

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA

LOCATION.--Lat 40°41'12", long 75°12'32", Northampton County, Hydrologic Unit 02040106, on left bank, near bridge on U.S. Highway 611 in Easton.

DRAINAGE AREA.--1,364 mi².

PERIOD OF RECORD.--October 1961 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to current year.

pH: November 1972 to current year.

WATER TEMPERATURE: October 1961 to current year.

DISSOLVED OXYGEN: June 1966 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1961. Probes interfaced with a data collection platform since the 1986 water year.

REMARKS.--Specific conductance record rated good, except for period, Aug. 6 to Aug. 13, which is poor. pH and water temperature records rated good. Dissolved oxygen record rated fair, except for periods, May 28 to June 9, and Sept. 24 to Sept. 30, which are poor. Beginning with the 1978 water year, no data were recorded during the months of October through March. Other interruptions in the record were due to malfunctions of the pump or recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 581 microsiemens, Aug. 19, 1963; minimum, 70 microsiemens, Nov. 14, 1970.

pH: Maximum, 8.7, July 18, 19, 1991; minimum, 6.0, Mar. 16, 1978.

WATER TEMPERATURE: Maximum, 30.5°C, July 29, 1970, July 21, 1980; minimum, 0.0°C, many days during winters.

DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Apr. 14, 1986; minimum, 0.0 mg/L, Aug. 4, 1966.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	178	171	175	151	143	147
2	---	---	---	---	---	---	180	174	176	161	146	153
3	---	---	---	---	---	---	199	180	194	161	148	154
4	---	---	---	---	---	---	209	197	205	163	157	160
5	---	---	---	---	---	---	213	207	211	165	160	162
6	---	---	---	---	---	---	220	210	216	164	160	162
7	---	---	---	---	---	---	210	187	198	182	163	172
8	---	---	---	---	---	---	191	184	188	191	182	188
9	---	---	---	---	---	---	195	184	190	193	187	191
10	---	---	---	---	---	---	212	193	204	193	180	187
11	---	---	---	---	---	---	211	201	207	186	181	183
12	---	---	---	---	---	---	201	196	198	190	184	187
13	---	---	---	---	---	---	214	198	207	190	166	183
14	---	---	---	---	---	---	215	204	209	171	152	162
15	---	---	---	---	---	---	204	158	184	152	135	141
16	---	---	---	---	---	---	158	142	147	149	139	143
17	---	---	---	---	---	---	154	146	150	168	149	159
18	---	---	---	---	---	---	169	152	160	171	161	166
19	---	---	---	---	---	---	175	169	171	161	140	146
20	---	---	---	---	---	---	192	171	176	155	132	143
21	---	---	---	---	---	---	188	178	184	142	133	138
22	---	---	---	---	---	---	189	181	186	163	142	154
23	---	---	---	---	---	---	193	181	188	166	163	164
24	---	---	---	---	---	---	191	181	186	178	166	171
25	---	---	---	---	---	---	196	187	193	192	178	185
26	---	---	---	---	---	---	211	196	207	196	188	192
27	---	---	---	---	---	---	208	191	202	194	188	191
28	---	---	---	180	164	170	191	177	184	195	182	191
29	---	---	---	185	180	183	180	151	163	203	116	172
30	---	---	---	186	179	183	154	138	145	116	110	114
31	---	---	---	185	171	178	---	---	---	148	115	132
MONTH	---	---	---	---	---	---	220	138	187	203	110	164

