01391100 HOHOKUS BROOK AT MOUTH, AT PARAMUS, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°57′19″, long 74°06′02″ referenced to North American Datum of 1983, Glen Rock Borough, Bergen County, NJ, Hydrologic Unit 02030103, 350 ft upstream from mouth, 1.7 mi east of Glen Rock, and 1.7 mi northwest of Paramus.

DRAINAGE AREA.--20.2 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998, 2001-02, 2007-08.

GAGE.--Reference point only.

REMARKS.--Flow includes some sewage effluent.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft^3/s
Oct 9, 2007	22.8
Feb 19, 2008	110
Apr 1, 2008	79.2
Apr 28, 2008	57.4
Jun 25, 2008	28.4
Jul 17, 2008	23.4
Jul 24, 2008	134
Aug 5, 2008	23.6
Aug 21, 2008	22.8
Aug 26, 2008	24.4
Sep 8, 2008	69.5
Sep 18, 2008	35.9

01391100 HOHOKUS BROOK AT MOUTH, AT PARAMUS, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998, 2001, 2007 to current year.

PERIOD OF DAILY RECORD.--July and August 2008.

REMARKS.--The accuracy of continuous water-quality data is routinely verified through inspections for fouling and calibration drift. The New Jersey Water Science Center requires that either constant or prorated adjustments be made to the continuous water-quality record when the difference between a sensor's response and a known value exceeds the following criteria: Water Temperature, 0.2 degrees Celsius (+ or -); Specific Conductance, the greater of 5 microsiemens/cm (+ or -) or 3% of the measured value; Dissolved Oxygen, the greater of 0.3 mg/L (+ or -) or 5% of the measured value; pH, 0.3 units (+or-). If the difference between a sensor's response and a known value is within specified criteria, the data are considered to be reliable and are not adjusted. Data from the following period(s) were adjusted - SPECIFIC CONDUCTANCE: Jul 9-14 and Aug 11-13; DISSOLVED OXYGEN: Jul 9-14 and Aug 9-13.

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 2007 TO SEPTEMBER 2008
Part 1 of 3
[QC, quality control sample. Remark codes: <, less than.]

Date	Time	Sample medium and type	Instantaneous discharge, ft3/s (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)
Oct									
09...	1320	Surface water, regular	23	1.1	755	7.4	84	7.4	1,020
Feb									
19...	1310	Surface water, regular	110	4.9	755	11.4	95	7.6	807
Apr									
01...	1450	Surface water, regular	79	3.0	756	12.8	119	8.0	882
28...	1100	Surface water, regular	57	2.7	756	8.2	81	7.4	870
Jun									
25...	0950	Surface water, regular	28	2.1	764	7.4	82	7.4	898
Jul									
17...	1150	Surface water, regular	23	1.9	764	10.1	119	7.6	951
24...	1315	Surface water, regular	134	13	758	8.2	96	7.6	465
Aug									
05...	1200	Surface water, regular	24	2.6	753	9.8	116	7.7	906
21...	1150	Surface water, regular	23	1.5	765	10.2	116	7.8	974
Sep									
08...	1010	Surface water, replicate	70	4.5	763	7.9	88	7.5	551
08...	*1011*	*QC - Surface water, split replicate*	--	--	--	--	--	--	--
18...	1200	Surface water, regular	36	1.6	765	8.8	97	7.5	862

01391100 HOHOKUS BROOK AT MOUTH, AT PARAMUS, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 3
[QC, quality control sample. Remark codes: <, less than.]

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitrogen, water, unfltrd mg/L (00600)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	Organic carbon, water, unfltrd mg/L (00680)
Oct													
09...	17.0	21.4	114	--	584	6	1.0	.068	15.7	17	2.98	2.96	7.7
Feb													
19...	3.0	7.3	77	181	423	6	.78	.037	3.57	4.3	.43	.52	6.5
Apr													
01...	19.0	11.8	109	178	501	5	.81	.052	5.74	6.6	.75	.77	5.9
28...	11.0	13.7	119	166	529	5	1.1	.138	7.45	8.6	1.04	1.13	6.9
Jun													
25...	24.0	20.5	117	157	516	6	1.3	.388	8.97	10	1.80	1.85	7.0
Jul													
17...	32.0	23.6	109	177	565	4	.87	.053	11.8	13	2.50	2.39	6.4
24...	27.0	23.1	65	83.9	322	21	.87	.055	3.09	4.0	.57	.71	7.7
Aug													
05...	27.0	23.4	110	170	519	<1	.81	.044	10.3	11	1.98	2.13	5.9
21...	--	21.6	118	178	554	7	.80	.048	13.5	14	2.37	2.22	6.2
Sep													
08...	22.5	21.0	80	99.1	309	6	.85	.085	2.96	3.8	.56	.58	7.4
08...	--	--	*80*	*99.3*	*319*	*3*	*.87*	*.084*	*3.27*	*4.1*	*.57*	*.60*	*7.9*
18...	23.0	19.9	105	154	521	3	.90	.081	11.3	12	1.70	1.76	5.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 3
[QC, quality control sample. Remark codes: <, less than.]

