

Water-Data Report 2013

**01540500 SUSQUEHANNA RIVER AT DANVILLE, PA**

Upper Susquehanna Basin  
Upper Susquehanna-Lackawanna Subbasin

LOCATION.--Lat 40°57'29", long 76°37'10" referenced to North American Datum of 1927, Montour County, PA, Hydrologic Unit 02050107, on right bank 500 ft upstream from State Route 54 bridge at Danville, and 0.8 mi upstream from Mahoning Creek.

DRAINAGE AREA.--11,220 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--March 1899 to current year. Prior to April 1905 monthly discharge only, published in WSP 1302.

REVISED RECORDS.--WSP 756: Drainage area. WSP 1302: 1904, 1914-17, 1923. WSP 1432: 1900-03, 1905-06, 1908-10, 1912-13, 1933.

GAGE.--Water-stage recorder. Datum of gage is 431.29 ft above National Geodetic Vertical Datum of 1929. Prior to June 29, 1939, non-recording gage at or near Mill Street bridge at same datum. Since Oct. 1, 1971, water-stage recorder for Susquehanna River at Sunbury (station 01553990), used as an auxiliary gage. Satellite and landline telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey. Funding for this station is provided by the Pennsylvania Department of Environmental Protection and the U.S. Geological Survey through the National Streamflow Information Program.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Flow slightly regulated by 8 flood-control reservoirs which have a combined capacity of 368,800 acre-ft. Daily discharges determined from slope-adjusted computation using auxiliary gage (01553990) when auxiliary gage exceeds 12.00 ft, gage datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1865, reached a stage of 28 ft, discharge not determined.

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,800	35,900	5,380	16,900	73,200	13,900	14,300	14,100	19,400	39,900	9,000	6,450
2	4,880	28,200	5,260	16,000	70,700	17,200	15,400	13,200	23,500	42,400	7,820	6,890
3	4,790	23,700	5,150	14,900	52,600	16,800	20,600	12,500	18,500	60,800	6,990	6,260
4	4,820	18,800	5,040	14,000	41,500	14,700	22,000	11,400	14,200	52,400	6,330	7,750
5	5,000	15,900	5,040	13,600	30,800	13,000	19,500	10,400	12,000	43,800	6,120	16,900
6	4,670	14,100	5,170	12,700	25,100	11,600	17,100	9,460	11,100	35,600	6,140	17,500
7	4,290	12,500	5,630	12,400	21,600	10,800	15,600	8,680	10,200	27,900	5,560	12,700
8	4,010	11,100	6,670	12,300	18,900	10,200	14,900	8,290	9,120	22,300	4,920	9,740
9	3,810	10,000	8,090	12,000	17,100	9,830	14,300	8,280	8,720	20,400	4,640	7,530
10	3,650	9,270	9,620	11,600	15,000	9,560	14,000	8,290	12,000	20,200	5,670	6,110
11	3,530	8,450	11,600	11,200	14,000	9,490	16,000	8,730	15,900	21,200	25,500	5,490
12	3,390	7,820	14,200	11,800	13,900	11,100	27,400	10,300	14,300	18,600	27,000	5,680
13	3,260	7,980	20,800	14,400	13,300	28,700	42,000	11,900	14,300	15,700	19,100	6,480
14	3,160	8,870	20,000	27,300	13,200	60,300	48,900	12,000	25,100	13,900	15,900	9,390
15	3,120	9,680	17,000	47,500	13,100	58,400	44,800	11,200	29,900	11,900	13,100	11,200
16	3,080	11,200	14,600	49,800	13,200	46,500	37,800	9,970	36,300	10,300	12,600	10,800
17	2,980	11,200	13,100	42,300	13,000	35,200	31,600	8,810	34,300	9,110	12,600	9,180
18	2,770	10,400	13,600	34,400	12,100	28,300	30,500	7,900	28,600	8,140	10,200	7,890
19	3,680	9,190	23,700	28,400	10,800	24,000	29,700	7,300	21,700	7,310	8,310	6,740
20	7,000	8,430	42,800	24,000	10,000	21,600	29,400	6,840	17,400	6,540	7,070	5,870
21	8,090	7,900	44,300	21,500	e9,580	20,500	34,100	6,390	14,800	6,070	6,190	5,330
22	7,540	7,470	69,200	e20,000	8,690	19,400	34,700	6,010	12,800	5,520	5,560	5,170
23	9,290	7,100	67,700	e17,400	8,190	17,500	30,900	6,010	11,100	5,370	5,230	5,240
24	9,890	6,750	52,200	e14,600	8,090	15,800	26,100	6,390	9,740	5,130	4,730	4,950
25	9,070	6,550	39,600	e12,100	7,960	14,800	23,100	7,400	9,110	7,950	4,400	6,210
26	9,630	6,210	31,400	e8,860	7,850	14,100	20,900	11,700	8,790	18,800	4,160	6,330
27	10,200	6,040	26,900	e8,020	8,580	13,700	20,100	12,300	8,320	14,200	3,920	5,390
28	9,110	5,970	23,700	e7,940	10,400	13,500	18,600	11,100	14,100	11,000	3,930	4,690
29	9,110	5,770	21,100	8,670	---	13,400	16,600	13,900	24,100	9,160	3,830	4,250
30	16,400	5,550	19,500	10,800	---	13,600	15,100	14,800	36,400	8,330	4,780	3,900
31	29,200	---	18,100	30,000	---	13,900	---	15,500	---	8,670	6,780	---
<b>Total</b>	208,220	338,000	666,150	587,390	562,440	621,380	746,000	311,050	525,800	588,600	268,080	228,010
<b>Mean</b>	6,717	11,270	21,490	18,950	20,090	20,040	24,870	10,030	17,530	18,990	8,648	7,600
<b>Max</b>	29,200	35,900	69,200	49,800	73,200	60,300	48,900	15,500	36,400	60,800	27,000	17,500
<b>Min</b>	2,770	5,550	5,040	7,940	7,850	9,490	14,000	6,010	8,320	5,130	3,830	3,900
<b>Cfs/m</b>	0.60	1.00	1.92	1.69	1.79	1.79	2.22	0.89	1.56	1.69	0.77	0.68
<b>In.</b>	0.69	1.12	2.21	1.95	1.86	2.06	2.47	1.03	1.74	1.95	0.89	0.76