LEHIGH RIVER BASIN

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SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	173	148	162	240	231	236	328	280	306	376	359	365
2	186	173	183	245	231	237	345	319	333	379	332	360
3	187	179	183	261	242	248	355	309	340	332	284	309
4	191	179	185	283	261	269	---	---	---	306	282	291
5	209	191	201	283	273	279	---	---	---	350	306	325
6	217	189	212	284	276	280	226	161	182	376	350	362
7	202	165	184	294	283	285	199	175	191	382	376	380
8	165	137	147	307	294	302	237	199	217	395	382	389
9	169	152	164	312	304	308	279	237	259	406	395	403
10	172	166	170	323	312	318	307	279	294	403	380	389
11	177	152	165	336	319	328	324	307	315	381	373	376
12	157	150	154	341	328	335	316	276	299	383	379	381
13	191	157	175	351	337	345	279	267	273	382	364	372
14	202	191	198	351	347	350	280	269	276	364	358	362
15	200	189	195	351	324	341	325	280	300	366	343	357
16	205	190	198	332	324	327	326	319	323	350	312	335
17	199	184	191	339	326	333	332	316	322	312	235	268
18	192	184	187	346	332	341	330	313	324	243	229	233
19	199	185	191	352	328	344	314	275	296	290	243	269
20	201	196	199	351	332	344	279	264	272	---	---	---
21	212	200	206	356	315	334	282	268	277	---	---	---
22	225	211	220	315	277	291	313	282	295	---	---	---
23	223	209	218	278	261	270	363	312	336	---	---	---
24	213	208	211	284	271	274	401	363	387	---	---	---
25	224	208	216	309	284	300	408	400	405	334	303	315
26	248	222	235	302	290	295	406	368	378	342	334	337
27	253	210	247	319	302	313	374	355	361	357	328	342
28	246	200	211	330	316	324	366	355	357	328	254	288
29	218	212	215	316	275	290	402	366	385	254	231	237
30	234	217	227	279	262	268	398	362	375	255	234	239
31	---	---	---	280	267	275	362	350	355	---	---	---
MONTH	253	137	195	356	231	303	408	161	311	406	229	331

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	7.6	7.5	7.5	7.3	7.2	7.2
2	---	---	---	---	---	---	7.6	7.5	7.6	7.3	7.2	7.2
3	---	---	---	---	---	---	7.6	7.5	7.6	7.2	7.2	7.2
4	---	---	---	---	---	---	7.6	7.5	7.6	7.3	7.2	7.2
5	---	---	---	---	---	---	7.7	7.6	7.6	7.3	7.2	7.2
6	---	---	---	---	---	---	7.8	7.7	7.7	7.2	7.2	7.2
7	---	---	---	---	---	---	7.8	7.7	7.7	7.4	7.2	7.3
8	---	---	---	---	---	---	7.7	7.6	7.7	7.4	7.3	7.4
9	---	---	---	---	---	---	7.8	7.6	7.7	7.4	7.3	7.3
10	---	---	---	---	---	---	7.8	7.6	7.6	7.3	7.3	7.3
11	---	---	---	---	---	---	7.8	7.6	7.7	7.4	7.3	7.3
12	---	---	---	---	---	---	7.8	7.6	7.7	7.4	7.3	7.3
13	---	---	---	---	---	---	7.6	7.5	7.6	7.3	7.2	7.3
14	---	---	---	---	---	---	7.7	7.6	7.6	7.3	7.2	7.2
15	---	---	---	---	---	---	7.6	7.2	7.4	7.2	7.1	7.2
16	---	---	---	---	---	---	7.2	7.1	7.2	7.2	7.1	7.2
17	---	---	---	---	---	---	7.2	7.2	7.2	7.2	7.1	7.2
18	---	---	---	---	---	---	7.3	7.2	7.2	7.3	7.2	7.2
19	---	---	---	---	---	---	7.3	7.2	7.2	7.2	7.2	7.2
20	---	---	---	---	---	---	7.3	7.2	7.2	7.3	7.2	7.2
21	---	---	---	---	---	---	7.3	7.3	7.3	7.2	7.1	7.2
22	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.2	7.3
23	---	---	---	---	---	---	7.5	7.4	7.4	7.4	7.3	7.3
24	---	---	---	---	---	---	7.6	7.4	7.5	7.4	7.3	7.3
25	---	---	---	---	---	---	7.6	7.4	7.5	7.4	7.3	7.4
26	---	---	---	---	---	---	7.6	7.4	7.5	7.4	7.3	7.3
27	---	---	---	---	---	---	7.7	7.6	7.6	7.3	7.3	7.3
28	---	---	---	7.5	7.4	7.4	7.6	7.4	7.4	7.3	7.2	7.3
29	---	---	---	7.6	7.5	7.5	7.5	7.4	7.4	7.3	6.9	7.2
30	---	---	---	7.6	7.5	7.6	7.4	7.2	7.3	7.0	6.9	6.9
31	---	---	---	7.6	7.5	7.5	---	---	---	7.1	6.9	7.0
MAX	---	---	---	---	---	---	7.8	7.7	7.7	7.4	7.3	7.4
MIN	---	---	---	---	---	---	7.2	7.1	7.2	7.0	6.9	6.9

