

## SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA  
(National Water-Quality Assessment Station)

**LOCATION.**--Lat 39°58'04", long 75°11'20", Philadelphia County, Hydrologic Unit 02040203, on right bank 150 ft upstream from Fairmount Dam, 1,500 ft upstream from bridge on Spring Garden Street in Philadelphia, and 8.7 mi upstream from mouth.

**DRAINAGE AREA.**--1,893 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.**--October 1931 to current year. Records for January 1898 to December 1912, published in WSP 35, 48, 65, 82, 97, 125, 166, 202, 214, 261, 301, and 381 have been found to be unreliable and should not be used.

**REVISED RECORDS.**--WSP 756: Drainage area. WSP 1302: 1936(M). WSP 1432: 1945. See also PERIOD OF RECORD.

**GAGE.**--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 5.74 ft above sea level. Prior to Nov. 25, 1956, water-stage recorder at site on right bank just upstream from Fairmount Dam at same datum. Nov. 26, 1956, to Oct. 6, 1966, water-stage recorder at site on left bank 40 ft upstream from Fairmount Dam at same datum.

**REMARKS.**--Records good. Flow regulated by Still Creek Reservoir (station 01469200) since February 1933, Blue Marsh Lake (station 01470870) since April 1979, Green Lane Reservoir (station 01472200) since December 1956 and to some extent by Lake Ontelaunee. Daily mean discharges do not include diversion above station by city of Philadelphia for municipal water supply. Satellite and landline telemetry at station.

**COOPERATION.**--Records of diversion provided by Philadelphia Water Department.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Oct. 4, 1869 reached a stage of 17.0 ft, discharge, about 135,000 ft<sup>3</sup>/s. Flood of Mar. 1, 1902 reached a stage of 14.8 ft, discharge, about 98,000 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 18,000 ft<sup>3</sup>/s and maximum (\*):

| Date    | Time | Discharge<br>ft <sup>3</sup> /s | Gage Height<br>(ft) | Date                                       | Time | Discharge<br>ft <sup>3</sup> /s | Gage Height<br>(ft) |
|---------|------|---------------------------------|---------------------|--|------|---------------------------------|---------------------|
| Mar. 22 | 0830 | *42,700                         | *11.04              | No other peak greater than base discharge. |      |                                 |                     |

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB    | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|
| 1     | 6010  | 1300  | 2930  | 1730  | 1430   | 7290   | 5040   | 2470   | 2440  | 2750  | 3310  | 1090  |
| 2     | 4610  | 1850  | 2620  | 1640  | 1440   | 5620   | 4470   | 2390   | 2220  | 2350  | 3980  | 1100  |
| 3     | 3420  | 4850  | 2400  | 1620  | 1380   | 4550   | 4170   | 2340   | 2080  | 2190  | 6220  | 1540  |
| 4     | 3010  | 3630  | 2250  | 1810  | 1290   | 3880   | 4660   | 2150   | 1950  | 1990  | 9870  | 1460  |
| 5     | 4210  | 2580  | 1960  | 3110  | 1290   | 3490   | 4970   | 1990   | 1820  | 1870  | 4670  | 1050  |
| 6     | 3990  | 2160  | 2920  | 2330  | 1300   | 3220   | 4150   | 1990   | 2060  | 1700  | 3090  | 956   |
| 7     | 3170  | 1920  | 4520  | 1890  | 1290   | 2780   | 3570   | 1930   | 3740  | 1470  | 2600  | 933   |
| 8     | 2770  | 1840  | 2850  | 1730  | 1250   | 2590   | 3370   | 1850   | 2810  | 1350  | 2580  | 884   |
| 9     | 2520  | e1700 | 2230  | 1640  | 1190   | 2530   | 4350   | 1720   | 1980  | 1310  | 2030  | 857   |
| 10    | 3310  | 1610  | 2130  | 1780  | 1180   | 2370   | 5710   | 1690   | 1710  | 1410  | 1800  | 788   |
| 11    | 6100  | 1530  | 2430  | 3000  | 1350   | 2300   | 4550   | 1950   | 1540  | 1260  | 1610  | 793   |
| 12    | 4090  | 1420  | 2160  | 3680  | 1720   | 4760   | 4240   | 2580   | 1630  | 1220  | 1700  | 757   |
| 13    | 3360  | 1360  | 2000  | 3070  | 1640   | 5540   | 3890   | 2230   | 5550  | 1160  | 1600  | 1530  |
| 14    | 3160  | 1350  | 4440  | 2660  | 2540   | 4210   | 3440   | 3080   | 3580  | 1220  | 1820  | 1340  |
| 15    | 3090  | 1320  | 8770  | 2160  | 4930   | 3790   | 3280   | 3340   | 3250  | 1280  | 2360  | 3550  |
| 16    | 2750  | 1310  | 5930  | 1970  | 4670   | 3540   | 3480   | 2510   | 2540  | 1520  | 1680  | 1910  |
| 17    | 2510  | 1260  | 4880  | 1820  | 5350   | 7600   | 4590   | 2250   | 2290  | 1620  | 1410  | 1290  |
| 18    | 2670  | 1210  | 3940  | 1440  | 4250   | 6380   | 5150   | 2070   | 2570  | 1260  | 1210  | 1050  |
| 19    | 2320  | 1140  | 3310  | 1400  | 6100   | 4550   | 4100   | 2620   | 3240  | 1210  | 1180  | 1530  |
| 20    | 2380  | 1160  | 3110  | 1690  | 5430   | 4060   | 3360   | 5140   | 2270  | 1260  | 1130  | 4620  |
| 21    | 2550  | 1180  | 3750  | 1650  | 4380   | 4580   | 3270   | 5520   | 1940  | 1150  | 1070  | 2890  |
| 22    | 2120  | 1220  | 3430  | 1440  | 3840   | 35500  | 9180   | 3840   | 4670  | 1210  | 975   | 1970  |
| 23    | 2060  | 1170  | 2810  | 1490  | 3900   | 20100  | 5130   | 4560   | 3870  | 1180  | 926   | 1540  |
| 24    | 1970  | 1190  | 2450  | 1710  | 4110   | 12900  | 4050   | 6190   | 2790  | 1050  | 917   | 1270  |
| 25    | 1780  | 1250  | 2250  | 1710  | 5290   | 9890   | 3490   | 8150   | 2220  | 965   | 947   | 1270  |
| 26    | 1620  | 1340  | 2080  | 1380  | 6430   | 8190   | 3180   | 6880   | 2420  | 1920  | 969   | 4570  |
| 27    | 1560  | 7490  | 2090  | 1440  | 6410   | 6970   | 2980   | 5090   | 7300  | 3480  | 977   | 3040  |
| 28    | 1490  | 6550  | 1980  | 1270  | 7980   | 11000  | 2910   | 4100   | 5380  | 1510  | 1350  | 2000  |
| 29    | 1410  | 4060  | 1890  | 1080  | 9190   | 10000  | 2750   | 3620   | 3720  | 1190  | 1220  | 1590  |
| 30    | 1320  | 3240  | 1820  | 1230  | ---    | 7630   | 2600   | 3240   | 2900  | 1100  | 1080  | 1340  |
| 31    | 1280  | ---   | 1730  | 1440  | ---    | 6030   | ---    | 2830   | ---   | 2340  | 1160  | ---   |
| TOTAL | 88610 | 65190 | 94060 | 58010 | 102550 | 217840 | 124080 | 102310 | 88480 | 48495 | 67441 | 50508 |
| MEAN  | 2858  | 2173  | 3034  | 1871  | 3536   | 7027   | 4136   | 3300   | 2949  | 1564  | 2176  | 1684  |
| MAX   | 6100  | 7490  | 8770  | 3680  | 9190   | 35500  | 9180   | 8150   | 7300  | 3480  | 9870  | 4620  |
| MIN   | 1280  | 1140  | 1730  | 1080  | 1180   | 2300   | 2600   | 1690   | 1540  | 965   | 917   | 757   |
| (†)   | 188   | 181   | 188   | 104   | 214    | 201    | 193    | 208    | 209   | 209   | 208   | 198   |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2000, BY WATER YEAR (WY)

|      | 1932 | 1933 | 1934  | 1935  | 1936 | 1937  | 1938  | 1939 | 1940  | 1941 | 1942 | 1943 |
|------|------|------|-------|-------|------|-------|-------|------|-------|------|------|------|
| MEAN | 1411 | 2327 | 3168  | 3379  | 3640 | 4882  | 4260  | 3123 | 2110  | 1626 | 1387 | 1443 |
| MAX  | 5624 | 6272 | 11150 | 11400 | 8136 | 13320 | 11620 | 9943 | 11640 | 6434 | 7980 | 5300 |
| (WY) | 1997 | 1973 | 1997  | 1979  | 1939 | 1936  | 1983  | 1989 | 1972  | 1984 | 1933 | 1999 |
| MIN  | 89.4 | 223  | 444   | 340   | 647  | 1552  | 1237  | 693  | 261   | 116  | 140  | 117  |
| (WY) | 1942 | 1932 | 1981  | 1981  | 1934 | 1981  | 1985  | 1965 | 1965  | 1966 | 1966 | 1932 |

† Diversion for municipal supply of City of Philadelphia, equivalent in cubic feet per second.

