

SCHUYLKILL RIVER BASIN

01470962 TULPEHOCKEN CREEK WATER PLANT INTAKE AT BLUE MARSH, PA  
(National Water-Quality Assessment Station)

LOCATION.--Lat 40°22'08", long 76°01'24", Berks County, Hydrologic Unit 02040203, on right bank of Tulpehocken Creek at water plant intake on Water Road, 0.8 mi downstream of dam at Blue Marsh Reservoir, 1.3 mi upstream of Bridge on Rebers Bridge Road, and 7 mi northwest of Reading.

DRAINAGE AREA.--178 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1999 to October 2000. Prior to water year 2000 (PA-99-1), this site was published as 01470962 Blue Marsh Reservoir Intake.

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

DATE	TIME	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)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 1999										
18...	1440	752	--	--	7.9	330	18.5	--	.31	.51
NOV										
16...	1500	--	--	--	8.2	345	5.5	--	.29	.67
DEC										
15...	0900	758	--	--	8.1	349	7.5	--	.37	.67
JAN 2000										
19...	0840	754	--	--	8.7	350	-4.5	--	.26	.52
MAR										
20...	1640	763	--	--	8.1	333	10.0	--	.34	.45
MAY										
17...	1010	761	98	9.4	8.3	328	20.0	17.0	.28	.38
JUN										
01...	1610	760	--	--	--	--	33.0	--	.30	.43
14...	1030	759	--	--	7.7	333	17.5	--	.31	.48
29...	1240	--	--	--	7.7	281	--	--	.48	.61
JUL										
11...	1230	--	--	--	7.8	307	--	--	.42	.61
AUG										
02...	1510	--	--	--	7.4	360	--	--	.42	.48
14...	1340	752	76	6.7	7.6	390	25.5	20.5	.60	.80
28...	1735	--	--	--	7.5	408	27.5	--	.74	.89
OCT										
02...	1620	--	--	--	7.9	365	24.0	18.0	.38	.54

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)
OCT 1999									
18...	.066	4.8	4.6	4.33	.038	.016	<.010	.041	--
NOV									
16...	<.020	4.5	4.1	3.84	.034	E.005	<.010	.044	--
DEC									
15...	.090	4.3	4.0	3.68	.040	.008	<.010	.057	--
JAN 2000									
19...	<.020	5.5	5.2	4.97	.033	.007	.010	.036	--
MAR									
20...	.022	5.9	5.8	5.45	.028	.009	<.010	.032	--
MAY									
17...	.058	5.1	5.0	4.72	.026	.007	<.010	--	5
JUN									
01...	.091	4.7	4.6	4.27	.045	.015	.010	--	--
14...	.077	4.9	4.8	4.45	.117	.008	<.010	.031	--
29...	.136	4.5	4.3	3.86	.076	.080	.063	.153	--
JUL									
11...	.100	5.0	4.8	4.38	.139	.057	.043	.092	--
AUG									
02...	.154	5.1	5.0	4.62	.165	.032	.022	.055	--
14...	.277	4.9	4.7	4.08	.154	.023	.017	.062	--
28...	.456	4.3	4.2	3.43	.157	.024	.016	.076	--
OCT									
02...	.130	3.9	3.8	3.38	.049	.017	E.013	.063	--

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## 01470962 TULPEHOCKEN CREEK WATER PLANT INTAKE AT BLUE MARSH, 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 OCTOBER 2000

DATE	TIME	ACETO- CHLOR ESA FLTRD 0.7 µM GF REC (µG/L) (61029)	ACETO- CHLOR, WATER FLTRD REC (µG/L) (49260)	ACETO- CHLOR OA FLTRD GF REC (µG/L) (61030)	ALA- CHLOR OA FLTRD GF REC (µG/L) (61031)	ALA- CHLOR, (ESA) WAT FLT GF 0.7µ REC (µG/L) (50009)	ALA- CHLOR, WATER, DISS, REC, (µG/L) (46342)	ATRA- ZINE, WATER, DISS, REC (µG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 µ GF, REC (µG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (µG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)
NOV 1999											
16...	1500	--	<.002	--	--	--	<.002	.065	<.002	<.002	<.003
DEC 15...	0900	<.05	<.002	<.05	<.05	.200	<.002	.067	<.002	<.002	<.003
JAN 2000											
19...	0840	--	<.002	--	--	--	<.002	.056	<.002	<.002	E.005
MAR 20...	1640	<.05	<.002	<.05	<.05	.050	.005	.045	<.002	<.002	<.003
MAY 17...	1010	--	.005	--	--	--	<.002	.044	<.002	<.002	<.003
JUN 01...	1610	--	.040	--	--	--	.009	.445	<.002	<.002	<.003
14...	1030	--	.036	--	--	--	.009	.444	<.002	<.002	<.003
29...	1240	--	.048	--	--	--	.021	1.60	<.002	<.002	E.012
JUL 11...	1230	--	.027	--	--	--	.015	1.20	<.002	<.002	E.008
AUG 02...	1510	--	.014	--	--	--	.011	.761	<.002	<.002	<.003
14...	1340	--	.012	--	--	--	.008	.592	<.002	<.002	E.047
28...	1735	--	.009	--	--	--	.008	.475	<.002	<.002	<.003
OCT 02...	1620	--	<.004	--	--	--	E.003	.333	<.010	<.002	<.041

