

NESHAMINY CREEK BASIN

**01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA
(National Water-Quality Assessment Station)**

LOCATION.--Lat 40°13'45", long 75°07'12", Bucks County, Hydrologic Unit 02040201, on left bank just upstream from bridge on Valley Road, 6.8 mi upstream from confluence with Neshaminy Creek, 3.0 mi downstream from Bradford Dam, 2.0 mi downstream from Park Creek, and 1.1 mi east of Neshaminy.

DRAINAGE AREA.--26.8 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water stage recorder and crest-stage gage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 800 ft³/s and maximum(*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 3	0545	1,240	5.58	Aug. 14	0545	885	4.91
Jan. 18	1945	1,110	5.35	Aug. 27	0215	1,030	5.20
Jan. 24	1245	861	4.86	Sept. 10	0145	1,070	5.27
Mar. 22	0215	1,930	6.64	Sept. 16	1745	*7,200	*11.68

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	3.9	e1.5	7.6	78	20	9.4	3.9	3.2	.30	5.2
2	---	---	2.3	e1.4	84	30	21	8.9	3.9	3.5	.24	4.3
3	---	---	2.5	412	54	25	17	9.3	3.6	3.2	.25	4.0
4	---	---	2.1	43	26	127	16	9.5	3.3	2.4	.29	3.3
5	---	---	e2.0	e12	18	35	14	9.0	2.9	1.9	.24	3.7
6	---	---	4.0	e9.0	13	40	13	8.8	2.6	1.5	.27	3.9
7	---	---	2.4	7.8	11	57	15	8.9	2.6	1.1	.27	35
8	---	---	4.5	7.2	18	26	10	23	2.6	1.0	.95	18
9	---	---	6.6	62	20	23	23	27	2.4	1.5	.57	42
10	---	---	4.6	e55	14	20	128	10	2.2	1.7	1.0	295
11	---	---	2.1	e16	10	17	63	8.6	2.3	2.3	.72	33
12	---	---	e1.9	e11	13	13	92	7.4	2.1	1.7	.83	15
13	---	---	e1.8	e13	57	11	39	6.6	2.4	2.4	1.2	9.5
14	---	---	e1.8	e16	21	13	28	6.3	3.4	2.0	243	8.0
15	---	---	e1.7	251	13	30	23	5.6	4.4	1.8	36	15
16	---	---	e1.7	96	11	e47	31	5.3	3.5	1.3	9.0	2760
17	---	---	e2.3	56	e10	e68	42	5.2	3.1	1.2	6.4	769
18	---	---	2.8	384	258	e45	24	4.7	3.1	1.0	4.3	528
19	---	---	2.3	135	74	38	20	39	2.7	.74	2.9	241
20	---	---	2.1	38	37	26	20	26	2.6	1.1	12	24
21	---	---	e2.0	24	25	195	19	9.5	2.8	1.1	19	45
22	---	---	3.2	27	18	899	18	6.9	2.9	.77	6.4	71
23	---	---	2.1	29	14	114	30	8.0	2.5	1.2	4.1	31
24	---	---	e2.0	296	12	62	44	60	2.4	.98	3.4	20
25	---	4.4	e1.8	89	11	48	21	40	3.5	.65	2.8	15
26	---	30	e1.8	39	11	36	17	15	3.5	.45	163	12
27	---	10	e1.7	24	10	31	15	10	3.7	.47	249	11
28	---	6.3	e1.7	19	18	29	13	8.1	3.8	.40	24	11
29	---	3.1	e1.8	14	---	26	12	6.7	3.9	.33	10	9.5
30	---	4.9	e1.7	10	---	23	10	5.7	3.3	.31	7.0	55
31	---	---	e1.5	8.5	---	19	---	4.7	---	.31	6.2	---
TOTAL	---	58.7	76.7	2206.4	888.6	2251	858	413.1	91.9	43.51	815.63	5097.4
MEAN	---	9.78	2.47	71.2	31.7	72.6	28.6	13.3	3.06	1.40	26.3	170
MAX	---	30	6.6	412	258	899	128	60	4.4	3.5	249	2760
MIN	---	3.1	1.5	1.4	7.6	11	10	4.7	2.1	.31	.24	3.3
CFSM	---	.36	.09	2.65	1.18	2.71	1.07	.50	.11	.05	.98	6.34
IN.	---	.08	.11	3.06	1.23	3.12	1.19	.57	.13	.06	1.13	7.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEAR 1999, BY WATER YEAR (WY)