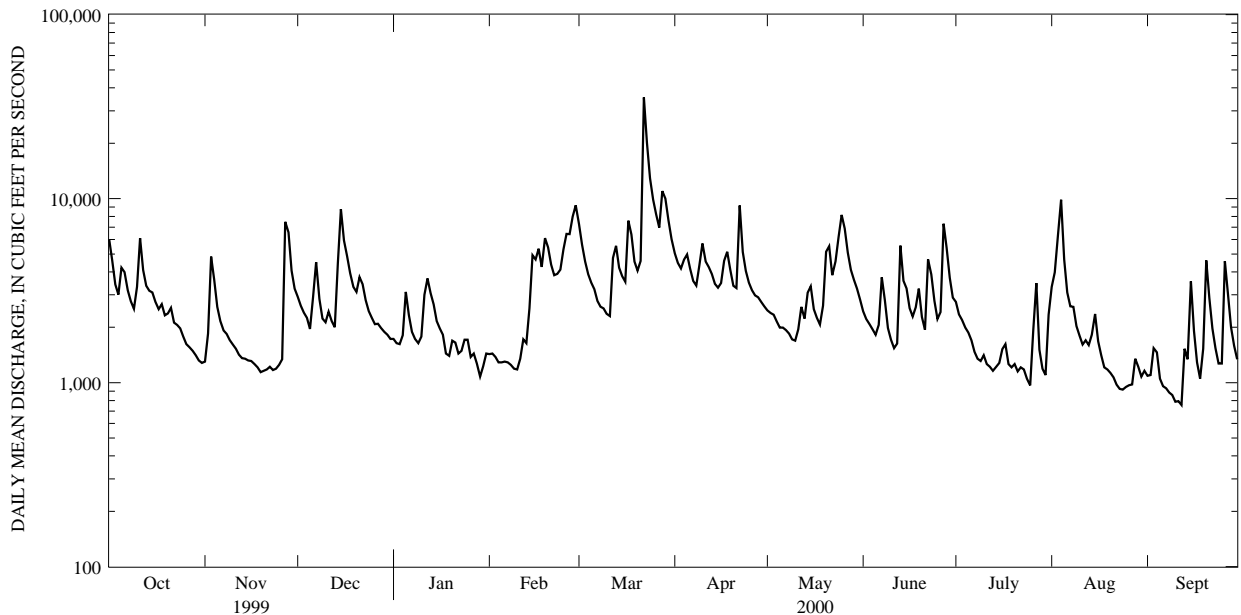
e Estimated.

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

| SUMMARY STATISTICS       | FOR 1999 CALENDAR YEAR |        | FOR 2000 WATER YEAR |        | WATER YEARS 1932 - 2000 |             |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL             | 956413                 |        | 1107574             |        |                         |             |
| ANNUAL MEAN              | 2620                   |        | 3026                |        | 2725                    |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 4791                    | 1984        |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1014                    | 1965        |
| HIGHEST DAILY MEAN       | 56100                  | Sep 17 | 35500               | Mar 22 | 93400                   | Jun 23 1972 |
| LOWEST DAILY MEAN        | 165                    | Aug 4  | 757                 | Sep 12 | .60                     | Sep 2 1966  |
| ANNUAL SEVEN-DAY MINIMUM | 231                    | Aug 1  | 853                 | Sep 6  | 24                      | Sep 28 1941 |
| INSTANTANEOUS PEAK FLOW  |                        |        | 42700               | Mar 22 | a103000                 | Jun 23 1972 |
| INSTANTANEOUS PEAK STAGE |                        |        | 11.04               | Mar 22 | 14.65                   | Jun 23 1972 |
| INSTANTANEOUS LOW FLOW   |                        |        | 630                 | Sep 11 | .00                     | Sep 2 1966  |
| 10 PERCENT EXCEEDS       | 4580                   |        | 5460                |        | 5840                    |             |
| 50 PERCENT EXCEEDS       | 1980                   |        | 2310                |        | 1680                    |             |
| 90 PERCENT EXCEEDS       | 461                    |        | 1190                |        | 434                     |             |

a From rating curve extended above 92,000 ft<sup>3</sup>/s.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000

## SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued  
(National Water-Quality Assessment Station)

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1998 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1998 to current year.

WATER TEMPERATURE: September 1998 to current year.

INSTRUMENTATION.--Water-quality monitor (in situ system; measurements recorded every 15 minutes) located inside raw-water water intake of Belmont Pumping Station, Philadelphia, PA.

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | TIME | SAMPLE TYPE     | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | OXYGEN, DIS-SOLVED (MG/L) (00300) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) |
|----------|------|-----------------|---|--|---|-----------------------------------|--|---|----------------------------------|
| OCT 1999 |      |                 |   |  |   |                                   |  |   |                                  |
| 06...    | 1130 | ENVIRONMENTAL   | 4060  | 763                                      | 104   | 10.1                              | 7.7  | 328                                     | 19.5                             |
| 20...    | 1230 | ENVIRONMENTAL   | 2500  | 763                                      | 102   | 10.4                              | 7.8  | 360                                     | 14.5                             |
| NOV      |      |                 |   |  |   |                                   |  |   |                                  |
| 08...    | 1230 | ENVIRONMENTAL   | 1870  | 766                                      | --  | --                                | 7.7  | 377                                     | 14.0                             |
| 18...    | 1110 | ENVIRONMENTAL   | 1250  | 772                                      | 139   | 16.9                              | 7.8  | 446                                     | 16.0                             |
| DEC      |      |                 |   |  |   |                                   |  |   |                                  |
| 01...    | 1129 | FIELD BLANK     | --  | --                                       | --  | --                                | --   | --                                      | --                               |
| 01...    | 1130 | ENVIRONMENTAL   | 3050  | 769                                      | 99  | 12.3                              | 7.7  | 267                                     | 4.5                              |
| 15...    | 1400 | ENVIRONMENTAL   | 7610  | 761                                      | 108   | 13.4                              | 7.6  | 222                                     | 9.0                              |
| JAN 2000 |      |                 |   |  |   |                                   |  |   |                                  |
| 11...    | 1120 | ENVIRONMENTAL   | 3490  | 752                                      | 101   | 12.6                              | 7.6  | 374                                     | 8.5                              |
| FEB      |      |                 |   |  |   |                                   |  |   |                                  |
| 17...    | 0959 | FIELD BLANK     | --  | --                                       | --  | --                                | --   | --                                      | --                               |
| 17...    | 1000 | ENVIRONMENTAL   | 5960  | 775                                      | 117   | 16.0                              | 7.8  | 432                                     | 4.0                              |
| 29...    | 1700 | ENVIRONMENTAL   | 8920  | 763                                      | 106   | 12.8                              | 7.7  | 275                                     | 16.0                             |
| MAR      |      |                 |   |  |   |                                   |  |   |                                  |
| 09...    | 1200 | ENVIRONMENTAL   | 2640  | 751                                      | 73  | 8.1                               | 7.9  | 336                                     | 26.0                             |
| 22...    | 1640 | ENVIRONMENTAL   | 38400   | 771                                      | 103   | 13.0                              | 7.4  | 147                                     | 10.0                             |
| APR      |      |                 |   |  |   |                                   |  |   |                                  |
| 06...    | 1000 | ENVIRONMENTAL   | 4230  | 751                                      | 106   | 11.4                              | 7.8  | 286                                     | 16.0                             |
| 18...    | 1420 | ENVIRONMENTAL   | 5520  | 762                                      | 116   | 12.4                              | 7.8  | 291                                     | 9.0                              |
| MAY      |      |                 |   |  |   |                                   |  |   |                                  |
| 02...    | 1350 | ENVIRONMENTAL   | 2500  | 763                                      | 102   | 10.0                              | 8.0  | 349                                     | 21.0                             |
| 22...    | 1430 | ENVIRONMENTAL   | 3800  | 755                                      | 129   | 12.9                              | 7.7  | 257                                     | 14.5                             |
| 22...    | 1431 | SPLIT REPLICATE | --  | --                                       | --  | --                                | --   | --                                      | --                               |
| JUN      |      |                 |   |  |   |                                   |  |   |                                  |
| 07...    | 1240 | ENVIRONMENTAL   | 3850  | 768                                      | 109   | 10.1                              | 7.9  | 365                                     | 25.5                             |
| 07...    | 1241 | SPLIT REPLICATE | --  | --                                       | --  | --                                | --   | --                                      | --                               |
| 20...    | 1220 | ENVIRONMENTAL   | 2330  | 767                                      | 96  | 8.3                               | 7.8  | 336                                     | 30.0                             |
| 29...    | 1140 | ENVIRONMENTAL   | 3740  | 760                                      | 93  | 8.0                               | 7.8  | 294                                     | E25.0                            |
| JUL      |      |                 |   |  |   |                                   |  |   |                                  |
| 10...    | 1410 | ENVIRONMENTAL   | 1620  | --                                       | --  | --                                | 9.0  | 368                                     | --                               |
| AUG      |      |                 |   |  |   |                                   |  |   |                                  |
| 03...    | 0950 | ENVIRONMENTAL   | 6630  | 762                                      | 94  | 7.6                               | 7.6  | 320                                     | 25.0                             |
| 15...    | 1540 | ENVIRONMENTAL   | 2460  | 763                                      | 98  | 8.4                               | 7.8  | 388                                     | E28.3                            |
| 31...    | 1100 | ENVIRONMENTAL   | 1220  | 769                                      | 86  | 7.2                               | 7.8  | 534                                     | 24.5                             |



## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | SOLIDS,<br>RESIDUE<br>AT 180<br>DEG. C<br>DIS-<br>SOLVED<br>(MG/L)<br>(70300) | SOLIDS,<br>SUM OF<br>CONSTITUENTS,<br>DIS-<br>SOLVED<br>(MG/L)<br>(70301) | TUR-<br>BID-<br>ITY<br>FIELD<br>WATER<br>UNFLTRD<br>(NTU)<br>(61028) | BORON,<br>DIS-<br>SOLVED<br>(µG/L<br>AS B)<br>(01020) | IRON,<br>DIS-<br>SOLVED<br>(µG/L<br>AS FE)<br>(01046) | MANGA-<br>NESE,<br>DIS-<br>SOLVED<br>(µG/L<br>AS MN)<br>(01056) | CARBON,<br>ORGANIC<br>DIS-<br>SOLVED<br>(MG/L<br>AS C)<br>(00681) | CARBON,<br>ORGANIC<br>PARTIC-<br>ULATE<br>TOTAL<br>(MG/L<br>AS C)<br>(00689) | SEDI-<br>MENT,<br>DIS-<br>CHARGE,<br>SUS-<br>PENDEED<br>(T/DAY)<br>(80155) | SEDI-<br>MENT,<br>SUS-<br>PENDEED<br>(MG/L)<br>(80154) |
|----------|---|---|---|--|---|---|---|---|--|--|--|
| OCT 1999 |   |   |   |  |   |   |   |   |  |  |  |
| 06...    | .157  | 196   | 185   | 17   | 43  | 10  | 20  | 3.4   | .3   | 150  | 14   |
| 20...    | .164  | 207   | 204   | 7  | 43  | 10  | 31  | 2.7   | .2   | 43   | 6  |
| NOV      |   |   |   |  |   |   |   |   |  |  |  |
| 08...    | .173  | 227   | 210   | --   | 43  | 20  | 23  | 3.5   | .2   | 9.1  | 2  |
| 18...    | .227  | 260   | --  | 2  | 70  | 50  | 36  | 3.0   | .4   | 8.1  | 2  |
| DEC      |   |   |   |  |   |   |   |   |  |  |  |
| 01...    | --  | --  | --  | --   | --  | --  | --  | --  | --   | --   | --   |
| 01...    | .138  | 162   | 151   | 7  | 29  | 30  | 38  | 3.3   | .3   | 54   | 6  |
| 15...    | .342  | 132   | 124   | 310  | 30  | 50  | 39  | 4.6   | 2.9  | 2310   | 112  |
| JAN 2000 |   |   |   |  |   |   |   |   |  |  |  |
| 11...    | .198  | 229   | 220   | 4  | 64  | 40  | 59  | 2.8   | .2   | 46   | 5  |
| FEB      |   |   |   |  |   |   |   |   |  |  |  |
| 17...    | <.008   | <10   | --  | --   | <16   | <10   | <2  | --  | --   | --   | M  |
| 17...    | .179  | 259   | 253   | 14   | 40  | 30  | 84  | 3.2   | .3   | 229  | 14   |
| 29...    | .198  | 163   | 151   | 54   | 27  | 30  | 110   | 2.9   | 1.2  | 1190   | 49   |
| MAR      |   |   |   |  |   |   |   |   |  |  |  |
| 09...    | .152  | 198   | 187   | 6  | 37  | 30  | 98  | 2.1   | .4   | 41   | 6  |
| 22...    | .587  | 87  | 79  | 360  | 16  | 70  | 141   | 4.5   | >4.0   | 43100  | 415  |
| APR      |   |   |   |  |   |   |   |   |  |  |  |
| 06...    | .117  | 164   | 161   | 15   | 29  | 30  | 43  | 2.6   | .2   | 107  | 9  |
| 18...    | .161  | 169   | 158   | 35   | 33  | 30  | 20  | 3.3   | .8   | 279  | 19   |
| MAY      |   |   |   |  |   |   |   |   |  |  |  |
| 02...    | .175  | 200   | 193   | 6  | 37  | 30  | 22  | 2.3   | <.2  | 74   | 11   |
| 22...    | .172  | 153   | 142   | 32   | 31  | 50  | 21  | 4.6   | .6   | 186  | 18   |
| 22...    | --  | --  | --  | --   | --  | --  | --  | --  | --   | --   | --   |
| JUN      |   |   |   |  |   |   |   |   |  |  |  |
| 07...    | .218  | 206   | 199   | 10   | 43  | 20  | 36  | 2.3   | .4   | 63   | 6  |
| 07...    | --  | --  | --  | --   | --  | --  | --  | --  | --   | --   | --   |
| 20...    | .196  | 198   | 187   | 15   | 37  | 10  | 14  | 3.0   | .3   | 61   | 10   |
| 29...    | .143  | 173   | 162   | 16   | 32  | 10  | 8   | 2.8   | .4   | 138  | 14   |
| JUL      |   |   |   |  |   |   |   |   |  |  |  |
| 10...    | --  | 220   | 199   | --   | 44  | <10   | E2  | 2.6   | 1.4  | 35   | 8  |
| AUG      |   |   |   |  |   |   |   |   |  |  |  |
| 03...    | .252  | 192   | 176   | 44   | 41  | 10  | 24  | 2.7   | .7   | 827  | 46   |
| 15...    | .235  | 229   | 211   | 12   | 67  | 20  | 61  | 3.0   | .3   | 43   | 6  |
| 31...    | .328  | 314   | 300   | 8  | 85  | 20  | 63  | 2.8   | .7   | 40   | 12   |

## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

REMARKS.--Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020 (listed with minimum reporting levels on pages 464-465). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | TIME | 1,1,1-<br>TRI-<br>CHLORO-<br>ETHANE<br>(µG/L)<br>(34506) | 1,1,2-<br>TRI-<br>CHLORO-<br>ETHANE<br>(µG/L)<br>(34511) | 1,1-DI-<br>CHLORO-<br>ETHANE<br>(µG/L)<br>(34496) | 1,1-DI-<br>CHLORO-<br>ETHYL-<br>ENE<br>(µG/L)<br>(34501) | 1,2-DI-<br>CHLORO-<br>PROPANE<br>(µG/L)<br>(34541) | ACETONE<br>WATER<br>WHOLE<br>TOTAL<br>(µG/L)<br>(81552) | BENZENE<br>123-TRI-<br>METHYL-<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(77221) | BENZENE<br>1,2,4-<br>TRI-<br>CHLORO-<br>WAT UNF<br>REC<br>(µG/L)<br>(34551) | BENZENE<br>124-TRI-<br>METHYL<br>UNFILT<br>RECOVER<br>(µG/L)<br>(77222) |
|----------|------|--|--|---|--|--|---|---|---|---|
| OCT 1999 |      |  |  |   |  |  |   |   |   |   |
| 06...    | 1130 | <.03   | <.06   | <.07  | <.04   | <.07   | E3  | <.1   | <.2   | <.06  |
| 20...    | 1230 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | E.02  |
| NOV      |      |  |  |   |  |  |   |   |   |   |
| 08...    | 1230 | E.01   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | E.06  |
| 18...    | 1110 | E.01   | <.06   | <.07  | <.04   | <.07   | E3  | M   | <.2   | E.05  |
| DEC      |      |  |  |   |  |  |   |   |   |   |
| 01...    | 1130 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | <.06  |
| 15...    | 1400 | E.01   | <.06   | <.07  | <.04   | <.07   | E3  | <.1   | <.2   | <.06  |
| JAN 2000 |      |  |  |   |  |  |   |   |   |   |
| 11...    | 1120 | E.01   | <.06   | <.07  | <.04   | <.07   | E2  | <.1   | <.2   | <.06  |
| FEB      |      |  |  |   |  |  |   |   |   |   |
| 17...    | 1000 | E.01   | <.06   | <.07  | <.04   | <.07   | E2  | <.1   | <.2   | E.02  |
| 29...    | 1700 | E.01   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | E.01  |
| MAR      |      |  |  |   |  |  |   |   |   |   |
| 09...    | 1200 | E.01   | <.06   | <.07  | <.04   | <.07   | E2  | M   | <.2   | .11   |
| 22...    | 1640 | E.01   | <.06   | <.07  | <.04   | <.07   | E3  | <.1   | <.2   | E.02  |
| APR      |      |  |  |   |  |  |   |   |   |   |
| 06...    | 1000 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | M   | <.2   | .13   |
| 18...    | 1420 | <.03   | <.06   | <.07  | <.04   | <.07   | E3  | <.1   | <.2   | <.06  |
| MAY      |      |  |  |   |  |  |   |   |   |   |
| 02...    | 1350 | E.01   | <.06   | <.07  | <.04   | <.07   | E1  | E.1   | <.2   | .21   |
| JUN      |      |  |  |   |  |  |   |   |   |   |
| 07...    | 1240 | M  | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | E.03  |
| 20...    | 1220 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | <.06  |
| JUL      |      |  |  |   |  |  |   |   |   |   |
| 10...    | 1410 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | <.06  |
| AUG      |      |  |  |   |  |  |   |   |   |   |
| 15...    | 1540 | <.03   | <.06   | <.07  | <.04   | <.07   | <7  | <.1   | <.2   | E.04  |

| DATE     | BENZENE<br>135-TRI-<br>METHYL<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(77226) | BENZENE<br>1,3-DI-<br>CHLORO-<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(34566) | BENZENE<br>1,4-DI-<br>CHLORO-<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(34571) | ISO-<br>PROPYL-<br>BENZENE<br>WATER<br>WHOLE<br>REC<br>(µG/L)<br>(77223) | BENZENE<br>N-BUTYL<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(77342) | BENZENE<br>N-PROPY<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(77224) | BENZENE<br>O-DI-<br>CHLORO-<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(34536) | BENZENE<br>TOTAL<br>(µG/L)<br>(34030) | BROMO-<br>FORM<br>TOTAL<br>(µG/L)<br>(32104) | CARBON<br>DI-<br>SULFIDE<br>WATER<br>WHOLE<br>TOTAL<br>(µG/L)<br>(77041) |
|----------|---|---|---|--|--|--|---|---------------------------------------|--|--|
| OCT 1999 |   |   |   |  |  |  |   |                                       |  |  |
| 06...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | <.04                                  | <.06   | <.07   |
| 20...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.03                                  | <.06   | <.07   |
| NOV      |   |   |   |  |  |  |   |                                       |  |  |
| 08...    | E.02  | <.05  | <.05  | <.03   | <.2  | E.01   | <.05  | E.06                                  | <.06   | <.07   |
| 18...    | E.02  | <.05  | E.01  | <.03   | <.2  | E.01   | <.05  | E.04                                  | <.06   | <.07   |
| DEC      |   |   |   |  |  |  |   |                                       |  |  |
| 01...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.03                                  | <.06   | <.07   |
| 15...    | <.04  | <.05  | E.01  | <.03   | <.2  | <.04   | <.05  | E.02                                  | <.06   | <.07   |
| JAN 2000 |   |   |   |  |  |  |   |                                       |  |  |
| 11...    | <.04  | <.05  | E.02  | <.03   | <.2  | <.04   | <.05  | E.04                                  | <.06   | <.07   |
| FEB      |   |   |   |  |  |  |   |                                       |  |  |
| 17...    | <.04  | <.05  | E.02  | <.03   | <.2  | <.04   | <.05  | E.04                                  | <.06   | <.07   |
| 29...    | <.04  | <.05  | E.01  | <.03   | <.2  | <.04   | <.05  | E.02                                  | <.06   | <.07   |
| MAR      |   |   |   |  |  |  |   |                                       |  |  |
| 09...    | E.03  | <.05  | E.01  | <.03   | <.2  | E.01   | <.05  | E.07                                  | <.06   | <.07   |
| 22...    | <.04  | <.05  | E.01  | <.03   | <.2  | <.04   | <.05  | E.01                                  | <.06   | E.03   |
| APR      |   |   |   |  |  |  |   |                                       |  |  |
| 06...    | E.05  | <.05  | <.05  | <.03   | M  | E.02   | <.05  | E.09                                  | <.06   | <.07   |
| 18...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.02                                  | <.06   | <.07   |
| MAY      |   |   |   |  |  |  |   |                                       |  |  |
| 02...    | E.07  | <.05  | <.05  | E.01   | <.2  | E.02   | <.05  | E.08                                  | <.06   | <.07   |
| JUN      |   |   |   |  |  |  |   |                                       |  |  |
| 07...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.03                                  | <.06   | <.07   |
| 20...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.03                                  | <.06   | <.07   |
| JUL      |   |   |   |  |  |  |   |                                       |  |  |
| 10...    | <.04  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.02                                  | E.06   | <.07   |
| AUG      |   |   |   |  |  |  |   |                                       |  |  |
| 15...    | E.02  | <.05  | <.05  | <.03   | <.2  | <.04   | <.05  | E.02                                  | <.06   | <.07   |

## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | CARBON<br>TETRA-<br>CHLO-<br>RIDE<br>TOTAL<br>(µG/L)<br>(32102) | CHLORO-<br>BENZENE<br>TOTAL<br>(µG/L)<br>(34301)              | CHLORO-<br>DI-<br>BROMO-<br>METHANE<br>TOTAL<br>(µG/L)<br>(32105)              | CHLORO-<br>ETHANE<br>TOTAL<br>(µG/L)<br>(34311)                    | CHLORO-<br>FORM<br>TOTAL<br>(µG/L)<br>(32106)                            | CIS-1,2<br>-DI-<br>CHLORO-<br>ETHENE<br>WATER<br>TOTAL<br>(µG/L)<br>(77093) | BROMO-<br>DI-<br>CHLORO-<br>METHANE<br>TOTAL<br>(µG/L)<br>(32101) | ETHER<br>ETHYL<br>WATER<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(81576)          | ETHER<br>TERT-<br>BUTYL<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(50004)          | ETHER<br>TERT-<br>PENTYL<br>METHYL<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(50005) |
|----------|---|---|--|--|--|---|---|---|---|---|
|          | OCT 1999  |   |  |  |  |   |   |   |   |   |
| 06...    | <.06  | <.03  | <.2  | <.1  | E.10   | E.02  | <.05  | <.2   | <.05  | <.1   |
| 20...    | <.06  | <.03  | <.2  | <.1  | .12  | <.04  | E.06  | <.2   | <.05  | <.1   |
| NOV      |   |   |  |  |  |   |   |   |   |   |
| 08...    | <.06  | <.03  | <.2  | <.1  | .14  | E.02  | E.05  | <.2   | <.05  | <.1   |
| 18...    | <.06  | <.03  | <.2  | <.1  | .14  | E.01  | E.06  | M   | <.05  | <.1   |
| DEC      |   |   |  |  |  |   |   |   |   |   |
| 01...    | <.06  | <.03  | <.2  | <.1  | E.09   | E.01  | <.05  | <.2   | <.05  | <.1   |
| 15...    | <.06  | <.03  | <.2  | <.1  | E.05   | E.02  | E.01  | <.2   | <.05  | M   |
| JAN 2000 |   |   |  |  |  |   |   |   |   |   |
| 11...    | <.06  | <.03  | <.2  | <.1  | .13  | E.03  | E.05  | <.2   | <.05  | <.1   |
| FEB      |   |   |  |  |  |   |   |   |   |   |
| 17...    | <.06  | <.03  | <.2  | <.1  | E.08   | E.02  | E.03  | <.2   | <.05  | <.1   |
| 29...    | <.06  | <.03  | <.2  | <.1  | E.05   | E.02  | E.01  | <.2   | <.05  | <.1   |
| MAR      |   |   |  |  |  |   |   |   |   |   |
| 09...    | <.06  | <.03  | <.2  | <.1  | .11  | E.02  | E.03  | <.2   | <.05  | M   |
| 22...    | <.06  | <.03  | <.2  | <.1  | E.03   | E.01  | <.05  | <.2   | <.05  | <.1   |
| APR      |   |   |  |  |  |   |   |   |   |   |
| 06...    | <.06  | <.03  | <.2  | <.1  | E.06   | <.04  | <.05  | <.2   | <.05  | <.1   |
| 18...    | <.06  | <.03  | <.2  | <.1  | .11  | <.04  | <.05  | <.2   | <.05  | <.1   |
| MAY      |   |   |  |  |  |   |   |   |   |   |
| 02...    | <.06  | <.03  | <.2  | <.1  | .14  | E.02  | E.06  | <.2   | <.05  | M   |
| JUN      |   |   |  |  |  |   |   |   |   |   |
| 07...    | <.06  | <.03  | <.2  | <.1  | .11  | <.04  | E.04  | <.2   | <.05  | M   |
| 20...    | <.06  | <.03  | <.2  | <.1  | .15  | <.04  | E.05  | <.2   | <.05  | <.1   |
| JUL      |   |   |  |  |  |   |   |   |   |   |
| 10...    | <.06  | <.03  | <.2  | <.1  | .11  | <.04  | E.05  | <.2   | <.05  | E.1   |
| AUG      |   |   |  |  |  |   |   |   |   |   |
| 15...    | <.06  | <.03  | <.2  | <.1  | E.09   | <.04  | E.03  | <.2   | <.05  | M   |
|          |   |   |  |  |  |   |   |   |   |   |
| DATE     | ETHYL-<br>BENZENE<br>TOTAL<br>(µG/L)<br>(34371)                 | FREON-<br>113<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(77652) | FURAN,<br>TETRA-<br>HYDRO-<br>WATER<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(81607) | ISO-<br>DURENE<br>WATER<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(50000) | METHYL<br>TERT-<br>BUTYL<br>ETHER<br>WAT UNF<br>REC<br>(µG/L)<br>(78032) | METHYL-<br>CHLO-<br>RIDE<br>TOTAL<br>(µG/L)<br>(34418)                      | METHYL<br>ENE<br>CHLO-<br>RIDE<br>TOTAL<br>(µG/L)<br>(34423)      | METHYL-<br>ETHYL-<br>KETONE<br>WATER<br>WHOLE<br>TOTAL<br>(µG/L)<br>(81595) | METHYL<br>ISO-<br>BUTYL<br>KETONE<br>WAT. WH.<br>TOTAL<br>(µG/L)<br>(78133) | META/<br>PARA-<br>XYLENE<br>WATER<br>UNFLTRD<br>REC<br>(µG/L)<br>(85795)      |
| OCT 1999 |   |   |  |  |  |   |   |   |   |   |
| 06...    | <.03  | <.06  | <2   | <.2  | E.2  | <.5   | <.4   | <2  | <.4   | <.06  |
| 20...    | <.03  | <.06  | <2   | <.2  | .6   | <.5   | <.4   | <2  | <.4   | E.05  |
| NOV      |   |   |  |  |  |   |   |   |   |   |
| 08...    | E.02  | <.06  | <2   | <.2  | .5   | <.5   | <.4   | <2  | <.4   | E.10  |
| 18...    | E.02  | <.06  | <2   | <.2  | .6   | E.1   | M   | <2  | E.1   | E.11  |
| DEC      |   |   |  |  |  |   |   |   |   |   |
| 01...    | <.03  | <.06  | <2   | <.2  | E.2  | <.5   | <.4   | <2  | <.4   | <.06  |
| 15...    | E.01  | <.06  | <2   | <.2  | .3   | <.5   | M   | <2  | E.1   | E.02  |
| JAN 2000 |   |   |  |  |  |   |   |   |   |   |
| 11...    | <.03  | <.06  | <2   | <.2  | .3   | <.5   | <.4   | <2  | <.4   | E.02  |
| FEB      |   |   |  |  |  |   |   |   |   |   |
| 17...    | E.01  | <.06  | <2   | <.2  | .5   | <.5   | E.1   | <2  | 1.1   | E.03  |
| 29...    | <.03  | <.06  | <2   | <.2  | E.1  | <.5   | M   | <2  | <.4   | <.06  |
| MAR      |   |   |  |  |  |   |   |   |   |   |
| 09...    | E.05  | <.06  | <2   | <.2  | .9   | <.5   | M   | E1  | <.4   | .22   |
| 22...    | <.03  | <.06  | <2   | <.2  | .2   | <.5   | <.4   | M   | E.1   | <.06  |
| APR      |   |   |  |  |  |   |   |   |   |   |
| 06...    | E.07  | <.06  | <2   | M  | 1.1  | <.5   | <.4   | <2  | <.4   | .37   |
| 18...    | <.03  | <.06  | <2   | <.2  | .5   | <.5   | <.4   | <2  | <.4   | <.06  |
| MAY      |   |   |  |  |  |   |   |   |   |   |
| 02...    | E.07  | <.06  | <2   | M  | 1.4  | <.5   | M   | <2  | <.4   | .40   |
| JUN      |   |   |  |  |  |   |   |   |   |   |
| 07...    | E.01  | <.06  | <2   | <.2  | .6   | <.5   | <.4   | <2  | <.4   | E.07  |
| 20...    | <.03  | <.06  | <2   | <.2  | 1.2  | <.5   | <.4   | <2  | <.4   | E.05  |
| JUL      |   |   |  |  |  |   |   |   |   |   |
| 10...    | <.03  | <.06  | <2   | <.2  | 1.9  | <.5   | <.4   | <2  | <.4   | E.03  |
| AUG      |   |   |  |  |  |   |   |   |   |   |
| 15...    | E.01  | <.06  | <2   | <.2  | 1.1  | <.5   | <.4   | <2  | <.4   | E.09  |

## SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | NAPHTH-<br>ALENE<br>TOTAL<br>(µG/L)<br>(34696) | O-<br>CHLORO-<br>TOLUENE<br>WATER<br>TOTAL<br>(µG/L)<br>(77275) | O-<br>XYLENE<br>WATER<br>TOTAL<br>(µG/L)<br>(77135) | P-ISO-<br>PROPYL-<br>TOLUENE<br>WATER<br>WHOLE<br>REC<br>(µG/L)<br>(77356) | STYRENE<br>TOTAL<br>(µG/L)<br>(77128) | TETRA-<br>CHLORO-<br>ETHYL-<br>ENE<br>TOTAL<br>(µG/L)<br>(34475) | TOLUENE<br>O-ETHYL<br>WATER<br>UNFLTRD<br>RECOVER<br>(µG/L)<br>(77220) | TOLUENE<br>TOTAL<br>(µG/L)<br>(34010) | TRI-<br>CHLORO-<br>ETHYL-<br>ENE<br>TOTAL<br>(µG/L)<br>(39180) | TRI-<br>CHLORO-<br>FLUORO-<br>METHANE<br>TOTAL<br>(µG/L)<br>(34488) |
|----------|--|---|---|--|---------------------------------------|--|--|---------------------------------------|--|---|
| OCT 1999 |  |   |   |  |                                       |  |  |                                       |  |   |
| 06...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | <.1  | <.06   | <.05                                  | <.04   | <.09  |
| 20...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | E.07                                  | E.02   | <.09  |
| NOV      |  |   |   |  |                                       |  |  |                                       |  |   |
| 08...    | <.2  | <.04  | E.04  | <.07   | <.04                                  | M  | E.02   | .12                                   | E.03   | <.09  |
| 18...    | <.2  | <.04  | E.05  | <.07   | <.04                                  | M  | E.01   | .15                                   | E.03   | <.09  |
| DEC      |  |   |   |  |                                       |  |  |                                       |  |   |
| 01...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | <.05                                  | E.02   | <.09  |
| 15...    | <.2  | <.04  | E.01  | <.07   | M                                     | M  | <.06   | E.08                                  | E.03   | <.09  |
| JAN 2000 |  |   |   |  |                                       |  |  |                                       |  |   |
| 11...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | E.07                                  | E.04   | <.09  |
| FEB      |  |   |   |  |                                       |  |  |                                       |  |   |
| 17...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | .12                                   | E.05   | <.09  |
| 29...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | .11                                   | E.07   | <.09  |
| MAR      |  |   |   |  |                                       |  |  |                                       |  |   |
| 09...    | <.2  | <.04  | E.09  | <.07   | E.01                                  | M  | E.02   | .34                                   | E.04   | <.09  |
| 22...    | <.2  | <.04  | <.04  | E.01   | <.04                                  | M  | <.06   | .97                                   | E.09   | <.09  |
| APR      |  |   |   |  |                                       |  |  |                                       |  |   |
| 06...    | <.2  | <.04  | .14   | <.07   | <.04                                  | M  | E.03   | .49                                   | E.02   | <.09  |
| 18...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | E.08                                  | E.03   | <.09  |
| MAY      |  |   |   |  |                                       |  |  |                                       |  |   |
| 02...    | <.2  | <.04  | .16   | <.07   | E.01                                  | M  | E.03   | .36                                   | E.03   | <.09  |
| JUN      |  |   |   |  |                                       |  |  |                                       |  |   |
| 07...    | <.2  | <.04  | E.03  | <.07   | <.04                                  | M  | <.06   | E.08                                  | E.02   | <.09  |
| 20...    | <.2  | <.04  | <.04  | <.07   | <.04                                  | M  | <.06   | E.08                                  | E.02   | <.09  |
| JUL      |  |   |   |  |                                       |  |  |                                       |  |   |
| 10...    | <.2  | <.04  | E.01  | <.07   | <.04                                  | M  | <.06   | <.05                                  | E.01   | <.09  |
| AUG      |  |   |   |  |                                       |  |  |                                       |  |   |
| 15...    | <.2  | <.04  | E.04  | <.07   | <.04                                  | M  | <.06   | <.05                                  | E.02   | <.09  |



## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides using laboratory schedule 2001 and LCAA (listed in their entirety, with minimum reporting levels on pages 463 and 466). Only pesticides identified by the analyses in one or more samples are listed in the following table.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | TIME  | SAMPLE TYPE   | ACETO-  | ACETO-   | ACETO-   | ALA-  | ALA-   | ALA-  | ALA-   | ATRA-   |  |   |
|----------|-------|---|---|--|--|---|--|---|--|---|--|---|
|          |       |   | CHLOR<br>ESA<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(61029)    | CHLOR,<br>WATER<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(49260)        | CHLOR<br>OA<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(61030)              | CHLOR<br>OA<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(61031) | CHLOR,<br>(ESA)<br>WAT FLT<br>0.7U<br>REC<br>(µG/L)<br>(50009) | CHLOR,<br>WATER,<br>DISS,<br>REC,<br>(µG/L)<br>(46342)          | WATER,<br>DISS,<br>REC<br>(µG/L)<br>(39632)                              |   |  |   |
| OCT 1999 |       |   |   |  |  |   |  |   |  |   |  |   |
| 06...    | 1130  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .070   | <.002   | .036   |   |  |   |
| NOV      |       |   |   |  |  |   |  |   |  |   |  |   |
| 08...    | 1230  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .180   | <.002   | .032   |   |  |   |
| DEC      |       |   |   |  |  |   |  |   |  |   |  |   |
| 01...    | 1129  | FIELD BLANK   | <.05  | --   | <.05   | <.05  | <.050  | --  | --   |   |  |   |
| 01...    | 1130  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .100   | <.002   | .024   |   |  |   |
| 15...    | 1400  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .160   | E.004   | .025   |   |  |   |
| JAN 2000 |       |   |   |  |  |   |  |   |  |   |  |   |
| 11...    | 1120  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | <.050  | <.002   | .027   |   |  |   |
| FEB      |       |   |   |  |  |   |  |   |  |   |  |   |
| 17...    | 0959  | FIELD BLANK   | <.05  | <.002  | <.05   | <.05  | <.050  | <.002   | <.001  |   |  |   |
| 17...    | 1000  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | <.050  | <.002   | .021   |   |  |   |
| 29...    | 1700  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | <.050  | <.002   | .024   |   |  |   |
| MAR      |       |   |   |  |  |   |  |   |  |   |  |   |
| 09...    | 1200  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .230   | <.002   | .023   |   |  |   |
| 22...    | 1640  | ENVIRONMENTAL   | <.05  | --   | <.05   | <.05  | <.050  | --  | --   |   |  |   |
| APR      |       |   |   |  |  |   |  |   |  |   |  |   |
| 06...    | 1000  | ENVIRONMENTAL   | --  | <.002  | --   | --  | --   | .007  | .025   |   |  |   |
| 18...    | 1420  | ENVIRONMENTAL   | --  | <.002  | --   | --  | --   | .008  | .036   |   |  |   |
| MAY      |       |   |   |  |  |   |  |   |  |   |  |   |
| 02...    | 1350  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .050   | <.002   | .024   |   |  |   |
| 22...    | 1430  | ENVIRONMENTAL   | <.05  | .085   | <.05   | <.05  | <.050  | .046  | 1.71   |   |  |   |
| 22...    | 1431  | SPLIT REPLICATE   | --  | .086   | --   | --  | --   | .047  | 1.73   |   |  |   |
| JUN      |       |   |   |  |  |   |  |   |  |   |  |   |
| 07...    | 1240  | ENVIRONMENTAL   | <.05  | .009   | <.05   | <.05  | .050   | .005  | .225   |   |  |   |
| 20...    | 1220  | ENVIRONMENTAL   | <.05  | .017   | <.05   | <.05  | <.050  | .008  | .254   |   |  |   |
| 29...    | 1140  | ENVIRONMENTAL   | .28   | .025   | .05  | <.05  | .220   | .011  | .603   |   |  |   |
| JUL      |       |   |   |  |  |   |  |   |  |   |  |   |
| 10...    | 1410  | ENVIRONMENTAL   | .06   | <.002  | <.05   | <.05  | .070   | <.002   | .287   |   |  |   |
| AUG      |       |   |   |  |  |   |  |   |  |   |  |   |
| 03...    | 0950  | ENVIRONMENTAL   | <.05  | <.004  | <.05   | <.05  | .100   | .008  | .196   |   |  |   |
| 15...    | 1540  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .050   | .005  | .073   |   |  |   |
| 31...    | 1100  | ENVIRONMENTAL   | <.05  | <.002  | <.05   | <.05  | .060   | <.002   | .075   |   |  |   |
|          |       |   |   |  |  |   |  |   |  |   |  |   |
| DATE     |       | BEN-<br>FLUR-<br>ALIN<br>WAT FLD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82673) | BUTYL-<br>ATE,<br>WATER,<br>DISS,<br>GF, REC<br>(µG/L)<br>(04028) | CAR-<br>BARYL<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82680) | CARBO-<br>FURAN<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82674) | CHLOR-<br>PYRIFOS<br>DIS-<br>SOLVED<br>(µG/L)<br>(38933)      | CYANA-<br>ZINE,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04041) | DCPA<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82682) | DEETHYL<br>ATRA-<br>ZINE,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04040) | DI-<br>AZINON,<br>DIS-<br>SOLVED<br>(µG/L)<br>(39572) | DI-<br>ELDRIN<br>DIS-<br>SOLVED<br>(µG/L)<br>(39381) | EPTC<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82668) |
| OCT 1999 |       |   |   |  |  |   |  |   |  |   |  |   |
| 06...    | <.002 | <.002   | E.009   | <.003  | <.004  | <.004   | <.002  | E.043   | .007   | <.001   | <.002  |   |
| NOV      |       |   |   |  |  |   |  |   |  |   |  |   |
| 08...    | <.002 | <.002   | E.007   | <.003  | <.004  | <.004   | <.002  | E.033   | <.004  | <.001   | <.002  |   |
| DEC      |       |   |   |  |  |   |  |   |  |   |  |   |
| 01...    | --    | --  | --  | --   | --   | --  | --   | --  | --   | --  | --   |   |
| 01...    | <.002 | <.002   | <.003   | <.003  | <.004  | <.004   | <.002  | E.033   | <.002  | <.001   | <.002  |   |
| 15...    | <.002 | <.002   | E.004   | <.003  | <.004  | <.007   | E.002  | E.024   | .009   | <.001   | <.002  |   |
| JAN 2000 |       |   |   |  |  |   |  |   |  |   |  |   |
| 11...    | <.002 | <.002   | E.026   | <.003  | E.005  | <.004   | <.002  | E.042   | E.003  | <.001   | <.002  |   |
| FEB      |       |   |   |  |  |   |  |   |  |   |  |   |
| 17...    | <.002 | <.002   | <.003   | <.003  | <.004  | <.004   | <.002  | <.002   | <.002  | <.001   | <.002  |   |
| 17...    | <.002 | <.002   | E.049   | <.003  | <.004  | <.004   | <.002  | E.030   | <.005  | <.001   | <.002  |   |
| 29...    | <.002 | <.002   | <.003   | <.003  | <.004  | <.004   | <.002  | E.040   | <.002  | <.001   | <.002  |   |
| MAR      |       |   |   |  |  |   |  |   |  |   |  |   |
| 09...    | <.002 | <.002   | <.003   | <.003  | <.004  | <.004   | <.002  | E.036   | <.002  | <.001   | <.002  |   |
| 22...    | --    | --  | --  | --   | --   | --  | --   | --  | --   | --  | --   |   |
| APR      |       |   |   |  |  |   |  |   |  |   |  |   |
| 06...    | <.002 | <.002   | E.005   | <.003  | E.003  | <.004   | <.002  | E.041   | .010   | <.001   | <.002  |   |
| 18...    | <.005 | <.002   | E.016   | <.003  | <.004  | <.004   | <.002  | E.034   | .024   | <.001   | <.002  |   |
| MAY      |       |   |   |  |  |   |  |   |  |   |  |   |
| 02...    | <.002 | <.002   | E.007   | <.003  | <.004  | <.004   | <.002  | E.048   | .004   | <.001   | <.002  |   |
| 22...    | <.002 | <.002   | E.023   | <.003  | .004   | <.004   | E.001  | E.099   | .023   | <.001   | <.002  |   |
| 22...    | <.002 | <.002   | E.022   | <.003  | .005   | <.004   | E.001  | E.087   | .023   | <.001   | <.002  |   |
| JUN      |       |   |   |  |  |   |  |   |  |   |  |   |
| 07...    | <.002 | <.002   | E.014   | <.003  | <.004  | .010  | <.002  | E.066   | .010   | <.001   | <.002  |   |
| 20...    | <.002 | <.002   | E.010   | <.003  | <.004  | .014  | <.002  | E.069   | .035   | <.001   | <.002  |   |
| 29...    | <.002 | <.002   | E.007   | E.025  | E.004  | .018  | <.002  | E.091   | .013   | <.001   | <.002  |   |
| JUL      |       |   |   |  |  |   |  |   |  |   |  |   |
| 10...    | <.002 | <.002   | <.003   | <.003  | <.004  | .008  | <.002  | E.11  | .005   | <.001   | <.002  |   |
| AUG      |       |   |   |  |  |   |  |   |  |   |  |   |
| 03...    | <.002 | <.002   | E.016   | <.030  | E.003  | .009  | <.002  | E.067   | .088   | <.001   | <.002  |   |
| 15...    | <.002 | <.002   | E.62  | <.003  | <.004  | <.020   | <.002  | E.042   | .030   | <.001   | <.002  |   |
| 31...    | <.002 | <.002   | E.008   | <.040  | E.002  | .006  | <.002  | E.049   | .012   | <.001   | <.002  |   |

## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

## WATER-COLUMN PESTICIDE ANALYSES--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DATE     | FONOFOS<br>WATER<br>DISS<br>REC<br>(µG/L)<br>(04095)                        | LINDANE<br>DIS-<br>SOLVED<br>(µG/L)<br>(39341)                | LIN-<br>URON<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82666)   | MALA-<br>THION,<br>DIS-<br>SOLVED<br>(µG/L)<br>(39532)          | METHYL<br>AZIN-<br>PHOS<br>WAT FLT<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82686) | METOLA-<br>CHLOR<br>ESA<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(61043) | METOLA-<br>CHLOR<br>OA<br>FLTRD<br>0.7 µM<br>GF REC<br>(µG/L)<br>(61044)    | METO-<br>LACHLOR<br>WATER<br>DISSOLV<br>(µG/L)<br>(39415)                | METRI-<br>BUZIN<br>SENCOR<br>WATER<br>DISSOLV<br>(µG/L)<br>(82630)       | NAPROP-<br>AMIDE<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82684) | P, P'<br>DDE<br>DISSOLV<br>(µG/L)<br>(34653)                              |
|----------|---|---|---|---|---|---|---|--|--|---|---|
| OCT 1999 |   |   |   |   |   |   |   |  |  |   |   |
| 06...    | <.003   | <.004   | <.002   | <.005   | <.001   | .65   | .16   | .035   | <.004  | <.003   | <.006   |
| NOV      |   |   |   |   |   |   |   |  |  |   |   |
| 08...    | <.003   | <.004   | <.002   | <.005   | <.001   | .61   | .14   | .030   | <.004  | <.003   | <.006   |
| DEC      |   |   |   |   |   |   |   |  |  |   |   |
| 01...    | --  | --  | --  | --  | --  | <.05  | <.05  | --   | --   | --  | --  |
| 01...    | <.003   | <.004   | <.002   | <.005   | <.001   | .51   | .09   | .020   | <.004  | <.003   | <.006   |
| 15...    | <.003   | <.004   | <.002   | <.005   | <.001   | .97   | .37   | .046   | <.004  | .014  | <.006   |
| JAN 2000 |   |   |   |   |   |   |   |  |  |   |   |
| 11...    | <.003   | <.004   | <.002   | <.005   | <.001   | .38   | .06   | .020   | <.010  | <.003   | <.006   |
| FEB      |   |   |   |   |   |   |   |  |  |   |   |
| 17...    | <.003   | <.004   | <.002   | <.005   | <.001   | <.05  | <.05  | <.002  | <.004  | <.003   | E.001   |
| 17...    | <.003   | <.004   | <.002   | .021  | <.001   | .45   | .07   | .016   | <.004  | <.003   | <.006   |
| 29...    | <.003   | <.004   | <.002   | <.005   | <.001   | .51   | .24   | .025   | <.004  | <.003   | <.006   |
| MAR      |   |   |   |   |   |   |   |  |  |   |   |
| 09...    | <.003   | <.004   | <.002   | <.005   | <.001   | .37   | <.05  | .016   | <.004  | <.003   | <.006   |
| 22...    | --  | --  | --  | --  | --  | .20   | .06   | --   | --   | --  | --  |
| APR      |   |   |   |   |   |   |   |  |  |   |   |
| 06...    | <.003   | <.004   | <.002   | <.005   | <.001   | --  | --  | .027   | <.004  | <.003   | <.006   |
| 18...    | <.003   | <.004   | <.002   | <.005   | <.001   | --  | --  | .029   | <.004  | <.003   | <.006   |
| MAY      |   |   |   |   |   |   |   |  |  |   |   |
| 02...    | <.003   | <.004   | <.002   | <.005   | <.001   | .44   | <.05  | .016   | <.004  | <.003   | <.006   |
| 22...    | <.003   | <.004   | <.002   | <.005   | <.001   | .35   | .05   | .689   | .008   | <.003   | <.006   |
| 22...    | <.003   | <.004   | <.002   | <.005   | <.001   | --  | --  | .690   | .009   | <.003   | <.006   |
| JUN      |   |   |   |   |   |   |   |  |  |   |   |
| 07...    | <.003   | <.004   | <.002   | <.005   | <.001   | .49   | .11   | .082   | <.004  | <.003   | <.006   |
| 20...    | <.003   | <.004   | <.002   | <.005   | <.010   | .41   | .05   | .088   | <.004  | <.003   | <.006   |
| 29...    | <.003   | <.004   | <.002   | <.005   | <.001   | .53   | .22   | .216   | <.004  | <.003   | <.006   |
| JUL      |   |   |   |   |   |   |   |  |  |   |   |
| 10...    | <.003   | <.004   | <.002   | <.005   | <.001   | .47   | .10   | .094   | <.004  | <.003   | <.006   |
| AUG      |   |   |   |   |   |   |   |  |  |   |   |
| 03...    | <.003   | <.004   | <.002   | <.005   | <.001   | .39   | .12   | .100   | <.004  | <.003   | <.006   |
| 15...    | <.003   | <.004   | <.002   | <.005   | <.001   | .52   | .08   | .033   | <.004  | <.003   | <.006   |
| 31...    | <.003   | <.004   | <.002   | <.005   | <.001   | .36   | .07   | .019   | <.004  | <.003   | <.006   |
|          |   |   |   |   |   |   |   |  |  |   |   |
| DATE     | PENDI-<br>METH-<br>ALIN<br>WAT FLT<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82683) | PRO-<br>METON,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04037) | PRON-<br>AMIDE<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82676) | PROPA-<br>CHLOR,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04024) | PRO-<br>PANIL<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82679)    | SI-<br>MAZINE,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04035)             | TEBU-<br>THIURON<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82670) | TER-<br>BACIL<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82665) | TER-<br>BUTHYL-<br>AZINE,<br>WATER,<br>DISS,<br>REC<br>(µG/L)<br>(04022) | TRIAL-<br>LATE<br>WATER<br>FLTRD<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82678)   | TRI-<br>FLUR-<br>ALIN<br>WAT FLT<br>0.7 µ<br>GF, REC<br>(µG/L)<br>(82661) |
| OCT 1999 |   |   |   |   |   |   |   |  |  |   |   |
| 06...    | <.004   | E.015   | <.003   | <.007   | <.004   | .042  | <.010   | <.007  | <.005  | <.001   | <.002   |
| NOV      |   |   |   |   |   |   |   |  |  |   |   |
| 08...    | <.004   | E.012   | <.003   | <.007   | <.004   | .015  | E.006   | <.007  | <.005  | <.001   | <.002   |
| DEC      |   |   |   |   |   |   |   |  |  |   |   |
| 01...    | --  | --  | --  | --  | --  | --  | --  | --   | --   | --  | --  |
| 01...    | <.004   | E.012   | <.003   | <.007   | <.004   | .020  | <.010   | <.007  | <.005  | <.001   | <.002   |
| 15...    | E.001   | E.012   | <.003   | <.007   | <.004   | .013  | E.003   | <.007  | <.005  | <.001   | <.002   |
| JAN 2000 |   |   |   |   |   |   |   |  |  |   |   |
| 11...    | <.004   | E.012   | <.003   | <.007   | <.004   | .013  | <.010   | <.007  | <.005  | <.001   | <.002   |
| FEB      |   |   |   |   |   |   |   |  |  |   |   |
| 17...    | <.004   | <.018   | <.003   | <.007   | <.004   | <.005   | <.010   | <.007  | <.005  | <.001   | <.002   |
| 17...    | <.004   | E.015   | <.003   | <.007   | <.004   | .010  | <.010   | <.007  | <.005  | <.001   | <.002   |
| 29...    | <.004   | E.010   | <.003   | <.007   | <.004   | .014  | <.010   | <.007  | <.005  | <.001   | <.002   |
| MAR      |   |   |   |   |   |   |   |  |  |   |   |
| 09...    | <.004   | E.009   | <.003   | <.007   | <.004   | .012  | <.010   | <.007  | <.005  | <.001   | <.002   |
| 22...    | --  | --  | --  | --  | --  | --  | --  | --   | --   | --  | --  |
| APR      |   |   |   |   |   |   |   |  |  |   |   |
| 06...    | <.004   | E.015   | <.003   | <.007   | <.004   | .030  | .013  | <.007  | --   | <.001   | <.002   |
| 18...    | <.030   | <.018   | <.003   | <.007   | <.004   | .039  | .012  | <.007  | --   | <.001   | <.005   |
| MAY      |   |   |   |   |   |   |   |  |  |   |   |
| 02...    | <.006   | E.013   | <.003   | <.007   | <.004   | .017  | E.010   | <.007  | --   | <.001   | <.002   |
| 22...    | .033  | .034  | <.003   | <.007   | <.004   | .068  | .014  | <.007  | --   | <.001   | <.002   |
| 22...    | .034  | .030  | <.003   | <.007   | <.004   | .067  | .013  | <.007  | --   | <.001   | <.002   |
| JUN      |   |   |   |   |   |   |   |  |  |   |   |
| 07...    | .007  | .019  | <.003   | <.007   | <.004   | .046  | E.008   | <.007  | E.003  | <.001   | E.002   |
| 20...    | .016  | .025  | <.003   | <.007   | <.004   | .031  | .012  | <.007  | E.005  | <.001   | E.004   |
| 29...    | .016  | .026  | <.003   | <.007   | <.004   | .043  | E.006   | <.007  | --   | <.001   | <.002   |
| JUL      |   |   |   |   |   |   |   |  |  |   |   |
| 10...    | <.004   | E.016   | <.003   | <.007   | <.004   | .040  | <.010   | <.007  | --   | <.001   | <.002   |
| AUG      |   |   |   |   |   |   |   |  |  |   |   |
| 03...    | <.009   | .030  | <.003   | <.007   | <.004   | .039  | E.009   | <.007  | --   | <.001   | <.002   |
| 15...    | <.004   | .027  | <.003   | <.007   | <.004   | .030  | E.009   | <.007  | --   | <.001   | <.002   |
| 31...    | <.004   | .027  | <.003   | <.007   | <.004   | .022  | E.006   | <.007  | E.012  | <.001   | <.002   |

## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DAY   | MAX      | MIN  | MEAN | MAX      | MIN  | MEAN | MAX      | MIN  | MEAN | MAX     | MIN  | MEAN |
|-------|----------|------|------|----------|------|------|----------|------|------|---------|------|------|
|       | OCTOBER  |      |      | NOVEMBER |      |      | DECEMBER |      |      | JANUARY |      |      |
| 1     | ---      | ---  | ---  | ---      | ---  | ---  | 7.5      | 5.5  | 6.5  | 3.5     | 3.0  | 3.5  |
| 2     | 19.0     | 18.0 | 18.5 | ---      | ---  | ---  | 5.5      | 5.0  | 5.0  | 5.0     | 3.5  | 4.0  |
| 3     | 19.0     | 18.0 | 18.0 | ---      | ---  | ---  | 5.5      | 4.5  | 5.0  | 5.5     | 5.0  | 5.0  |
| 4     | 18.5     | 18.0 | 18.5 | ---      | ---  | ---  | 6.5      | 5.0  | 5.5  | 7.5     | 5.5  | 6.5  |
| 5     | 18.0     | 17.0 | 17.5 | ---      | ---  | ---  | 7.5      | 6.0  | 6.5  | 8.0     | 7.0  | 7.5  |
| 6     | 22.5     | 14.0 | 18.5 | ---      | ---  | ---  | 8.0      | 7.0  | 7.5  | 7.5     | 6.5  | 7.0  |
| 7     | 24.0     | 22.5 | 23.0 | ---      | ---  | ---  | 9.0      | 8.0  | 8.5  | ---     | ---  | ---  |
| 8     | 23.5     | 22.0 | 22.5 | ---      | ---  | ---  | 9.0      | 8.0  | 8.5  | 6.0     | 5.0  | 5.5  |
| 9     | 23.5     | 22.5 | 23.0 | 10.5     | 9.5  | 10.0 | 8.5      | 8.0  | 8.0  | 5.5     | 5.0  | 5.0  |
| 10    | 23.5     | 23.5 | 23.5 | 11.0     | 10.0 | 10.5 | 8.0      | 7.5  | 7.5  | 5.5     | 5.0  | 5.5  |
| 11    | 24.5     | 23.0 | 23.5 | 11.5     | 10.5 | 11.0 | 7.5      | 6.0  | 7.0  | 6.0     | 5.5  | 5.5  |
| 12    | 24.5     | 23.0 | 23.5 | 11.0     | 10.5 | 10.5 | 6.5      | 5.5  | 6.0  | 6.0     | 5.5  | 5.5  |
| 13    | 23.5     | 23.0 | 23.0 | 11.5     | 10.5 | 11.0 | 6.0      | 5.5  | 6.0  | 5.5     | 4.5  | 5.5  |
| 14    | 24.0     | 23.0 | 23.5 | 11.5     | 10.5 | 11.0 | 6.0      | 5.5  | 6.0  | 4.5     | 3.0  | 4.0  |
| 15    | 24.0     | 22.5 | 23.0 | 11.0     | 10.0 | 10.5 | 6.0      | 5.5  | 6.0  | 3.0     | 2.5  | 3.0  |
| 16    | 24.0     | 23.0 | 23.5 | 10.0     | 8.5  | 9.5  | 7.0      | 6.0  | 7.0  | 3.0     | 2.0  | 2.5  |
| 17    | 24.0     | 22.5 | 23.5 | 8.5      | 7.5  | 8.0  | 7.0      | 6.5  | 6.5  | 2.5     | .5   | 1.5  |
| 18    | 24.0     | 23.0 | 23.5 | 8.0      | 7.0  | 7.5  | 6.5      | 6.0  | 6.0  | .5      | .0   | .5   |
| 19    | 23.0     | 22.5 | 23.0 | 8.0      | 7.0  | 7.5  | 6.0      | 5.5  | 6.0  | 1.0     | .0   | .5   |
| 20    | 23.0     | 22.0 | 22.5 | 8.5      | 7.5  | 8.0  | 6.0      | 5.5  | 5.5  | .5      | .0   | .5   |
| 21    | ---      | ---  | ---  | 9.5      | 8.5  | 8.5  | 6.0      | 5.5  | 6.0  | .0      | .0   | .0   |
| 22    | ---      | ---  | ---  | 10.0     | 9.0  | 9.5  | 6.0      | 5.5  | 5.5  | .5      | .0   | .5   |
| 23    | ---      | ---  | ---  | 10.5     | 10.0 | 10.5 | 5.5      | 4.5  | 5.0  | .0      | .0   | .0   |
| 24    | ---      | ---  | ---  | 12.0     | 10.5 | 11.5 | 4.5      | 3.5  | 4.0  | .5      | .0   | .5   |
| 25    | ---      | ---  | ---  | 12.0     | 11.5 | 12.0 | 3.5      | 2.5  | 3.0  | .5      | .0   | .5   |
| 26    | ---      | ---  | ---  | 13.5     | 12.0 | 12.5 | 2.5      | 1.5  | 2.0  | .0      | .0   | .0   |
| 27    | ---      | ---  | ---  | 13.5     | 12.5 | 13.5 | 2.0      | 1.5  | 1.5  | .5      | .0   | .0   |
| 28    | ---      | ---  | ---  | 12.5     | 11.0 | 12.0 | 1.5      | 1.0  | 1.5  | .0      | .0   | .0   |
| 29    | ---      | ---  | ---  | 11.0     | 9.5  | 10.5 | 2.5      | 1.5  | 1.5  | .5      | .0   | .5   |
| 30    | ---      | ---  | ---  | 9.5      | 7.5  | 8.5  | 3.0      | 1.5  | 2.0  | .0      | .0   | .0   |
| 31    | ---      | ---  | ---  | ---      | ---  | ---  | 3.0      | 2.5  | 3.0  | .5      | .0   | .5   |
| MONTH | ---      | ---  | ---  | ---      | ---  | ---  | 9.0      | 1.0  | 5.5  | 8.0     | .0   | 2.5  |
| DAY   | MAX      | MIN  | MEAN | MAX      | MIN  | MEAN | MAX      | MIN  | MEAN | MAX     | MIN  | MEAN |
|       | FEBRUARY |      |      | MARCH    |      |      | APRIL    |      |      | MAY     |      |      |
| 1     | .5       | .0   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 16.0    | 14.5 | 15.0 |
| 2     | .5       | .0   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 17.0    | 15.5 | 16.5 |
| 3     | .5       | .0   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 18.0    | 16.0 | 17.0 |
| 4     | .5       | .0   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 19.0    | 17.0 | 18.0 |
| 5     | .5       | .5   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 20.0    | 18.0 | 19.0 |
| 6     | .5       | .5   | .5   | ---      | ---  | ---  | ---      | ---  | ---  | 21.5    | 19.5 | 20.5 |
| 7     | 1.0      | .5   | .5   | ---      | ---  | ---  | 12.5     | 11.5 | 12.0 | 24.0    | 21.0 | 22.5 |
| 8     | 1.5      | 1.0  | 1.0  | ---      | ---  | ---  | 14.5     | 12.0 | 13.0 | 25.0    | 22.5 | 23.5 |
| 9     | 2.0      | 1.5  | 1.5  | ---      | ---  | ---  | 13.5     | 12.0 | 12.5 | 25.5    | 23.5 | 24.5 |
| 10    | 2.5      | 1.5  | 2.0  | ---      | ---  | ---  | 12.0     | 11.0 | 11.5 | 25.0    | 24.5 | 25.0 |
| 11    | 3.0      | 2.5  | 2.5  | ---      | ---  | ---  | 11.5     | 10.5 | 11.0 | 24.5    | 22.5 | 23.5 |
| 12    | 3.0      | 2.5  | 2.5  | ---      | ---  | ---  | 12.0     | 10.5 | 11.0 | 23.5    | 22.0 | 22.5 |
| 13    | 3.0      | 2.5  | 2.5  | ---      | ---  | ---  | 12.0     | 10.5 | 11.0 | 23.0    | 22.0 | 22.5 |
| 14    | 3.0      | 2.0  | 2.5  | ---      | ---  | ---  | 12.0     | 11.0 | 11.5 | 23.0    | 21.5 | 22.0 |
| 15    | 3.5      | 2.0  | 3.0  | ---      | ---  | ---  | 12.5     | 11.5 | 12.0 | 22.0    | 20.5 | 21.5 |
| 16    | 3.0      | 2.0  | 2.5  | ---      | ---  | ---  | 14.0     | 12.5 | 13.0 | 21.0    | 20.0 | 20.5 |
| 17    | ---      | ---  | ---  | ---      | ---  | ---  | 14.0     | 13.5 | 14.0 | 20.5    | 19.5 | 20.0 |
| 18    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 11.5 | 12.5 | 21.5    | 19.5 | 20.5 |
| 19    | ---      | ---  | ---  | ---      | ---  | ---  | 11.5     | 11.0 | 11.5 | 21.0    | 19.5 | 20.5 |
| 20    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 11.0 | 12.5 | 19.5    | 17.5 | 18.5 |
| 21    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 13.0 | 13.0 | 17.5    | 15.5 | 16.0 |
| 22    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 12.0 | 12.5 | 15.5    | 15.0 | 15.0 |
| 23    | ---      | ---  | ---  | ---      | ---  | ---  | 12.0     | 11.5 | 12.0 | 16.0    | 15.0 | 15.5 |
| 24    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 11.5 | 12.5 | 17.0    | 15.5 | 16.5 |
| 25    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 12.5 | 13.0 | 18.0    | 17.0 | 17.5 |
| 26    | ---      | ---  | ---  | ---      | ---  | ---  | 14.0     | 12.5 | 13.0 | 18.5    | 17.0 | 18.0 |
| 27    | ---      | ---  | ---  | ---      | ---  | ---  | 13.0     | 12.5 | 13.0 | 18.0    | 17.5 | 18.0 |
| 28    | ---      | ---  | ---  | ---      | ---  | ---  | 13.5     | 12.5 | 13.0 | 17.5    | 17.0 | 17.5 |
| 29    | ---      | ---  | ---  | ---      | ---  | ---  | 14.0     | 12.5 | 13.5 | 17.5    | 16.5 | 17.0 |
| 30    | ---      | ---  | ---  | ---      | ---  | ---  | 15.5     | 13.5 | 14.5 | 17.0    | 16.5 | 17.0 |
| 31    | ---      | ---  | ---  | ---      | ---  | ---  | ---      | ---  | ---  | 18.0    | 16.5 | 17.0 |
| MONTH | ---      | ---  | ---  | ---      | ---  | ---  | 15.5     | 10.5 | 12.5 | 25.5    | 14.5 | 19.5 |

