

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA

LOCATION.--Lat 39°58'04", long 75°11'20", Philadelphia County, PA, 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 mi².

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.

PERIOD OF DAILY RECORD.--
 SPECIFIC CONDUCTANCE: October 1998 to August 1999.
 WATER TEMPERATURE: October 1998 to August 1999.

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.--These samples were collected as part of the Delaware River Basin National Water Quality Assessment Program (NAWQA). Fish tissue, bed sediment, and fish community data for this site are presented on page 463. Interruptions in the daily record were due to instrument malfunction. For the definitions of the type of quality-control data listed under SAMPLE TYPE, refer to "Quality-control data" in the "Explanation of Records" section.

EXTREMES FOR CURRENT YEAR.--
 WATER TEMPERATURE: Maximum, 30.5°C, Jul 31, Aug 1,2; minimum, 0.0°C, Jan 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 SATURATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE (STAND-ARD) (00400)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
NOV 1998										
16...	1140	ENVIRONMENTAL	731	761	102	11.4	7.5	579	13.5	10.5
DEC										
08...	1005	ENVIRONMENTAL	812	765	92	10.0	7.7	540	10.5	12.0
JAN 1999										
05...	1250	ENVIRONMENTAL	2090	770	132	19.2	7.9	355	.0	.5
FEB										
11...	1445	ENVIRONMENTAL	2770	762	102	13.0	7.9	343	16.0	5.0
MAR										
09...	1015	ENVIRONMENTAL	2770	767	91	12.2	8.1	332	2.5	3.5
09...	1016	SEQUENTIAL REPLICATE	--	--	--	--	--	--	--	--
24...	1120	ENVIRONMENTAL	6160	758	102	12.2	7.9	281	16.0	7.0
APR										
08...	1530	ENVIRONMENTAL	1980	752	122	11.8	8.7	367	30.0	16.0
21...	1410	ENVIRONMENTAL	2380	762	104	11.3	7.8	334	16.0	11.5
MAY										
06...	1000	ENVIRONMENTAL	1760	762	93	8.9	7.7	394	17.0	17.5
20...	1220	ENVIRONMENTAL	1750	763	91	8.4	7.7	430	24.0	19.5
JUN										
03...	1440	ENVIRONMENTAL	978	757	122	9.8	7.8	434	28.5	26.0
15...	1140	ENVIRONMENTAL	921	760	74	6.2	7.8	514	38.0	24.0
JUL										
01...	0930	ENVIRONMENTAL	650	762	--	--	7.5	511	24.0	--
14...	1340	ENVIRONMENTAL	630	766	127	10.4	8.2	567	26.5	26.0
28...	1130	ENVIRONMENTAL	289	757	--	--	7.5	565	34.0	--
AUG										
04...	1140	ENVIRONMENTAL	168	759	121	9.4	7.9	591	--	28.0
18...	1210	ENVIRONMENTAL	680	757	82	6.4	7.7	506	35.0	27.5
SEP										
07...	1545	ENVIRONMENTAL	2290	755	91	7.4	7.8	546	28.0	25.0
13...	1010	ENVIRONMENTAL	812	765	117	9.9	7.4	371	27.0	24.0
17...	1150	ENVIRONMENTAL	53700	759	77	7.3	7.4	143	18.5	18.0

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01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED (MG/L AS NA)	ANC TIT 4.5 LAB (MG/L AS CACO3)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
	(00950)	(00915)	(00925)	(00935)	(00930)	(90410)	(39086)	(00453)	(00452)	(00940)	
NOV 1998											
16...	200	46	20	5.1	35	103	--	--	--	48	.2
DEC											
08...	180	43	19	5.3	33	94	84	102	--	44	.2
JAN 1999											
05...	96	24	8.8	1.2	28	54	52	64	--	49	.1
FEB											
11...	110	27	9.3	3.0	22	58	59	72	--	37	.1
MAR											
09...	100	27	9.2	2.6	19	--	61	74	--	30	<.1
09...	--	--	--	--	--	--	--	--	--	--	--
24...	87	22	7.8	2.5	15	--	50	61	--	26	<.1
APR											
08...	130	32	11	3.0	21	--	69	77	4	33	<.1
21...	110	28	10	2.8	21	--	66	80	--	31	<.1
MAY											
06...	120	30	11	3.6	23	--	82	99	--	36	.1
20...	130	32	12	3.7	27	--	82	100	--	43	.1
JUN											
03...	130	32	13	3.8	27	--	76	93	--	38	<.1
15...	160	37	16	4.4	32	--	83	101	--	49	.2
JUL											
01...	160	36	16	4.9	34	--	74	90	--	52	.2
14...	170	38	18	5.5	42	--	87	106	--	59	.2
28...	160	36	18	5.4	38	--	105	128	--	56	.2
AUG											
04...	170	36	20	5.8	42	--	97	118	--	59	.2
18...	130	31	13	5.5	41	--	74	90	--	56	.2
SEP											
07...	150	37	15	5.2	39	--	89	109	--	60	.2
13...	110	25	11	3.7	24	--	E72	E88	--	33	.1
17...	46	12	3.8	3.4	5.7	--	28	34	--	8.4	.1