MEAN	---	---	2.47	71.2	31.7	72.6	28.6	13.3	3.06	1.40	26.3	170
MAX	---	---	2.47	71.2	31.7	72.6	28.6	13.3	3.06	1.40	26.3	170
(WY)	---	---	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	2.47	71.2	31.7	72.6	28.6	13.3	3.06	1.40	26.3	170
(WY)	---	---	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

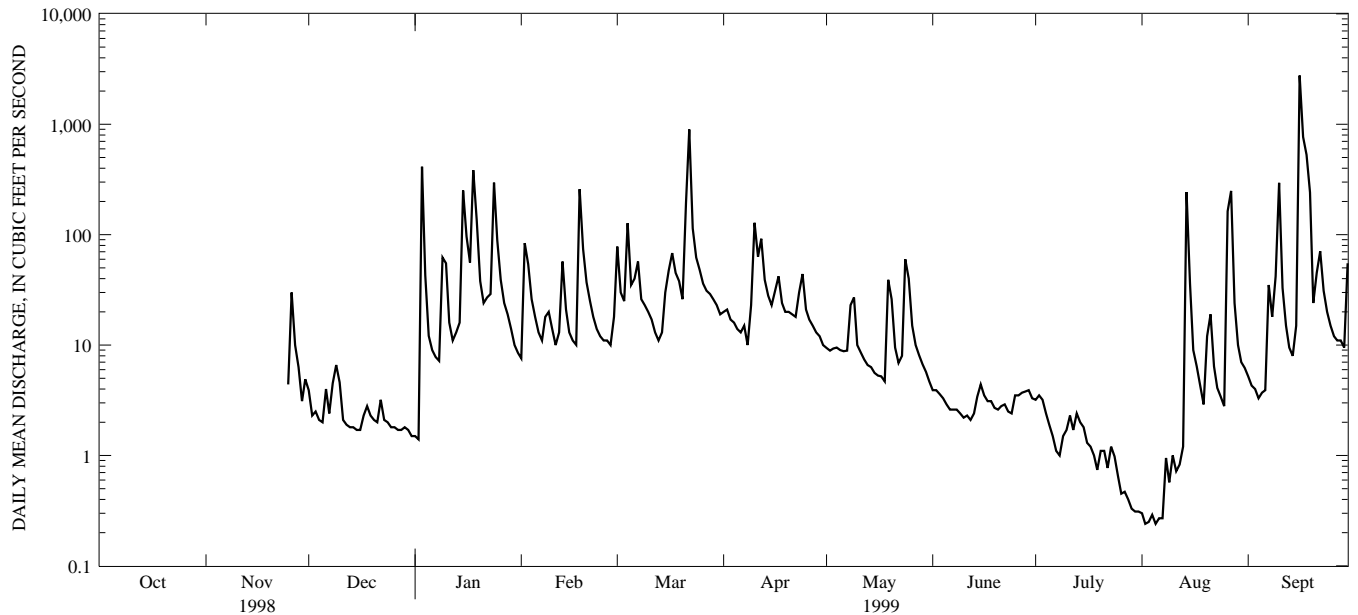
e Estimated.

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

SUMMARY STATISTICS	FOR 1999 WATER YEAR	
HIGHEST DAILY MEAN	2760	Sep 16
LOWEST DAILY MEAN	.24	Aug 2
ANNUAL SEVEN-DAY MINIMUM	.27	Aug 1
INSTANTANEOUS PEAK FLOW	a7200	Sep 16
INSTANTANEOUS PEAK STAGE	11.68	Sep 16
INSTANTANEOUS LOW FLOW	.15	Aug 8
10 PERCENT EXCEEDS	60	
50 PERCENT EXCEEDS	9.5	
90 PERCENT EXCEEDS	1.3	

a From rating curve extended above 758 ft³/s on basis of contracted-opening measurement of peak flow.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1999 to current year.

INSTRUMENTATION.--Water-temperature data logger (in situ system; measurements recorded every 15 minutes) located at gage.

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 pages 433-471. Interruptions in the daily record were due to instrument vandalism.

