



Water-Data Report 2010

01567150 JUNIATA RIVER AT TRIMMERS ROCK, PA

Lower Susquehanna Basin
Lower Juniata Subbasin

LOCATION.--Lat 40°29'29.2", long 77°05'52.5" referenced to North American Datum of 1983, Perry County, PA, Hydrologic Unit 02050304, 3.0 mi downstream of Newport, at Howe Township Park, 3.0 mi downstream of Little Buffalo Creek.

DRAINAGE AREA.--3,379 mi².

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 2008 to September 2008, May 2010 to September 2010. SPECIFIC CONDUCTANCE: May 2008 to September 2008, May 2010 to September 2010. pH: May 2008 to September 2008, May 2010 to September 2010. DISSOLVED OXYGEN: May 2008 to September 2008, May 2010 to September 2010.

REMARKS.--Water Temperature, Specific Conductance, pH, and Dissolved Oxygen records are rated good.

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.--

WATER TEMPERATURE: maximum, 33.2°C, July 8, 2010; minimum, 12.0°C, May 13, 2010.
SPECIFIC CONDUCTANCE: maximum, 379 µS/cm, Sept 20, 2008; minimum, 112 µS/cm, Sept 28, 2008.
pH: maximum, 9.6 standard units, Aug 17, 2008; minimum, 6.9 standard units, July 14, 2010.
DISSOLVED OXYGEN: maximum, 19.0 mg/L, Aug 17, 2008; minimum, 3.5 mg/L, July 9, 13, 2010.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: maximum, 33.2°C, July 8; minimum, 12.0°C, May 13.
SPECIFIC CONDUCTANCE: maximum, 360 µS/cm, Aug 29; minimum, 121 µS/cm, July 12.
pH: maximum, 9.2 standard units, July 31, Aug 1; minimum, 6.9 standard units, July 14.
DISSOLVED OXYGEN: maximum, 14.4 mg/L, Sept 22, 24; minimum, 3.5 mg/L, July 9, 13.

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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		
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Month	---	---	---	---	---	---	---	---	---	---	---	---

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	---	---	---	---	---	---	---	---	---	---	---	---
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5	---	---	---	---	---	---	---	---	---	217	204	210
6	---	---	---	---	---	---	---	---	---	219	200	213
7	---	---	---	---	---	---	---	---	---	211	201	207
8	---	---	---	---	---	---	---	---	---	212	206	210
9	---	---	---	---	---	---	---	---	---	214	209	212
10	---	---	---	---	---	---	---	---	---	218	213	214
11	---	---	---	---	---	---	---	---	---	224	216	221
12	---	---	---	---	---	---	---	---	---	227	216	222
13	---	---	---	---	---	---	---	---	---	224	211	219
14	---	---	---	---	---	---	---	---	---	228	210	222
15	---	---	---	---	---	---	---	---	---	221	203	208
16	---	---	---	---	---	---	---	---	---	209	205	206
17	---	---	---	---	---	---	---	---	---	213	205	209
18	---	---	---	---	---	---	---	---	---	217	210	212
19	---	---	---	---	---	---	---	---	---	223	210	215
20	---	---	---	---	---	---	---	---	---	234	215	222
21	---	---	---	---	---	---	---	---	---	234	216	225
22	---	---	---	---	---	---	---	---	---	240	216	220
23	---	---	---	---	---	---	---	---	---	230	210	221
24	---	---	---	---	---	---	---	---	---	214	171	193
25	---	---	---	---	---	---	---	---	---	191	167	175
26	---	---	---	---	---	---	---	---	---	193	178	185
27	---	---	---	---	---	---	---	---	---	227	192	201
28	---	---	---	---	---	---	---	---	---	221	205	209
29	---	---	---	---	---	---	---	---	---	225	214	216
30	---	---	---	---	---	---	---	---	---	233	217	220
31	---	---	---	---	---	---	---	---	---	235	209	222
Month	---	---	---	---	---	---	---	---	---	235	167	200