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	7.1	7.0	7.1	7.4	7.2	7.3	7.5	7.3	7.4	7.7	7.3	7.5
2	7.3	7.1	7.2	7.4	7.3	7.3	7.5	7.3	7.4	7.6	7.4	7.5
3	7.3	7.2	7.3	7.3	7.3	7.3	7.6	7.3	7.4	7.6	7.5	7.5
4	7.3	7.3	7.3	7.3	7.3	7.3	---	---	---	7.6	7.4	7.5
5	7.4	7.3	7.3	7.4	7.3	7.3	---	---	---	7.6	7.4	7.5
6	7.4	7.2	7.3	7.5	7.4	7.4	7.5	7.3	7.4	7.6	7.4	7.5
7	7.3	7.1	7.3	7.5	7.4	7.4	7.5	7.3	7.3	7.7	7.5	7.6
8	7.3	7.2	7.2	7.6	7.4	7.5	7.5	7.3	7.4	7.8	7.5	7.6
9	7.3	7.2	7.2	7.6	7.4	7.6	7.5	7.4	7.4	7.8	7.6	7.6
10	7.2	7.1	7.1	7.6	7.4	7.5	7.5	7.4	7.4	7.9	7.6	7.7
11	7.2	7.0	7.1	7.6	7.4	7.5	7.5	7.4	7.4	7.8	7.6	7.7
12	7.1	7.1	7.1	7.6	7.4	7.5	7.5	7.4	7.4	7.9	7.6	7.7
13	7.2	7.0	7.1	7.6	7.4	7.5	7.6	7.3	7.5	8.0	7.5	7.7
14	7.4	7.2	7.4	7.7	7.5	7.6	7.5	7.3	7.4	8.0	7.6	7.7
15	7.4	7.4	7.4	7.6	7.4	7.6	7.6	7.3	7.4	7.9	7.3	7.5
16	7.5	7.2	7.4	7.8	7.4	7.6	7.6	7.4	7.5	7.4	7.3	7.4
17	7.3	7.2	7.2	7.8	7.5	7.6	7.6	7.4	7.4	7.3	7.3	7.3
18	7.5	7.2	7.3	7.7	7.5	7.6	7.6	7.4	7.4	7.4	7.2	7.2
19	7.4	7.3	7.3	7.7	7.4	7.5	7.6	7.4	7.5	7.5	7.2	7.3
20	7.4	7.3	7.4	7.5	7.3	7.4	7.5	7.3	7.4	---	---	---
21	7.4	7.3	7.4	7.5	7.3	7.4	7.4	7.2	7.3	---	---	---
22	7.4	7.3	7.4	7.5	7.3	7.4	7.5	7.3	7.3	---	---	---
23	7.4	7.3	7.4	7.5	7.3	7.4	7.5	7.3	7.3	---	---	---
24	7.4	7.3	7.3	7.4	7.3	7.3	7.5	7.3	7.4	---	---	---
25	7.3	7.2	7.3	7.5	7.2	7.3	7.5	7.4	7.5	7.7	7.4	7.5
26	7.3	7.2	7.3	7.5	7.3	7.4	7.6	7.4	7.4	7.7	7.4	7.5
27	7.3	7.2	7.3	7.5	7.4	7.4	7.6	7.5	7.5	7.6	7.3	7.4
28	7.3	7.1	7.1	7.5	7.4	7.4	7.7	7.5	7.6	7.4	7.3	7.4
29	7.2	7.1	7.2	7.4	7.3	7.4	7.7	7.3	7.6	7.3	7.3	7.3
30	7.2	7.2	7.2	7.5	7.2	7.4	7.6	7.5	7.6	7.4	7.3	7.3
31	---	---	---	7.5	7.3	7.4	7.7	7.5	7.6	---	---	---
MAX	7.5	7.4	7.4	7.8	7.5	7.6	7.7	7.5	7.6	8.0	7.6	7.7
MIN	7.1	7.0	7.1	7.3	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	12.0	11.0	11.5	12.0	10.5	11.0
2	---	---	---	---	---	---	11.5	10.5	11.0	12.5	11.0	12.5
3	---	---	---	---	---	---	11.5	11.0	11.0	12.5	11.5	12.0
4	---	---	---	---	---	---	11.0	10.0	10.5	13.0	12.0	12.5
5	---	---	---	---	---	---	10.0	9.0	9.5	14.5	12.5	13.5
6	---	---	---	---	---	---	9.0	8.5	9.0	15.5	14.0	14.5
7	---	---	---	---	---	---	8.5	7.5	8.0	16.5	14.5	15.5
8	---	---	---	---	---	---	9.0	8.0	8.5	17.5	16.0	16.5
9	---	---	---	---	---	---	11.0	9.0	10.5	17.5	15.0	16.0
10	---	---	---	---	---	---	13.0	11.0	12.0	15.5	14.0	15.0
11	---	---	---	---	---	---	14.0	13.0	13.5	16.5	14.5	15.5
12	---	---	---	---	---	---	13.5	12.5	13.0	16.5	15.5	16.0
13	---	---	---	---	---	---	13.0	12.5	12.5	15.5	13.5	14.5
14	---	---	---	---	---	---	14.0	12.5	13.5	13.5	13.0	13.5
15	---	---	---	---	---	---	16.0	14.0	15.5	13.5	12.5	13.0
16	---	---	---	---	---	---	16.5	15.5	16.0	15.0	13.5	14.0
17	---	---	---	---	---	---	17.0	15.0	16.0	16.5	15.0	15.5
18	---	---	---	---	---	---	17.5	16.0	17.0	16.0	13.5	15.0
19	---	---	---	---	---	---	18.5	17.0	18.0	13.5	12.5	13.0
20	---	---	---	---	---	---	18.0	16.5	17.5	13.0	12.5	12.5
21	---	---	---	---	---	---	16.5	13.5	15.0	12.5	12.0	12.5
22	---	---	---	---	---	---	13.5	11.5	12.5	13.5	12.0	12.5
23	---	---	---	---	---	---	12.0	11.0	11.5	15.0	13.0	14.0
24	---	---	---	---	---	---	12.5	11.0	11.5	16.5	14.5	15.5
25	---	---	---	---	---	---	12.5	11.5	12.0	17.5	16.0	17.0
26	---	---	---	---	---	---	12.0	11.0	11.5	17.5	16.5	17.0
27	---	---	---	---	---	---	13.0	11.5	12.0	18.0	17.0	17.5
28	---	---	---	8.0	6.5	7.0	13.0	12.5	12.5	19.0	18.0	18.5
29	---	---	---	9.5	7.5	8.5	12.5	11.5	12.0	19.0	17.0	18.5
30	---	---	---	11.5	9.5	10.5	11.5	10.5	11.0	17.0	16.0	16.5
31	---	---	---	11.5	11.0	11.5	---	---	---	19.0	17.0	18.0
MONTH	---	---	---	---	---	---	18.5	7.5	12.5	19.0	10.5	14.8

