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Water-Data Report 2007

**01398107 HOLLAND BROOK AT READINGTON, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°33'30", long 74°43'48" referenced to North American Datum of 1983, Branchburg Township, Somerset County, NJ, Hydrologic Unit 02030105, on right bank 15 ft downstream from bridge on Old York Road, 0.9 mi southeast of Readington, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--9.00 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Continuous-record gaging station, water years 1978-96. Annual maximum, water years 1999 to current year.

GAGE.--Crest-stage gage. Datum of gage is 77.65 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,150 ft<sup>3</sup>/s, Sep 16, 1999, gage height, 10.67 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 1,150 ft<sup>3</sup>/s, Apr 15, gage height, 7.18 ft.

## 01398107 HOLLAND BROOK AT READINGTON, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979-80, 2007.

REMARKS.--Cooperative Network Site Descriptor: Pesticide Assessment special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Time	Turbidity white light, det ang 90+-30 corrted	Baro- metric pres- sure, NTRU (63676)	Dis- solved oxygen, mm Hg (00025)	pH, dis- solved oxygen, percent of sat- uration mg/L (00300)	water, unfltrd field, std units (00301) (00400)	Specif- ic conduc- tance, μS/cm (00095)	Temper- ature, wat unf degC (00020)	Temper- ature, air, deg C (00010)
Jul 03...	1115	2.1	766	10.7	113	7.9	272	26.0	18.2

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 7

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

1-Naph- thol, water, filtrd	2,6-Di- ethyl- aniline	2Chloro- -2',6'- diethyl	CIAT,	2-Ethyl- -6- methyl-	3,4-Di- chloro- aniline	3,5-Di- chloro- aniline	4-Chloro- 2methyl	Aceto- chlor,	Ala- chlor,	alpha- Endo- sulfan,	Atra- zine,	Azin- phos- methyl
0.7u GF	0.7u GF	wat flt	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,
Date	µg/L (49295)	µg/L (82660)	µg/L (61618)	µg/L (04040)	µg/L (61620)	µg/L (61625)	µg/L (61627)	µg/L (61633)	µg/L (49260)	µg/L (46342)	µg/L (34362)	µg/L (39632)
Jul 03...	<.09	<.006	<.006	E.009	<.010	<.004	<.012	<.005	<.006	<.005	<.011	.009
												<.04

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 7

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

Azin- phos- methyl, water, filtrd	Ben- flur- alin,	Car- baryl,	Carbo- furan,	Chlor- pyrifos	Chlor- pyrifos	cis- Per- methrin	cis- Propi- cone- zole,	Cyana- zine,	Cyflu- thrin,	lambda- Cyhalo- thrin,	Cyper- methrin	DCPA, water,
0.7u GF	0.7u GF	0.7u GF	0.7u GF	µg/L (61636)	µg/L (38933)	0.7u GF	water, filtrd,	water, filtrd,	water, filtrd,	water, filtrd,	water, filtrd,	water, filtrd
Date	µg/L (82686)	µg/L (82673)	µg/L (82680)	µg/L (82674)	µg/L (61636)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61595)	µg/L (61586)	µg/L (82682)
Jul 03...	<.080	<.010	<.060	<.020	<.06	<.005	<.010	E.004	<.018	<.053	<.014	<.046
												<.003

## 01398107 HOLLAND BROOK AT READINGTON, NJ—Continued

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

Part 3 of 7

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

Date	Desulf- inyl- fipro- nil, water, fltrd,  μg/L (62170)	Diazi- non, water, fltrd,  μg/L (39572)	Dicro- tophos, water, fltrd,  μg/L (38454)	Diel- drin, water, fltrd,  μg/L (39381)	Dimeth- oate, water, 0.7u GF  μg/L (82662)	Disulf- oton sulfone water, fltrd,  μg/L (61640)	Disul- foton, water, fltrd,  μg/L (82677)	Endo- sulfan sulfate water, fltrd,  μg/L (61590)	EPTC, water, fltrd,  μg/L (82668)	Ethion monoxon water, fltrd,  μg/L (61644)	Ethion, water, fltrd,  μg/L (82346)	Etho- prop, water, fltrd,  μg/L (82672)	Fenami- phos sulfone water, fltrd,  μg/L (61645)
Jul 03...	<.012	<.005	<.08	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053

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

Part 4 of 7

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

Date	Fenami- phos sulf- oxide, water, fltrd,  μg/L (61646)	Desulf- inyl- fipro- nil Fenami- phos, water, fltrd,  μg/L (61591)	Fipro- nil sulfide Fenami- phos, amide, wat flt  μg/L (62169)	Fipro- nil sulfone water, fltrd,  μg/L (62167)	Fipro- nil sulfone water, fltrd,  μg/L (62168)	Fonofos water, fltrd,  μg/L (62166)	Hexa- zinone, water, fltrd,  μg/L (04095)	Ipro- dione, water, fltrd,  μg/L (04025)	Isofen- phos, water, fltrd,  μg/L (61593)	Mala- xon, water, fltrd,  μg/L (61594)	Mala- xon, water, fltrd,  μg/L (61652)	Meta- laxyl, water, fltrd,  μg/L (39532)	
Jul 03...	<.04	<.03	<.029	<.013	<.024	<.016	<.006	<.026	<.026	<.011	<.039	<.016	.053

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

Part 5 of 7

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

Date	Methi- althon water, fltrd,  μg/L (61598)	Methyl para- thion, water, fltrd,  μg/L (61664)	Methyl para- thion, Metola- chlor, water, fltrd,  μg/L (82667)	Metri- buzin, water, fltrd,  μg/L (39415)	Moli- nate, water, fltrd,  μg/L (82630)	Myclo- butanil water, fltrd,  μg/L (82671)	Oxy- fluor- fen, water, fltrd,  μg/L (61599)	Pendi- meth- alin, water, fltrd,  μg/L (61600)	Phorate water, fltrd,  μg/L (82683)	Phorate water, fltrd,  μg/L (61666)	Phosmet water, fltrd,  μg/L (82664)	Phosmet water, fltrd,  μg/L (61668)	
Jul 03...	<.009	<.02	<.008	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008

## 01398107 HOLLAND BROOK AT READINGTON, NJ—Continued

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

Part 6 of 7

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

Date	Prometon, water, fltrd, μg/L (04037)	Prometryn, water, fltrd, μg/L (04036)	Propyzamide, water, fltrd, 0.7u GF μg/L (82676)	Propanil, water, fltrd, 0.7u GF μg/L (82679)	Propargite, water, fltrd, 0.7u GF μg/L (82685)	Simazine, water, fltrd, 0.7u GF μg/L (04035)	Tebuthiuron, water, fltrd, 0.7u GF μg/L (82670)	Tefluthrin, water, fltrd, 0.7u GF μg/L (61606)	Terbufos, oxon sulfone, water, fltrd, 0.7u GF μg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF μg/L (82675)	Terbutyl-azine, water, fltrd, 0.7u GF μg/L (04022)	Thiobencarb, water, fltrd, 0.7u GF μg/L (82681)	trans- Propiconazole, water, fltrd, μg/L (79847)
Jul 03...	.01	<.006	<.004	<.011	<.02	<.006	<.02	<.003	<.04	<.01	<.01	<.010	E.02

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

Part 7 of 7

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

Date	Tri- flur- phos, water, fltrd, 0.7u GF μg/L (61610)	Di- alalin, water, fltrd, 0.7u GF μg/L (82661)	chlor- vos, water, fltrd, 0.7u GF μg/L (38775)
Jul 03...	<.035	<.009	<.01