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	253	225	239	307	300	303	314	302	308	332	322	327
2	265	228	236	313	306	309	321	306	315	331	322	326
3	264	230	238	318	309	313	322	309	316	336	321	329
4	262	200	221	320	297	310	325	310	319	331	322	326
5	231	208	220	307	285	297	336	318	331	330	324	327
6	252	219	230	300	283	293	347	334	342	329	323	326
7	238	224	232	302	288	296	341	317	333	326	317	321
8	241	228	232	314	294	307	324	311	318	329	319	325
9	261	236	244	328	311	321	324	311	317	328	323	325
10	267	247	258	333	318	324	326	312	320	337	324	330
11	273	258	262	320	299	311	317	311	314	336	326	332
12	271	252	259	307	121	275	328	297	312	336	323	331
13	272	250	261	307	261	291	306	237	264	337	326	332
14	270	246	255	307	164	231	286	262	278	329	314	323
15	260	246	253	283	238	262	294	282	287	322	314	318
16	260	256	257	300	251	286	301	285	295	337	319	329
17	270	257	265	255	240	248	309	301	304	354	336	346
18	280	270	276	256	247	250	313	305	310	356	348	352
19	280	270	275	269	249	259	335	313	328	349	332	342
20	299	269	277	274	264	268	351	335	345	337	319	330
21	276	271	273	283	274	279	353	330	345	325	318	321
22	283	274	280	285	274	277	337	326	332	331	319	326
23	296	282	290	302	285	295	332	300	317	342	329	336
24	304	296	300	307	301	305	312	297	304	353	340	348
25	342	299	322	305	297	301	320	298	309	357	348	352
26	341	298	323	312	300	304	326	319	323	351	339	345
27	329	291	296	317	309	314	328	316	322	342	332	337
28	328	286	298	313	302	308	345	320	336	334	328	332
29	294	287	291	325	303	317	360	336	351	340	333	337
30	303	294	300	333	315	325	344	325	337	338	207	292
31	---	---	---	320	301	313	336	324	331	---	---	---
Month	342	200	265	333	121	293	360	237	318	357	207	331

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	---	---	---	---	---	---	---	---	---	---	---	---
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Max	---	---	---	---	---	---	---	---	---	---	---	---
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01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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5	---	---	---	---	---	---	---	---	---	8.0	7.7	7.8
6	---	---	---	---	---	---	---	---	---	8.3	7.8	7.9
7	---	---	---	---	---	---	---	---	---	8.4	7.8	8.0
8	---	---	---	---	---	---	---	---	---	8.4	7.8	8.0
9	---	---	---	---	---	---	---	---	---	8.5	7.8	8.1
10	---	---	---	---	---	---	---	---	---	8.5	7.9	8.2
11	---	---	---	---	---	---	---	---	---	8.4	8.1	8.3
12	---	---	---	---	---	---	---	---	---	8.1	7.8	8.0
13	---	---	---	---	---	---	---	---	---	8.0	7.7	7.9
14	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
15	---	---	---	---	---	---	---	---	---	8.2	7.7	7.8
16	---	---	---	---	---	---	---	---	---	8.3	7.8	8.0
17	---	---	---	---	---	---	---	---	---	8.3	7.8	8.1
18	---	---	---	---	---	---	---	---	---	8.1	7.8	7.9
19	---	---	---	---	---	---	---	---	---	8.2	7.8	7.9
20	---	---	---	---	---	---	---	---	---	8.4	7.8	8.0
21	---	---	---	---	---	---	---	---	---	8.6	7.9	8.2
22	---	---	---	---	---	---	---	---	---	8.3	7.8	8.1
23	---	---	---	---	---	---	---	---	---	8.0	7.8	7.9
24	---	---	---	---	---	---	---	---	---	7.8	7.4	7.6
25	---	---	---	---	---	---	---	---	---	7.4	7.3	7.4
26	---	---	---	---	---	---	---	---	---	7.7	7.4	7.6
27	---	---	---	---	---	---	---	---	---	7.8	7.5	7.6
28	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6
29	---	---	---	---	---	---	---	---	---	7.9	7.5	7.6
30	---	---	---	---	---	---	---	---	---	8.1	7.6	7.8
31	---	---	---	---	---	---	---	---	---	8.2	7.6	7.8
Max	---	---	---	---	---	---	---	---	---	8.6	8.1	8.3
Min	---	---	---	---	---	---	---	---	---	7.4	7.3	7.6