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
	(00955)	(00945)	(00608)	(00623)	(00625)	(00602)	(00631)	(00600)	(00613)	(00666)	
NOV 1998											
16...	1.3	96	.14	.5	.7	4.0	3.6	4.3	.06	.34	.31
DEC											
08...	1.6	87	.20	.6	.8	3.8	3.3	4.0	.03	.34	.31
JAN 1999											
05...	4.9	32	.34	.9	2.4	3.1	2.2	4.6	.04	.18	.16
FEB											
11...	8.5	40	.39	.6	.7	3.4	2.8	3.5	.06	.15	.13
MAR											
09...	7.2	36	.17	.4	1.0	3.1	2.7	3.7	.05	.10	.08
09...	--	--	--	--	--	--	--	--	--	--	--
24...	6.4	35	.10	.4	.7	2.6	2.2	2.9	.03	.037	.03
APR											
08...	3.2	47	<.02	.3	.6	2.8	2.4	3.1	.05	.13	.10
21...	6.1	36	.10	.4	.6	2.8	2.4	3.0	.06	.16	.12
MAY											
06...	3.8	46	.22	.5	.8	3.3	2.8	3.6	.09	.27	.22
20...	5.2	45	.22	.5	.6	3.9	3.3	3.9	.08	.35	.31
JUN											
03...	7.0	59	.14	.4	.6	3.3	2.9	3.5	.07	--	.26
15...	8.2	74	.17	.6	.9	3.6	3.0	3.9	.07	.44	.35
JUL											
01...	6.7	74	.10	.5	.6	3.6	3.1	3.7	.05	.47	.37
14...	9.6	82	.12	.5	1.0	3.1	2.6	3.5	.04	.48	.4
28...	8.0	74	.27	.7	1.0	3.3	2.7	3.7	.05	.43	.38
AUG											
04...	7.4	78	.29	.7	1.0	3.3	2.6	3.6	.04	.42	.40
18...	6.4	58	.32	.8	.9	3.9	3.1	4.0	.09	.39	.35
SEP											
07...	6.9	72	.09	.5	.6	4.3	3.7	4.4	.06	.55	.50
13...	6.0	54	.13	.4	.6	2.7	2.3	2.8	.05	.25	.23
17...	5.9	14	.14	.4	1.5	2.5	2.1	3.6	.02	.094	.08

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PENDEDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, PENDEDED (T/DAY) (80155)	SEDIMENT, SUS-PENDEDED (MG/L) (80155)
NOV 1998											
16...	.37	354	329	2	104	30	7	3.3	.4	7.3	4
DEC 08...	.45	325	299	3	84.9	34	39	3.2	.2	20	9
JAN 1999											
05...	.56	207	190	200	37.4	66	55	13	--	1200	213
FEB 11...	.18	201	195	7	36.2	29	110	2.3	--	44	6
MAR 09...	.25	195	181	10	32.6	37	150	2.5	.3	474	63
09...	--	--	--	--	--	--	--	2.5	.4	--	--
24...	.13	169	155	40	18.7	26	67	3.0	.5	564	34
APR 08...	.19	214	203	7	44.4	55	22	2.4	.5	66	12
21...	.30	202	185	--	36.5	52	70	2.7	.2	734	114
MAY 06...	.36	226	217	5	48.5	51	67	2.9	.2	157	33
20...	.36	282	234	7	58.6	34	80	2.9	.3	26	6
JUN 03...	.31	271	240	3	59.7	18	40	3.0	.2	14	5
15...	.49	316	286	8	87.0	15	160	3.5	.3	15	6
JUL 01...	.50	326	284	--	96.0	10	14	3.3	.2	9.3	5
14...	.62	347	321	8	107	66	190	3.7	3.8	14	8
28...	.46	322	313	--	102	<10	240	3.2	.2	6.6	8
AUG 04...	.48	335	320	5	113	<10	340	--	--	--	--
18...	.40	280	271	4	102	<10	18	4.5	.3	7.5	4
SEP 07...	.51	322	308	39	125	14	54	4.8	.2	56	9
13...	.27	216	--	11	56.0	12	57	4.1	.2	12	6
17...	.47	95	80	--	26.9	62	150	6.7	>4.0	56300	388

