

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA
(National Water-Quality Assessment Station)

LOCATION.--Lat 40°09'05", long 75°36'06", Chester County, Hydrologic Unit 02040203, on right bank 70 ft downstream from two-span county bridge on French Creek Road, 4.5 mi northwest of Phoenixville, and 7.3 mi upstream from mouth.

DRAINAGE AREA.--59.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 160 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Nov. 7, 1968, nonrecording gage at site 70 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 750 ft³/s and maximum (*):

| Date | Time | Discharge ft ³ /s | Gage Height (ft) | Date | Time | Discharge ft ³ /s | Gage Height (ft) |
|---------|------|---------------------------------|---------------------|----------|------|---------------------------------|---------------------|
| Dec. 20 | 1230 | 827 | 6.79 | June 21 | 0000 | *5,420 | *10.99 |
| Feb. 22 | ---- | 1,190 | Ice jam | Sept. 15 | 1215 | 3,460 | 9.70 |
| Mar. 20 | 2315 | 1,020 | 7.11 | Sept. 19 | 0500 | 838 | 6.81 |
| May 26 | 1045 | 920 | 6.95 | Sept. 23 | 1015 | 1,510 | 7.81 |
| June 4 | 1100 | 1,620 | 7.95 | | | | |

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1 | 15 | 78 | 49 | 278 | e54 | 88 | 129 | 70 | 426 | 109 | 65 | 35 |
| 2 | 13 | 56 | 45 | 370 | e54 | 262 | 121 | 69 | 168 | 103 | 62 | 149 |
| 3 | 12 | 45 | 41 | 223 | e55 | 354 | 111 | 65 | 103 | 104 | 66 | 114 |
| 4 | 18 | 39 | e35 | 286 | e75 | 153 | 106 | 62 | 1080 | 100 | 163 | 155 |
| 5 | 24 | 36 | e32 | 159 | e65 | 223 | 110 | 62 | 482 | 92 | 84 | 105 |
| 6 | 17 | 75 | e32 | 140 | e60 | 534 | 102 | 63 | 216 | 100 | 125 | 58 |
| 7 | 14 | 57 | e32 | 126 | e56 | 261 | 101 | 63 | 319 | 95 | 69 | 47 |
| 8 | 12 | 44 | e31 | 121 | e55 | 171 | 120 | 82 | 338 | 90 | 62 | 42 |
| 9 | 11 | 38 | e31 | 128 | e54 | 374 | 175 | 72 | 196 | 82 | 63 | 39 |
| 10 | 13 | 34 | e55 | 116 | e53 | 279 | 173 | 69 | 153 | 83 | 418 | 35 |
| 11 | 250 | 43 | e200 | 99 | e52 | 146 | 300 | 64 | 132 | 90 | 127 | 35 |
| 12 | 190 | 138 | 511 | e75 | e50 | 182 | 264 | 60 | 123 | 81 | 103 | 33 |
| 13 | 57 | 187 | 232 | e67 | e48 | 273 | 156 | 55 | 227 | 71 | 71 | 103 |
| 14 | 34 | 76 | 552 | e59 | e45 | 261 | 132 | 53 | 230 | 68 | 64 | 129 |