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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
	June			July			August			September		
1	7.8	7.6	7.7	9.1	8.4	8.8	9.2	8.4	8.9	8.9	8.3	8.8
2	8.1	7.4	7.7	9.1	8.5	8.9	9.0	8.3	8.8	8.9	8.3	8.8
3	8.4	7.6	7.9	9.1	8.5	8.9	8.9	8.2	8.7	8.9	8.3	8.8
4	8.1	7.5	7.9	9.1	8.4	8.8	9.0	8.3	8.8	8.8	8.4	8.7
5	8.0	7.5	7.7	9.1	8.2	8.8	9.1	8.2	8.7	8.9	8.4	8.7
6	8.0	7.4	7.6	9.0	7.9	8.8	9.0	8.3	8.8	8.9	8.6	8.8
7	7.7	7.4	7.6	8.9	7.8	8.6	9.0	8.3	8.8	8.9	8.5	8.8
8	8.5	7.5	7.7	9.0	7.7	8.4	9.1	8.4	8.9	8.9	8.4	8.8
9	8.4	7.5	7.8	8.8	7.7	8.6	9.1	8.4	8.9	8.8	8.5	8.7
10	7.9	7.4	7.7	8.7	7.7	8.4	9.0	8.2	8.7	8.8	8.5	8.7
11	8.1	7.5	7.8	8.7	7.7	8.4	8.8	8.2	8.7	8.8	8.5	8.7
12	8.2	7.5	7.8	8.6	7.2	7.9	8.8	7.8	8.1	8.8	8.1	8.2
13	8.2	7.6	7.8	7.9	7.2	7.5	7.9	7.4	7.6	8.7	7.9	8.2
14	8.1	7.6	7.8	7.9	6.9	7.2	8.1	7.5	7.6	8.7	8.1	8.6
15	8.3	7.6	7.9	8.0	7.3	7.5	8.0	7.5	7.7	8.8	8.3	8.7
16	8.2	7.7	7.8	7.8	7.6	7.6	8.2	7.5	7.7	8.7	8.2	8.4
17	8.4	7.7	7.8	7.8	7.4	7.5	8.6	7.7	8.1	8.6	7.9	8.3
18	8.6	7.8	8.2	8.2	7.5	7.6	8.7	7.9	8.4	8.7	8.1	8.5
19	8.7	7.9	8.3	8.4	7.5	8.0	8.8	8.0	8.4	8.8	8.1	8.6
20	8.6	7.9	8.3	8.3	7.8	8.0	8.8	8.1	8.6	8.8	8.1	8.7
21	8.7	8.1	8.4	8.5	7.7	8.1	8.8	8.2	8.6	8.9	8.3	8.8
22	8.6	8.1	8.4	8.6	7.9	8.3	8.8	8.1	8.5	9.0	8.3	8.7
23	8.8	8.0	8.5	8.6	8.0	8.3	8.7	8.0	8.2	8.9	8.2	8.6
24	8.7	8.1	8.5	8.7	7.9	8.4	8.6	7.8	8.3	9.0	8.1	8.7
25	8.9	8.1	8.6	8.6	8.1	8.3	8.5	7.9	8.2	8.9	8.1	8.6
26	8.9	8.2	8.7	8.7	7.9	8.2	8.8	7.9	8.3	8.8	8.1	8.6
27	8.9	8.2	8.7	8.8	8.1	8.5	8.9	8.1	8.6	8.7	8.0	8.2
28	8.8	8.2	8.6	9.0	8.2	8.6	8.9	8.3	8.7	8.4	7.7	8.1
29	9.0	8.1	8.6	9.0	8.3	8.7	8.9	8.3	8.7	8.3	7.8	8.1
30	9.0	8.3	8.7	9.0	8.4	8.8	8.9	8.3	8.7	8.3	7.5	7.8
31	---	---	---	9.2	8.5	8.9	8.9	8.4	8.7	---	---	---
Max	9.0	8.3	8.7	9.2	8.5	8.9	9.2	8.4	8.9	9.0	8.6	8.8
Min	7.7	7.4	7.6	7.8	6.9	7.2	7.9	7.4	7.6	8.3	7.5	7.8

