376	25.0	17.1	68	--	219

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 2

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

Date	Residue total non- filter- able, mg/L (00530)	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)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	CBOD, water, unfltrd 5 day, mg/L (80082)	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Boron, water, unfltrd recover -able, µg/L (01022)	Iron, water, unfltrd recover -able, µg/L (01045)
Jul													
09...	9	.84	.096	2.21	3.1	.056	.178	6.0	E1.0	21.7	10.0	72	1,000
24...	4	.55	.071	2.36	2.9	.088	.183	5.5	<1.0	1.3	1.7	94	1,220
Aug													
14...	6	.54	.073	2.38	2.9	.088	.172	5.0	<1.0	1.2	1.8	91	1,100
22...	12	1.0	.346	1.28	2.3	.069	.190	7.3	<1.0	9.0	7.7	33	1,440
Sep													
24...	2	.58	.042	3.27	3.8	.063	.145	4.9	<1.0	1.1	1.9	126	1,040