



Water-Data Report 2006

01378385 TENAKILL BROOK AT CLOSTER, NJ

HACKENSACK RIVER BASIN

LOCATION.--Lat 40°58'29", long 73°58'04" referenced to North American Datum of 1983, Closter Borough, Bergen County, NJ, Hydrologic Unit 02030103, on downstream left wingwall of bridge on High Street in Closter, 0.7 mi upstream from mouth, and 1.7 mi east of Oradell Reservoir.

DRAINAGE AREA.--8.56 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1964-73, 1975, 1978, 1982, 1985, 1987-89, 1991-93, 1996-97, 1999-2000, 2002-06. Annual maximum, water years 1965 to current year.

GAGE.--Crest-stage gage. Datum of gage is 23.85 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,300 ft³/s, Sep 16, 1999, gage height, 6.30 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 746 ft³/s, Oct 12, gage height, 3.81 ft.

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

Date	Discharge, in ft³/s
Jun 22, 2006	9.02
Jul 28, 2006	10.6

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 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	Turbidity 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 std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, 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)	Arsenic water unfltrd ug/L (01002)
Jun 05...	1230	4.4	760	5.4	56	7.5	482	16.8	150	46.6	8.27	.71	1.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 3

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

Date	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, fltrd, ug/L (01030)	Chrom- ium, water, recover- able, ug/L (01034)	Copper, water, fltrd, ug/L (01040)	Copper, water, recover- able, ug/L (01042)	Lead, water, fltrd, ug/L (01049)	Lead, water, recover- able, ug/L (01051)	Mercury water, fltrd, ug/L (71890)	Mercury water, recover- able, ug/L (71900)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, recover- able, ug/L (01067)	Selen- ium, water, fltrd, ug/L (01145)
Jun 05...	<.04	E.02	.28	.54	2.6	3.7	.17	1.33	<.010	E.006	0.79	1.12	.27

01378385 TENAKILL BROOK AT CLOSTER, NJ—Continued

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

Part 3 of 3

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

Date	Selen- ium, water, unfltrd ug/L (01147)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)
Jun 05...	.25	2.9	4