



Water-Data Report 2010

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA

Lower Susquehanna Basin
Lower Susquehanna-Penns Subbasin

LOCATION.--Lat 40°39'08.3", long 76°55'20.9" referenced to North American Datum of 1983, Snyder County, PA, Hydrologic Unit 02050301.

DRAINAGE AREA.--19,202 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2010 to September 2010.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 2010 to September 2010.

pH: May 2010 to September 2010.

WATER TEMPERATURE: May 2010 to September 2010.

DISSOLVED OXYGEN: May 2010 to September 2010.

REMARKS.--Water Temperature, Specific Conductance, and Dissolved Oxygen records are rated good. pH records good, except for those for period May 18 to Jun 2, which are fair. Missing record is due to malfunctions of equipment.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Pennsylvania Fish and Boat Commission and PPL Corporation, LLC.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum, 369 microsiemens, Sep 27, 2010; minimum, 152 microsiemens, May 15, 2010.

pH: Maximum, 9.2, several days; minimum, 7.0, Jul 15, 2010.

WATER TEMPERATURE: Maximum, 34.2°C, Jul 5, 2010; minimum, 12.2°C, May 13, 2010.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L, Sep 19, 2010; minimum, 2.2 mg/L, Jul 13, 2010.

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
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Month	---	---	---	---	---	---	---	---	---	---	---	---

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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6	---	---	---	---	---	---	---	---	---	196	191	193
7	---	---	---	---	---	---	---	---	---	201	195	198
8	---	---	---	---	---	---	---	---	---	201	195	198
9	---	---	---	---	---	---	---	---	---	215	201	207
10	---	---	---	---	---	---	---	---	---	220	203	213
11	---	---	---	---	---	---	---	---	---	210	203	205
12	---	---	---	---	---	---	---	---	---	214	202	206
13	---	---	---	---	---	---	---	---	---	209	185	197
14	---	---	---	---	---	---	---	---	---	200	167	190
15	---	---	---	---	---	---	---	---	---	170	152	160
16	---	---	---	---	---	---	---	---	---	170	163	167
17	---	---	---	---	---	---	---	---	---	170	158	163
18	---	---	---	---	---	---	---	---	---	166	157	161
19	---	---	---	---	---	---	---	---	---	176	162	168
20	---	---	---	---	---	---	---	---	---	186	168	174
21	---	---	---	---	---	---	---	---	---	186	168	170
22	---	---	---	---	---	---	---	---	---	181	168	174
23	---	---	---	---	---	---	---	---	---	194	177	183
24	---	---	---	---	---	---	---	---	---	197	191	194
25	---	---	---	---	---	---	---	---	---	193	183	188
26	---	---	---	---	---	---	---	---	---	202	185	193
27	---	---	---	---	---	---	---	---	---	198	188	193
28	---	---	---	---	---	---	---	---	---	212	196	203
29	---	---	---	---	---	---	---	---	---	215	201	206
30	---	---	---	---	---	---	---	---	---	212	206	208
31	---	---	---	---	---	---	---	---	---	217	206	210
Month	---	---	---	---	---	---	---	---	---	217	152	189

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	213	208	210	287	256	269	327	312	317	278	266	271
2	216	211	213	299	260	274	312	302	307	274	266	270
3	233	214	220	301	264	275	305	288	294	271	265	268
4	222	217	220	300	268	276	296	282	286	276	270	274
5	242	219	233	284	271	278	288	277	283	284	273	277
6	247	226	236	---	---	---	299	279	285	286	282	284
7	237	223	227	---	---	---	298	277	285	287	277	282
8	238	223	231	---	---	---	293	277	285	287	281	284
9	231	217	225	---	---	---	295	281	287	298	287	292
10	225	222	224	---	---	---	296	274	287	306	294	299
11	230	220	222	---	---	---	293	262	284	308	300	304
12	236	215	224	---	---	---	306	275	291	309	296	302
13	235	222	229	281	260	273	303	295	298	314	304	308
14	232	222	225	271	240	260	300	248	264	318	290	309
15	254	228	245	290	268	280	264	240	251	325	301	314
16	256	246	249	---	---	---	267	260	262	330	311	322
17	247	240	244	---	---	---	285	264	273	331	309	324
18	240	230	234	---	---	---	291	285	287	333	325	329
19	233	226	228	---	---	---	298	291	295	336	322	329
20	236	228	231	---	---	---	306	294	299	338	328	333
21	234	226	230	---	---	---	326	305	313	340	315	332
22	238	228	234	---	---	---	326	290	309	337	316	329
23	241	234	237	---	---	---	290	244	263	330	315	325
24	245	240	243	316	282	311	280	265	273	355	287	333
25	250	241	246	309	259	297	279	270	275	359	347	355
26	252	249	250	297	277	285	288	279	283	366	351	359
27	262	248	253	299	289	294	314	287	307	369	342	358
28	273	256	259	314	299	309	310	299	305	366	324	342
29	258	245	252	321	309	314	308	294	302	339	298	318
30	285	254	262	332	321	329	296	281	289	299	186	264
31	---	---	---	333	318	325	282	267	274	---	---	---
Month	285	208	235	333	240	291	327	240	288	369	186	310