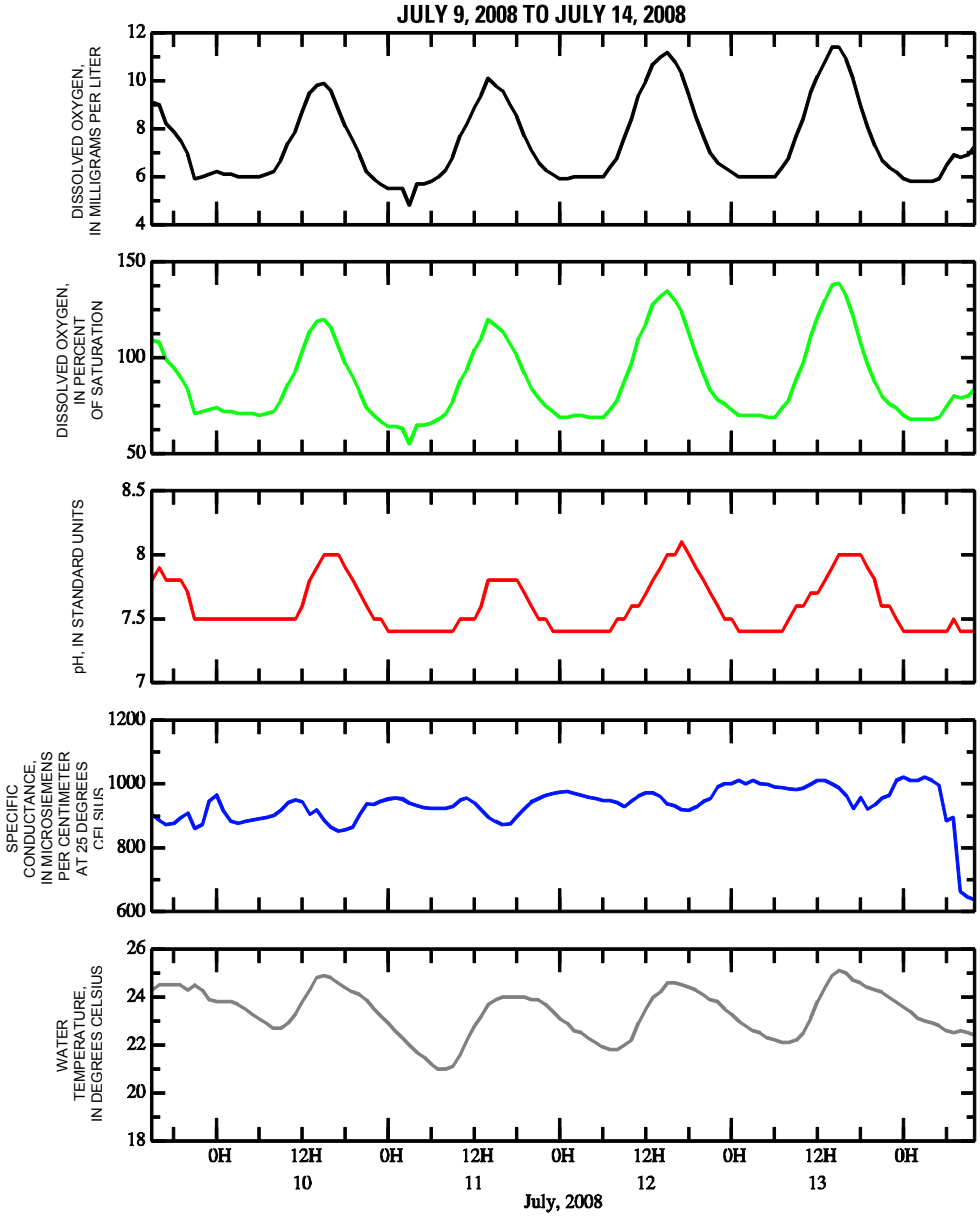
Date	Chloro-phyll a phyto-plank-ton, fluoro, µg/L (70953)	Pheo-phytin a, phyto-plank-ton, µg/L (62360)	Boron, water, unfltrd recover-able, µg/L (01022)	Iron, water, unfltrd recover-able, µg/L (01045)
Oct				
09...	1.3	1.3	260	69
Feb				
19...	4.3	1.9	68	262
Apr				
01...	20.8	11.5	103	150
28...	21.5	20.4	141	173
Jun				
25...	1.2	1.7	159	139
Jul				
17...	2.1	1.7	190	110
24...	8.6	6.7	67	540
Aug				
05...	2.0	1.9	185	99
21...	2.1	1.9	191	70
Sep				
08...	4.2	2.1	85	200
08...	*3.9*	*2.1*	*83*	*201*
18...	1.6	1.0	144	106