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2013, BY WATER YEAR (WY)

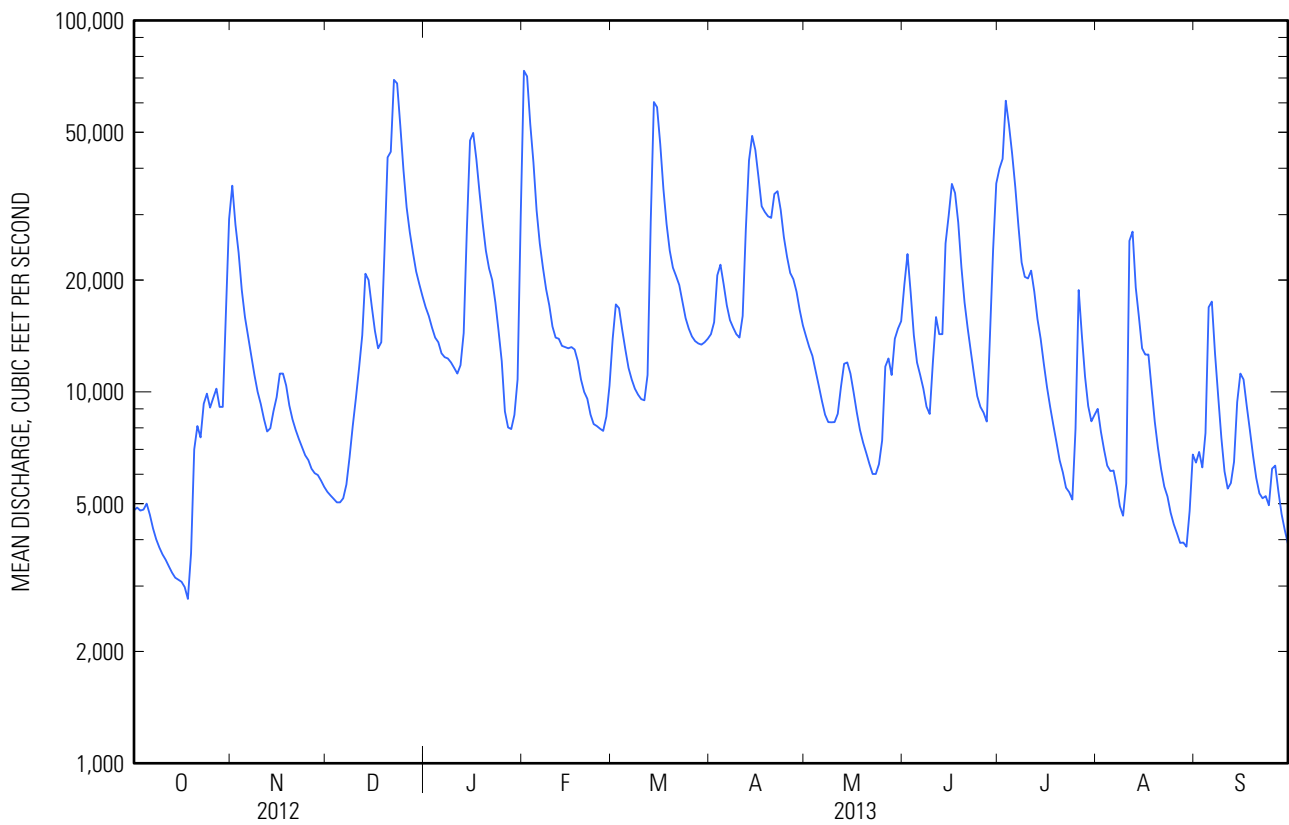
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	8,453	13,320	16,940	16,770	16,960	32,850	34,610	19,200	11,100	6,617	4,942	6,035
<b>Max</b>	43,890	38,540	49,410	44,410	46,420	91,900	106,900	44,980	62,370	28,490	23,110	64,920
<b>(WY)</b>	(1978)	(1927)	(1997)	(1996)	(1976)	(1936)	(1993)	(1943)	(1972)	(1915)	(1915)	(2011)
<b>Min</b>	868	852	1,602	1,853	2,841	11,740	7,664	5,643	2,427	1,308	1,087	740
<b>(WY)</b>	(1965)	(1965)	(1909)	(1931)	(1920)	(1965)	(1946)	(1941)	(1999)	(1965)	(1999)	(1964)