| 15 | 26 | 57 | 222 | e53 | e44 | 217 | 117 | 50 | 186 | 66 | 55 | 1570 |
| 16 | 214 | 91 | 135 | e47 | e46 | 252 | 111 | 51 | 125 | 63 | 52 | 407 |
| 17 | 177 | 426 | 103 | e45 | e100 | 294 | 103 | 63 | 109 | 59 | 55 | 142 |
| 18 | 58 | 323 | 85 | e45 | e190 | 208 | 104 | 55 | 176 | 57 | 48 | 102 |
| 19 | 40 | 123 | 80 | e43 | e150 | 155 | 104 | 52 | 136 | 62 | 45 | 491 |
| 20 | 34 | 86 | 329 | e42 | e115 | 328 | 95 | 47 | 1370 | 55 | 42 | 156 |
| 21 | 29 | 73 | 182 | e40 | e105 | 649 | 91 | 60 | 2130 | 54 | 41 | 108 |
| 22 | 25 | 85 | 112 | e38 | e475 | 239 | 98 | 57 | 461 | 230 | 40 | 93 |
| 23 | 22 | 79 | 95 | e36 | e875 | 176 | 89 | 53 | 306 | 261 | 38 | 696 |
| 24 | 21 | 62 | 84 | e36 | e480 | 153 | 82 | 73 | 226 | 92 | 35 | 241 |
| 25 | 21 | 55 | 219 | e35 | e215 | 139 | 78 | 84 | 187 | 69 | 34 | 137 |
| 26 | 61 | 51 | 206 | e35 | e145 | 136 | 109 | 460 | 165 | 60 | 34 | 124 |
| 27 | 48 | 62 | 131 | e38 | 113 | 166 | 100 | 171 | 149 | 56 | 36 | 118 |
| 28 | 33 | 64 | 107 | e46 | 98 | 126 | 82 | 99 | 133 | 53 | 35 | 205 |
| 29 | 31 | 53 | 98 | e50 | --- | 140 | 77 | 80 | 125 | 51 | 33 | 131 |
| 30 | 165 | 51 | 93 | e55 | --- | 209 | 73 | 67 | 118 | 47 | 35 | 99 |
| 31 | 227 | --- | 106 | e53 | --- | 183 | --- | 63 | --- | 49 | 34 | --- |
| TOTAL | 1912 | 2687 | 4265 | 2984 | 3927 | 7331 | 3613 | 2494 | 10295 | 2652 | 2234 | 5899 |
| MEAN | 61.7 | 89.6 | 138 | 96.3 | 140 | 236 | 120 | 80.5 | 343 | 85.5 | 72.1 | 197 |
| MAX | 250 | 426 | 552 | 370 | 875 | 649 | 300 | 460 | 2130 | 261 | 418 | 1570 |
| MIN | 11 | 34 | 31 | 35 | 44 | 88 | 73 | 47 | 103 | 47 | 33 | 33 |
| CFM | 1.04 | 1.52 | 2.33 | 1.63 | 2.37 | 4.00 | 2.04 | 1.36 | 5.81 | 1.45 | 1.22 | 3.33 |
| IN. | 1.20 | 1.69 | 2.68 | 1.88 | 2.47 | 4.61 | 2.27 | 1.57 | 6.48 | 1.67 | 1.41 | 3.71 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 48.3 | 69.2 | 97.8 | 106 | 121 | 145 | 134 | 104 | 83.1 | 59.0 | 39.8 | 52.0 |
| MAX | 180 | 166 | 328 | 394 | 266 | 350 | 306 | 250 | 353 | 258 | 110 | 214 |
| (WY) | 1997 | 1973 | 1997 | 1979 | 1984 | 1994 | 1983 | 1989 | 1972 | 1984 | 1971 | 1999 |
| MIN | 16.7 | 17.3 | 19.2 | 13.7 | 24.8 | 40.5 | 35.6 | 31.9 | 22.2 | 11.1 | 11.7 | 14.1 |
| (WY) | 2002 | 2002 | 2002 | 1981 | 2002 | 1981 | 1985 | 1969 | 1999 | 1999 | 2002 | 1980 |