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

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PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	8.3	7.7	7.9
7	---	---	---	---	---	---	---	---	---	8.5	7.7	8.0
8	---	---	---	---	---	---	---	---	---	8.2	7.7	7.9
9	---	---	---	---	---	---	---	---	---	8.4	7.7	8.0
10	---	---	---	---	---	---	---	---	---	8.5	7.8	8.1
11	---	---	---	---	---	---	---	---	---	8.2	7.8	8.0
12	---	---	---	---	---	---	---	---	---	8.2	7.7	7.8
13	---	---	---	---	---	---	---	---	---	8.2	7.8	7.9
14	---	---	---	---	---	---	---	---	---	7.9	7.6	7.7
15	---	---	---	---	---	---	---	---	---	7.8	7.6	7.6
16	---	---	---	---	---	---	---	---	---	7.9	7.6	7.7
17	---	---	---	---	---	---	---	---	---	7.8	7.6	7.6
18	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6
19	---	---	---	---	---	---	---	---	---	7.9	7.6	7.8
20	---	---	---	---	---	---	---	---	---	8.2	7.7	7.8
21	---	---	---	---	---	---	---	---	---	8.2	7.7	7.8
22	---	---	---	---	---	---	---	---	---	8.0	7.7	7.8
23	---	---	---	---	---	---	---	---	---	8.0	7.6	7.7
24	---	---	---	---	---	---	---	---	---	8.0	7.8	7.8
25	---	---	---	---	---	---	---	---	---	8.2	7.7	7.8
26	---	---	---	---	---	---	---	---	---	8.3	7.6	7.8
27	---	---	---	---	---	---	---	---	---	8.3	7.7	7.8
28	---	---	---	---	---	---	---	---	---	8.0	7.6	7.7
29	---	---	---	---	---	---	---	---	---	8.2	7.6	7.8
30	---	---	---	---	---	---	---	---	---	8.3	7.8	7.9
31	---	---	---	---	---	---	---	---	---	8.3	7.7	8.0
Max	---	---	---	---	---	---	---	---	---	8.5	7.8	8.1
Min	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6

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PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.3	7.7	7.9	9.2	7.7	8.6	8.8	7.8	8.3	8.9	7.8	8.5
2	---	---	---	9.2	7.8	8.7	9.0	7.7	8.4	8.9	7.8	8.4
3	---	---	---	9.1	7.7	8.6	9.2	7.8	8.4	9.0	7.8	8.4
4	---	---	---	9.0	7.7	8.4	9.2	7.7	8.4	8.9	7.8	8.4
5	---	---	---	9.1	7.6	8.2	9.1	7.6	8.3	9.0	7.9	8.5
6	---	---	---	---	---	---	9.1	7.6	8.3	9.2	7.9	8.7
7	---	---	---	---	---	---	9.2	7.6	8.5	9.2	7.9	8.7
8	---	---	---	---	---	---	9.2	7.6	8.4	9.0	7.8	8.4
9	---	---	---	---	---	---	9.2	7.6	8.4	9.0	7.8	8.2
10	8.0	7.5	7.8	---	---	---	9.2	7.5	8.2	9.0	7.8	8.2
11	8.3	7.7	8.0	---	---	---	9.2	7.6	8.3	9.2	7.8	8.5
12	8.4	7.7	7.9	---	---	---	8.7	7.6	8.0	8.8	7.7	8.1
13	8.2	7.6	7.8	8.8	7.2	7.6	8.8	7.7	8.0	9.1	7.7	8.3
14	8.1	7.6	7.7	8.0	7.1	7.3	8.9	7.8	8.3	9.1	7.8	8.3
15	8.3	7.5	7.8	7.6	7.0	7.3	8.2	7.8	8.0	9.0	7.8	8.4
16	7.8	7.6	7.7	---	---	---	8.8	7.7	8.2	8.9	7.8	8.2
17	8.4	7.5	7.7	---	---	---	9.0	7.8	8.5	9.1	7.8	8.4
18	8.6	7.7	8.1	---	---	---	8.9	7.9	8.5	9.0	7.8	8.3
19	8.6	7.7	8.2	---	---	---	9.1	7.9	8.4	9.0	7.7	8.2
20	8.5	7.7	8.1	---	---	---	9.1	7.9	8.7	8.9	7.7	8.3
21	8.6	7.6	8.1	---	---	---	9.2	7.9	8.7	8.9	7.8	8.2
22	8.5	7.6	8.0	---	---	---	8.9	8.0	8.4	9.0	7.8	8.2
23	8.7	7.6	8.1	---	---	---	8.8	7.9	8.3	8.9	7.7	8.2
24	8.7	7.7	8.2	8.9	7.7	8.2	8.7	7.9	8.2	9.0	7.7	8.2
25	8.9	7.7	8.4	8.4	7.7	8.1	8.7	7.8	8.2	8.9	7.7	8.2
26	8.8	7.7	8.3	8.7	7.8	8.3	9.0	7.9	8.4	9.0	7.8	8.3
27	8.7	7.6	8.2	8.8	7.8	8.3	8.8	7.8	8.4	8.7	7.8	8.1
28	8.9	7.6	8.2	8.8	7.8	8.4	8.9	7.8	8.3	8.7	7.7	8.0
29	9.0	7.5	8.3	8.7	7.8	8.4	8.9	7.9	8.4	8.8	7.8	8.1
30	9.1	7.7	8.6	8.8	7.8	8.4	9.0	8.1	8.6	8.2	7.8	7.9
31	---	---	---	9.0	7.8	8.6	8.9	7.9	8.6	---	---	---
Max	8.9	7.5	7.7	9.2	7.8	8.7	9.2	8.1	8.7	9.2	7.9	8.7
Min	7.8	7.7	8.6	7.6	7.0	7.3	8.2	7.5	8.0	8.2	7.7	7.9

