01474060 SCHUYLKILL RIVER AT FAIRMOUNT PARK NEAR PHILADELPHIA, PA

Lower Delaware Basin
Schuylkill Subbasin

LOCATION.--Lat 39°59'14.3", long 75°12'09.5" referenced to North American Datum of 1927, Philadelphia County, PA, Hydrologic Unit 02040203.

DRAINAGE AREA.--1,882 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2006 to current year.

REMARKS.--Sediment core data were collected from cross sections on the Schuylkill River behind Fairmount Dam.

COOPERATION.--Water-quality data were collected in cooperation with the Philadelphia Water Department.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 6

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Time	Agency analyzing sample, code (00028)	Depth to bot sample intrval feet below LSD (72016)	Depth to top sample intrval feet below LSD (72015)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Alum-inum, bed sed <62.5um wet svd fld,tot ug/g (65170)	Anti-mony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryll-ium, bed sed <62.5um wet svd fld,tot ug/g (34810)
May													
23...	1100	80020	1.15	.00	<.05	3.3	.16	3.1	>100,000	.4	5.7	510	2.6
23...	1101	80020	2.13	1.15	.38	45	.23	45	--	--	--	--	--
23...	1102	80020	2.85	2.13	.23	8.1	.31	7.8	76,000	5.4	13	560	4.7
23...	1103	80020	3.57	2.85	.32	19	.36	18	73,000	4.8	14	480	4.3
23...	1104	80020	5.85	3.57	.27	40	.17	40	40,000	1.0	5.8	280	2.1
23...	1105	80020	7.10	5.85	.39	60	.14	60	32,000	1.0	5.6	250	2.1
23...	1106	80020	7.70	7.10	.18	20	.25	19	58,000	1.1	5.6	420	2.5
23...	1130	80020	.65	.00	--	--	--	--	--	--	--	--	--
23...	1230	80020	2.75	.00	--	--	--	--	--	--	--	--	--
23...	1255	80020	1.20	.00	--	--	--	--	--	--	--	--	--
23...	1345	80020	3.55	.00	--	--	--	--	--	--	--	--	--
23...	1510	80020	1.00	.00	.33	2.9	.09	2.9	66,000	.4	5.1	450	2.2
23...	1511	80020	3.00	1.00	<.05	2.2	.17	2.1	85,000	.5	6.3	530	2.8
23...	1512	80020	4.25	3.00	.33	40	.09	40	56,000	2.0	13	350	3.0
23...	1513	80020	5.85	4.25	.39	57	.14	57	35,000	1.3	6.9	270	2.2
23...	1514	80020	7.80	5.85	.39	60	.09	60	29,000	1.0	6.7	230	1.8
23...	1515	80020	9.20	7.80	.38	44	.18	43	38,000	1.6	7.1	310	2.3

01474060 SCHUYLKILL RIVER AT FAIRMOUNT PARK NEAR PHILADELPHIA, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 2 of 6
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Calcium bed sed <62.5um wet svd fld,tot ug/g (65171)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Cesium, bed sed <62.5um wet svd fld,tot ug/g (65172)	Chrom-ium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Iron, bed sed <62.5um wet svd fld,tot ug/g (65173)	Lantha-num, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)
May													
23...	M	.1	4,400	93	4.30	81	18	30	19	38,000	51	23	46
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	M	4.3	9,100	100	4.90	230	70	260	19	44,000	57	270	54
23...	M	3.6	8,700	82	4.50	170	71	200	17	43,000	43	260	49
23...	M	.3	5,600	37	2.40	56	30	48	10	24,000	20	55	31
23...	M	.3	3,700	34	2.00	49	28	44	9	16,000	18	53	28
23...	M	.6	10,000	69	3.40	79	31	59	14	32,000	35	67	33
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	M	.1	3,800	60	3.80	66	15	25	15	32,000	31	20	38
23...	M	.1	4,000	94	5.00	82	19	33	20	41,000	50	25	50
23...	M	1.2	3,400	56	3.40	80	23	82	14	25,000	28	90	43
23...	M	.4	3,400	34	2.00	52	38	51	10	19,000	18	75	30
23...	M	.4	3,200	32	1.60	48	28	47	8	16,000	17	68	26
23...	M	.9	5,900	45	2.20	62	36	62	10	24,000	23	130	27