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

## SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1905 - 2013	
<b>Annual total</b>	4,348,440		5,651,120			
<b>Annual mean</b>	11,880		15,480		15,640	
<b>Highest annual mean</b>					30,320	2011
<b>Lowest annual mean</b>					6,948	1965
<b>Highest daily mean</b>	69,200	Dec 22	73,200	Feb 1	335,000	Jun 25, 1972
<b>Lowest daily mean</b>	1,630	Jul 18	2,770	Oct 18	558	Sep 24, 1964
<b>Annual seven-day minimum</b>	1,740	Jul 13	3,110	Oct 12	579	Sep 21, 1964
<b>Maximum peak flow</b>			85,200	Feb 1	<sup>a</sup> 363,000 Jun 25, 1972	
<b>Maximum peak stage</b>			14.94	Feb 1	32.32	Jun 24, 1972
<b>Instantaneous low flow</b>			2,700	Oct 18	508	Sep 27, 1964
<b>Annual runoff (cfs)</b>	1.06		1.38		1.39	
<b>Annual runoff (inches)</b>	14.42		18.74		18.94	
<b>10 percent exceeds</b>	25,500		31,100		36,500	
<b>50 percent exceeds</b>	9,200		11,700		8,900	
<b>90 percent exceeds</b>	2,490		5,160		2,160	

<sup>a</sup> From rating curve extended above 250,000 ft<sup>3</sup>/s based on straight-line extension.



**01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--1946 to 1953, 1957 to 1995, 2002 to 2009, 2011 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 2010 to current year.

SPECIFIC CONDUCTANCE: November 2010 to current year.

DISSOLVED OXYGEN: March 2011 to current year.

PH: March 2011 to current year.

INSTRUMENTATION.--Water-quality monitor with internal data logger collecting data at 15-minute interval. Monitor is deployed on downstream side of center pier of State Route 54 bridge. From October 1 to May 3, monitor was deployed along right bank 500 ft upstream from State Route 54 bridge.

REMARKS.--Water temperature records rated excellent, except those for period from January 22 to February 4, which are good. Specific conductance records rated excellent from October 1 to November 26, and May 4 to September 30. Specific conductance records rated good for period from November 27 to April 26 and poor for period from April 27 to May 3. pH and dissolved oxygen records rated good. Water temperature and Specific conductance data are collected year round. pH and dissolved oxygen data collection is suspended during the winter months.

Data are accurate; however, water quality at deployment location from October 1 to May 3 may not be representative of water quality throughout the channel cross-section.