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES. Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020 (listed with minimum reporting levels in "Explanation of Records" section). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

DATE	TIME	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYLENE TOTAL (UG/L) (34501)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	1,2,3-TRI-CHLORO-BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI-METHYL-WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI-METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI-METHYL WATER UNFLTRD REC (UG/L) (77226)
JAN 1999											
05...	1250	<.74	<.064	<.132	<.088	<10	<.54	<.24	<.38	<.112	<.088
FEB 11...	1445	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	E.0249	<.044
MAR 09...	1015	<.37	E.00795	<.066	<.044	<5	<.27	E.00752	<.19	E.0316	<.044
APR 08...	1530	<.37	<.032	<.066	<.044	<5	<.27	E.0441	<.19	.168	E.0545
MAY 06...	1000	<.37	<.032	<.066	<.044	E2.52	<.27	E.0444	<.19	.160	E.0565
JUN 03...	1440	E.00900	<.032	<.066	<.044	E3.05	<.27	<.12	<.19	E.00979	<.044
JUL 01...	0930	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
AUG 04...	1140	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
SEP 07...	1545	<.37	<.032	<.066	<.044	E3.65	<.27	E.0228	<.19	<.056	<.044
17...	1150	<.07	E.00837	<.066	<.04	E3.73	<.27	E.0365	<.19	.136	E.0439

07...	<.37	<.06	<.042	<.06	<.11	E.0306	<.042	E.0310	<.1	<.05	E.0237
17...	<.37	E.0800	<.042	E.0429	E.0127	<.23	<.042	E.0384	E.0343	.515	E.0241

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

WATER-COLUMN PESTICIDE ANALYSES. Selected samples were analyzed for pesticides on schedules 2001 and LCAA (listed with minimum reporting levels in "Explanation of Records" section). Only pesticides identified by the analyses in one or more samples are listed in the water-quality tables.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	ACETO-CHLOR	ACETO-CHLOR	ACETO-CHLOR	ALA-CHLOR	ALA-CHLOR	ALA-CHLOR	ATRA-ZINE	
			ESA FLTRD 0.7 UG/L (61029)	OA FLTRD 0.7 UG/L (61030)	WATER FLTRD 0.7 UG/L (49260)	OA FLTRD 0.7 UG/L (61031)	(ESA) WAT FLT 0.7U (50009)	WATER, DISS, REC, (46342)	WATER, DISS, REC (39632)	
JAN 1999										
05...	1250	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0389	
FEB										
11...	1445	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0301	
MAR										
09...	1015	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0270	
24...	1120	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.160	<.002	.0233	
APR										
08...	1530	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0260	
21...	1410	ENVIRONMENTAL	.23	<.05	<.002	<.05	.230	<.002	.0264	
MAY										
06...	1000	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.260	<.002	.0289	
20...	1220	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.110	<.002	.0382	
JUN										
03...	1440	ENVIRONMENTAL	<.05	<.05	.0323	<.05	.050	<.002	.321	
15...	1140	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.090	<.002	.107	
JUL										
01...	0930	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.060	<.002	.0728	
14...	1340	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0666	
28...	1130	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0653	
AUG										
04...	1139	FIELD BLANK	<.05	<.05	<.002	<.05	<.050	<.002	<.001	
04...	1140	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0603	
18...	1210	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.102	
SEP										
07...	1545	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0438	
13...	1010	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0348	
17...	1150	ENVIRONMENTAL	<.05	.06	<.002	<.05	<.050	<.002	.0463	
DATE	BEN-FLUR-ALIN WAT FLD 0.7 U (UG/L) (82673)	CAR-BARYL WATER FLTRD 0.7 U (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U (UG/L) (82682)	DEETHYL	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U (UG/L) (82668)
							ATRA-ZINE, WATER, DISS, REC (04040)			
JAN 1999										
05...	<.002	E.0196	<.003	<.004	.0087	<.002	E.0293	<.0250	<.001	<.002
FEB										
11...	<.002	<.003	<.003	<.004	<.004	<.002	E.0245	E.0033	<.001	<.002
MAR										
09...	<.002	<.003	<.003	<.004	<.004	<.002	E.0239	<.002	<.001	<.002
24...	<.002	<.003	<.003	<.004	<.004	<.002	E.0232	E.0028	<.001	<.002
APR										
08...	<.002	<.003	<.003	<.004	<.004	<.002	E.0282	<.002	<.001	<.002
21...	<.002	E.0148	<.003	<.004	<.004	<.002	E.0354	<.002	<.001	<.002
MAY										
06...	<.002	E.0045	<.003	<.004	<.004	<.002	E.0437	E.0036	<.001	<.002
20...	<.002	E.0292	<.003	<.004	<.004	E.0014	E.0276	.0092	<.001	<.002
JUN										
03...	<.002	E.0063	<.003	<.004	.0201	<.002	E.0388	.0106	<.001	<.002
15...	<.002	<.003	<.003	<.004	<.004	<.002	E.0376	.0055	<.001	<.002
JUL										
01...	<.002	<.003	<.003	<.004	<.004	<.002	E.0665	.0074	<.001	<.002
14...	<.002	<.003	<.003	<.004	<.004	<.002	E.0743	.0052	<.001	<.002
28...	<.002	<.003	<.003	<.004	<.004	<.002	E.0867	.0059	<.001	<.002
AUG										
04...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.002
04...	<.002	<.003	<.003	<.004	<.004	<.002	E.0684	.0044	<.001	<.002
18...	<.002	E.0509	<.003	<.004	.0221	<.002	E.0419	.0252	<.001	<.002
SEP										
07...	<.002	<.003	<.003	<.004	<.004	<.002	E.0458	<.01	<.001	<.002
13...	<.002	E.0165	<.003	<.004	<.004	E.0022	E.0230	.0388	<.001	<.002
17...	<.002	E.0558	<.003	<.004	<.02	<.002	E.0227	.0385	<.001	<.002