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	---	---	---	---	---	---	---	---	---	19.6	17.3	18.5
6	---	---	---	---	---	---	---	---	---	19.8	18.2	19.1
7	---	---	---	---	---	---	---	---	---	19.0	17.7	18.5
8	---	---	---	---	---	---	---	---	---	19.1	17.1	18.2
9	---	---	---	---	---	---	---	---	---	17.1	14.2	15.5
10	---	---	---	---	---	---	---	---	---	15.4	13.1	14.3
11	---	---	---	---	---	---	---	---	---	14.9	12.5	13.6
12	---	---	---	---	---	---	---	---	---	12.5	12.1	12.3
13	---	---	---	---	---	---	---	---	---	13.4	12.0	12.7
14	---	---	---	---	---	---	---	---	---	15.1	13.0	13.9
15	---	---	---	---	---	---	---	---	---	17.1	14.4	15.7
16	---	---	---	---	---	---	---	---	---	18.4	16.2	17.3
17	---	---	---	---	---	---	---	---	---	18.0	16.7	17.1
18	---	---	---	---	---	---	---	---	---	16.7	15.4	15.8
19	---	---	---	---	---	---	---	---	---	15.6	14.7	15.1
20	---	---	---	---	---	---	---	---	---	18.2	14.8	16.4
21	---	---	---	---	---	---	---	---	---	19.4	16.9	18.2
22	---	---	---	---	---	---	---	---	---	19.2	18.5	18.8
23	---	---	---	---	---	---	---	---	---	18.9	18.2	18.5
24	---	---	---	---	---	---	---	---	---	18.6	17.1	17.7
25	---	---	---	---	---	---	---	---	---	18.6	16.9	17.6
26	---	---	---	---	---	---	---	---	---	20.6	17.7	19.0
27	---	---	---	---	---	---	---	---	---	22.3	19.7	20.9
28	---	---	---	---	---	---	---	---	---	21.8	20.9	21.2
29	---	---	---	---	---	---	---	---	---	22.5	20.5	21.5
30	---	---	---	---	---	---	---	---	---	23.7	21.2	22.6
31	---	---	---	---	---	---	---	---	---	24.8	22.2	23.6
Month	---	---	---	---	---	---	---	---	---	24.8	12.0	18.2