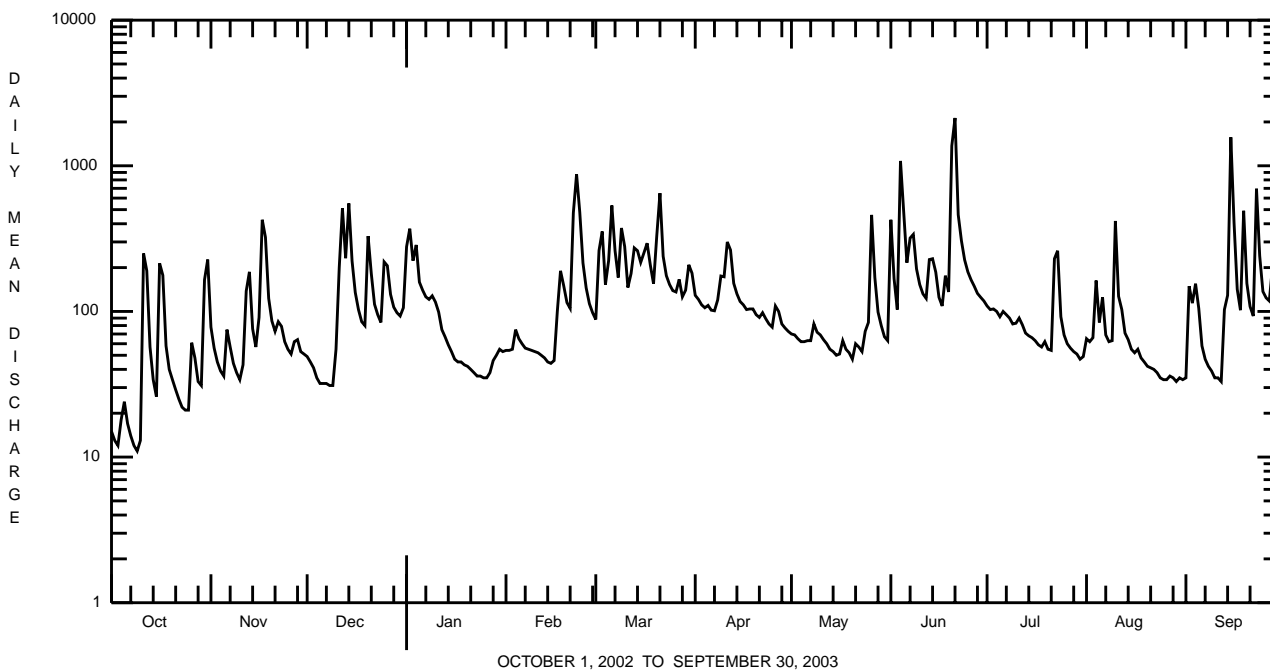
e Estimated.

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | | FOR 2003 WATER YEAR | | | WATER YEARS 1969 - 2003 | | |
|--------------------------|------------------------|--------|--|---------------------|------------|--|-------------------------|-------------|--|
| ANNUAL TOTAL | 18330.6 | | | 50293 | | | | | |
| ANNUAL MEAN | 50.2 | | | 138 | | | 88.1 | | |
| HIGHEST ANNUAL MEAN | | | | | | | 155 | 1984 | |
| LOWEST ANNUAL MEAN | | | | | | | 30.4 | 2002 | |
| HIGHEST DAILY MEAN | 552 | Dec 14 | | 2130 | Jun 21 | | 4530 | Jun 22 1972 | |
| LOWEST DAILY MEAN | 7.5 | Sep 13 | | 11 | Oct 9 | | 7.1 | Aug 7 1999 | |
| ANNUAL SEVEN-DAY MINIMUM | 8.0 | Aug 15 | | 15 | Oct 3 | | 7.3 | Aug 2 1999 | |
| MAXIMUM PEAK FLOW | | | | a5420 | Jun 21 | | a11200 | Jun 22 1972 | |
| MAXIMUM PEAK STAGE | | | | 10.99 | Jun 21 | | 13.66 | Jun 22 1972 | |
| INSTANTANEOUS LOW FLOW | | | | 11 | Oct 3,8-10 | | 6.9 | Aug 8 1999 | |
| ANNUAL RUNOFF (CFSM) | 0.85 | | | 2.33 | | | 1.49 | | |
| ANNUAL RUNOFF (INCHES) | 11.54 | | | 31.66 | | | 20.25 | | |
| 10 PERCENT EXCEEDS | 110 | | | 263 | | | 169 | | |
| 50 PERCENT EXCEEDS | 29 | | | 85 | | | 55 | | |
| 90 PERCENT EXCEEDS | 9.6 | | | 35 | | | 20 | | |

a From rating curve extended above 2,500 ft³/s, on basis of slope-area measurement of peak flow.



SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1950 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1998 to April 1999, June 1999 to August 1999, June 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Agency col- lecting sample, code (00027) | Agency ana- lyzing sample, code (00028) | Instan- taneous dis- charge, cfs (00061) | Dis- solved oxygen, mg/L (00300) | pH, water, unfltrd field, std units (00400) | Specif. conduc- tance, wat unf µS/cm 25 degC (00095) | Temper- ature, water, deg C (00010) | Calcium water, fltrd, mg/L (00915) | Magnes- ium, water, fltrd, mg/L (00925) | Potas- sium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) | ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419) |
|-------------------|------|---|--|---|--|---|--|---|--|--|--|--|--|
| OCT 2002 23... | 0900 | 1028 | 80020 | 23 | 12.4 | 7.6 | 186 | 8.2 | 17.6 | 5.61 | 2.07 | 8.76 | 39 |

| Date | Chlor- ide, water, fltrd, mg/L (00940) | Silica, water, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Ortho- phos- phate, water, fltrd, mg/L as P (00671) | Boron, water, fltrd, µg/L (01020) | Iron, water, fltrd, µg/L (01046) |
|-------------------|---|--|--|--|--|--|--|---|--|
| OCT 2002 23... | 13.8 | 18.0 | 18.3 | <.04 | 1.28 | <.008 | .02 | 30 | 126 |

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATESREMARKS.--Samples were collected using a Hess sampler with a mesh size of 500 μ m. Each sample covered a total area of 2.4 m².

| Date | 10/23/02 |
|----------------------------------|----------|
| Benthic Macroinvertebrate | Count |
| Platyhelminthes | |
| Turbellaria (FLATWORMS) | |
| Tricladida | |
| Planariidae | 3 |
| Nemertea (PROBOSAS WORMS) | |
| Enopla | |
| Hoplonemertea | |
| Tetrastemmatidae | |
| <u>Prostoma</u> sp | 27 |
| Mollusca | |
| Gastropoda (SNAILS) | |
| Basommatophora | |
| Ancyliidae | |
| <u>Ferrissia</u> sp | 27 |
| Lymnaeidae | 1 |
| <u>Fossaria</u> sp | 3 |
| Planorbidae | |
| <u>Gyraulus</u> sp | 1 |
| Mesogastropoda | |
| Hydrobiidae | 17 |
| Bivalvia (CLAMS) | |
| Veneroidea | |
| Sphaeriidae | |
| <u>Pisidium</u> sp | 8 |
| <u>Sphaerium</u> sp | 79 |
| Annelida | |
| Oligochaeta (AQUATIC EARTHWORMS) | |
| Lumbriculida | |
| Lumbriculidae | 25 |
| Tubificida | |
| Tubificidae | 7 |
| Hirudinea (LEECHES) | |
| Rhynchobdellida | |
| Glossiphoniidae | 1 |
| Arthropoda | |
| Acariformes | |
| Hydrachnidia (WATER MITES) | 36 |
| Amphipoda (SCUDS) | |
| Talitridae | |
| <u>Hyallega</u> sp | 6 |
| Insecta | |
| Ephemeroptera (MAYFLIES) | |
| Baetidae | |
| <u>Cloeon</u> sp | 2 |
| Caenidae | |
| <u>Caenis</u> sp | 6 |
| Ephemerellidae | |
| <u>Eurylophella</u> sp | 5 |
| <u>Serratella</u> sp | 70 |
| Heptageniidae | |
| <u>Epeorus</u> sp | 18 |
| <u>Stenonema</u> sp | 217 |

