



Water-Data Report 2006

01367729 WALKILL RIVER AT ROUTE 94, AT HAMBURG, NJ

HUDSON RIVER BASIN

LOCATION.--Lat 41°09'09", long 74°34'55" referenced to North American Datum of 1983, Hamburg Borough, Sussex County, NJ, Hydrologic Unit 02020007, at bridge on State Route 94 in Hamburg, 0.3 mi west from intersection with State Route 23, 1.0 mi downstream from unnamed lake in Hamburg, and 2.5 mi north of Franklin.

DRAINAGE AREA.--46.8 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 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 NJ 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	Sample type	Turbidity white light, 90+/-30 correctd 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. conduc- tance, wat unf 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)
May												
17...	1100	Field Blank	--	--	--	--	--	--	--	--	--	<.02
17...	1130	Environmental	5.7	740	9.8	97	8.3	376	19.9	13.8	130	31.3

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

Part 2 of 3

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

Date	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, ug/L (01000)	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)
May													
17...	<.008	<.12	--	<.04	--	E.02	--	<.4	--	<.08	--	<.010	--
17...	11.7	1.0	1.7	<.04	.05	.16	.52	1.1	1.7	E.07	1.18	<.010	<.010

01367729 WALLKILL RIVER AT ROUTE 94, AT HAMBURG, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

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

Date	Nickel, water, recovered, filtered, ug/L (01065)	Nickel, water, unfiltered, ug/L (01067)	Selen- ium, water, filtered, ug/L (01145)	Selen- ium, water, unfiltered, ug/L (01147)	Zinc, water, filtered, ug/L (01090)	Zinc, water, unfiltered, recovered, ug/L (01092)
May						
17...	<.06	--	<.08	--	<.6	--
17...	0.98	.69	.09	.11	4.5	36