

Water-Data Report 2007

01390700 HOHOKUS BROOK AT WYCKOFF, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°01'25", long 74°10'04" referenced to North American Datum of 1983, Wyckoff Township, Bergen County, NJ, Hydrologic Unit 02030103, at bridge on Wyckoff Avenue, 1.0 mi north of Wyckoff, 1.2 mi upstream from Valentine Brook, and 2.5 mi south of Ramsey.

DRAINAGE AREA.--5.31 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1963-67, 2002. Miscellaneous measurements, water year 2007.

GAGE.--Reference point only.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

| Date | Discharge, in ft³/s |
|--------------|---|
| Jul 17, 2007 | 4.25 |
| Jul 19, 2007 | 12.8 |
| Aug 1, 2007 | 5.41 |
| Sep 17, 2007 | 3.47 |

01390700 HOHOKUS BROOK AT WYCKOFF, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1965, 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

| Date | Time | Sample type | Instantaneous discharge, cfs (00061) | Turbidity white light, 90+/-30 corrected 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 unfltrd 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410) |
|------------|------|---------------|--------------------------------------|---|------------------------------------|--------------------------------|---|---|---|---------------------------------|-----------------------------------|---|
| Jul | | | | | | | | | | | | |
| 17... | 1200 | Environmental | 4.3 | 3.2 | 752 | 7.7 | 93 | 7.9 | 706 | 22.5 | 24.7 | 127 |
| 19... | 1410 | Environmental | 13 | 3.2 | 750 | 7.7 | 92 | 7.7 | 544 | 25.0 | 24.2 | 102 |
| 19... | 1411 | Replicate | -- | -- | -- | -- | -- | -- | -- | -- | -- | 102 |
| Aug | | | | | | | | | | | | |
| 01... | 1015 | Environmental | 5.4 | 2.0 | 759 | 9.2 | 112 | 8.0 | 639 | 24.0 | 25.1 | 120 |
| Sep | | | | | | | | | | | | |
| 17... | 1020 | Environmental | 3.5 | 2.6 | 765 | 9.0 | 91 | 7.8 | 723 | -- | 16.0 | 145 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

| Date | 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 (00666) | Phosphorus, water, unfltrd mg/L (00665) | Organic carbon, water, unfltrd mg/L (00680) | Chlorophyll a phytoplankton, fluoro, µg/L (70953) | Phaeophytin a, phytoplankton, µg/L (62360) | Boron, water, unfltrd recoverable, µg/L (01022) |
|------------|--------------------------------------|--|--|---|---|---|---|--|---|---|---|--|---|
| Jul | | | | | | | | | | | | | |
| 17... | 132 | 454 | 5 | .52 | .044 | .67 | 1.2 | .011 | .049 | 5.1 | 4.5 | 3.2 | 50 |
| 19... | 101 | 320 | 2 | .57 | .078 | .62 | 1.2 | .034 | .081 | 6.0 | 8.3 | 4.9 | 53 |
| 19... | 101 | 330 | -- | .58 | .082 | .64 | 1.2 | .035 | .081 | 6.0 | 6.8 | 4.0 | 52 |
| Aug | | | | | | | | | | | | | |
| 01... | 110 | 370 | 1 | .47 | .058 | .65 | 1.1 | .025 | .041 | 5.4 | 3.5 | 3.6 | 54 |
| Sep | | | | | | | | | | | | | |
| 17... | 129 | 416 | 5 | .47 | .094 | 1.01 | 1.5 | .023 | .068 | 5.3 | 7.4 | 6.4 | 54 |

01390700 HOHOKUS BROOK AT WYCKOFF, NJ—Continued

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

Part 3 of 3

| Date | Iron, water, unfiltrd recover -able, µg/L (01045) |
|------------|---|
| Jul | |
| 17... | 188 |
| 19... | 286 |
| 19... | 284 |
| Aug | |
| 01... | 126 |
| Sep | |
| 17... | 216 |