



Water-Data Report 2006

01443441 PAULINS KILL AT COUNTY ROUTE 626, AT BALESVILLE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 41°06'13", long 74°45'28" referenced to North American Datum of 1983, Hampton Township, Sussex County, NJ, Hydrologic Unit 02040105, at bridge on County Route 626 (Halsey Myrtle Grove Road), 0.2 mi southwest of Balesville, 2.6 mi upstream of Paulins Kill Lake.

DRAINAGE AREA.--67.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001-02, 2005-06.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Discharge, in ft³/s
Oct 18, 2005	210
Jan 23, 2006	369
Apr 19, 2006	53.0
Jul 24, 2006	81.0

01443441 PAULINS KILL AT COUNTY ROUTE 626, AT BALESVILLE, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2006.

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 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. 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												
19...	0830	Field Blank	--	--	--	--	--	--	--	--	--	E.01
19...	0900	Environmental	5.3	735	8.1	83	7.9	410	16.0	14.9	130	35.3

**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													
19...	<.008	<.12	--	<.04	--	.04	--	<.4	--	<.08	--	<.010	--
19...	10.9	.67	.82	<.04	E.02	.15	.53	1.3	1.6	.13	.70	<.010	<.010

01443441 PAULINS KILL AT COUNTY ROUTE 626, AT BALESVILLE, 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, unfltrd	Nickel, water, recover- able,	Selen- ium, water, fltrd,	Selen- ium, water, unfltrd	Zinc, water, fltrd,	Zinc, water, unfltrd
	ug/L (01065)	ug/L (01067)	ug/L (01145)	ug/L (01147)	ug/L (01090)	ug/L (01092)
May						
19...	<.06	--	<.08	--	E.5	--
19...	0.53	.96	.14	.17	2.8	4