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES--Continued

| Date | 10/23/02 |
|-------------------------------------|----------|
| Benthic Macroinvertebrate | Count |
| Ephemeroptera (MAYFLIES) | |
| Isonychiidae | |
| <u>Isonychia</u> sp | 120 |
| Tricorythidae | |
| <u>Tricorythodes</u> sp | 1 |
| Odonata | |
| Coenagrionidae (DAMSELFLIES) | |
| <u>Argia</u> sp | 49 |
| Gomphidae (DRAGONFLIES) | 4 |
| Plecoptera (STONEFLIES) | |
| Perlidae | |
| <u>Acroneuria</u> sp | 5 |
| <u>Paragnetina</u> sp | 4 |
| Taeniopterygidae | |
| <u>Taeniopteryx</u> sp | 12 |
| Trichoptera (CADDISFLIES) | |
| Apataniidae | |
| <u>Apatania</u> sp | 17 |
| Brachycentridae | |
| <u>Micrasema</u> sp | 71 |
| Helicopsychidae | |
| <u>Helicopsyche</u> sp | 12 |
| Hydropsychidae | |
| <u>Cheumatopsyche</u> sp | 160 |
| <u>Hydropsyche</u> sp | 25 |
| Hydroptilidae | |
| <u>Hydroptila</u> sp | 4 |
| <u>Leucotrichia</u> sp | 45 |
| Lepidostomatidae | |
| <u>Lepidostoma</u> sp | 3 |
| Leptoceridae | |
| <u>Oecetis</u> sp | 1 |
| Philopotamidae | |
| <u>Chimarra</u> sp | 107 |
| Polycentropodidae | |
| <u>Neureclipsis</u> sp | 3 |
| <u>Polycentropus</u> sp | 2 |
| Psychomyiidae | |
| <u>Psychomyia</u> sp | 1 |
| Lepidoptera (MOTHS AND BUTTERFLIES) | |
| Pyralidae | |
| <u>Petrophila</u> sp | 2 |
| Coleoptera (BEETLES) | |
| Elmidae (RIFFLE BEETLES) | |
| <u>Ancyronyx</u> sp | 1 |
| <u>Dubiraphia</u> sp | 4 |
| <u>Macronychus</u> sp | 4 |
| <u>Optioservus</u> sp | 84 |
| <u>Oulimnius</u> sp | 6 |
| <u>Promoresia</u> sp | 20 |
| <u>Stenelmis</u> sp | 30 |
| Hydrophilidae | |
| <u>Berosus</u> sp | 1 |

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES--Continued

| Date | 10/23/02 |
|-----------------------------|----------|
| Benthic Macroinvertebrate | Count |
| Psephenidae (WATER PENNIES) | |
| <u>Ectopria</u> sp | 4 |
| <u>Psephenus</u> sp | 58 |
| Diptera (TRUE FLIES) | |
| Chironomidae (MIDGES) | 41 |
| Empididae (DANCE FLIES) | |
| <u>Hemerodromia</u> sp | 4 |
| Simuliidae (BLACK FLIES) | |
| <u>Simulium</u> sp | 1 |
| Tipulidae (CRANE FLIES) | |
| <u>Antocha</u> sp | 3 |
| <u>Tipula</u> sp | 4 |
| Total Organisms | 1472 |
| Total Taxa | 56 |

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued
(National Water-Quality Assessment Station)

REMARKS.--These samples were collected as part of the Delaware River Basin National Water-Quality Assessment Program (DELR NAWQA). For the definition of the type of quality-control data listed under SAMPLE TYPE, refer to "Water-Quality-Control Data" in the "Introduction."

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Sample type | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd, std units (00400) | Specific conductance, wat unfltrd 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086) |
|-----------|------|-----------------|--------------------------------------|------------------------------------|--------------------------------|---|---------------------------------------|---|---------------------------------|-----------------------------------|---|
| NOV 14... | 0840 | Environmental | 80 | 759 | 11.6 | 97 | 7.3 | 153 | 10.5 | 7.6 | 34 |
| DEC 10... | 1040 | Environmental | 93 | 765 | 14.4 | 98 | 7.4 | 183 | 1.5 | 0.1 | -- |
| | 1041 | Split Replicate | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN 14... | 0950 | Environmental | 68 | 761 | 14.8 | 102 | 7.1 | 169 | -4.0 | 0.0 | 29 |
| MAR 11... | 1100 | Environmental | 133 | 762 | 14.2 | 100 | 7.1 | 147 | 10.0 | 1.1 | 21 |
| APR 15... | 0820 | Environmental | 118 | 757 | 11.7 | 105 | 7.4 | 145 | 16.0 | 10.2 | 28 |
| MAY 13... | 1030 | Environmental | 55 | 749 | 10.3 | 101 | 7.4 | 156 | 16.0 | 13.7 | 35 |
| JUN 11... | 1310 | Environmental | 133 | 753 | 9.6 | 102 | 7.4 | 143 | 25.5 | 17.6 | 30 |
| JUL 14... | 1120 | Environmental | 68 | 760 | 9.6 | 104 | 7.8 | 152 | 28.5 | 19.6 | 36 |
| SEP 02... | 0840 | Environmental | 209 | 755 | 8.9 | 97 | 7.5 | 136 | 25.0 | 19.2 | 32 |