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01454720 LEHIGH RIVER AT EASTON, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	18.5	19.5	24.0	23.5	23.5	28.0	26.0	27.0	21.0	20.0	20.0
2	20.5	19.5	20.0	25.0	24.0	24.5	28.0	26.5	27.0	20.0	19.0	19.5
3	20.5	19.5	20.0	26.5	24.5	25.5	28.5	26.5	27.5	21.5	19.0	20.0
4	20.0	19.0	19.0	27.5	26.0	26.5	---	---	---	22.5	20.5	21.5
5	19.5	18.5	19.0	27.5	26.5	27.0	---	---	---	23.0	22.0	22.5
6	20.0	19.0	19.5	26.5	25.0	26.0	27.5	26.0	26.5	23.0	22.0	22.5
7	19.0	18.0	18.5	25.0	24.0	24.5	26.0	24.5	25.0	23.5	22.0	22.5
8	18.5	17.5	18.0	25.0	23.0	24.0	25.0	23.5	24.0	23.5	22.0	22.5
9	19.0	17.5	18.5	25.5	23.5	24.5	24.5	23.0	23.5	23.5	22.0	22.5
10	20.5	19.0	19.5	26.0	24.0	25.0	25.0	23.0	24.0	24.5	22.5	23.0
11	21.5	19.5	20.5	25.5	23.5	24.5	25.5	23.5	24.5	24.0	23.0	23.5
12	21.0	20.5	21.0	25.0	23.0	24.0	26.5	24.0	25.5	23.0	22.0	22.5
13	21.0	20.0	20.5	24.5	23.0	23.5	27.5	25.0	26.0	22.5	21.0	21.5
14	20.0	18.0	19.0	24.0	23.0	23.5	27.5	25.5	26.5	22.0	21.0	21.5
15	18.0	17.0	17.0	24.5	22.5	23.5	27.5	26.5	27.0	22.0	21.5	22.0
16	18.0	16.5	17.5	25.0	23.5	24.0	28.0	26.5	27.5	23.0	22.0	22.5
17	19.5	17.5	18.5	26.0	23.5	24.5	28.0	27.0	27.5	23.0	22.0	22.5
18	20.0	18.5	19.0	26.0	24.5	25.5	28.0	26.5	27.5	22.5	21.5	22.0
19	20.0	18.5	19.5	26.0	25.0	25.5	28.0	27.0	27.5	24.0	21.0	22.0
20	20.5	19.0	20.0	26.5	25.0	26.0	27.5	26.5	27.0	---	---	---
21	21.5	20.0	21.0	26.5	25.5	26.0	27.0	25.5	26.0	---	---	---
22	22.5	21.5	22.0	27.0	25.0	26.0	27.0	25.5	26.0	---	---	---
23	23.5	22.5	23.0	27.5	25.5	26.5	26.0	25.5	25.5	---	---	---
24	24.0	23.0	23.5	27.0	26.0	26.0	26.0	24.5	25.0	---	---	---
25	24.5	23.5	24.0	26.5	25.0	25.5	24.5	24.0	24.0	21.5	20.0	20.5
26	25.0	24.0	24.5	26.0	24.0	24.5	24.5	23.5	24.0	20.5	19.0	19.5
27	25.5	24.5	25.0	24.5	23.0	23.5	24.5	23.5	24.0	19.0	17.5	18.0
28	24.5	23.5	23.5	24.0	22.5	23.0	24.5	23.0	23.5	18.0	17.0	17.5
29	23.5	23.0	23.5	25.5	23.0	24.5	23.0	21.0	22.0	18.0	17.5	17.5
30	24.0	23.0	23.5	27.0	25.0	26.0	21.0	20.5	20.5	18.5	17.5	18.0
31	---	---	---	27.5	25.5	26.5	21.0	20.0	20.5	---	---	---
MONTH	25.5	16.5	20.6	27.5	22.5	25.0	28.5	20.0	25.2	24.5	17.0	21.1