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	24.2	23.5	23.8	25.6	22.6	24.4	28.2	25.6	26.9	30.2	25.5	27.8
2	25.1	22.5	23.9	26.8	21.7	24.3	26.5	24.7	25.4	30.4	26.1	28.4
3	25.8	23.3	24.5	28.0	22.7	25.5	26.8	24.2	25.4	29.6	26.7	28.2
4	26.4	23.8	25.1	29.3	24.0	26.8	29.8	25.5	27.6	27.7	22.2	25.0
5	26.2	24.1	25.1	30.8	25.5	28.3	30.2	26.8	28.6	24.1	20.1	22.1
6	25.1	24.0	24.5	32.0	27.3	29.7	29.3	26.9	28.1	24.5	19.3	22.1
7	24.1	22.1	23.0	32.3	28.2	30.4	28.9	24.8	27.0	25.7	21.2	23.5
8	23.6	20.8	22.3	33.2	28.5	30.8	29.6	24.9	27.5	26.5	23.0	24.5
9	22.7	19.7	20.8	31.5	28.7	30.2	30.6	25.8	28.3	23.0	20.3	21.7
10	21.9	19.0	20.4	30.0	27.2	28.4	31.1	27.6	29.3	21.8	19.2	20.5
11	22.3	20.0	21.4	30.1	25.9	28.1	31.9	27.7	29.8	23.1	17.9	20.6
12	24.6	21.3	22.9	28.0	21.3	25.8	30.2	25.6	27.8	21.1	19.5	20.0
13	25.8	23.4	24.5	26.5	23.4	24.9	25.6	23.1	23.9	23.2	19.0	20.8
14	25.3	23.8	24.7	26.2	20.8	22.3	24.1	22.4	23.2	23.6	19.4	21.5
15	24.7	23.6	24.3	26.9	22.1	24.3	23.6	22.5	22.9	23.7	19.3	21.5
16	24.3	23.0	23.4	26.9	25.0	25.9	26.0	23.0	24.2	21.3	19.1	19.7
17	25.1	22.2	23.7	27.8	25.3	26.5	27.7	24.3	26.0	22.3	18.8	20.0
18	26.0	22.4	24.3	29.2	26.2	27.7	26.4	24.7	25.7	22.6	18.2	20.4
19	27.3	23.7	25.6	29.6	27.0	28.3	28.1	23.7	25.9	23.2	19.5	21.4
20	28.6	25.8	27.2	28.7	26.9	27.8	28.6	25.0	26.9	24.0	20.6	22.1
21	29.1	25.8	27.6	30.0	26.6	28.3	27.7	25.0	26.6	22.6	18.5	20.7
22	28.0	26.4	27.3	30.4	27.0	28.8	27.1	25.2	26.2	23.9	19.4	21.7
23	29.3	25.8	27.6	30.3	27.6	29.0	26.6	24.1	25.2	25.2	21.2	23.2
24	28.9	27.0	28.0	32.3	28.6	30.4	24.1	23.0	23.5	26.1	22.7	24.4
25	29.2	26.1	27.7	30.9	28.4	29.7	23.8	22.5	23.2	26.9	23.6	25.0
26	28.8	25.8	27.4	30.0	26.2	28.2	25.8	22.4	24.0	23.8	21.1	22.0
27	30.0	26.2	28.1	29.6	26.1	28.0	26.2	21.6	23.9	21.1	20.0	20.5
28	29.5	27.7	28.6	30.4	26.6	28.6	26.5	21.9	24.3	22.9	20.6	21.7
29	29.9	27.0	28.3	30.6	27.7	29.2	27.5	22.7	25.2	21.8	19.6	20.4
30	27.3	23.9	25.8	29.0	26.0	27.7	29.4	24.4	26.6	19.8	17.0	18.8
31	---	---	---	29.5	24.9	27.3	29.5	25.0	27.2	---	---	---
Month	30.0	19.0	25.1	33.2	20.8	27.6	31.9	21.6	26.0	30.4	17.0	22.3

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	---	---	---	---	---	---	---	---	---	---	---	---

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	---	---	---	---	---	---	---	---	---	9.3	8.1	8.6
6	---	---	---	---	---	---	---	---	---	9.9	8.2	8.9
7	---	---	---	---	---	---	---	---	---	10.4	8.4	9.3
8	---	---	---	---	---	---	---	---	---	10.3	8.3	9.3
9	---	---	---	---	---	---	---	---	---	11.0	8.5	9.7
10	---	---	---	---	---	---	---	---	---	12.0	9.5	10.7
11	---	---	---	---	---	---	---	---	---	11.3	10.0	10.7
12	---	---	---	---	---	---	---	---	---	10.7	9.6	10.2
13	---	---	---	---	---	---	---	---	---	10.7	9.8	10.2
14	---	---	---	---	---	---	---	---	---	10.7	9.6	10.1
15	---	---	---	---	---	---	---	---	---	10.9	9.3	10.0
16	---	---	---	---	---	---	---	---	---	10.6	9.1	9.9
17	---	---	---	---	---	---	---	---	---	9.9	8.9	9.4
18	---	---	---	---	---	---	---	---	---	9.5	8.6	9.0
19	---	---	---	---	---	---	---	---	---	10.5	8.8	9.6
20	---	---	---	---	---	---	---	---	---	11.2	9.3	10.2
21	---	---	---	---	---	---	---	---	---	10.9	9.1	10
22	---	---	---	---	---	---	---	---	---	9.9	8.3	9.1
23	---	---	---	---	---	---	---	---	---	9.0	8.0	8.5
24	---	---	---	---	---	---	---	---	---	8.6	8.2	8.3
25	---	---	---	---	---	---	---	---	---	8.8	8.3	8.6
26	---	---	---	---	---	---	---	---	---	9.3	8.1	8.8
27	---	---	---	---	---	---	---	---	---	8.8	6.5	8.0
28	---	---	---	---	---	---	---	---	---	7.8	7.0	7.4
29	---	---	---	---	---	---	---	---	---	8.5	6.6	7.5
30	---	---	---	---	---	---	---	---	---	9.2	6.6	8.0
31	---	---	---	---	---	---	---	---	---	9.2	6.7	7.9
Month	---	---	---	---	---	---	---	---	---	12.0	6.5	9.05

01567150 JUNIATA RIVER AT TRIMMERS ROCK, 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	8.2	6.4	7.2	12.4	6.3	9.2	11.1	5.7	8.6	11.7	5.8	8.9
2	9.1	5.6	7.5	13.2	6.8	9.9	10.9	6.0	8.5	12.1	5.5	8.9
3	9.4	6.2	7.7	12.8	6.5	9.8	11.8	6.4	8.9	12.3	5.3	8.7
4	8.6	5.4	7.2	12.5	5.9	9.3	12.1	6.0	9.0	10.2	5.7	8.4
5	8.0	5.3	6.7	12.9	5.4	9.1	11.6	5.0	8.3	13.1	6.8	9.8
6	7.8	4.9	6.2	12.3	4.7	8.6	11.1	5.6	8.4	13.6	7.5	10.4
7	7.6	5.1	6.4	11.4	4.2	8.0	11.7	5.8	8.9	12.9	7.1	10.1
8	10.0	6.1	7.8	12.1	4.1	8.1	12.5	5.6	9.1	12.2	6.2	9.4
9	9.2	6.7	7.6	11.4	3.5	7.4	12.3	5.5	9.0	10.9	6.5	9.0
10	9.1	6.1	7.6	10.4	4.0	7.1	10.8	4.9	7.9	11.8	7.2	9.7
11	9.2	6.1	7.9	11.5	4.6	8.0	11.3	5.0	8.3	12.7	7.7	10.2
12	9.2	6.1	7.8	9.5	4.4	7.0	8.1	4.7	6.4	10.2	6.6	8.0
13	9.0	6.1	7.4	7.6	3.5	5.7	6.7	4.8	5.8	11.7	6.2	8.9
14	8.4	5.4	7.2	8.0	6.1	7.2	9.0	5.8	7.3	11.9	7.0	9.6
15	9.2	5.8	7.7	8.7	6.3	7.5	8.3	6.0	6.9	12.7	7.2	9.9
16	8.6	6.3	7.3	7.4	6.1	6.5	9.1	5.8	7.4	9.9	7.2	8.7
17	10.0	6.8	8.2	7.7	5.2	6.6	10.7	6.2	8.4	12.0	6.4	9.0
18	10.6	6.7	8.7	8.7	5.8	7.3	10.2	6.1	8.3	12.8	7.4	9.9
19	10.9	6.3	8.6	8.7	5.7	7.2	11.5	6.3	8.8	12.9	7.3	9.9
20	10.9	5.9	8.2	8.3	5.5	6.9	11.6	6.3	9.0	12.6	6.6	9.7
21	10.8	5.3	8.2	9.3	5.1	7.2	11.4	6.2	8.9	13.1	7.3	10.1
22	10.3	5.3	7.8	9.3	5.5	7.4	10.2	5.8	8.0	14.4	7.0	10.2
23	10.9	5.4	8.2	9.4	5.4	7.4	9.3	5.9	7.8	12.6	6.3	9.4
24	10.3	5.6	8.0	9.8	5.2	7.5	10.2	6.3	8.3	14.4	6.1	9.9
25	12.0	5.6	8.6	7.9	5.0	6.6	9.3	6.7	8.0	13.4	5.7	9.5
26	11.3	5.8	8.6	10.1	5.3	7.6	11.4	6.9	9.1	12.2	5.7	8.9
27	11.6	5.4	8.4	10.4	5.8	8.0	12.1	7.0	9.5	9.8	5.8	7.9
28	10.2	5.0	7.8	11.9	5.4	8.4	12.6	6.7	9.6	9.9	6.1	7.8
29	11.7	4.6	8.1	10.9	5.7	8.1	12.9	6.9	9.7	9.5	6.3	7.9
30	11.6	5.7	8.6	12.0	6.0	8.9	12.5	6.3	9.3	8.9	7.1	7.9
31	---	---	---	12.6	6.4	9.5	12.3	6.1	9.2	---	---	---
Month	12.0	4.6	7.8	13.2	3.5	7.8	12.9	4.7	8.4	14.4	5.3	9.2