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
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26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	21.8	19.2	20.4
7	---	---	---	---	---	---	---	---	---	21.2	18.8	20.0
8	---	---	---	---	---	---	---	---	---	20.3	17.7	19.2
9	---	---	---	---	---	---	---	---	---	17.7	14.5	16.3
10	---	---	---	---	---	---	---	---	---	16.8	13.3	15.0
11	---	---	---	---	---	---	---	---	---	15.0	12.9	14.0
12	---	---	---	---	---	---	---	---	---	13.8	12.4	13.0
13	---	---	---	---	---	---	---	---	---	14.6	12.2	13.6
14	---	---	---	---	---	---	---	---	---	16.2	14.0	14.9
15	---	---	---	---	---	---	---	---	---	17.5	14.8	16.1
16	---	---	---	---	---	---	---	---	---	18.1	16.2	17.1
17	---	---	---	---	---	---	---	---	---	17.2	16.6	17.0
18	---	---	---	---	---	---	---	---	---	16.6	15.4	15.9
19	---	---	---	---	---	---	---	---	---	16.2	14.9	15.5
20	---	---	---	---	---	---	---	---	---	19.8	15.7	17.6
21	---	---	---	---	---	---	---	---	---	21.2	17.7	19.4
22	---	---	---	---	---	---	---	---	---	20.5	19.3	19.8
23	---	---	---	---	---	---	---	---	---	21.1	19.4	20.2
24	---	---	---	---	---	---	---	---	---	21.2	19.7	20.4
25	---	---	---	---	---	---	---	---	---	24.1	20.1	22.1
26	---	---	---	---	---	---	---	---	---	26.2	22.0	24.2
27	---	---	---	---	---	---	---	---	---	27.7	23.9	25.9
28	---	---	---	---	---	---	---	---	---	26.1	23.8	24.5
29	---	---	---	---	---	---	---	---	---	25.1	22.8	23.9
30	---	---	---	---	---	---	---	---	---	27.1	22.9	25.3
31	---	---	---	---	---	---	---	---	---	28.3	24.0	26.2
Month	---	---	---	---	---	---	---	---	---	28.3	12.2	19.1