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	LINDANE	LIN-URON	MALA-	METHYL	METOLA-	METOLA-	METO-	METRI-	NAPROP-	P,P' DDE
	DIS- SOLVED (UG/L) (39341)	FLTRD WATER 0.7 U GF, REC (UG/L) (82666)	THION, DIS- SOLVED (UG/L) (39532)	WAT FLT 0.7 U GF, REC (UG/L) (82686)	FLTRD ESA 0.7 UM (UG/L) (61043)	FLTRD CHLOR 0.7 UM (UG/L) (61044)	LACHLOR WATER 0.7 UM (UG/L) (39415)	SENCOR WATER (UG/L) (82630)	FLTRD WATER 0.7 U (UG/L) (82684)	
JAN 1999										
05...	<.004	<.002	.0069	<.001	--	--	.0315	<.004	<.003	<.006
FEB										
11...	<.004	<.002	<.005	<.001	--	--	.0236	<.004	<.003	<.006
MAR										
09...	<.004	<.002	<.005	<.001	--	--	.0220	<.004	<.003	<.006
24...	<.004	<.002	<.005	<.001	.60	.13	.0169	<.004	<.003	<.006
APR										
08...	<.004	<.002	<.005	<.001	--	--	.0149	<.004	<.003	<.006
21...	<.004	<.002	<.005	<.001	.23	.11	.0140	<.004	<.003	<.006
MAY										
06...	<.004	<.002	<.005	<.001	.40	<.05	.0124	<.004	<.003	<.006
20...	<.004	<.002	.0128	<.001	.43	<.05	.0261	<.004	<.003	<.006
JUN										
03...	<.004	<.002	<.005	<.001	.19	<.05	.113	<.004	<.003	<.006
15...	<.004	<.002	<.005	<.001	.53	<.05	.0359	<.004	<.003	<.006
JUL										
01...	<.004	<.002	<.005	<.001	.420	<.05	.0296	<.004	<.003	<.006
14...	<.004	<.002	<.005	<.001	.14	<.05	.0196	<.004	<.003	<.006
28...	<.004	<.002	<.005	<.001	.13	<.05	.0172	<.004	<.003	<.006
AUG										
04...	<.004	<.002	<.005	<.001	<.05	<.05	<.002	<.004	<.003	<.006
04...	<.004	<.002	<.005	<.001	.14	<.05	.0148	<.004	<.003	<.006
18...	<.004	<.002	<.005	<.001	.14	<.05	.104	<.004	<.003	<.006
SEP										
07...	<.004	<.002	<.005	<.001	.23	<.05	.0247	<.004	<.003	<.006
13...	<.004	<.002	<.005	<.001	.05	<.05	.0227	<.004	<.003	<.006
17...	<.004	<.002	<.005	<.001	.26	.33	.151	<.004	<.003	<.006