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 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)	TEMPER- ATURE WATER (DEG C) (00010)
NOV 1998										
03...	1130	ENVIRONMENTAL	2	760	91	11	8.2	689	11.5	7.0
DEC										
01...	0955	ENVIRONMENTAL	5.5	757	86	10.1	8.0	621	16.5	8.0
JAN 1999										
20...	1020	ENVIRONMENTAL	38	760	94	12	7.5	504	8.0	3.5
FEB										
11...	0856	FIELD BLANK	--	--	--	--	--	--	--	--
11...	1015	ENVIRONMENTAL	9.5	765	103	13.6	8.0	628	14.0	4.0
MAR										
04...	1015	ENVIRONMENTAL	123	746	97	11.5	7.5	296	2.0	7.0
22...	1055	ENVIRONMENTAL	700	750	80	9.8	7.2	145	5.5	6.0
APR										
08...	1030	ENVIRONMENTAL	9.5	752	131	13.2	8.1	456	23.0	14.0
21...	0910	ENVIRONMENTAL	20	759	113	13.1	7.8	422	11.5	8.5
28...	1400	ENVIRONMENTAL	12	762	196	18.5	9.2	427	21.0	18.0
MAY										
06...	1430	ENVIRONMENTAL	8.5	760	135	12.8	8.5	484	19.0	18.0
13...	0810	ENVIRONMENTAL	6.4	754	77	7.3	7.6	464	18.0	17.5
19...	1410	ENVIRONMENTAL	55	756	84	7.9	7.6	274	--	18.0
24...	1620	ENVIRONMENTAL	105	744	95	8.7	7.7	366	21.0	18.0
JUN										
03...	0920	ENVIRONMENTAL	3.7	754	69	5.8	7.8	543	28.0	23.0
08...	1400	ENVIRONMENTAL	2.7	751	120	9.1	8.1	616	36.0	29.0
08...	1401	CONCURRENT REPLICATE	--	--	--	--	8.0	615	--	--
16...	1420	ENVIRONMENTAL	3.2	758	160	13.5	8.4	603	23.5	23.5
23...	1350	ENVIRONMENTAL	2.3	759	172	14.4	8.5	625	35.0	24.0
30...	1350	ENVIRONMENTAL	3.7	756	--	--	8.4	660	29.5	--
JUL										
07...	1400	ENVIRONMENTAL	1.1	752	--	--	8.6	747	35.5	--
14...	0840	ENVIRONMENTAL	1.8	763	84	7.4	8.5	803	23.5	22.0
20...	1340	ENVIRONMENTAL	1.1	757	115	9.0	8.5	752	29.0	27.5
AUG										
05...	1250	ENVIRONMENTAL	.24	751	66	5.3	8.2	930	32.5	25.5
17...	1430	ENVIRONMENTAL	6.3	754	107	8.4	8.0	354	35.0	27.5
30...	1410	ENVIRONMENTAL	6.3	760	--	--	8.2	386	--	--
SEP										
16...	1220	ENVIRONMENTAL	3020	--	--	--	7.4	99	--	--

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

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

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 1998											
03...	180	46	17	8.1	62	152	140	171	--	82	.2
DEC											
01...	180	46	15	7.2	53	139	126	154	--	59	<.1
JAN 1999											
20...	110	28	9.9	3.7	48	53	54	66	--	95	<.1
FEB											
11...	--	--	--	--	--	--	--	--	--	--	--
11...	160	40	14	3.5	56	89	87	106	--	110	.1
MAR											
04...	86	22	7.8	2.7	20	--	52	63	--	37	.1
22...	39	9.7	3.6	1.9	11	--	25	30	--	16	.1
APR											
08...	140	37	12	2.8	30	--	90	110	--	49	<.1
21...	130	34	12	2.5	30	--	90	110	--	45	<.1
28...	140	35	12	2.7	30	--	94	84	15	46	.1
MAY											
06...	140	37	13	3.7	35	--	104	127	--	54	.1
13...	150	37	13	3.6	35	--	103	126	--	51	.1
19...	79	20	6.7	3.3	20	--	56	68	--	29	<.1
24...	110	29	9.6	3.4	25	--	83	101	--	38	<.1
JUN											
03...	160	42	14	4.2	39	--	122	149	--	55	.2
08...	180	46	15	5.0	46	--	126	154	--	71	.1
08...	180	48	15	4.9	46	--	129	157	--	71	.1
16...	170	45	15	5.1	50	--	128	156	--	69	.1
23...	180	47	15	5.2	49	--	138	168	--	72	<.1
30...	190	50	16	5.3	56	--	133	153	5	80	.1
JUL											
07...	200	52	17	6.9	68	--	144	168	3	99	.1
14...	210	55	18	7.0	76	--	145	172	2	110	.1
20...	180	47	16	6.8	66	--	134	164	--	100	.1
AUG											
05...	230	60	20	9.0	94	--	156	185	2	140	.1
17...	100	26	8.7	5.4	26	--	76	93	--	29	.1
30...	130	33	11	4.6	25	--	90	110	--	28	.1
SEP											
16...	29	7.3	2.6	3.0	4.0	--	23	28	--	5.1	<.1