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	10.5	10.1	10.4	11.2	10.8	11.1
2	---	---	---	---	---	---	10.7	10.4	10.6	10.8	10.1	10.5
3	---	---	---	---	---	---	10.6	10.4	10.5	10.7	10.4	10.6
4	---	---	---	---	---	---	11.1	10.4	10.8	10.9	10.6	10.8
5	---	---	---	---	---	---	11.4	10.8	11.2	10.8	10.2	10.5
6	---	---	---	---	---	---	11.9	11.2	11.6	10.4	10.1	10.3
7	---	---	---	---	---	---	12.4	11.7	12.0	10.3	9.7	10
8	---	---	---	---	---	---	12.0	11.5	11.8	9.8	9.4	9.7
9	---	---	---	---	---	---	11.5	10.6	11.2	9.8	9.2	9.5
10	---	---	---	---	---	---	10.9	10.3	10.6	10.5	9.8	10.2
11	---	---	---	---	---	---	10.8	10.1	10.4	10.3	9.9	10.2
12	---	---	---	---	---	---	10.8	9.9	10.3	9.9	9.6	9.7
13	---	---	---	---	---	---	10.9	10.1	10.4	10.2	9.5	9.8
14	---	---	---	---	---	---	10.8	10.0	10.4	10.3	9.7	10.0
15	---	---	---	---	---	---	10.0	8.7	9.2	10.4	10.0	10.2
16	---	---	---	---	---	---	9.2	8.7	8.9	10.1	9.3	9.8
17	---	---	---	---	---	---	9.3	8.6	9.1	9.3	8.0	8.8
18	---	---	---	---	---	---	9.0	8.3	8.7	10.1	8.5	9.3
19	---	---	---	---	---	---	8.7	8.2	8.5	11.1	9.9	10.7
20	---	---	---	---	---	---	8.6	8.0	8.3	11.4	10.8	11.2
21	---	---	---	---	---	---	9.5	8.6	9.0	11.0	10.6	10.9
22	---	---	---	---	---	---	10.6	9.5	10.0	11.1	10.5	10.9
23	---	---	---	---	---	---	11.2	10.0	10.7	10.7	10.3	10.5
24	---	---	---	---	---	---	11.0	10.4	10.8	10.3	9.7	10.0
25	---	---	---	---	---	---	10.4	10.0	10.2	9.7	8.9	9.5
26	---	---	---	---	---	---	11.1	10.2	10.7	9.6	8.8	9.2
27	---	---	---	---	---	---	11.3	10.7	11.0	9.4	8.7	9.0
28	---	---	---	11.9	11.6	11.8	10.7	10.0	10.2	9.5	8.4	8.8
29	---	---	---	11.7	11.0	11.4	10.8	10.2	10.5	9.5	7.1	8.3
30	---	---	---	11.1	10.6	10.9	11.2	10.8	11.0	9.8	6.9	8.7
31	---	---	---	10.6	10.3	10.4	---	---	---	8.4	7.4	7.8
MONTH	---	---	---	---	---	---	12.4	8.0	10.3	11.4	6.9	9.9