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	26.6	25.3	26.0	28.1	20.9	24.1	28.5	26.2	27.1	29.9	25.5	27.8
2	27.7	23.9	26.1	28.2	19.7	23.7	27.3	24.8	26.0	30.7	26.1	28.4
3	27.8	25.0	26.5	29.8	21.4	25.2	28.4	24.9	26.4	29.8	26.8	28.4
4	28.6	25.1	26.9	31.6	22.4	26.6	32.0	26.1	28.7	28.0	22.5	25.4
5	27.6	25.2	26.5	34.2	23.7	28.3	31.7	27.1	28.9	25.2	20.4	22.7
6	26.3	24.6	25.6	---	---	---	30.9	25.2	28.1	26.1	19.8	22.7
7	26.0	22.2	24.1	---	---	---	31.5	23.3	26.8	28.4	21.4	24.2
8	25.1	20.9	23.4	---	---	---	32.4	23.8	27.5	27.7	22.8	24.7
9	23.3	21.0	21.7	---	---	---	33.1	24.6	28.4	23.7	20.5	21.8
10	24.3	21.1	22.7	---	---	---	32.7	26.9	29.7	22.6	19.6	21.0
11	25.1	21.5	23.4	---	---	---	34.1	27.4	30.4	25.3	18.0	21.4
12	27.0	23.1	24.9	---	---	---	29.6	25.2	27.8	21.5	19.5	20.4
13	27.5	25.0	26.2	27.7	23.5	25.7	25.2	24.4	24.8	25.7	18.9	21.5
14	27.1	25.2	26.3	26.9	23.0	24.9	26.5	22.5	24.1	25.6	19.3	21.9
15	26.9	25.2	26.1	29.6	24.6	26.9	24.0	22.8	23.2	25.6	18.8	21.7
16	26.2	24.3	24.7	---	---	---	28.1	23.4	25.5	20.6	18.5	19.7
17	26.7	23.8	25.2	---	---	---	29.6	24.4	26.9	22.8	18.9	20.3
18	27.5	23.0	25.4	---	---	---	28.0	25.3	26.5	24.9	18.0	20.8
19	28.5	24.4	26.7	---	---	---	30.3	24.5	26.9	24.9	19.4	21.9
20	29.4	26.5	28.2	---	---	---	30.8	25.2	27.7	25.0	19.3	21.5
21	30.1	26.2	28.5	---	---	---	28.9	24.8	26.9	24.1	16.7	19.9
22	28.5	26.6	27.7	---	---	---	27.8	24.5	25.8	25.6	18.5	21.8
23	30.0	26.0	28.4	---	---	---	25.7	23.6	24.6	26.5	22.0	23.7
24	30.8	26.9	28.5	34.1	28.1	30.6	24.1	22.7	23.4	28.5	22.5	24.9
25	29.9	25.5	27.9	30.9	27.5	28.9	24.5	22.8	23.6	28.4	23.2	25.3
26	31.2	25.1	27.8	31.0	25.8	28.5	26.5	22.7	24.6	23.2	20.4	21.5
27	30.7	25.5	28.0	31.0	26.5	28.8	26.5	23.4	25.0	21.2	19.6	20.4
28	30.5	27.0	28.3	31.0	27.3	29.1	27.0	23.3	25.2	24.3	20.5	22.0
29	30.9	25.6	27.7	31.5	28.0	29.8	27.0	23.1	25.1	22.1	19.3	20.6
30	29.9	22.3	25.6	30.2	26.0	28.2	27.5	23.4	25.7	20.4	16.9	18.8
31	---	---	---	30.6	25.4	28.1	28.7	24.6	26.8	---	---	---
Month	31.2	20.9	26.2	34.2	19.7	27.3	34.1	22.5	26.4	30.7	16.7	22.6

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	9.8	7.7	8.7
7	---	---	---	---	---	---	---	---	---	10.3	7.8	9.1
8	---	---	---	---	---	---	---	---	---	9.5	7.8	8.7
9	---	---	---	---	---	---	---	---	---	10.3	8.2	9.3
10	---	---	---	---	---	---	---	---	---	11.0	9.3	10.2
11	---	---	---	---	---	---	---	---	---	10.5	9.3	10
12	---	---	---	---	---	---	---	---	---	11.1	9.4	10.1
13	---	---	---	---	---	---	---	---	---	11.0	9.6	10.3
14	---	---	---	---	---	---	---	---	---	10.4	9.4	9.8
15	---	---	---	---	---	---	---	---	---	10.0	9.2	9.5
16	---	---	---	---	---	---	---	---	---	9.9	8.8	9.3
17	---	---	---	---	---	---	---	---	---	9.6	8.6	9.1
18	---	---	---	---	---	---	---	---	---	9.4	8.6	9.0
19	---	---	---	---	---	---	---	---	---	10.1	8.9	9.5
20	---	---	---	---	---	---	---	---	---	10.3	9.0	9.6
21	---	---	---	---	---	---	---	---	---	10.1	8.5	9.2
22	---	---	---	---	---	---	---	---	---	9.6	8.1	8.8
23	---	---	---	---	---	---	---	---	---	9.3	7.8	8.5
24	---	---	---	---	---	---	---	---	---	9.3	7.5	8.4
25	---	---	---	---	---	---	---	---	---	9.7	7.4	8.5
26	---	---	---	---	---	---	---	---	---	9.3	6.9	8.0
27	---	---	---	---	---	---	---	---	---	9.0	6.4	7.6
28	---	---	---	---	---	---	---	---	---	8.0	5.8	6.9
29	---	---	---	---	---	---	---	---	---	9.0	6.2	7.4
30	---	---	---	---	---	---	---	---	---	8.8	6.7	7.7
31	---	---	---	---	---	---	---	---	---	8.7	6.3	7.4
Month	---	---	---	---	---	---	---	---	---	11.1	5.8	8.7

01555275 SUSQUEHANNA RIVER NEAR BROWNS ISLAND AT DALMATIA, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.1	5.9	7.0	11.7	5.9	8.7	10.1	6.0	7.6	10.7	6.4	8.3
2	8.9	6.1	7.5	13.1	6.2	8.8	11.3	6.3	8.4	10.8	6.2	8.1
3	8.5	6.2	7.4	12.3	5.9	8.3	12.4	6.2	8.7	10.7	6.0	8.1
4	8.7	6.1	7.4	11.7	5.3	7.7	11.8	5.7	8.4	10.6	6.1	8.2
5	8.6	6.0	7.2	12.6	4.2	7.7	11.7	5.1	7.8	11.4	6.9	8.8
6	8.1	5.9	7.0	---	---	---	11.6	4.8	7.9	12.2	7.1	9.2
7	9.1	6.4	7.9	---	---	---	12.9	4.7	8.2	12.5	6.6	9.0
8	9.4	7.1	8.4	---	---	---	12.4	4.6	8.1	11.6	5.7	8.3
9	7.7	7.0	7.3	---	---	---	12.9	4.5	8.2	11.4	6.2	8.5
10	9.0	7.1	8.0	---	---	---	12.1	3.9	7.6	11.8	6.6	9.0
11	9.6	7.4	8.5	---	---	---	12.1	4.6	7.8	13.3	7.0	9.6
12	9.2	7.3	8.2	---	---	---	9.9	4.3	6.7	11.1	6.3	8.2
13	8.6	6.9	7.6	10.5	2.2	6.2	11.1	5.6	7.8	12.9	6.7	9.2
14	8.5	6.4	7.4	9.9	3.1	5.3	12.9	6.4	8.8	12.5	6.6	9.0
15	9.2	6.5	7.8	9.7	2.4	5.9	8.6	6.2	7.3	12.9	6.7	9.2
16	7.8	6.5	7.1	---	---	---	11.1	6.1	8.1	11.8	6.8	9.0
17	9.2	6.7	7.9	---	---	---	11.8	6.5	8.7	12.4	6.6	9.1
18	9.4	7.1	8.2	---	---	---	11.0	6.2	8.5	13.5	7.0	9.6
19	9.4	6.8	8.1	---	---	---	11.9	6.3	8.6	13.6	6.6	9.4
20	8.7	6.3	7.6	---	---	---	12.3	6.0	8.6	12.7	6.5	9.0
21	9.0	6.1	7.7	---	---	---	12.7	6.0	8.8	12.2	7.3	9.3
22	8.9	6.0	7.4	---	---	---	10.7	6.0	7.9	13.1	6.8	9.2
23	9.4	6.0	7.7	---	---	---	11.0	6.5	8.5	12.5	6.1	8.5
24	9.6	5.8	7.5	11.2	4.6	7.5	10.3	7.0	8.5	12.4	6.1	8.5
25	10.5	5.9	8.1	8.8	4.9	6.8	10.2	7.1	8.5	11.9	5.7	8.1
26	10.4	6.0	7.9	10.5	5.8	7.9	10.8	7.2	9.0	13.3	6.1	9.0
27	10.5	5.6	7.5	10.5	6.0	8.1	10.4	7.1	8.6	11.1	6.5	8.3
28	10.0	5.2	7.6	10.2	6.1	8.0	10.6	7.1	8.7	10.6	6.5	8.2
29	10.7	5.2	7.8	9.8	5.8	7.6	11.0	7.1	8.9	12.4	6.7	8.9
30	11.7	5.7	8.4	10.3	6.1	8.1	10.9	7.1	8.8	9.0	7.4	8.1
31	---	---	---	10.9	6.2	8.3	10.8	6.7	8.5	---	---	---
Month	11.7	5.2	7.7	13.1	2.2	7.6	12.9	3.9	8.3	13.6	5.7	8.8