SCHUYLKILL RIVER BASIN

01470962 BLUE MARSH RESERVOIR INTAKE
(National Water-Quality Assessment Station)

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

PERIOD OF RECORD.--May 1999 to current year.

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

DATE	TIME	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	NITRO-GEN, AMMONIA 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)
MAY 1999							
14...	1140	7.9	332	--	--	--	--
27...	1400	7.5	342	--	--	--	--
JUN							
11...	1430	8.0	348	--	--	--	--
JUL							
02...	1425	7.4	358	--	--	--	--
15...	1500	7.7	360	--	--	--	--
29...	1220	7.7	368	--	--	--	--
AUG							
12...	1030	7.4	380	--	--	--	--
26...	1210	7.8	370	--	--	--	--
SEP							
09...	1400	7.6	375	--	--	--	--
23...	1230	7.8	284	.11	.2	.7	4.2

DATE	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)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAY 1999						
14...	--	--	--	--	--	--
27...	--	--	--	--	--	--
JUN						
11...	--	--	--	--	--	--
JUL						
02...	--	--	--	--	--	--
15...	--	--	--	--	--	--
29...	--	--	--	--	--	--
AUG						
12...	--	--	--	--	--	--
26...	--	--	--	--	--	--
SEP						
09...	--	--	--	--	--	--
23...	4.0	4.7	.05	.04	.03	.084

WATER-COLUMN PESTICIDE ANALYSES

REMARKS.--Selected samples were analyzed for pesticides on schedules 2001 and LCAA (listed with minimum reporting levels on pages 429 and 432). 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 ESA FLTRD 0.7 µM GF REC (µG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (µG/L) (49260)	ALA-CHLOR OA FLTRD 0.7 µM GF REC (µG/L) (61031)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (µG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (µG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (µG/L) (39632)
MAY 1999									
14...	1140	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0627
27...	1400	ENVIRONMENTAL	--	--	.0054	--	--	<.002	.0655
JUN									
11...	1430	ENVIRONMENTAL	--	--	<.002	--	--	<.002	.0707
11...	*1431*	*CONCURRENT REPLICATE*	--	--	*.0057*	--	--	*<.002*	*.0709*
JUL									
02...	1425	ENVIRONMENTAL	<.050	<.05	<.002	<.05	.120	<.002	.0876
15...	1500	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.0941
29...	1220	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.100	<.002	.112
AUG									
12...	*1029*	*FIELD BLANK*	*<.05*	*<.05*	*<.002*	*<.05*	*<.050*	*<.002*	*<.001*
12...	1030	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.132
26...	1210	ENVIRONMENTAL	<.05	<.05	<.002	<.05	<.050	<.002	.115
SEP									
09...	1400	ENVIRONMENTAL	<.05	<.05	<.002	<.05	.060	<.002	.0929
23...	1230	ENVIRONMENTAL	.10	.09	.0090	.08	.130	.0108	.0776