01474060 SCHUYLKILL RIVER AT FAIRMOUNT PARK NEAR PHILADELPHIA, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 3 of 6
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Magnesium, bed sed <62.5um wet svd fld,tot ug/g (65174)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Phosphorus, bed sed <62.5um wet svd fld,tot ug/g (65175)	Potassium, bed sed <62.5um wet svd fld,tot ug/g (65176)	Rubidium, bed sed <62.5um wet svd fld,tot ug/g (65177)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Sodium, bed sed <62.5um wet svd fld,tot ug/g (65178)
May													
23...	8,300	1,200	.04	1.1	35	23	670	19,000	103	14	.4	<1.0	8,400
23...	--	--	.95	--	--	--	--	--	--	--	3.6	--	--
23...	8,500	1,900	.85	2.4	100	27	1,700	19,000	102	16	1.5	1.6	6,700
23...	8,400	1,800	1.2	2.4	100	17	1,500	16,000	86.2	14	1.9	1.4	5,200
23...	4,200	600	.24	1.7	52	12	460	8,300	38.8	9	1.6	<1.0	3,400
23...	2,700	430	.33	1.9	46	11	430	6,000	29.7	8	2.1	<1.0	2,200
23...	9,200	980	.18	1.7	52	22	960	14,000	66.5	12	.9	<1.0	6,900
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	7,000	950	.03	.9	29	18	580	17,000	88.0	12	.3	<1.0	7,400
23...	8,700	1,500	.05	1.1	38	25	820	20,000	113	15	.6	<1.0	8,100
23...	4,200	370	.61	2.3	48	16	760	10,000	54.8	12	4.6	<1.0	3,100
23...	2,800	700	.33	2.1	57	12	420	6,800	32.7	9	1.8	<1.0	2,300
23...	2,600	470	.27	2.0	47	12	420	5,500	26.5	7	1.4	<1.0	2,200
23...	5,100	650	.34	2.2	54	15	840	8,800	41.1	8	1.3	<1.0	4,000

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 4 of 6
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Stront-ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Thall-ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Titan-ium, bed sed <62.5um wet svd fld,tot ug/g (65179)	Vanad-ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Aldrin, bed sedimnt ug/kg (39333)	alpha-Endo-sulfan, bed sedimnt ug/kg (39389)	alpha-HCH, bed sedimnt ug/kg (39076)	alpha-HCH-d6, surro-gate, Sched OCBS, pct rcv (62837)	Aroclor 1016 + 1242, bed sedimnt ug/kg (46343)	Aroclor 1254, bed sedimnt ug/kg (39507)
May													
23...	85	M	13	5,400	97	34	98	<2.0	<.5	<1.5	72.1	<5.0	<5
23...	--	--	--	--	--	--	--	<2.0	<.5	<1.5	59.4	<5.0	23
23...	100	M	13	5,900	110	46	1,400	<2.0	<.5	<1.5	57.8	<5.0	E170
23...	92	M	10	4,100	98	38	1,800	<2.0	<.5	E.5	56.9	11	E93
23...	78	M	6	3,300	68	15	250	<2.0	<.5	<1.5	53.2	9.2	E13
23...	74	M	6	2,400	55	14	210	<2.0	<.5	<1.5	56.3	E5.6	E11
23...	97	M	9	5,200	82	25	250	E.7	<.5	<1.5	71.8	10	E23
23...	--	--	--	--	--	--	--	<2.0	<.5	<1.5	82.8	35	E150
23...	--	--	--	--	--	--	--	<2.0	<.5	<1.5	96.6	E3.2	15
23...	--	--	--	--	--	--	--	<2.0	E.5	<1.5	73.0	16	E20
23...	--	--	--	--	--	--	--	<2.0	<.5	<1.5	85.1	<5.0	<5
23...	71	M	9	4,200	82	26	85	<2.0	<.5	<1.5	63.3	<5.0	<5
23...	80	M	13	5,400	100	34	100	<2.0	<.5	<1.5	67.1	<5.0	<5
23...	78	M	9	3,500	76	22	380	<2.0	<.5	<1.5	54.2	<5.0	E6
23...	78	M	6	2,600	58	16	250	<2.0	<.5	<1.5	60.1	E4.0	E15
23...	76	M	6	2,600	55	13	240	<2.0	<.5	<1.5	58.9	33	E120
23...	83	M	6	3,300	62	19	330	<2.0	<.5	<1.5	60.4	130	E180