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.5	6.9	7.9	8.5	8.1	8.3	8.3	6.7	7.4	9.4	7.6	8.4
2	8.5	7.8	8.2	8.2	7.5	7.9	8.2	6.6	7.2	9.3	8.2	8.7
3	9.0	8.1	8.7	8.2	7.2	7.7	8.6	6.2	7.1	9.2	8.2	8.6
4	9.4	8.6	9.1	7.9	6.9	7.4	---	---	---	8.9	7.5	8.2
5	9.5	8.8	9.3	8.1	6.7	7.4	---	---	---	8.8	7.2	7.9
6	9.2	8.0	8.8	8.8	7.0	8.0	8.7	6.7	7.6	8.9	7.2	7.8
7	8.9	7.2	8.5	9.7	7.6	8.6	8.8	7.3	7.9	9.1	7.3	8.0
8	8.9	8.0	8.5	10.0	8.3	9.1	9.0	7.4	8.1	9.1	7.6	8.2
9	9.0	7.8	8.5	9.7	8.2	8.9	9.1	7.6	8.3	9.4	7.6	8.3
10	---	---	---	9.3	7.8	8.5	9.0	7.2	8.2	9.1	7.6	8.3
11	---	---	---	9.7	7.2	8.5	8.9	6.4	8.1	9.0	7.2	8.1
12	---	---	---	9.9	7.6	8.7	9.1	7.5	8.2	9.5	7.3	8.1
13	---	---	---	10.1	7.9	8.9	9.3	7.7	8.4	9.7	7.7	8.6
14	---	---	---	9.9	8.2	8.9	8.8	7.3	7.9	9.7	7.9	8.7
15	---	---	---	9.9	8.2	9.0	8.8	6.8	7.8	9.6	7.2	8.2
16	---	---	---	9.5	7.9	8.7	8.8	6.9	7.8	8.6	7.6	8.1
17	---	---	---	9.4	7.7	8.4	8.4	6.8	7.5	8.8	7.7	8.2
18	---	---	---	9.4	7.1	8.2	8.4	6.7	7.5	9.2	7.7	8.3
19	9.4	9.0	9.2	9.2	7.2	7.9	8.5	6.7	7.5	9.0	7.7	8.3
20	9.7	9.1	9.3	8.4	6.7	7.4	8.0	6.7	7.4	---	---	---
21	9.5	8.9	9.2	8.0	6.7	7.3	8.0	6.4	7.0	---	---	---
22	9.1	8.7	8.9	8.5	6.7	7.7	8.5	6.6	7.3	---	---	---
23	9.0	8.4	8.7	8.3	6.9	7.4	8.2	6.4	7.2	---	---	---
24	8.8	8.2	8.4	7.9	6.5	7.0	8.3	6.2	7.1	---	---	---
25	8.6	7.8	8.2	8.9	5.8	7.4	8.7	6.9	7.6	10.4	8.8	9.5
26	8.3	7.3	7.7	8.8	6.9	7.8	9.0	7.1	7.8	10.4	8.6	9.2
27	8.6	7.6	8.0	9.0	7.5	8.2	9.3	7.9	8.3	9.9	9.0	9.4
28	8.6	7.6	7.8	8.8	7.9	8.3	9.5	7.8	8.6	10.0	9.1	9.4
29	8.4	7.9	8.1	8.9	7.5	8.2	9.5	7.7	8.5	10.0	8.9	9.6
30	8.8	7.9	8.3	8.3	7.4	7.8	9.3	8.1	8.5	10.2	8.8	9.4
31	---	---	---	8.3	6.8	7.5	9.5	8.2	8.8	---	---	---
MONTH	11.3	5.4	8.6	10.1	5.8	8.1	9.5	6.2	7.8	10.4	7.2	8.5