SCHUYLKILL RIVER BASIN

01470962 BLUE MARSH RESERVOIR INTAKE--Continued

WATER-COLUMN PESTICIDE ANALYSES--Continued

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

DATE	BEN-FLUR-ALIN WAT FLD 0.7 µ GF, REC (µG/L) (82673)	CAR-BARYL WATER FLTRD 0.7 µ GF, REC (µG/L) (82680)	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)
MAY 1999										
14...	<.002	<.003	<.003	<.004	<.004	<.002	E.0648	<.002	<.001	<.002
27...	<.002	<.003	<.003	<.004	<.004	<.002	E.0946	<.002	<.001	<.002
JUN										
11...	<.002	<.003	<.003	<.004	<.004	<.002	E.0724	<.002	<.001	<.002
11...	*<.002*	*<.003*	*<.003*	*<.004*	*<.004*	*<.002*	*E.0676*	*<.002*	*<.001*	*<.002*
JUL										
02...	<.002	<.003	<.003	<.004	<.004	<.002	E.125	<.002	<.001	<.002
15...	<.002	<.003	<.003	<.004	<.004	<.002	E.109	<.002	<.001	<.002
29...	<.002	<.003	<.003	<.004	<.004	<.002	E.100	<.002	<.001	<.002
AUG										
12...	*<.002*	*<.003*	*<.003*	*<.004*	*<.004*	*<.002*	*<.002*	*<.002*	*<.001*	*<.002*
12...	<.002	<.003	<.003	<.004	.0066	<.002	E.109	<.002	<.001	<.002
26...	<.002	<.003	<.003	<.004	<.004	<.002	E.116	<.002	<.001	<.002
SEP										
09...	<.002	<.003	<.003	<.004	<.004	E.0029	E.0891	<.002	<.001	<.002
23...	<.002	<.003	<.003	<.004	.0092	<.002	E.0782	.0061	<.001	<.002

DATE	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)	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 SENCOR WATER DISSOLV (µG/L) (82630)	NAPROP-AMIDE WATER FLTRD 0.7 µ GF, REC (µG/L) (82684)	P,P' DDE DISSOLV (µG/L) (34653)
MAY 1999										
14...	<.004	<.002	<.005	<.001	--	--	.0150	<.004	<.003	<.006
27...	<.004	<.002	<.005	<.001	--	--	.0158	<.004	<.003	<.006
JUN										
11...	<.004	<.002	<.005	<.001	--	--	.0173	<.004	<.003	<.006
11...	*<.004*	*<.002*	*<.005*	*<.001*	--	--	*.0165*	*<.004*	*<.003*	*<.006*
JUL										
02...	<.004	<.002	<.005	<.001	.70	<.05	.0237	<.004	<.003	<.006
15...	<.004	<.002	<.005	<.001	.40	<.05	.0245	<.004	<.003	<.006
29...	<.004	<.002	<.005	<.001	.38	<.05	.0279	<.004	<.003	<.006
AUG										
12...	*<.004*	*<.002*	*<.005*	*<.001*	*<.05*	*<.05*	*<.002*	*<.004*	*<.003*	*<.006*
12...	<.004	<.002	<.005	<.001	.12	<.05	.0314	<.004	<.003	<.006
26...	<.004	.0102	<.005	<.001	.21	<.05	.0199	<.004	<.003	<.006
SEP										
09...	<.004	<.002	<.005	<.001	.28	<.05	.0128	<.004	<.003	<.006
23...	<.004	<.007	<.005	<.001	.49	.13	.0429	<.004	<.003	E.0018

DATE	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)
MAY 1999									
14...	<.004	E.0073	<.003	<.004	.0123	<.010	<.007	--	<.002
27...	<.004	E.0050	<.003	<.004	.0133	<.010	<.007	--	<.002
JUN									
11...	<.004	E.0089	<.003	<.004	.0310	<.010	<.007	<.005	<.002
11...	*<.004*	*E.0076*	*<.003*	*<.004*	*.0289*	*<.010*	*<.007*	*<.005*	*<.002*
JUL									
02...	<.004	E.0084	<.003	<.004	.0435	<.010	<.007	<.005	<.002
15...	<.004	<.018	<.003	<.004	.0504	<.010	<.007	<.005	<.002
29...	<.004	<.018	<.003	<.004	.0648	<.010	<.007	--	<.002
AUG									
12...	*<.004*	*<.018*	*<.003*	*<.004*	*<.005*	*<.010*	*<.007*	--	*<.002*
12...	<.004	E.0123	<.003	<.004	.0573	<.010	<.007	--	<.002
26...	<.004	E.0118	<.003	<.004	.0556	<.020	<.007	--	<.002
SEP									
09...	<.004	E.0142	<.003	<.004	.0433	<.010	<.007	<.005	<.002
23...	<.004	E.0105	<.003	<.004	.0231	E.0071	<.007	--	<.002