## SCHUYLKILL RIVER BASIN

## 01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DAY   | MAX  | MIN  | MEAN | MAX  | MIN  | MEAN | MAX    | MIN  | MEAN | MAX       | MIN  | MEAN |
|-------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
|       | JUNE |      |      | JULY |      |      | AUGUST |      |      | SEPTEMBER |      |      |
| 1     | 20.0 | 17.0 | 18.5 | ---  | ---  | ---  | 27.0   | 26.0 | 26.0 | 27.0      | 25.0 | 26.0 |
| 2     | 22.0 | 19.5 | 21.0 | ---  | ---  | ---  | 28.0   | 26.5 | 27.0 | 27.5      | 26.0 | 26.5 |
| 3     | 23.5 | 21.5 | 22.5 | ---  | ---  | ---  | 26.5   | 24.5 | 25.5 | 28.0      | 27.0 | 27.0 |
| 4     | 24.0 | 22.0 | 23.0 | ---  | ---  | ---  | 24.5   | 23.5 | 24.0 | 28.0      | 26.0 | 27.0 |
| 5     | 23.0 | 22.0 | 22.5 | ---  | ---  | ---  | 24.5   | 23.0 | 23.5 | 27.0      | 25.5 | 26.0 |
| 6     | 22.0 | 20.0 | 21.0 | ---  | ---  | ---  | 24.0   | 23.0 | 23.5 | 25.5      | 24.5 | 25.0 |
| 7     | 20.0 | 18.5 | 19.5 | ---  | ---  | ---  | 24.5   | 23.0 | 23.5 | 24.5      | 23.5 | 24.0 |
| 8     | 19.5 | 18.5 | 19.0 | ---  | ---  | ---  | 25.0   | 24.0 | 24.5 | 24.0      | 22.5 | 23.5 |
| 9     | 22.0 | 19.0 | 20.0 | ---  | ---  | ---  | 27.0   | 25.0 | 26.0 | 24.5      | 22.5 | 23.5 |
| 10    | 23.5 | 21.0 | 22.0 | ---  | ---  | ---  | 28.0   | 26.5 | 27.0 | 25.5      | 23.5 | 24.0 |
| 11    | 26.0 | 23.0 | 24.5 | 27.0 | 25.5 | 26.5 | 28.0   | 27.0 | 27.5 | 25.0      | 23.5 | 24.0 |
| 12    | 25.5 | 25.0 | 25.5 | 27.5 | 25.5 | 26.5 | 27.5   | 26.0 | 26.5 | 25.5      | 24.0 | 24.5 |
| 13    | 25.5 | 22.0 | 24.0 | 27.5 | 25.5 | 26.5 | 26.5   | 25.0 | 25.5 | 25.0      | 24.5 | 24.5 |
| 14    | 22.0 | 20.5 | 21.0 | 26.5 | 26.0 | 26.5 | 25.0   | 23.5 | 24.0 | 25.0      | 24.0 | 24.5 |
| 15    | 20.5 | 20.0 | 20.0 | 26.0 | 25.0 | 25.5 | 23.5   | 22.5 | 23.0 | 24.5      | 23.0 | 24.0 |
| 16    | 21.5 | 20.0 | 20.5 | 26.0 | 24.5 | 25.0 | 24.5   | 23.0 | 23.5 | 23.5      | 21.5 | 22.5 |
| 17    | 23.0 | 20.5 | 22.0 | 26.0 | 24.0 | 25.0 | 24.5   | 23.0 | 24.0 | 22.0      | 20.5 | 21.5 |
| 18    | 24.0 | 22.5 | 23.0 | 26.0 | 25.5 | 26.0 | 24.5   | 23.0 | 23.5 | 21.5      | 20.5 | 21.0 |
| 19    | 24.0 | 23.0 | 23.5 | 25.5 | 24.0 | 25.0 | 24.5   | 23.0 | 24.0 | 21.0      | 20.5 | 20.5 |
| 20    | 24.5 | 22.5 | 23.5 | 26.0 | 24.0 | 24.5 | 24.0   | 23.0 | 23.5 | 21.5      | 20.0 | 20.5 |
| 21    | 24.0 | 23.0 | 23.5 | 26.0 | 24.0 | 25.0 | 24.0   | 22.5 | 23.0 | 21.5      | 20.5 | 21.0 |
| 22    | 24.5 | 23.5 | 24.0 | 26.5 | 25.0 | 25.5 | 24.0   | 22.5 | 23.5 | 22.0      | 20.0 | 21.0 |
| 23    | 24.5 | 23.5 | 24.0 | 27.0 | 25.0 | 25.5 | 23.5   | 22.5 | 23.0 | 21.0      | 20.5 | 20.5 |
| 24    | 25.0 | 24.0 | 24.5 | 25.5 | 25.0 | 25.5 | 24.0   | 22.5 | 23.0 | 21.5      | 20.5 | 21.0 |
| 25    | 26.5 | 24.5 | 25.5 | 25.5 | 24.5 | 25.0 | 25.0   | 23.0 | 23.5 | 20.5      | 18.5 | 20.0 |
| 26    | 27.0 | 25.5 | 26.0 | 25.0 | 23.5 | 24.0 | 25.0   | 23.0 | 24.0 | 18.5      | 16.5 | 17.5 |
| 27    | 27.5 | 24.5 | 26.5 | 23.5 | 22.5 | 23.0 | 25.5   | 23.5 | 24.5 | 17.0      | 15.5 | 16.0 |
| 28    | ---  | ---  | ---  | 24.0 | 22.5 | 23.0 | 25.0   | 24.5 | 25.0 | 17.0      | 15.5 | 16.5 |
| 29    | ---  | ---  | ---  | 23.5 | 23.0 | 23.5 | 25.0   | 24.5 | 25.0 | 17.5      | 15.5 | 16.5 |
| 30    | ---  | ---  | ---  | 26.0 | 23.5 | 24.5 | 26.0   | 24.5 | 25.0 | 17.0      | 16.0 | 16.5 |
| 31    | ---  | ---  | ---  | 27.0 | 24.5 | 25.5 | 26.0   | 25.0 | 25.0 | ---       | ---  | ---  |
| MONTH | 27.5 | 17.0 | 22.5 | ---  | ---  | ---  | 28.0   | 22.5 | 24.5 | 28.0      | 15.5 | 22.0 |