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SAM- PLING DEPTH (FEET) (00003)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)
SEP							
04...	1243	0	--	--	--	--	0
04...	1244	6	8.7	7.8	278	20.1	20
04...	1245	1	8.6	7.8	278	20.7	20
04...	1252	6	8.6	7.8	278	20.1	45
04...	1253	1	8.7	7.7	279	20.3	45
04...	1257	6	8.6	7.7	281	20.2	70
04...	1258	1	8.6	7.7	282	20.6	70
04...	1301	6	8.6	7.7	281	20.2	90
04...	1302	1	8.6	7.7	282	20.4	90
04...	1306	15	8.6	7.7	282	20.2	115
04...	1307	11	8.7	7.7	284	20.5	115
04...	1308	6	8.7	7.7	285	20.6	115
04...	1309	1	8.7	7.7	286	21.1	115
04...	1310	15	8.6	7.7	282	20.1	140
04...	1311	11	8.6	7.7	282	20.1	140
04...	1312	6	8.6	7.7	284	20.4	140
04...	1313	1	8.7	7.7	287	21.4	140
04...	1316	6	8.6	7.7	284	20.4	165
04...	1317	1	8.7	7.7	288	21.2	165
04...	1324	6	8.7	7.8	285	20.6	190
04...	1325	1	8.8	7.7	288	21.2	190
04...	1334	11	8.6	7.7	283	20.2	220
04...	1335	6	8.8	7.7	288	21.1	220
04...	1336	1	8.8	7.7	288	21.1	220
04...	1342	6	8.8	7.8	286	20.7	245
04...	1343	1	8.9	7.7	289	21.3	245
04...	1347	6	8.9	7.8	289	21.2	270
04...	1348	1	8.9	7.8	290	21.5	270