



Water-Data Report 2007

01391050 HOHOKUS BROOK AT GROVE STREET, AT RIDGEWOOD, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°58'02", long 74°06'35" referenced to North American Datum of 1983, Ridgewood Village, Bergen County, NJ, Hydrologic Unit 02030103, at bridge on Grove Street, 0.8 mi south of Ridgewood, 0.9 mi northeast of Glen Rock, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--18.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water year 2007.

GAGE.--Reference point only.

REMARKS.--Flow includes some sewage effluent.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s
Jul 19, 2007	54.0
Aug 1, 2007	26.5
Sep 17, 2007	15.4

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to September 2007.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

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

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Turbdty 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- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
Jul 19...	0910	Environmental	54	9.4	758	10.3	118	7.5	458	23.0	21.8	67
Aug 01...	1300	Environmental	27	2.1	759	10.3	123	8.1	800	29.0	23.9	111
Sep 17...	1020	Environmental	15	1.2	770	9.3	95	7.5	941	14.0	16.6	105
17...	1021	Replicate	--	--	--	--	--	--	--	--	--	105

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3

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

Date	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat fit mg/L (70300)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Boron, water, unfltrd recover- able, µg/L (01022)
Jul 19...	79.9	270	11	.62	.059	2.72	3.3	.42	.48	6.6	3.7	3.4	56
Aug 01...	144	467	1	.50	<.040	6.42	6.9	1.26	1.27	4.9	3.7	2.9	137
Sep 17...	175	556	1	.61	E.014	13.3	14	1.92	1.96	4.5	1.0	1.3	212
17...	174	539	<1	.63	<.020	13.1	14	1.92	1.95	4.7	1.0	1.4	212

01391050 HOHOKUS BROOK AT GROVE STREET, AT RIDGEWOOD, NJ—Continued**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006
TO SEPTEMBER 2007**

Part 3 of 3

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

Date	Iron, water, unfiltrd recover -able, µg/L (01045)
Jul	
19...	397
Aug	
01...	102
Sep	
17...	73
17...	71