



Water-Data Report 2006

**01367700 WALKILL RIVER AT FRANKLIN, NJ**

HUDSON RIVER BASIN

LOCATION.--Lat 41°06'43", long 74°35'20" referenced to North American Datum of 1983, Sussex County, NJ, Hydrologic Unit 02020007, at bridge on Franklin Avenue (County Route 631) in Franklin, 100 ft downstream of Franklin Pond, and 0.5 mi northeast of State Route 23.

DRAINAGE AREA.--29.4 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1959-63, 1976-91, 2004 to current year.

REMARKS.--

COOPERATIVE NETWORK SITE DESCRIPTOR: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 3

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

Date	Time	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, of sat- uration mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- trd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, ug/L (01000)
May 17...	1045	3.7	741	8.4	82	7.8	402	19.0	13.0	120	29.1	10.3	1.2

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 3

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

Date	Arsenic water unfltrd ug/L (01002)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, fltrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover- able, ug/L (01042)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
May 17...	1.8	<.04	.04	.09	.35	1.1	1.6	E.06	.70	<.010	<.010	0.34	.48

**01367700 WALLKILL RIVER AT FRANKLIN, NJ—Continued**

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 3 of 3

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

<b>Date</b>	<b>Selen- ium, water, ftrd, ug/L (01145)</b>	<b>Selen- ium, water, unftrd ug/L (01147)</b>	<b>Zinc, water, ftrd, ug/L (01090)</b>	<b>Zinc, water, unftrd recover- able, ug/L (01092)</b>
<b>May 17...</b>	.08	.11	12.2	33