| Date | Chloride, water, fltrd, mg/L (00940) | Sulfate water, fltrd, mg/L (00945) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L (00665) | Suspended sediment concentration mg/L (80154) | Suspended sediment load, tons/d (80155) |
|-----------|--------------------------------------|------------------------------------|---|---|--|---|---|---|---|---|
| NOV 14... | 10.2 | 16.4 | 0.41 | <0.04 | 1.04 | E.006 | E.01 | 0.051 | 5 | 0.99 |
| DEC 10... | 14.6 | 15.4 | 0.14 | <0.04 | 1.99 | <0.008 | <0.02 | 0.015 | 1 | 0.35 |
| | 14.1 | 15.5 | 0.14 | <0.04 | 1.99 | <0.008 | <0.02 | 0.014 | 1 | -- |
| JAN 14... | 14.9 | 14.4 | 0.12 | <0.04 | 2.25 | <0.008 | <0.02 | 0.016 | <1 | -- |
| MAR 11... | 15.8 | 11.9 | 0.21 | <0.04 | 1.34 | E.004 | E.02 | 0.036 | 4 | 1.6 |
| APR 15... | 13.0 | 12.6 | -- | -- | -- | -- | -- | -- | 2 | 0.76 |
| MAY 13... | 13.3 | 11.8 | 0.23 | <0.04 | 1.20 | E.007 | E.01 | 0.034 | 5 | 0.80 |
| JUN 11... | 11.8 | 12.3 | -- | -- | -- | -- | -- | -- | 8 | 3.0 |
| JUL 14... | 12.0 | 11.3 | 0.17 | <0.04 | 1.42 | <0.008 | E.01 | 0.033 | 3 | 0.55 |
| SEP 02... | 11.0 | 10.0 | 0.52 | <0.04 | 1.15 | 0.009 | 0.03 | 0.161 | 58 | 33 |

Remark codes used in this table:

< -- Less than

E -- Estimated value

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--The following were determined using laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, on page 197). Only pesticides detected in one or more surface-water samples are listed in the following table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Sample type | 2,6-Di-ethyl-aniline water fltrd 0.7µ GF µg/L (82660) | CIAT, water, fltrd, µg/L (04040) | Aceto-chlor, water, fltrd, µg/L (49260) | Ala-chlor, water, fltrd, µg/L (46342) | alpha-HCH, water, fltrd, µg/L (34253) | Atra-zine, water, fltrd, µg/L (39632) | Azin-phos-methyl, water, fltrd 0.7µ GF µg/L (82686) | Ben-flur-alin, water, fltrd 0.7µ GF µg/L (82673) | Butyl-ate, water, fltrd, µg/L (04028) |
|-----------|------|---------------|--|--|---|---|---|---|--|---|---|
| NOV 14... | 0840 | Environmental | <0.006 | E.017 | <0.006 | <0.004 | <0.005 | 0.013 | <0.050 | <0.010 | <0.002 |
| JAN 14... | 0950 | Environmental | <0.006 | E.033 | <0.006 | <0.004 | <0.005 | 0.012 | <0.050 | <0.010 | <0.002 |
| MAR 11... | 1100 | Environmental | <0.006 | E.018 | <0.006 | <0.004 | <0.005 | <0.010 | <0.050 | <0.010 | <0.002 |
| APR 15... | 0820 | Environmental | <0.006 | E.025 | <0.006 | <0.004 | <0.005 | 0.010 | <0.050 | <0.010 | <0.002 |
| MAY 13... | 1030 | Environmental | <0.006 | E.027 | <0.006 | <0.004 | <0.005 | 0.019 | <0.050 | <0.010 | <0.002 |
| JUN 11... | 1309 | Field Blank | <0.006 | <0.006 | <0.006 | <0.004 | <0.005 | <0.007 | <0.050 | <0.010 | <0.002 |
| JUN 11... | 1310 | Environmental | <0.006 | E.034 | <0.006 | <0.004 | <0.005 | 0.152 | <0.050 | <0.010 | <0.002 |
| JUL 14... | 1120 | Environmental | <0.006 | E.028 | <0.006 | <0.004 | <0.005 | 0.029 | <0.050 | <0.010 | <0.002 |
| SEP 02... | 0840 | Environmental | <0.006 | E.018 | <0.006 | <0.004 | <0.005 | 0.016 | <0.050 | <0.010 | <0.002 |