DATE	PENDI-	PRO-	PRON-	PRO-	SI-	TEBU-	TER-	TER-	TRI-
	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	MAZINE, WATER, DISS, REC (UG/L) (04035)	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JAN 1999									
05...	<.004	E.0160	<.003	<.004	.0338	<.010	<.007	--	<.002
FEB									
11...	<.004	E.0066	<.003	<.004	.0239	E.0066	<.007	--	<.002
MAR									
09...	<.004	E.0066	<.003	<.004	.0144	E.0097	<.007	--	<.002
24...	<.004	E.0081	<.003	<.004	.0104	<.0767	<.007	--	E.0017
APR									
08...	<.004	E.0108	<.003	<.004	.0128	<.0767	<.007	--	<.002
21...	<.004	E.0110	<.003	<.004	.0707	.0121	<.007	--	<.002
MAY									
06...	<.004	E.0128	<.003	<.004	.0194	<.0767	<.007	--	<.002
20...	<.004	.0196	<.003	<.004	.0360	<.0767	<.007	--	<.002
JUN									
03...	.0060	.0301	<.003	<.004	.0896	<.0767	<.007	<.005	<.002
15...	<.004	.0242	<.003	<.004	.0753	<.010	<.007	.0236	<.002
JUL									
01...	<.004	.0340	<.003	<.004	.0749	<.0767	<.007	.0073	<.002
14...	<.004	.0580	<.003	<.004	.0680	E.0087	<.007	.0057	<.002
28...	<.004	.0342	<.003	<.004	.0621	<.0767	<.007	<.005	<.002
AUG									
04...	<.004	<.018	<.003	<.004	<.005	<.010	<.007	--	<.002
04...	<.004	.0284	<.003	<.004	.0557	E.0097	<.007	--	<.002
18...	<.004	.0761	<.003	<.004	.0440	.0189	<.007	--	<.002
SEP									
07...	<.004	.0648	<.003	<.004	.0317	.0299	<.007	<.005	<.002
13...	E.0036	.0600	<.003	<.004	.0233	.0384	<.007	<.005	<.002
17...	<.004	.0220	<.003	<.004	.0298	<.010	<.007	--	<.002

SCHUYLKILL RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	569	557	565	---	---	---
2	---	---	---	---	---	---	578	563	568	---	---	---
3	---	---	---	---	---	---	580	569	575	---	---	---
4	---	---	---	---	---	---	593	577	584	---	---	---
5	---	---	---	---	---	---	600	592	597	---	---	---
6	---	---	---	---	---	---	602	594	598	---	---	---
7	---	---	---	---	---	---	601	594	597	---	---	---
8	---	---	---	---	---	---	606	584	601	---	---	---
9	---	---	---	---	---	---	623	595	608	---	---	---
10	---	---	---	550	535	543	636	617	625	---	---	---
11	---	---	---	561	543	552	645	619	636	---	---	---
12	---	---	---	565	553	559	662	625	647	---	---	---
13	---	---	---	577	565	571	668	629	659	---	---	---
14	---	---	---	577	563	571	659	471	575	---	---	---
15	---	---	---	568	533	553	567	472	514	---	---	---
16	---	---	---	543	528	536	503	394	490	---	---	---
17	---	---	---	540	525	533	513	453	492	---	---	---
18	---	---	---	537	524	531	512	477	498	---	---	---
19	---	---	---	533	516	528	487	394	470	---	---	---
20	---	---	---	537	532	534	474	353	454	---	---	---
21	---	---	---	540	534	537	462	364	439	---	---	---
22	---	---	---	541	534	537	454	368	437	---	---	---
23	---	---	---	545	537	542	472	425	460	---	---	---
24	---	---	---	544	541	542	---	---	---	---	---	---
25	---	---	---	552	533	543	---	---	---	---	---	---
26	---	---	---	560	546	553	---	---	---	---	---	---
27	---	---	---	563	548	555	---	---	---	---	---	---
28	---	---	---	560	550	555	---	---	---	---	---	---
29	---	---	---	555	548	551	---	---	---	---	---	---
30	---	---	---	556	546	551	---	---	---	---	---	---
31	---	---	---	562	554	557	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