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

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

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
NOV 1998											
03...	4.7	69	.03	.5	.6	1.9	1.3	2.0	<.01	.21	.18
DEC											
01...	2.4	69	.05	.5	.5	2.9	2.4	2.9	.06	.07	.06
JAN 1999											
20...	5.7	32	.06	.4	.7	1.8	1.4	2.1	.03	.065	.05
FEB											
11...	--	--	--	--	--	--	--	--	--	--	--
11...	7.5	49	.04	.3	.4	2.5	2.2	2.6	.02	.047	.03
MAR											
04...	5.3	27	.02	.5	.9	1.5	.99	1.9	.01	.038	.03
22...	3.6	12	.02	.5	1.0	1.1	.61	1.6	<.01	.059	.03
APR											
08...	2.0	44	<.02	.3	.5	1.2	.85	1.3	.02	.025	.01
21...	3.9	40	.03	.3	.4	1.3	.97	1.4	.01	.024	.01
28...	2.5	40	.02	.4	.5	1.2	.77	1.3	.02	.04	.03
MAY											
06...	3.2	47	.06	.4	.6	1.7	1.2	1.8	.03	.065	.04
13...	3.7	41	.09	.5	.7	1.8	1.3	2.0	.05	.095	.08
19...	3.4	24	.17	.5	1.0	1.6	1.0	2.1	.04	.11	.08
24...	6.5	32	.17	.6	1.3	1.8	1.3	2.5	.04	.12	.09
JUN											
03...	8.8	49	.05	.6	.7	1.7	1.1	1.8	.05	.18	.13
08...	11	57	.03	.6	.7	2.0	1.4	2.1	.04	.25	.21
08...	11	57	--	--	.7	--	--	--	--	--	--
16...	10	55	.03	.5	.7	1.6	1.1	1.8	.01	.29	.24
23...	6.8	61	<.02	.6	.9	1.8	1.2	2.1	.02	.27	.21
30...	12	65	.05	.6	.8	1.1	.55	1.4	.02	.35	.28
JUL											
07...	19	68	.05	.8	1	1.2	.42	1.4	.03	.53	.47
14...	9.4	76	.05	.7	.9	--	<.05	--	<.01	.47	.39
20...	8.6	67	.03	.7	1	.86	.18	1.1	.01	.50	.41
AUG											
05...	12	82	.05	.7	.8	--	<.05	--	<.01	.60	.52
17...	7.6	43	.02	.5	.6	1.7	1.2	1.8	.01	.19	.16
30...	7.8	46	.02	.4	.6	2.0	1.6	2.2	<.01	.12	.10
SEP											
16...	3.1	7.6	.09	.4	1.5	1.1	.74	2.2	.01	.16	.14

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, 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 DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS- SOLVED (µG/L AS B) (01020)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDEDED TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)
NOV 1998											
03...	.24	404	379	2	203	14	15	5.3	.2	.01	2
DEC											
01...	.09	367	339	4	167	22	18	5.0	.4	.08	6
JAN 1999											
20...	.14	280	260	80	31.3	50	53	5.4	.6	3.7	36
FEB											
11...	--	--	--	--	--	--	--	.2	--	--	--
11...	.078	360	340	10	54.9	25	54	3.2	.2	.25	10
MAR											
04...	.21	178	157	200	25.6	64	53	6.0	1.9	26	79
22...	.31	91	75	300	E11.6	64	34	6.3	3.3	312	165
APR											
08...	.047	253	235	6	53.9	71	27	3.3	.4	.12	5
21...	.043	244	226	5	52.2	73	22	3.4	.2	.19	4
28...	.059	250	228	6	53.0	72	22	4.2	.5	.12	4
MAY											
06...	.085	276	259	4	72.2	45	21	4.3	.2	.15	6
13...	.13	273	253	8	80.3	37	72	4.8	.3	.08	4
19...	.20	157	145	90	50.6	22	67	6.5	2.1	7.2	49
24...	.31	236	199	80	59.2	33	55	5.2	1.8	24	84
JUN											
03...	.21	333	292	6	89.0	16	90	4.4	.4	.08	8
08...	.26	371	333	7	125	14	67	4.7	.3	.05	7
08...	.29	375	330	--	131	12	68	4.5	.2	.03	5
16...	.33	364	332	27	155	16	32	6.5	.4	.22	26
23...	.35	364	345	16	154	15	27	5.4	>2	.19	31
30...	.40	391	368	--	169	14	49	5.6	.2	.22	22
JUL											
07...	.58	463	419	--	215	E7	98	6.9	<.2	.04	13
14...	.52	478	444	6	228	12	51	6.4	.3	.05	10
20...	.53	437	398	14	219	<10	72	6.8	.8	.05	18
AUG											
05...	.69	535	514	8	320	34	150	6.9	.4	.01	16
17...	.20	212	197	25	87.9	17	41	6.9	.3	.22	13
30...	.15	238	217	--	66.6	18	22	5.9	.3	.88	52
SEP											
16...	.48	66	50	--	22.6	52	28	6.4	>4.0	2880	353

