#### 01460200 DELAWARE RIVER BELOW TOHICKON CREEK AT POINT PLEASANT, PA

LOCATION.--Lat 40°25'06", long 75°03'42", Bucks County, Hydrologic Unit 02040105, on right bank at Forest Park Water Company pump station, 0.2 mi downstream from Tohickon Creek and 0.4 mi southeast of Point Pleasant.

**DRAINAGE AREA**.--6,570 mi<sup>2</sup>.

PERIOD OF RECORD.--May 2000 to current year.

#### PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: May 2000 to current year.

pH: May 2000 to current year.
WATER TEMPERATURE: May 2000 to current year.
DISSOLVED OXYGEN: May 2000 to current year.

INSTRUMENTATION.--Probes interfaced with a data collection platform with 30-minute recording interval. Satellite telemetry at station.

**REMARKS.**--Specific conductance and pH records rated good. Water temperature records rated fair. Dissolved oxygen records rated fair except for periods June 29 to July 3 and July 7-13, which are poor. Data collection discontinued December through April. Other interruptions in the record were due to instrument malfunctions. Water is pumped continuously from the river to a flow-through chamber.

#### EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 250 microsiemens, Sept. 15, 2000; minimum, 89 microsiemens, June 8, 9, 2000. pH: Maximum, 9.4, July 8-10, 12, 2000; minimum, 7.0, June 9, 2000. WATER TEMPERATURE: Maximum, 28.0°C, Sept. 4, 2000; minimum, 13.0°C, May 1, 2000. DISSOLVED OXYGEN: Maximum, 12.4 mg/L, July 8, 2000; minimum, 7.0 mg/L, Sept. 4, 2000.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	1	FEBRUARY			MARCH			APRIL		MAY			
1										144	140	142	
2										150	144	148	
3										155	149	151	
4										161	153	155	
5										164	158	160	
6										168	160	163	
7										170	165	168	
8										177	169	174	
9										181	177	180	
10										184	176	179	
11										189	177	182	
12										195	149	172	
13										149	137	140	
14										137	128	132	
15										129	115	124	
16													
17													
18													
19													
20										148	134	144	
21										134	122	126	
22										122	118	119	
23										123	119	122	
24													
25										118	98	113	
0.5										0.0	0.0	0.4	
26										98	93	94	
27										101	94	98	
28										110	101	106	
29										115	110	112	
30										122	115	118	
31										127	122	124	
MONTH													

## 01460200 DELAWARE RIVER BELOW TOHICKON CREEK AT POINT PLEASANT, PA

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	EPTEMBER 200 MEAN
DAI	MAA	MITIM	MEAN	MAA	MITIM	MEAN	MAA	INITIN	MEAN	MAA	MITIN	MEAN
		JUNE			JULY			AUGUST		:	SEPTEMBE	ir.
1	135	127	130	158	152	154	190	163	179	240	233	237
2	142	134	137	157	150	152	163	155	159	240	227	232
3	149	141	143	164	157	159	166	161	163	241	223	232
4	153	145	147				175	166	170	234	218	225
5	162	153	157				175	171	173	220	208	212
6	169	162	165	178	174	176	180	175	179	214	209	212
7	171	111	154	179	176	178				225	214	221
8	111	89	95	188	179	185				230	220	223
9	95	89	93	198	188	193				236	230	233
10	102	94	98	203	197	198	181	177	180	238	235	237
11	112	102	106	213	203	206	186	181	184	238	233	236
12	130	112	121	221	213	217	188	181	185	247	232	236
13	130	112	121			217					232	236
				224	217		195	165	188	248		
14				229	219	222				250	229	240
15	125	116	121	231	221	225				229	180	207
16	119	114	117	236	231	233				180	172	174
17	123	119	121	235	161	200				190	174	180
18	129	123	126	161	128	141				190	179	185
19	138	129	133	141	128	135	194	184	190	185	178	181
20	136	132	134	149	141	146	201	194	197	201	185	194
21	136	132	133	161	148	154	210	201	204	205	197	201
22	147	132	138	175	157	167	218	210	214	198	188	194
23				179	174	177	220	214	217	197	188	193
24	140	136	138	185	179	181	220	214	218	207	197	203
25	145	138	141	190	179	183	227	218	222	219	207	213
26				196	188	191	220	207	214	233	219	227
27				220	195	203	213	207	210	241	232	236
28				220	176	194	218	213	215	233	216	222
29	150	143	145	220		194	210	213	215	216	209	213
30	157	150	152		175		231	224	227	211	203	207
31				195	175	187	238	229	231			
MONTH										250	172	215

## PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUAR	r <b>y</b>		MARCH			APRIL		MAY		
1										8.1	7.6	7.8
2										8.1	7.6	7.8
3										8.4	7.6	7.9
4										8.5	7.7	8.0
5										8.5	7.6	7.9
3										0.5	,	
6										8.7	7.6	8.0
7										8.8	7.6	8.1
8										9.1	7.6	8.2
9										9.1	7.7	8.4
10										8.3	7.7	8.0
11										8.8	7.5	7.9
12										8.0	7.5	7.7
13										7.8	7.4	7.5
14										7.4	7.4	7.4
15										7.4	7.3	7.4
16												
17												
18												
19												
20										7.6	7.5	7.5
21										7.5	7.5	7.5
22										7.5	7.5	7.5
23										7.5	7.5	7.5
24												
25										7.5	7.3	7.4
26										7.3	7.2	7.3
27										7.3	7.3	7.3
28										7.4	7.3	7.4
29										7.5	7.4	7.4
30										7.6	7.4	7.5
31										7.7	7.5	7.5
MAX										9.1	7.7	8.4
MIN										7.3	7.2	7.3

## 01460200 DELAWARE RIVER BELOW TOHICKON CREEK AT POINT PLEASANT, PA

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  $\,$ 

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST		:	SEPTEMB	≅R
1 2 3 4 5	7.7 7.9 8.0 8.2 8.1	7.5 7.4 7.5 7.5 7.5	7.6 7.6 7.7 7.8 7.7	8.5 8.6 8.8 	7.7 7.8 7.8 	8.0 8.1 8.1 	7.7 7.6 7.5 7.5 7.6	7.5 7.5 7.5 7.5 7.5	7.6 7.5 7.5 7.5 7.5	8.9 8.7 8.6 8.8 8.9	7.8 7.8 7.7 7.7 7.7	8.3 8.1 8.1 8.1 8.2
6 7 8 9 10	7.7 7.6 7.3 7.2 7.3	7.5 7.3 7.1 7.0 7.2	7.6 7.5 7.2 7.2 7.2	9.3 9.4 9.4 9.4	8.0 8.0 8.1 8.1	8.8 8.9 8.9 8.8	7.6   8.2	7.5   7.7	7.5   7.8	8.9 9.0 9.0 9.0	7.8 7.8 7.8 7.9 7.8	8.3 8.4 8.5 8.5 8.4
11 12 13 14 15	7.4 7.3  7.5	7.2 7.1  7.5	7.3 7.2  7.5	9.3 9.4 9.3 8.8 8.6	8.1 8.2 8.2 8.1 7.7	9.0 9.0 8.9 8.4 8.1	8.1 8.0 7.9 	7.7 7.7 7.6 	7.8 7.8 7.7 	9.0 8.9 8.7 8.6 7.9	7.8 7.7 7.7 7.7 7.5	8.3 8.2 8.0 7.9 7.7
16 17 18 19 20	7.5 7.6 7.5 7.6 7.7	7.5 7.5 7.4 7.5 7.5	7.5 7.5 7.5 7.5 7.6	8.5 7.8 7.6 7.5 7.9	7.7 7.6 7.4 7.4 7.4	8.0 7.7 7.5 7.4 7.6	  8.1 8.1	  7.7 7.7	  7.8 7.9	8.0 8.1 8.2 8.1 8.4	7.5 7.6 7.6 7.6 7.7	7.6 7.7 7.8 7.7 7.8
21 22 23 24 25	7.6 7.6  7.8 8.0	7.5 7.5  7.6 7.6	7.6 7.5  7.7 7.7	8.0 8.1 8.2 8.1 8.2	7.5 7.5 7.5 7.5 7.5	7.7 7.7 7.8 7.7 7.8	8.3 8.5 8.4 8.4	7.8 7.8 7.9 7.8 7.8	7.9 8.0 8.1 8.0	8.4 8.5 8.0 8.2 8.3	7.7 7.7 7.7 7.7 7.7	7.8 7.9 7.8 7.8 7.9
26 27 28 29 30 31	8.2 8.1	  7.7 7.6	  7.8 7.8	7.9 7.8 7.8  8.2	7.6 7.5 7.5  7.5	7.7 7.7 7.6  7.6	8.7 8.8 8.6  8.8 8.9	7.9 7.9 7.9  7.9 7.9	8.2 8.3 8.3  8.3 8.3	8.3 8.4 8.4 8.4	7.8 7.8 7.7 7.7 7.7	7.9 8.0 7.9 7.9 8.0
MAX MIN	8.2 7.2	7.7 7.0	7.8 7.2	9.4 7.5	8.2 7.4	9.0 7.4	8.9 7.5	7.9 7.5	8.3 7.5	9.0 7.9	7.9 7.5	8.5 7.6

### WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		FEBRUAR	Y		MARCH			APRIL			MAY		
1										14.5	13.0	13.5	
2										15.5	14.0	14.5	
3										17.0	14.0	15.5	
4										18.0	15.0	16.5	
5										19.5	17.0	18.0	
6										20.5	18.0	19.0	
7										22.5	19.0	20.5	
8										24.0	20.5	22.0	
9										25.5	22.5	24.0	
10										24.5	21.5	23.0	
11										23.0	21.0	22.0	
12										21.5	20.5	21.0	
13										22.0	20.0	21.0	
14										21.0	19.5	20.0	
15										20.0	19.0	19.5	
16													
17													
18													
19													
20										17.0	15.5	16.0	
21										15.5	15.0	15.0	
22										15.0	14.5	14.5	
23										15.0	14.5	14.5	
24													
25										16.5	15.5	16.0	
26										17.5	16.0	16.5	
27										17.0	16.5	17.0	
28										16.5	16.0	16.5	
29										17.0	16.0	16.5	
30										17.0	16.0	16.5	
31										18.0	16.5	17.0	
MONTH										25.5	13.0	17.9	

# DELAWARE RIVER BASIN

## 01460200 DELAWARE RIVER BELOW TOHICKON CREEK AT POINT PLEASANT, PA

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE			JULY			AUGUST			SEPTEMBER		
1 2 3 4 5	20.0 22.0 23.0 22.5 22.0	17.5 19.0 20.5 21.0 20.0	18.5 20.5 21.5 21.5 21.0	25.5 25.5 26.0 	23.0 23.0 23.5 	24.0 24.5 25.0	24.0 23.0 23.5 24.0 24.5	23.0 22.0 22.5 23.0 22.5	23.5 22.5 23.0 23.5 23.5	27.0 27.5 27.0 28.0 26.0	24.5 25.0 25.0 25.5 23.5	25.5 26.0 26.0 26.5 24.5	
6 7 8 9 10	20.0 19.0 17.5 19.0 20.5	18.5 17.5 16.0 17.0 18.5	19.0 18.0 17.0 18.0 19.5	26.5 26.0 25.5 25.5 27.0	24.0 23.5 22.0 22.5 24.0	25.0 24.5 24.0 24.0 25.0	23.0   27.5	22.5   25.0	22.5   26.0	24.5 24.0 23.0 24.5 25.0	21.5 21.0 20.5 21.0 22.5	23.0 22.0 22.0 22.5 23.5	
11 12 13 14 15	23.0 23.0  19.5	20.5 22.0  19.0	21.5 22.5  19.0	27.0 27.5 27.0 25.5 25.5	24.0 23.5 24.0 24.5 23.5	25.5 25.5 25.5 25.0 24.5	27.5 26.0 25.0 	25.0 25.0 23.5 	26.5 25.5 24.0 	25.0 25.5 26.0 25.5 24.0	23.0 23.5 22.5 22.5	24.0 24.0 24.5 23.5 23.0	
16 17 18 19 20	21.0 24.0 25.0 24.5 24.5	19.0 20.0 23.5 23.5 22.5	19.5 22.0 24.5 24.0 23.5	25.5 25.0 25.0 24.0 24.5	23.5 23.0 23.5 23.0 22.0	24.5 24.0 24.0 23.5 23.0	23.0 24.0	20.5 21.0	  22.0 22.5	22.5 21.5 21.0 19.5 22.0	20.5 19.5 18.5 19.0 18.5	21.5 20.0 19.5 19.5 20.0	
21 22 23 24 25	24.0 24.5  24.5 26.0	22.5 23.0  22.5 23.5	23.5 23.5  23.5 24.5	25.0 26.0 25.5 24.0 24.0	22.0 23.0 22.5 23.0 22.5	23.5 24.0 24.0 23.5 23.5	24.0 24.0 22.0 24.5 25.0	21.0 21.0 21.0 21.5 22.5	22.5 22.5 22.0 23.0 23.5	22.0 22.0 20.0 20.5 19.5	20.0 19.0 19.0 19.5 18.0	20.5 20.5 19.5 20.0 19.0	
26 27 28 29 30 31	24.5 25.0	23.0 22.5	23.5 24.0	23.5 23.0 24.0  25.5	22.5 22.0 22.0  23.5	23.0 22.5 22.5  24.0	25.5 25.5 25.0  25.5 26.5	22.0 22.5 23.5  22.5 24.0	23.5 24.0 24.5  24.0 25.0	18.0 18.5 18.0 18.0 18.0	16.5 15.5 16.0 15.0 15.0	17.0 17.0 17.0 16.0 16.0	
MONTH	26.0	16.0	21.4	27.5	22.0	24.1	27.5	20.5	23.6	28.0	15.0	21.5	

#### OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 MIN MEAN MAX MEAN MAX MIN MEAN MAX

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1 2										11.4 11.3	10.9 10.5	11.1 10.8
3										11.4	10.5	10.8
4										11.4	10.4	10.9
5										11.2	9.1	10.4
6										11.3	9.5	10.5
7										11.3	9.2	10.1
8										10.8	8.8	9.7
9										10.5	7.8	9.1
10										9.2	7.7	8.5
11										10.5	7.8	8.9
12										9.5	8.4	8.9
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MONTH										11.4	7.7	10.0

# 01460200 DELAWARE RIVER BELOW TOHICKON CREEK AT POINT PLEASANT, PA

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE			JULY			AUGUST		5	SEPTEMBER		
1 2				9.2 9.3	8.2	8.6 8.7	7.8 7.9	7.4 7.5	7.6 7.7	9.5 9.2	7.2 7.1	8.2	
3				9.6	8.3	8.8				9.0	7.1	8.0	
4										9.1	7.0	8.0	
5										9.6	7.3	8.3	
6										10.1	7.7	8.8	
7				11.9	9.1	10.4				10.5	8.0	9.1	
8				12.4	9.6	11.0				10.6	8.2	9.3	
9				12.3	9.6	11.0				10.7	8.0	9.3	
10				12.1	9.3	10.6	8.1	7.4	7.7	10.5	7.8	9.0	
11				11.4	9.0	10.1	7.9	7.3	7.6	10.4	7.5	8.8	
12				10.8	8.7	9.8	7.9	7.3	7.6	10.1	7.3	8.6	
13				9.9	8.2	9.1	8.1	7.5	7.8	9.7	7.2	8.2	
14										9.5	7.3	8.2	
15										8.4	7.4	7.8	
16										8.9	7.6	8.2	
17										9.6	8.2	8.8	
18				=-=						9.8	8.7	9.2	
19				7.7	7.5	7.6	8.6	7.9	8.2	9.3	8.5	8.9	
20				8.5	7.4	7.9	8.6	8.0	8.3	9.5	8.4	8.8	
21				8.6	7.9	8.2	8.7	8.0	8.3	9.3	8.2	8.7	
22				8.6	7.7	8.2	9.2	8.1	8.5	9.6	8.3	8.9	
23				8.7	7.7	8.2	9.1	8.2	8.5	9.2	8.5	8.8	
24				8.8 9.1	7.7 7.7	8.3	9.1	8.0 7.7	8.4	9.5	8.3	8.8	
25				9.1	7.7	8.4	9.2	1.1	8.4	9.8	8.5	9.1	
26				8.8	7.9	8.3	9.0	7.9	8.4	10.2	8.8	9.4	
27				8.7	7.7	8.2	9.1	7.8	8.4	10.4	9.3	9.8	
28				8.6	7.9	8.2	8.9	7.6	8.3	10.6	9.4	9.9	
29 30	8.7 8.8	7.9 8.0	8.2				9.4 9.6	7.5 7.7	8.3 8.5	10.7 10.7	9.7 9.8	10.1 10.2	
31	8.8	8.0	8.3	8.5	7.7	8.0	9.6	7.7	8.4	10.7	9.8	10.2	
31				0.5	1.1	0.0	9.5	1.5	0.7				
MONTH	8.8	7.9	8.2	12.4	7.4	8.9	9.6	7.3	8.2	10.7	7.0	8.8	

## CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 $\,$

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SAM- PLING DEPTH (FEET) (00003)
AUG 2000 09	1456 1502 1509 1510 1511 1520 1521 1527 1528 1531 1537 1540 1600 1601 1624 1625 1626 1627 1632 1633 1634 1640 1641 1652 1658 1701 1710 1711 1710	8.2 8.6 8.6 8.6 8.6 8.7 8.7 8.9 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8	8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	194 193 193 192 192 192 191 191 187 186 188 188 187 187 187 185 186 186 185 184 185 185 184 185 184 185 184 185 185	25.7 25.8 25.8 25.8 25.8 25.8 25.8 25.8 25.9 25.9 26.0 26.1 26.1 26.1 26.1 26.1 26.2 26.2 26.2	430 420 400 380 380 360 360 340 340 320 260 240 240 240 220 220 220 200 180 160 136 120 100 80	2 3 8 4 2 8 13 10 3 3 1 1 9 6 15 10 5 15 10 5 15 15 15 15 15 15 15 15 15 15 15 15 1
09 09 09	1719 1720 1725 1729	8.2 8.6 8.5 8.3	8.2 8.2 8.2 8.2	186 185 185 185	26.4 26.4 26.4 26.4	60 60 40 20	10 3 3 2