01474060 SCHUYLKILL RIVER AT FAIRMOUNT PARK NEAR PHILADELPHIA, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 5 of 6
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Date	Aroclor 1260, bed sedimnt ug/kg (39511)	beta-HCH, bed sedimnt ug/kg (34257)	cis-Chlor-dane, bed sedimnt ug/kg (62802)	Diel-drin, bed sedimnt ug/kg (39383)	Endrin, bed sedimnt ug/kg (39393)	Hepta-chlor epoxide bed sedimnt ug/kg (39423)	Hepta-chlor, bed sedimnt ug/kg (39413)	Hexa-chloro-benzene bed sedimnt ug/kg (39701)	Isodrin surro-gate, Sched OCBS, pct rcv (62836)	Lindane bed sedimnt ug/kg (39343)	Mirex, bed sedimnt ug/kg (39758)	Nona-chloro-bi-phenyl, surrog, OCBS, pct rcv (62838)	p,p'-DDD, bed sedimnt ug/kg (39363)
May													
23...	<5	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	71.8	<.5	<1.5	89.7	<2.5
23...	14	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	68.4	<.5	<1.5	100	E7.3
23...	140	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	52.1	<.5	<1.5	75.2	E30
23...	58	E.5	E.7	E1.9	<1.0	<1.5	<1.0	<3.0	51.3	<.5	<1.5	36.1	E59
23...	E6	.5	E.5	E.6	<1.0	<1.5	<1.0	<3.0	57.1	<.5	<1.5	69.6	E15
23...	E6	.6	E.6	E.7	<1.0	<1.5	<1.0	<3.0	57.4	<.5	<1.5	72.3	E15
23...	21	<.5	2.0	E3.3	<1.0	<1.5	<1.0	<3.0	67.7	<.5	<1.5	78.0	E14
23...	E74	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	46.0	<.5	<1.5	68.8	E39
23...	E5	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	72.9	<.5	<1.5	86.4	3.0
23...	8	E.2	E.5	E1.7	<1.0	<1.5	<1.0	<3.0	57.3	<.5	<1.5	69.4	E4.2
23...	<5	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	93.6	<.5	<1.5	87.8	<2.5
23...	<5	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	59.9	<.5	<1.5	75.1	<2.5
23...	<5	<.5	<1.0	<.5	<1.0	<1.5	<1.0	<3.0	70.4	<.5	<1.5	85.6	<2.5
23...	9	<.5	<1.0	E.2	<1.0	<1.5	<1.0	<3.0	48.6	<.5	<1.5	81.4	E2.2
23...	E4	<.5	1.5	<.5	<1.0	<1.5	<1.0	<3.0	55.1	<.5	<1.5	72.7	E16
23...	E13	<.5	<1.0	<.5	<1.0	2.8	<1.0	<3.0	57.0	<.5	<1.5	59.9	5.9
23...	E37	<.5	7.9	<.5	<1.0	3.6	<1.0	<3.0	53.9	<.5	<1.5	60.9	11

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 6 of 6
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Date	p,p'-DDE, bed sedimnt ug/kg (39368)	p,p'-DDT, bed sedimnt ug/kg (39373)	p,p'-Meth-oxy-chlor, bed sedimnt ug/kg (39481)	Toxa-phene, bed sedimnt ug/kg (39403)	trans-Chlor-dane, bed sedimnt ug/kg (62803)	trans-Nona-chlor, bed sedimnt ug/kg (62804)	Cs-137, bed sedimnt pCi/g (49978)	Pb-210, bed sedimnt pCi/g (17507)	Ra-226, bed sedimnt pCi/g (49972)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)	Sample weight, Sched OCBS, grams (99962)
May											
23...	<1.5	<1.0	<4	<200	<.5	<1.0	-.001	1.1	1.15	3.6	18.8
23...	4.7	<1.0	<4	<200	<.5	<1.0	-.014	2.1	.77	--	19.5
23...	<1.5	3.1	<4	<200	1.2	<1.0	.21	2.6	1.26	4.4	16.7
23...	E48	E6.6	<4	<200	1.7	<1.0	.19	1.8	1.15	3.5	17.7
23...	E2.2	E2.6	<4	<200	<.5	<1.0	.007	1.1	.70	2.0	21.3
23...	E2.3	E3.8	<4	<200	E.4	<1.0	-.010	1.1	.53	2.1	20.3
23...	E4.5	E3.7	<4	<200	2.0	1.3	.15	1.4	.94	2.9	18.5
23...	E25	3.9	<4	<200	<.8	<1.0	--	--	--	--	19.0
23...	E1.2	<1.0	<4	<200	<.5	<1.0	--	--	--	--	22.7
23...	E2.5	E1.2	E3	<200	.7	<1.0	--	--	--	--	23.1
23...	<1.5	<1.0	<4	<200	<.5	<1.0	--	--	--	--	24.2
23...	<1.5	<1.0	<4	<200	<.5	<1.0	-.037	1.2	1.01	2.8	20.3
23...	<1.5	<1.0	<4	<200	<.5	<1.0	-.020	.9	1.06	3.6	19.7
23...	E.6	E3.0	<4	<200	<.5	<1.0	-.03	.2	.77	3.2	19.5
23...	E2.0	E6.9	<4	<200	E.4	<1.0	-.003	.64	.46	2.3	21.0
23...	2.2	<1.0	<4	<200	<.5	<1.0	.025	.65	.45	2.0	20.1
23...	6.7	<1.0	<4	<200	10	5.2	.10	1.5	.77	2.4	14.1