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

REMARKS.--Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020/2021 (listed with minimum reporting levels on pages 430-431). Only VOCs 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	CARBON DI- SULFIDE WATER WHOLE TOTAL (µG/L) (77041)	1,1,1- TRI- CHLORO- ETHANE TOTAL (µG/L) (34506)	1,1-DI- CHLORO- ETHANE TOTAL (µG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (µG/L) (34501)	ACETONE WATER WHOLE TOTAL (µG/L) (81552)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (µG/L) (77613)	BENZENE 123-TRI METHYL- UNFLTRD RECOVER (µG/L) (77221)	BENZENE 1,2,4- TRI- UNF REC (µG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (µG/L) (77222)
FEB 1999											
11...	0855	CANNISTER BLANK	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056
11...	0856	FIELD BLANK	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056
11...	1015	ENVIRONMENTAL	<.37	E.0389	<.066	E.0212	<5	<.27	<.12	<.19	E.0150
MAR											
04...	1015	ENVIRONMENTAL	<.37	E.0144	<.066	<.044	<5	<.27	<.12	<.19	<.056
APR											
08...	1030	ENVIRONMENTAL	<.37	E.0307	<.066	<.044	<5	<.27	<.12	<.19	<.056
MAY											
06...	1430	ENVIRONMENTAL	<.37	E.0307	<.066	E.0139	E1.72	<.27	<.12	<.19	<.056
JUN											
03...	0920	ENVIRONMENTAL	<.37	E.00829	<.066	<.044	E1.99	<.27	<.12	<.19	<.056
JUL											
07...	1400	ENVIRONMENTAL	E.0406	<.032	<.066	<.044	E2.36	<.27	<.12	<.19	<.056
AUG											
05...	1250	ENVIRONMENTAL	<.74	<.064	<.132	<.088	<10	<.54	<.24	<.38	<.112
SEP											
16...	1220	ENVIRONMENTAL	<.37	<.032	<.066	<.044	E3.61	<.27	<.12	<.19	<.056

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES--Continued

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

DATE	BENZENE 135-TRI- METHYL WATER UNFLTRD REC (µG/L) (77226)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (µG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (µG/L) (77342)	BENZENE N-PROPYL WATER UNFLTRD REC (µG/L) (77224)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (µG/L) (34536)	BENZENE TOTAL (µG/L) (34030)	BROMO- FORM TOTAL (µG/L) (32104)	CHLORO- BENZENE TOTAL (µG/L) (34301)	BROMO- DI- METHANE TOTAL (µG/L) (32105)	CHLORO- FORM TOTAL (µG/L) (32106)
FEB 1999												
11...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
11...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
11...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	E.0333	<.1	<.028	<.18	E.0240
MAR												
04...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	E.0232
APR												
08...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	E.0145	<.1	<.028	<.18	E.0271
MAY												
06...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	E.00556	<.1	<.028	<.18	E.0416
JUN												
03...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	E.0287
JUL												
07...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	E.00938
AUG												
05...	<.088	<.108	<.1	<.064	<.38	<.084	<.096	<.2	<.2	<.056	<.36	<.104
SEP												
16...	<.044	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052

DATE	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (µG/L) (77093)	BROMO- DI- CHLORO- METHANE TOTAL (µG/L) (32101)	ETHER ETHYL WATER UNFLTRD RECOVER (µG/L) (81576)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (µG/L) (50005)	ETHYL- BENZENE TOTAL (µG/L) (34371)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (µG/L) (81607)	ISO- DURENE WATER UNFLTRD RECOVER (µG/L) (50000)	METHYL TERT- BUTYL ETHER WAT UNF REC (µG/L) (78032)	METHYL- CHLO- RIDE TOTAL (µG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (µG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (µG/L) (81595)
FEB 1999											
11...	<.038	<.048	<.17	<.11	<.03	<.9	<.2	<.17	<.25	<.38	<1.6
11...	<.038	<.048	<.17	<.11	<.03	<.9	<.2	<.17	<.25	<.38	<1.6
11...	E.0382	<.048	<.17	<.11	E.0109	<.9	<.2	.482	<.25	<.38	<1.6
MAR											
04...	E.0227	<.048	<.17	<.11	<.03	<.9	<.2	E.163	<.25	<.38	<1.6
APR											
08...	E.0932	<.048	<.17	<.11	<.03	<.9	<.2	.411	<.25	E.0142	<1.6
MAY											
06...	.107	<.048	<.17	<.11	<.03	<.9	<.2	E.138	<.25	E.0146	<1.6
JUN											
03...	E.0382	<.048	<.17	<.11	<.03	<.9	<.2	E.0882	E.0392	<.38	<1.6
JUL											
07...	<.038	<.048	<.17	<.11	<.03	<.9	<.2	E.0384	<.25	<.38	<1.6
AUG											
05...	<.076	<.096	<.34	<.22	<.06	<18	<.4	E.0849	<.5	<.76	<3.2
SEP											
16...	<.038	<.048	<.17	<.11	<.03	<.9	<.2	E.0930	<.25	<.38	<1.6

DATE	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (µG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (µG/L) (85795)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (µG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (µG/L) (77135)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (µG/L) (77356)	PREH- NITENE WATER UNFLTRD RECOVER (µG/L) (49999)	STYRENE TOTAL (µG/L) (77128)	TETRA- CHLORO- ETHYL- WATER TOTAL (µG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (µG/L) (77220)	TOLUENE TOTAL (µG/L) (34010)	TRI- CHLORO- ETHYL- ENE TOTAL (µG/L) (39180)
FEB 1999											
11...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	E.0310	<.038
11...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	E.0193	<.038
11...	<.37	E.0443	<.042	E.0224	<.11	<.23	<.042	E.0172	<.1	E.0771	.111
MAR											
04...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	E.00689	<.1	<.05	E.0600
APR											
08...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	E.0137	<.1	<.05	.181
MAY											
06...	<.37	E.0123	<.042	<.06	<.11	<.23	<.042	E.0167	<.1	E.0836	.160
JUN											
03...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	E.0474
JUL											
07...	<.37	E.0122	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038
AUG											
05...	<.74	<.12	<.084	<.12	<.22	<.46	<.084	<.2	<.2	E.106	<.076
SEP											
16...	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	E.0576	<.038

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides on schedule 2001 (listed with minimum reporting levels on page 429). 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-	ALA-	ATRA-	BEN-	CAR-	CARBO-	CHLOR-	CYANA-	
			CHLOR, WATER, FLTRD REC (µG/L) (49260)	CHLOR, WATER, DISS, REC, (µG/L) (46342)	ZINE, WATER, DISS, REC, (µG/L) (39632)	FLUR- ALIN WAT FLD 0.7 µ GF, REC (µG/L) (82673)	BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)	FURAN WATER FLTRD 0.7 µ GF, REC (µG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (µG/L) (38933)	ZINE, WATER, DISS, REC (µG/L) (04041)	
JAN 1999											
20...	1020	ENVIRONMENTAL	<.002	<.002	.0161	<.002	E.0641	<.003	<.004	<.004	
FEB											
11...	0856	FIELD BLANK	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	
11...	1015	ENVIRONMENTAL	<.002	<.002	.0220	<.002	E.0054	<.003	<.004	<.004	
MAR											
04...	1015	ENVIRONMENTAL	<.002	<.002	.0262	<.002	E.0039	<.003	<.004	<.004	
22...	1055	ENVIRONMENTAL	<.002	E.0026	.0201	.0044	E.0344	<.003	<.004	<.004	
APR											
08...	1030	ENVIRONMENTAL	<.002	<.002	.0223	<.002	E.0795	<.003	<.004	<.004	
21...	0910	ENVIRONMENTAL	<.002	<.002	.0176	E.0021	<.003	<.003	<.004	<.004	
28...	1400	ENVIRONMENTAL	<.002	<.002	.1057	<.002	<.003	<.003	<.004	<.004	
MAY											
06...	1430	ENVIRONMENTAL	<.002	<.002	.0214	<.002	<.003	<.003	<.004	<.004	
13...	0810	ENVIRONMENTAL	<.0075	<.002	.0400	<.002	E.0360	<.003	<.004	<.004	
19...	1410	ENVIRONMENTAL	.0164	<.002	.135	.0065	E.0397	<.003	<.004	<.004	
24...	1620	ENVIRONMENTAL	.0263	<.002	1.16	<.002	E.0091	<.003	<.004	<.004	
JUN											
03...	0920	ENVIRONMENTAL	<.002	<.002	.678	<.002	E.0944	<.003	<.004	<.004	
08...	1400	ENVIRONMENTAL	<.002	<.002	.457	<.002	<.010	<.003	<.004	<.004	
08...	1401	CONCURRENT REPLICATE	<.002	<.002	.418	<.002	E.0172	<.003	<.004	<.004	
16...	1420	ENVIRONMENTAL	<.002	<.002	.486	<.002	<.003	<.003	<.004	<.004	
23...	1350	ENVIRONMENTAL	<.002	<.002	.249	<.002	<.003	<.003	<.004	<.004	
30...	1350	ENVIRONMENTAL	<.002	<.002	.163	<.002	<.003	<.003	<.004	<.004	
JUL											
07...	1400	ENVIRONMENTAL	<.002	<.002	.183	<.002	<.003	<.003	<.004	<.004	
14...	0840	ENVIRONMENTAL	<.002	<.002	.0844	<.002	<.003	<.003	<.004	<.004	
20...	1340	ENVIRONMENTAL	<.002	<.002	.0473	<.002	<.003	<.003	.0508	<.004	
AUG											
05...	1250	ENVIRONMENTAL	<.002	<.002	.0358	<.002	<.003	<.003	<.004	<.004	
17...	1430	ENVIRONMENTAL	<.002	<.002	.0348	<.002	E.361	<.003	<.004	<.004	
30...	1410	ENVIRONMENTAL	<.002	<.002	.0176	<.002	E.191	<.003	<.004	<.004	
SEP											
16...	1220	ENVIRONMENTAL	<.002	<.002	.0307	<.002	E.135	<.003	.0080	<.02	
DATE	DCPA WATER FLTRD 0.7 µ GF, REC (µG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (µG/L) (04040)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	DI- ELDRIN DIS- SOLVED (µG/L) (39381)	EPTC WATER FLTRD 0.7 µ GF, REC (µG/L) (82668)	LINDANE DIS- SOLVED (µG/L) (39341)	LIN- URON WATER FLTRD 0.7 µ GF, REC (µG/L) (82666)	MALA- THION, DIS- SOLVED (µG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 µ GF, REC (µG/L) (82686)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	METRI- BUZIN WATER DISSOLV (µG/L) (82630)
JAN 1999											
20...	.0114	E.0065	.0325	<.001	<.002	<.004	<.002	<.005	<.001	.0557	<.004
FEB											
11...	<.002	<.002	<.002	<.001	<.002	<.004	<.002	<.005	<.001	<.002	<.004
11...	.0066	E.0139	E.0040	<.001	<.002	<.004	<.002	<.005	<.001	.0367	<.004
MAR											
04...	.0084	E.0085	.0053	<.001	<.002	<.004	<.002	<.005	<.001	.100	<.004
22...	.0060	E.0050	.0254	<.001	<.002	<.004	<.002	<.005	<.001	.0722	<.004
APR											
08...	E.0032	E.0146	.0052	<.001	<.002	<.004	<.002	<.005	<.001	.0148	<.004
21...	E.0014	E.0211	.0046	<.001	<.005	<.004	<.002	<.005	<.001	.0148	<.004
28...	E.0025	E.0121	E.0027	<.001	<.002	<.004	<.002	<.005	<.001	.0121	<.004
MAY											
06...	<.002	E.0285	.0220	<.001	<.002	<.004	<.002	<.005	<.001	.0128	<.004
13...	E.0014	E.0421	.0328	<.001	<.002	<.004	<.002	<.005	<.001	.0283	<.004
19...	E.0019	E.0161	.0596	<.001	<.002	<.004	<.002	.0144	<.001	.198	<.004
24...	E.0026	E.0476	.0274	<.001	<.002	<.004	<.002	<.005	<.001	.385	<.004
JUN											
03...	<.002	E.0338	.0162	<.001	<.002	<.004	<.002	<.005	<.001	.152	<.004
08...	E.0015	E.0506	.0175	<.001	<.002	<.004	<.002	<.005	<.001	.0891	<.004
08...	<.002	E.0416	.0148	<.001	<.002	<.004	<.002	<.005	<.001	.0746	<.004
16...	E.0011	E.0391	.0140	<.001	<.002	<.004	<.002	<.005	<.001	.0819	<.004
23...	<.002	E.0268	.0106	<.001	<.002	<.004	<.002	<.005	<.001	.0405	<.004
30...	<.002	E.0308	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0314	<.004
JUL											
07...	<.002	E.0414	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0216	<.004
14...	<.002	E.0254	.0055	<.001	<.002	<.004	<.002	<.005	<.001	.0099	<.004
20...	<.002	E.0249	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0117	<.004
AUG											
05...	<.002	<.010	<.002	<.001	<.002	<.004	<.002	<.005	<.001	<.002	<.004
17...	<.002	E.0110	.0524	<.001	<.002	<.004	<.002	<.005	<.001	.0895	<.004
30...	<.002	E.0092	.0850	<.001	<.002	<.004	<.002	<.005	<.001	.0373	<.004
SEP											
16...	E.0030	E.0137	.117	<.001	<.002	<.004	<.002	<.005	<.001	.108	<.004