DATE	CARBO- FURAN WATER FLTRD 0.7 µ GF, REC (µG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (µG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (µG/L) (04041)	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)	FONOFOS WATER DISS REC (µG/L) (04095)	LINDANE DIS- SOLVED (µG/L) (39341)
NOV 1999										
16...	<.003	<.004	<.004	<.002	E.093	<.002	<.001	<.002	<.003	<.004
DEC 15...	<.003	<.004	<.004	<.002	E.077	<.002	<.001	<.002	<.003	<.004
JAN 2000										
19...	<.003	E.003	<.004	<.002	E.084	<.002	<.001	<.002	<.003	<.004
MAR 20...	<.003	<.004	<.004	<.002	E.078	<.002	<.001	E.002	<.003	<.004
MAY 17...	<.003	<.004	<.004	<.002	E.092	<.002	<.001	<.002	<.003	<.004
JUN 01...	<.003	E.003	.029	<.002	E.11	<.002	<.001	<.002	<.003	<.004
14...	<.003	<.004	.026	<.002	E.10	<.002	<.001	<.002	<.003	<.004
29...	E.019	.012	.037	<.002	E.17	.015	<.001	<.002	<.003	<.004
JUL 11...	<.020	.008	.024	<.002	E.25	.011	<.001	<.002	<.003	<.004
AUG 02...	E.012	.004	.017	<.002	E.21	.005	<.001	<.002	<.003	<.004
14...	<.050	<.006	.021	<.002	E.20	.007	<.001	<.002	<.003	<.004
28...	<.003	<.004	<.020	<.002	E.18	.007	<.001	<.002	<.003	<.004
OCT 02...	<.020	<.005	E.012	<.003	E.16	E.002	<.005	<.002	<.003	<.004

## SCHUYLKILL RIVER BASIN

## 01470962 TULPEHOCKEN CREEK WATER PLANT INTAKE AT BLUE MARSH, PA--Continued

## WATER-COLUMN PESTICIDE ANALYSES--Continued

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

DATE	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)	METOLA- CHLOR ESA FLTRD 0.7 µM GF REC (µG/L) (61043)	METOLA- CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61044)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	METRI- BUZIN WATER DISSOLV (µG/L) (82630)	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)
	NOV 1999 16...	<.002	<.005	<.001	--	--	.014	<.004	<.003	E.002
DEC 15...	<.002	<.005	<.001	.76	.10	.014	<.004	<.003	<.006	<.004
JAN 2000 19...	<.002	<.005	<.001	--	--	.012	<.004	<.003	<.006	<.004
MAR 20...	<.002	<.005	<.001	.67	.06	.013	<.004	<.003	E.002	<.004
MAY 17...	<.002	<.005	<.001	--	--	.018	<.004	<.003	<.006	.007
JUN 01...	<.002	<.005	<.001	--	--	.194	<.004	<.003	<.006	.022
14...	<.002	<.005	<.001	--	--	.177	<.004	<.003	<.006	.021
29...	<.002	<.005	<.001	--	--	.520	<.004	E.003	<.006	.125
JUL 11...	<.002	<.005	<.001	--	--	.489	<.004	<.003	<.006	.047
AUG 02...	<.002	<.005	<.001	--	--	.268	<.004	<.003	<.006	.021
14...	<.002	<.005	<.001	--	--	.193	<.004	<.003	<.006	<.008
28...	<.002	<.005	<.001	--	--	.128	<.004	<.003	<.006	<.005
OCT 02...	<.035	<.027	<.050	--	--	.052	<.006	<.007	<.002	<.010
DATE	PRO- METON, WATER, DISS, REC (µG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (µG/L) (04024)	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)	TRIAL- LATE WATER FLTRD 0.7 µ GF, REC (µG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 µ GF, REC (µG/L) (82661)
NOV 1999 16...	E.009	<.003	<.007	<.004	.015	E.007	<.007	<.005	<.001	E.002
DEC 15...	E.009	<.003	<.007	<.004	.015	E.006	<.007	<.005	<.001	<.002
JAN 2000 19...	E.008	<.003	<.007	<.004	.011	E.005	<.007	<.005	<.001	<.002
MAR 20...	E.007	<.003	<.007	<.004	.009	E.009	<.007	<.005	<.001	<.002
MAY 17...	E.007	<.003	<.007	<.004	<.005	E.007	<.007	<.005	<.001	<.002
JUN 01...	E.010	<.003	<.007	<.004	.025	E.006	<.007	<.005	<.001	<.002
14...	E.009	<.003	<.007	<.004	.033	<.010	<.007	<.005	<.001	E.001
29...	E.016	<.003	<.007	<.004	.110	<.010	<.007	<.005	<.001	E.002
JUL 11...	E.013	<.003	<.007	<.004	.123	<.010	<.007	<.005	<.001	<.002
AUG 02...	E.015	<.003	<.007	<.004	.092	E.006	<.007	<.005	<.001	<.002
14...	E.017	<.003	<.007	<.004	.068	E.007	<.007	<.005	<.001	<.002
28...	E.014	<.003	<.007	<.004	.051	E.007	<.007	<.005	<.001	<.002
OCT 02...	E.015	<.004	<.010	<.011	.036	E.007	<.034	<.005	<.002	<.009