



Water-Data Report 2006

01401600 BEDEN BROOK NEAR ROCKY HILL, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°24'52", long 74°39'01" referenced to North American Datum of 1983, Somerset County, NJ, Hydrologic Unit 02030105, on downstream right wingwall of bridge on U.S. Route 206, 0.7 mi upstream from Pike Run, 1.2 mi northwest of Rocky Hill, and 4.6 mi north of Princeton.

DRAINAGE AREA.--27.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

GAGE.--Crest-stage gage. Datum of gage is 38.09 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,300 ft³/s, Sep 16, 1999, gage height, 18.61 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 7,450 ft³/s, Oct 9, gage height, 13.45 ft.

01401600 BEDEN BROOK NEAR ROCKY HILL, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-63, 1976-97, 2001, 2004, 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 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	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, of sat- uration percent (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat un- f 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...	0900	Field Blank	--	--	--	--	--	--	--	--	--	<.02
17...	0930	Environmental	9.4	751	9.1	87	7.7	194	16.4	12.8	55	13.4

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	--	<.04	--	E.2	--	<.08	--	<.010	--
17...	5.24	.72	.93	<.04	E.02	.25	.54	4.0	3.5	.14	.55	<.010	<.010

01401600 BEDEN BROOK NEAR ROCKY HILL, 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						
17...	<.06	--	<.08	--	<.6	--
17...	1.01	1.02	.17	.20	2.2	3