| Date | Car-baryl, water, fltrd 0.7µ GF µg/L (82680) | Carbo-furan, water, fltrd 0.7µ GF µg/L (82674) | cis-Per-methrin water fltrd 0.7µ GF µg/L (82687) | DCPA, water fltrd 0.7µ GF µg/L (82682) | Desulf-inyl fipro-nil, water, fltrd, µg/L (62170) | Diazi-non, water, fltrd, µg/L (39572) | Diel-drin, water, fltrd, µg/L (39381) | EPTC, water, fltrd 0.7µ GF µg/L (82668) | Desulf-inyl-fipro-nil amide, wat flt µg/L (62169) | Fipro-nil sulfide water, fltrd, µg/L (62167) | Fipro-nil sulfone water, fltrd, µg/L (62168) | Fipro-nil, water, fltrd, µg/L (62166) | Malathion, water, fltrd, µg/L (39532) |
|-----------|---|---|---|---|---|---|---|--|---|--|--|---|---|
| NOV 14... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| JAN 14... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| MAR 11... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| APR 15... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | E.005 | <0.005 | <0.005 | <0.007 | <0.027 |
| MAY 13... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| JUN 11... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| JUN 11... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| JUL 14... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | <0.005 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |
| SEP 02... | <0.041 | <0.020 | <0.006 | <0.003 | <0.004 | 0.007 | <0.005 | <0.002 | <0.009 | <0.005 | <0.005 | <0.007 | <0.027 |

SCHUYLKILL RIVER BASIN

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Metolachlor, water, fltrd, µg/L (39415) | Metribuzin, water, fltrd, µg/L (82630) | Napropamide, water, fltrd 0.7µ GF µg/L (82684) | Pendimethalin, water, fltrd 0.7µ GF µg/L (82683) | Prometon, water, fltrd, µg/L (04037) | Simazine, water, fltrd, µg/L (04035) | Tebu-thiuron water fltrd 0.7µ GF µg/L (82670) | Terbacil, water, fltrd 0.7µ GF µg/L (82665) | Tri-fluralin, water, fltrd 0.7µ GF µg/L (82661) |
|--------------|---|--|---|---|--|--|--|--|--|
| NOV 14... | E.009 | <0.006 | <0.007 | <0.022 | M | 0.019 | <0.02 | <0.034 | <0.009 |
| JAN 14... | E.008 | <0.006 | <0.007 | <0.022 | <0.01 | 0.023 | <0.02 | <0.034 | <0.009 |
| MAR 11... | E.010 | <0.006 | <0.007 | <0.022 | <0.01 | <0.005 | <0.02 | <0.034 | <0.009 |
| APR 15... | E.006 | <0.006 | <0.007 | <0.022 | 0.06 | 0.077 | <0.02 | <0.034 | <0.009 |
| MAY 13... | E.009 | <0.006 | <0.007 | <0.022 | E.01 | 0.139 | <0.02 | E.005 | <0.009 |
| JUN 11... | <0.013 | <0.006 | <0.007 | <0.022 | <0.01 | <0.005 | <0.02 | <0.034 | <0.009 |
| JUN 11... | 0.048 | <0.006 | <0.007 | <0.022 | E.01 | 0.022 | <0.02 | <0.034 | <0.009 |
| JUL 14... | E.010 | <0.006 | <0.007 | <0.022 | <0.01 | 0.019 | <0.02 | <0.034 | <0.009 |
| SEP 02... | 0.016 | <0.006 | <0.007 | <0.022 | E.01 | 0.019 | <0.02 | <0.034 | <0.009 |

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified