

## Water-Data Report 2007

**01398060 FURMANS BROOK AT FURMANS CORNER, NJ**

RARITAN RIVER BASIN

LOCATION.--Lat 40°27'50", long 74°47'09" referenced to North American Datum of 1983, East Amwell Township, Hunterdon County, NJ, Hydrologic Unit 02030105, at bridge on Welisewitz Road, 0.3 mi north of Furmans Corner, 1.4 mi upstream of Neshanic River, and 1.9 mi southeast of Reaville.

DRAINAGE AREA.--5.00 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2003-04, 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<br>white<br>light,<br>det ang<br>90+/-30<br>corrctd | Baro-<br>metric<br>pres-<br>sure,<br>NTRU<br>(63676) | Dis-<br>solved<br>oxygen,<br>oxygen,<br>mm Hg<br>(00025) | Dis-<br>solved<br>percent<br>of sat-<br>uration<br>(00300) | pH,<br>water,<br>unfiltrd<br>field,<br>units<br>(00301) | Specif-<br>ic<br>conduc-<br>tance,<br>μS/cm<br>(00400) | Temper-<br>ature,<br>wat unf<br>atm, air,<br>degC<br>(00095) | Temper-<br>ature,<br>air, water,<br>deg C<br>(00020) | Temper-<br>ature,<br>water,<br>deg C<br>(00010) |
|--------------|------|---|--|--|--|---|--|--|--|---|
| Jul<br>03... | 0900 | .8  | 765  | 8.6  | 87   | 7.1   | 215  | 18.5   | 15.6   |   |

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

Part 1 of 7

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

| Date         | 1-Naph-<br>thol,<br>water,<br>0.7u GF | 2,6-Di-<br>ethyl-<br>aniline<br>water,<br>water,<br>0.7u GF | 2Chloro-<br>-2',6'-<br>diethyl<br>acet-<br>anilide<br>water,<br>wat flt | CIAT,<br>water,<br>water,<br>0.7u GF | 2-Ethyl<br>-6-<br>methyl-<br>aniline<br>water,<br>water,<br>0.7u GF | 3,4-Di-<br>chloro-<br>aniline<br>water,<br>water,<br>0.7u GF | 3,5-Di-<br>chloro-<br>aniline<br>water,<br>water,<br>0.7u GF | 4-Chloro-<br>2methyl<br>phenol,<br>water,<br>water,<br>0.7u GF | Aceto-<br>chlor,<br>water,<br>water,<br>0.7u GF | Ala-<br>chlor,<br>water,<br>water,<br>0.7u GF | alpha-<br>Endo-<br>sulfan,<br>water,<br>water,<br>0.7u GF | Atra-<br>zine,<br>water,<br>water,<br>0.7u GF | Azin-<br>phos-<br>methyl |
|--------------|---------------------------------------|---|---|--------------------------------------|---|--|--|--|---|---|---|---|--------------------------|
| Jul<br>03... | µg/L<br>(49295)                       | µg/L<br>(82660)   | µg/L<br>(61618)   | µg/L<br>(04040)                      | µg/L<br>(61620)   | µg/L<br>(61625)  | µg/L<br>(61627)  | µg/L<br>(61633)  | µg/L<br>(49260)                                 | µg/L<br>(46342)                               | µg/L<br>(34362)   | µg/L<br>(39632)                               | µg/L<br>(61635)          |

|              |      |       |       |       |       |       |       |       |       |       |       |      |      |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Jul<br>03... | <.09 | <.006 | <.006 | E.058 | <.010 | <.004 | <.012 | <.005 | <.006 | <.005 | <.011 | .094 | <.04 |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|

## 01398060 Furmans Brook at Furmans Corner, NJ—Continued

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

Part 2 of 7

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

| Date      | Azin-phos-methyl,<br>water,<br>0.7u GF<br>μg/L<br>(82686) | Ben-flur-alin,<br>water,<br>0.7u GF<br>μg/L<br>(82673) | Car-baryl,<br>water,<br>0.7u GF<br>μg/L<br>(82680) | Carbo-furan,<br>water,<br>0.7u GF<br>μg/L<br>(82674) | Chlor-pyrifos<br>oxon,<br>water,<br>0.7u GF<br>μg/L<br>(61636) | Chlor-pyrifos<br>water,<br>0.7u GF<br>μg/L<br>(38933) | cis-Per-methrin<br>water<br>0.7u GF<br>μg/L<br>(82687) | cis-Propi-conazole,<br>water,<br>0.7u GF<br>μg/L<br>(79846) | Cyana-zine,<br>water,<br>0.7u GF<br>μg/L<br>(04041) | Cyflu-thrin,<br>water,<br>0.7u GF<br>μg/L<br>(61585) | lambda-Cyhalothrin,<br>water,<br>0.7u GF<br>μg/L<br>(61595) | Cyper-methrin<br>water,<br>0.7u GF<br>μg/L<br>(61586) | DCPA,<br>water,<br>0.7u GF<br>μg/L<br>(82682) |
|-----------|---|--|--|--|--|---|--|---|---|--|---|---|---|
| Jul 03... | <.080   | <.010  | <.060  | <.020  | <.06   | <.005   | <.010  | <.013   | <.018   | <.053  | <.014   | <.046   | <.003   |

**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,<br>water,<br>0.7u GF<br>μg/L<br>(62170) | Diazi-non,<br>water,<br>0.7u GF<br>μg/L<br>(39572) | Dicro-tophos,<br>water,<br>0.7u GF<br>μg/L<br>(38454) | Diel-drin,<br>water,<br>0.7u GF<br>μg/L<br>(39381) | Dimeth-oate,<br>water,<br>0.7u GF<br>μg/L<br>(82662) | Disulf-oton,<br>sulfone<br>water,<br>0.7u GF<br>μg/L<br>(61640) | Disul-foton,<br>water,<br>0.7u GF<br>μg/L<br>(82677) | Endo-sulfan,<br>sulfate<br>water,<br>0.7u GF<br>μg/L<br>(61590) | EPTC,<br>water,<br>0.7u GF<br>μg/L<br>(82668) | Ethion,<br>monoxon<br>water,<br>0.7u GF<br>μg/L<br>(61644) | Ethion,<br>water,<br>0.7u GF<br>μg/L<br>(82346) | Etho-prop,<br>water,<br>0.7u GF<br>μg/L<br>(82672) | Fenami-phos sulfone<br>water,<br>0.7u GF<br>μg/L<br>(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 sulfide,<br>water,<br>0.7u GF<br>μg/L<br>(61646) | Desulf-inyl-fipro-nil,<br>water,<br>0.7u GF<br>μg/L<br>(61591) | Fipro-nil,<br>sulfide<br>water,<br>0.7u GF<br>μg/L<br>(62169) | Fipro-nil,<br>sulfone<br>water,<br>0.7u GF<br>μg/L<br>(62167) | Fipro-nil,<br>water,<br>0.7u GF<br>μg/L<br>(62168) | Fipro-nil,<br>water,<br>0.7u GF<br>μg/L<br>(62166) | Fonofos<br>water,<br>0.7u GF<br>μg/L<br>(04095) | Hexa-zinone,<br>water,<br>0.7u GF<br>μg/L<br>(04025) | Ipro-dione,<br>water,<br>0.7u GF<br>μg/L<br>(61593) | Isofen-phos,<br>water,<br>0.7u GF<br>μg/L<br>(61594) | Mala-oxon,<br>water,<br>0.7u GF<br>μg/L<br>(61652) | Mala-thion,<br>water,<br>0.7u GF<br>μg/L<br>(39532) | Metaxyl,<br>water,<br>0.7u GF<br>μg/L<br>(61596) |
|-----------|--|--|---|---|--|--|---|--|---|--|--|---|--|
| Jul 03... | <.04   | <.03   | <.029   | <.013   | <.024  | <.016  | <.006   | <.026  | <.026   | <.011  | <.039  | <.016   | <.007  |

Water-Data Report 2007

**01398060 Furmans Brook at Furmans Corner, NJ—Continued**

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

Part 5 of 7

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

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

Part 6 of 7

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

|              | Prome-ton,<br>water,<br>fltrd,<br>Date<br>µg/L<br>(404037) | Prome-tryn,<br>water,<br>fltrd,<br>fltrd,<br>µg/L<br>(404036) | Propy-zamide,<br>water,<br>fltrd,<br>0.7u GF<br>µg/L<br>(82676) | Propanil,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82679) | Propar-gite,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82685) | Sima-zine,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82685) | Tebu-thiuron,<br>water,<br>fltrd<br>0.7u GF<br>µg/L<br>(82670) | Teflu-thrin,<br>water,<br>fltrd,<br>fltrd,<br>µg/L<br>(61606) | Ter-bufos,<br>oxon<br>sulfone<br>water,<br>fltrd,<br>0.7u GF<br>µg/L<br>(61674) | Terbu-fos,<br>water,<br>fltrd,<br>0.7u GF<br>µg/L<br>(82675) | Ter-butyl-azine,<br>water,<br>fltrd,<br>0.7u GF<br>µg/L<br>(04022) | Thio-bencarb,<br>water,<br>fltrd,<br>0.7u GF<br>µg/L<br>(82681) | trans-Propi-conazole,<br>water,<br>fltrd,<br>fltrd,<br>µg/L<br>(79847) |
|--------------|--|---|---|--|---|---|--|---|---|--|--|---|--|
| Jul<br>03... | <01  | <.006   | <.004   | <.011  | <.02  | E.004   | <.02   | <.003   | <.04  | <.01   | <.01   | <.010   | <.03   |

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

Part 7 of 7

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

|              | Tribu-<br>phos,<br>water,<br>filtrd, | Tri-<br>flur-<br>alin,<br>water,<br>filtrd | Di-<br>chlor-<br>vos,<br>water,<br>filtrd, |
|--------------|--------------------------------------|--|--|
| Date         | µg/L<br>(61610)                      | µg/L<br>(82661)                            | µg/L<br>(38775)                            |
| Jul<br>03... | <035                                 | <.009                                      | <.01                                       |