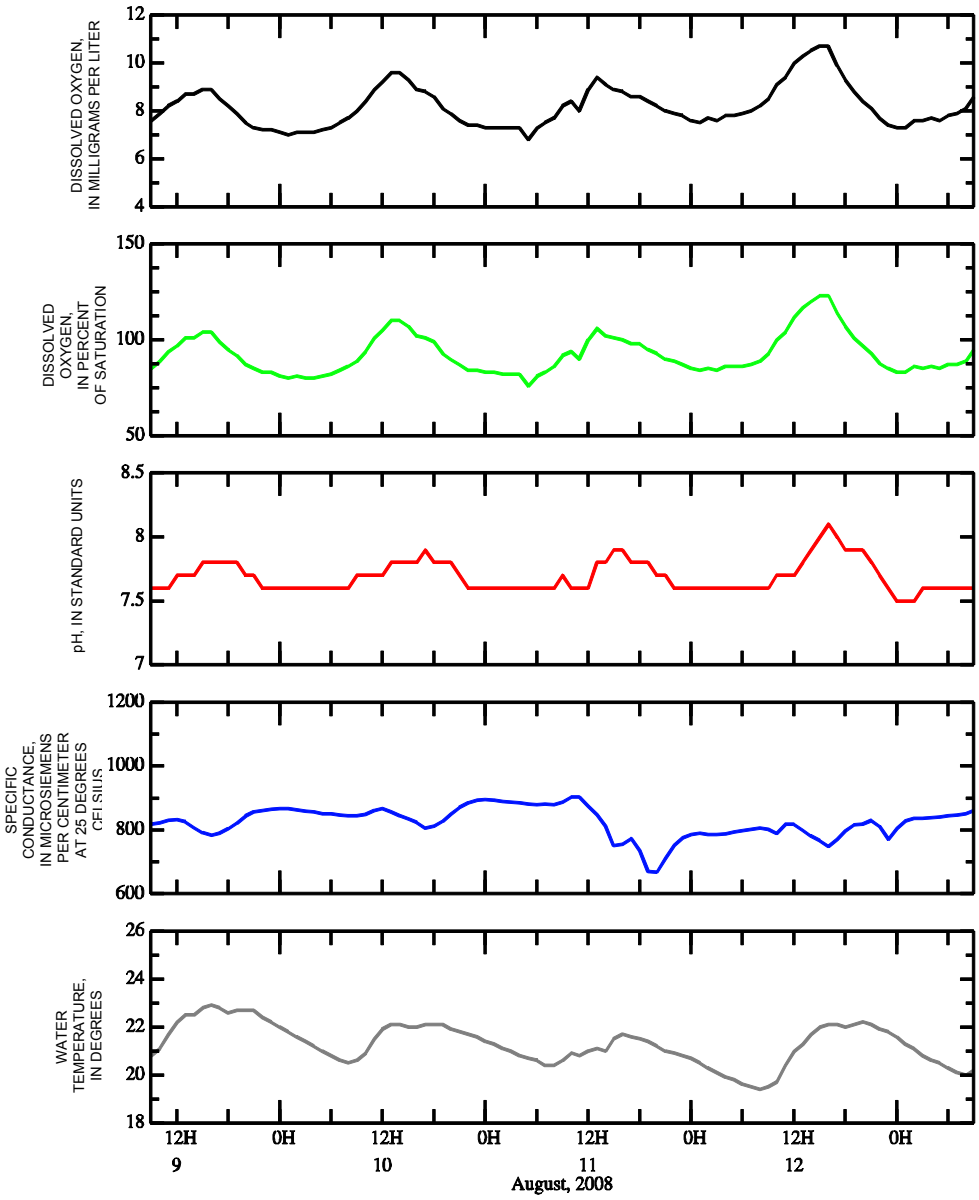
WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[Remark codes: <, less than.]

Date	Time	Phos-phorus, bed sedimnt total, mg/kg as P (00668)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)
Sep					
23...	1120	220	3.2	<.2	3.0
25...	1230	240	3.3	<.2	3.2

01391100 HOHOKUS BROOK AT MOUTH, AT PARAMUS, NJ—Continued

HOURLY WATER-QUALITY-MONITOR VALUES
JULY 9, 2008 TO JULY 14, 2008



01391100 HOHOKUS BROOK AT MOUTH, AT PARAMUS, NJ—Continued

HOURLY WATER-QUALITY-MONITOR VALUES
AUGUST 9, 2008 TO AUGUST 13, 2008