NESHAMINY CREEK BASIN

01464907 LITTLE NESHAMINY CREEK AT VALLEY ROAD NEAR NESHAMINY, PA--Continued

WATER-COLUMN PESTICIDE ANALYSES--Continued

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

DATE	NAPROP-AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82684)	P,P' DDE DISSOLV (µG/L) (34653)	PENDI-METH-ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82683)	PRO-METON, WATER, DISS, REC (µG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82676)	PRO-PANIL WATER FLTRD 0.7 µ GF, REC (µG/L) (82679)	SI-MAZINE, WATER, DISS, REC (µG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 µ GF, REC (µG/L) (82670)	TER-BACIL WATER FLTRD 0.7 µ GF, REC (µG/L) (82665)	TER-BUTHYL-AZINE, WATER, DISS, REC (µG/L) (04022)	TRI-FLUR-ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82661)
JAN 1999											
20...	<.003	<.006	<.004	E.0154	<.003	<.004	.0109	<.010	<.007	--	E.0018
FEB											
11...	<.003	<.006	<.004	E.0128	<.003	<.004	.0085	<.010	<.007	--	<.002
11...	<.003	<.006	<.004	E.0128	<.003	<.004	.0085	<.010	<.007	--	<.002
MAR											
04...	<.003	<.006	<.004	E.0075	<.003	<.004	.0118	<.010	<.007	--	<.002
22...	<.003	<.006	.0324	E.0086	<.003	<.004	.0102	<.010	<.007	--	.0062
APR											
08...	<.003	<.006	<.004	E.0113	<.003	<.004	.0083	<.0767	<.007	--	<.002
21...	<.003	<.006	<.004	E.0091	<.003	<.004	.0101	<.010	<.007	--	E.0025
28...	<.003	<.006	<.004	E.0122	<.003	<.004	E.0046	<.0767	<.007	--	E.0038
MAY											
06...	<.003	<.006	<.004	E.0116	<.003	<.004	.0059	<.0767	<.007	--	<.002
13...	<.003	<.006	<.004	.118	<.003	<.004	.0118	<.010	<.007	--	E.0024
19...	<.003	<.006	.0710	<.018	<.003	<.004	.0121	<.0767	<.007	--	.0066
24...	<.003	<.006	<.015	.582	<.003	<.004	.0101	<.010	<.007	--	.0048
JUN											
03...	<.003	<.006	<.004	.0258	<.003	<.004	.0116	<.0767	<.007	<.005	<.002
08...	<.003	<.006	<.004	.0215	<.003	<.004	.0104	<.010	<.007	<.005	<.002
08...	<.003	<.006	<.004	.0275	<.003	<.004	.0108	<.010	<.007	<.005	<.002
16...	<.003	<.006	<.009	.207	<.003	<.004	.0107	<.010	<.007	<.005	<.002
23...	<.003	<.006	<.004	.0329	<.003	<.004	<.005	<.010	<.007	--	<.002
30...	<.003	<.006	<.004	.0383	<.003	<.004	<.005	<.010	<.007	<.005	<.002
JUL											
07...	<.003	<.006	<.004	.0418	<.003	<.004	.0069	<.0767	<.007	--	<.002
14...	<.003	<.006	<.004	.0361	<.003	<.004	.0063	<.010	<.007	<.005	<.002
20...	<.003	<.006	<.004	1.95	<.003	<.004	.0138	<.010	<.007	<.005	E.0019
AUG											
05...	<.003	<.006	<.004	.0328	<.003	<.004	<.005	<.0767	<.007	--	<.002
17...	<.003	<.006	<.004	.0819	<.003	<.004	<.005	<.010	<.007	--	<.002
30...	<.003	<.006	<.004	.0763	<.003	<.004	<.01	<.010	<.007	--	<.002
SEP											
16...	<.003	<.008	<.004	.0245	<.003	<.004	<.005	<.010	<.007	--	<.002