COOPERATION.--Station established by the US Geological Survey in cooperation with the Pennsylvania Department of Environmental Protection.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 429 microsiemens/cm, Jul 14, 2012; minimum, 50 microsiemens/cm, Sep 18, 2012.

WATER TEMPERATURE: Maximum, 35.6°C, Jul 6, 2012; minimum, 0.0°C, many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 332 microsiemens/cm, July 25; minimum, 103 microsiemens/cm, Dec. 23.

WATER TEMPERATURE: Maximum, 30.6°C, July 19, 21; minimum, 0.0°C, on many days during winter periods.

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

**CROSS-SECTION ANALYSES**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[% , percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Location in cross section, distance from left bank looking downstream, ft (00009)
04-22-2013	1401	34,800	10.4	--	7.4	158	10.3	1.00
04-22-2013	1402	34,800	10.2	--	7.4	158	10.3	79.0
04-22-2013	1403	34,800	10.4	--	7.4	168	10.1	230
04-22-2013	1404	34,800	10.3	--	7.3	168	10.1	460
04-22-2013	1405	34,800	10.5	--	7.2	170	10.1	684
04-22-2013	1406	34,800	10.3	--	7.1	170	10.2	912
04-22-2013	1407	34,800	10.1	--	7.0	167	10.4	1,140
04-22-2013	1408	34,800	10.1	--	6.7	167	10.4	1,200
09-05-2013	0847	16,500	7.2	86	7.5	262	23.8	60.0
09-05-2013	0849	16,500	7.2	86	7.5	262	23.9	179
09-05-2013	0850	16,500	7.1	84	7.5	263	23.9	298
09-05-2013	0852	16,500	7.1	84	7.5	263	23.9	417
09-05-2013	0853	16,500	7.0	84	7.5	263	23.9	536
09-05-2013	0854	16,500	7.1	84	7.5	263	23.9	655
09-05-2013	0855	16,500	7.1	84	7.5	264	23.9	774
09-05-2013	0857	16,500	7.2	85	7.5	264	23.9	893
09-05-2013	0858	16,500	7.2	85	7.5	265	23.8	1,010
09-05-2013	0900	16,500	7.3	86	7.5	265	23.8	1,130

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	271	234	260	170	151	160	273	256	266	155	139	146
2	269	254	265	171	162	166	266	257	260	188	145	173
3	270	253	261	172	164	169	260	257	259	197	180	188
4	253	236	244	173	171	172	266	258	260	212	197	206
5	240	217	225	179	172	176	261	257	260	---	---	---
6	233	221	228	184	178	181	287	261	264	---	---	---
7	238	232	235	189	182	185	290	269	275	219	213	215
8	240	234	237	195	189	192	286	249	274	---	---	---
9	238	234	236	196	193	194	249	239	242	---	---	---
10	242	237	239	199	195	197	255	240	243	228	225	227
11	246	238	242	204	197	199	252	200	227	247	225	230
12	249	242	244	232	200	209	202	194	197	245	212	222
13	263	248	254	254	208	221	205	197	202	223	203	207
14	281	263	273	254	195	213	197	186	190	204	186	197
15	289	281	284	277	219	237	191	175	182	208	164	181
16	288	281	284	288	220	242	175	173	174	167	155	158
17	291	283	286	256	212	231	187	174	176	163	154	157
18	296	261	290	257	211	241	186	140	161	158	154	155
19	270	177	237	276	199	237	176	140	156	171	158	163
20	251	188	208	259	194	215	173	145	160	173	169	171
21	233	215	226	256	203	225	146	117	132	174	169	171
22	228	208	213	268	225	245	128	104	118	179	162	173
23	224	211	217	257	207	231	114	103	109	208	161	182
24	240	224	231	276	219	245	114	108	110	203	186	198
25	252	235	245	279	189	220	113	110	112	248	198	216
26	251	227	241	274	212	242	115	111	113	279	211	224
27	230	217	221	258	238	244	128	115	121	236	212	222
28	220	207	212	261	244	252	137	123	131	295	218	242
29	217	190	205	255	246	251	134	131	133	272	239	254
30	207	176	198	272	251	255	144	134	140	266	237	246
31	179	158	174	---	---	---	165	137	148	---	---	---
Month	296	158	239	288	151	215	290	103	187	295	139	197

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	245	233	238	208	194	203	225	217	220
2	148	138	143	254	241	248	196	193	194	232	225	229
3	145	132	137	243	230	237	198	194	196	235	230	233
4	134	132	133	251	236	245	195	192	193	243	235	240
5	138	133	135	259	247	253	196	188	193	249	242	246
6	142	138	140	263	256	259	192	180	186	269	248	258
7	151	142	146	267	259	262	186	179	182	271	261	265
8	164	150	154	271	262	266	193	181	189	272	263	268
9	175	158	166	271	239	248	196	193	194	277	266	272
10	178	166	172	253	242	246	205	196	199	283	276	279
11	184	170	175	267	253	261	207	189	198	291	277	283
12	188	173	182	275	266	272	199	186	194	298	272	288
13	181	175	179	274	205	229	188	166	182	290	270	281
14	186	181	183	223	163	185	166	147	155	282	269	275
15	188	184	185	168	158	165	155	140	149	280	269	274
16	188	185	187	165	155	159	141	132	138	275	263	270
17	189	185	188	164	154	159	146	138	142	277	262	269
18	209	178	186	172	160	164	162	146	152	279	261	270
19	216	197	202	180	165	174	168	162	165	278	266	272
20	206	199	203	183	168	176	166	156	160	287	268	275
21	213	201	206	187	174	183	167	159	164	292	270	278
22	208	204	206	181	180	181	173	158	165	285	279	281
23	212	203	207	200	181	188	172	164	167	288	282	284
24	206	203	204	204	194	199	165	162	164	292	284	287
25	210	201	205	195	193	194	178	165	169	302	285	292
26	276	209	238	204	194	199	189	172	180	302	284	294
27	257	217	245	202	199	200	198	189	194	299	281	290
28	237	207	222	205	202	203	210	198	204	298	254	279
29	---	---	---	206	204	205	215	209	212	267	233	248
30	---	---	---	208	205	206	218	214	216	236	223	230
31	---	---	---	208	207	208	---	---	---	235	212	224
Month	276	132	183	275	154	213	218	132	180	302	212	266

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	223	204	214	212	152	164	239	226	233	298	281	290
2	239	203	219	156	141	149	263	239	250	302	284	295
3	203	182	193	150	140	144	274	263	269	304	285	296
4	193	174	180	152	143	149	281	274	278	285	259	269
5	187	174	179	158	151	155	287	272	280	274	251	261
6	214	187	198	167	157	161	282	279	281	272	191	230
7	224	200	212	187	167	177	289	280	284	191	177	180
8	237	217	228	203	185	194	300	289	295	184	179	182
9	239	218	236	218	201	209	307	299	303	181	176	177
10	244	234	239	226	212	219	312	299	306	194	179	186
11	259	202	240	229	220	225	315	231	285	211	194	203
12	265	242	255	241	220	233	262	156	201	221	211	216
13	255	228	239	240	229	233	184	149	162	234	221	229
14	239	217	225	250	232	242	194	184	188	241	232	237
15	219	188	205	255	245	250	186	178	179	247	236	241
16	190	179	187	264	255	259	189	178	183	247	229	238
17	179	159	166	272	263	267	201	189	194	230	214	222
18	163	150	158	282	272	275	216	201	210	221	214	217
19	171	159	164	283	279	281	222	216	219	231	221	225
20	190	171	178	289	281	285	223	221	222	243	231	237
21	204	189	196	296	289	292	225	221	222	252	243	248
22	219	204	212	305	296	301	234	225	230	258	252	254
23	229	218	224	309	302	305	242	234	237	267	258	262
24	240	229	235	322	309	317	250	242	245	273	266	269
25	250	239	245	332	319	322	258	250	254	293	271	282
26	258	250	253	329	309	319	264	258	260	293	289	291
27	264	253	256	320	251	282	270	264	266	306	291	297
28	266	235	253	255	223	236	272	266	269	320	306	313
29	242	191	216	226	223	224	280	272	275	325	320	322
30	225	199	213	225	215	219	284	280	282	326	324	325
31	---	---	---	226	216	219	283	280	282	---	---	---
Month	266	150	214	332	140	236	315	149	247	326	176	250

	Max	Min	Mean
Year	332	103	220



## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.3	7.2	7.4	7.3	7.1	7.3	---	---	---	---	---	---
2	7.4	7.2	7.3	7.4	7.1	7.2	---	---	---	---	---	---
3	7.7	7.1	7.2	7.5	7.4	7.4	---	---	---	---	---	---
4	7.5	7.1	7.2	7.5	7.4	7.5	---	---	---	---	---	---
5	7.8	7.0	7.2	7.5	7.3	7.5	---	---	---	---	---	---
6	7.5	7.0	7.1	7.4	7.3	7.4	---	---	---	---	---	---
7	7.5	7.1	7.2	7.5	7.2	7.4	---	---	---	---	---	---
8	7.8	7.1	7.3	---	---	---	---	---	---	---	---	---
9	7.9	7.1	7.3	---	---	---	---	---	---	---	---	---
10	7.7	7.0	7.1	---	---	---	---	---	---	---	---	---
11	7.9	7.0	7.2	---	---	---	---	---	---	---	---	---
12	7.9	7.1	7.2	---	---	---	---	---	---	---	---	---
13	8.0	7.1	7.3	---	---	---	---	---	---	---	---	---
14	7.9	7.0	7.2	---	---	---	---	---	---	---	---	---
15	7.8	7.0	7.2	---	---	---	---	---	---	---	---	---
16	8.1	7.0	7.3	---	---	---	---	---	---	---	---	---
17	8.4	7.1	7.4	---	---	---	---	---	---	---	---	---
18	8.5	7.1	7.5	---	---	---	---	---	---	---	---	---
19	7.6	7.1	7.3	---	---	---	---	---	---	---	---	---
20	7.3	7.1	7.2	---	---	---	---	---	---	---	---	---
21	7.2	7.0	7.1	---	---	---	---	---	---	---	---	---
22	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
23	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
24	7.4	7.1	7.3	---	---	---	---	---	---	---	---	---
25	7.3	7.2	7.3	---	---	---	---	---	---	---	---	---
26	7.3	7.2	7.3	---	---	---	---	---	---	---	---	---
27	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
28	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
29	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
30	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
31	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
Max	8.5	7.2	7.5	7.5	7.4	7.5	---	---	---	---	---	---
Min	7.2	7.0	7.1	7.3	7.1	7.2	---	---	---	---	---	---

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	8.7	8.1	8.4	9.0	8.4	8.6
2	---	---	---	---	---	---	8.7	8.2	8.4	9.3	8.5	8.8
3	---	---	---	---	---	---	8.8	8.2	8.5	9.0	8.6	8.8
4	---	---	---	---	---	---	8.4	7.6	7.7	9.1	8.5	8.9
5	---	---	---	---	---	---	7.8	7.6	7.7	9.2	8.8	9.0
6	---	---	---	---	---	---	8.1	7.7	7.8	9.2	8.8	9.0
7	---	---	---	---	---	---	8.4	7.9	8.1	9.2	8.9	9.1
8	---	---	---	---	---	---	8.8	8.0	8.5	9.0	8.8	8.9
9	---	---	---	---	---	---	8.6	8.0	8.3	9.1	8.6	8.9
10	---	---	---	---	---	---	8.4	8.0	8.2	9.1	8.8	9.0
11	---	---	---	---	---	---	8.1	7.8	7.9	9.0	8.5	8.7
12	---	---	---	---	---	---	7.9	7.8	7.8	8.7	8.2	8.6
13	---	---	---	---	---	---	7.8	7.5	7.6	8.8	8.3	8.6
14	---	---	---	---	---	---	7.5	7.5	7.5	9.0	8.6	8.8
15	---	---	---	---	---	---	7.6	7.4	7.5	9.1	8.7	8.9
16	---	---	---	---	---	---	7.6	7.4	7.5	9.1	8.8	9.0
17	---	---	---	---	---	---	7.7	7.5	7.6	9.1	8.9	9.0
18	---	---	---	---	---	---	7.7	7.6	7.7	9.0	8.7	8.9
19	---	---	---	---	---	---	7.7	7.5	7.7	8.9	8.5	8.7
20	---	---	---	---	---	---	7.8	7.6	7.7	8.9	8.3	8.7
21	---	---	---	---	---	---	7.6	7.3	7.5	8.9	8.5	8.7
22	---	---	---	7.6	7.5	7.6	7.7	7.4	7.5	8.8	8.4	8.6
23	---	---	---	7.6	7.5	7.6	7.8	7.7	7.7	8.8	8.3	8.5
24	---	---	---	7.6	7.5	7.6	7.9	7.8	7.8	8.6	8.1	8.4
25	---	---	---	7.7	7.6	7.6	7.9	7.8	7.8	8.6	8.0	8.3
26	---	---	---	7.8	7.6	7.7	8.1	7.9	8.0	8.7	7.9	8.4
27	---	---	---	7.9	7.6	7.7	8.3	8.1	8.2	9.1	8.5	8.8
28	---	---	---	8.1	7.7	7.8	8.5	8.2	8.4	9.0	8.4	8.7
29	---	---	---	8.5	7.8	8.0	8.5	8.3	8.3	8.8	7.9	8.4
30	---	---	---	8.8	7.9	8.3	8.6	8.2	8.5	8.8	8.0	8.5
31	---	---	---	8.5	8.2	8.3	---	---	---	8.7	8.0	8.4
Max	---	---	---	8.8	8.2	8.3	8.8	8.3	8.5	9.3	8.9	9.1
Min	---	---	---	7.6	7.5	7.6	7.5	7.3	7.5	8.6	7.9	8.3

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

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

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS  
 WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	20.6	15.1	17.4	10.6	9.8	10.1	4.5	3.4	4.0	0.9	0.7	0.9
2	17.5	16.8	17.1	9.8	9.3	9.5	6.5	4.3	5.2	0.8	0.4	0.6
3	18.6	16.9	17.5	9.3	8.9	9.0	8.0	5.6	6.6	0.4	0.0	0.2
4	19.5	17.4	18.0	8.9	8.2	8.5	9.7	6.6	7.9	0.9	0.1	0.4
5	21.1	16.5	18.3	8.2	7.5	7.8	8.8	6.2	7.8	0.9	0.0	0.4
6	18.2	15.6	17.2	8.0	6.9	7.4	7.3	4.7	5.8	1.4	0.5	1.0
7	15.6	13.4	14.6	7.4	6.6	6.9	5.1	4.5	4.8	1.9	1.3	1.5
8	14.5	12.0	13.2	7.5	6.0	6.6	6.0	5.0	5.5	2.1	0.9	1.5
9	15.5	12.5	13.8	7.7	5.7	6.5	5.8	5.4	5.6	1.4	1.0	1.2
10	16.6	12.7	14.4	6.7	6.0	6.3	6.2	5.4	5.8	2.2	0.9	1.4
11	17.6	11.0	13.5	8.6	5.9	7.1	6.9	5.7	6.2	2.0	1.6	1.8
12	13.9	10.9	12.2	9.6	7.2	8.4	5.7	5.0	5.4	2.9	2.0	2.5
13	15.8	9.0	11.8	10.0	8.4	9.0	5.0	4.3	4.6	3.4	2.8	3.1
14	17.9	11.6	13.9	9.5	7.6	8.4	4.3	3.5	3.9	4.3	3.4	3.9
15	15.8	13.3	14.5	8.1	6.8	7.4	3.7	3.1	3.4	4.3	3.8	4.0
16	16.1	11.9	13.3	7.7	6.4	6.9	3.9	3.5	3.6	3.8	3.2	3.4
17	17.6	10.1	13.3	7.4	5.8	6.4	4.8	3.9	4.3	3.2	2.9	3.0
18	16.5	11.0	13.4	7.1	5.5	6.1	5.5	4.7	5.1	2.9	2.1	2.5
19	15.5	13.7	14.4	7.1	5.0	5.8	5.2	4.5	4.9	2.2	1.4	1.9
20	14.7	13.1	13.9	6.6	5.0	5.7	4.5	4.3	4.4	2.3	1.5	1.9
21	14.4	12.1	13.1	7.1	4.8	5.7	4.7	4.5	4.6	1.7	0.8	1.2
22	14.8	11.7	13.0	7.1	4.6	5.6	4.5	3.6	4.0	0.8	0.0	0.1
23	13.3	12.4	12.8	6.4	4.4	5.3	3.6	3.1	3.3	0.0	0.0	0.0
24	15.3	12.7	13.8	5.0	4.0	4.5	3.1	2.7	2.8	0.0	0.0	0.0
25	14.9	14.2	14.4	4.4	3.5	3.8	2.8	2.6	2.7	0.0	0.0	0.0
26	14.5	14.2	14.4	5.7	3.3	4.2	2.6	1.6	2.0	0.4	0.0	0.0
27	14.7	14.3	14.4	4.0	3.2	3.7	1.6	1.4	1.5	0.0	0.0	0.0
28	14.3	13.7	14.0	4.6	2.8	3.6	1.6	1.3	1.4	0.0	0.0	0.0
29	13.7	12.3	13.0	4.9	2.8	3.5	1.3	0.5	0.8	0.1	0.0	0.0
30	12.7	11.1	11.9	4.6	2.4	3.4	0.7	0.3	0.5	1.6	0.0	0.6
31	11.1	10.6	10.9	---	---	---	0.8	0.2	0.5	2.2	0.0	1.3
Month	21.1	9.0	14.2	10.6	2.4	6.4	9.7	0.2	4.2	4.3	0.0	1.3

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.6	0.0	0.2	3.3	3.0	3.1	7.6	6.3	6.8	16.0	13.0	14.4
2	0.5	0.0	0.1	3.2	2.8	2.9	6.8	5.7	6.3	17.1	14.1	15.5
3	0.0	0.0	0.0	2.8	2.1	2.4	6.2	5.2	5.8	17.1	15.3	16.2
4	0.0	0.0	0.0	2.6	1.7	2.2	6.8	5.0	5.9	18.0	15.9	17.0
5	0.2	0.0	0.0	3.7	2.1	2.7	7.8	5.7	6.7	18.7	16.9	17.8
6	0.7	0.1	0.4	3.3	2.8	3.0	8.3	6.1	7.2	19.2	17.2	18.3
7	0.6	0.0	0.4	3.8	2.9	3.3	9.2	7.2	8.2	19.8	18.3	19.1
8	0.8	0.6	0.7	3.8	2.7	3.2	10.7	8.5	9.6	19.4	18.4	18.8
9	0.9	0.0	0.5	5.9	2.5	4.1	13.2	10.3	11.6	19.9	17.9	18.8
10	0.8	0.0	0.4	6.4	3.9	4.8	14.2	12.4	13.2	20.0	19.2	19.8
11	1.1	0.6	0.9	6.2	4.9	5.5	13.7	12.7	13.4	20.0	19.1	19.5
12	1.5	1.0	1.2	6.9	6.2	6.6	12.7	11.0	11.8	19.1	17.4	18.3
13	1.6	0.6	1.1	6.4	5.3	5.9	11.0	8.9	9.8	17.4	15.9	16.4
14	3.1	1.5	2.2	5.7	3.8	4.6	8.9	8.1	8.5	16.8	15.0	15.9
15	3.7	2.4	3.0	3.8	2.8	3.1	8.7	7.9	8.3	17.1	15.5	16.4
16	3.7	3.0	3.3	2.8	2.1	2.4	9.4	8.5	8.9	18.9	16.9	17.8
17	3.0	1.1	2.2	2.5	1.8	2.2	10.9	9.0	9.9	19.2	17.6	18.3
18	2.4	0.5	1.4	2.4	1.5	1.8	10.8	10.2	10.5	18.9	17.5	18.0
19	1.5	0.9	1.2	2.9	1.4	2.0	12.3	10.6	11.3	18.0	17.1	17.6
20	0.9	0.0	0.4	3.1	2.0	2.5	12.2	11.2	11.7	20.2	17.6	18.7
21	0.4	0.0	0.1	3.1	2.1	2.7	12.0	10.4	11.2	22.1	19.8	21.1
22	0.9	0.1	0.5	2.9	2.3	2.7	12.0	10.4	11.3	24.0	21.7	22.8
23	1.6	0.8	1.2	3.9	2.3	3.0	12.0	10.5	11.3	23.6	22.6	23.1
24	2.2	1.5	1.8	4.3	2.8	3.5	12.8	10.9	11.9	22.7	19.0	21.0
25	4.0	1.1	2.3	4.1	3.7	3.9	13.5	11.5	12.6	19.0	17.4	18.1
26	3.0	1.7	2.3	5.8	3.8	4.7	14.0	12.0	13.0	18.5	17.1	17.9
27	3.2	2.4	2.8	6.1	4.9	5.4	14.6	12.3	13.5	18.6	16.9	17.9
28	3.5	2.4	3.0	5.7	5.3	5.4	14.1	13.1	13.8	18.4	17.1	17.5
29	---	---	---	6.6	5.3	5.9	14.0	13.2	13.4	19.7	17.1	18.3
30	---	---	---	8.0	5.1	6.4	14.4	13.2	13.6	20.8	18.4	19.5
31	---	---	---	6.9	6.3	6.5	---	---	---	21.8	19.9	20.9
Month	4.0	0.0	1.2	8.0	1.4	3.8	14.6	5.0	10.4	24.0	13.0	18.4

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	22.8	20.6	21.7	23.0	21.7	22.0	24.8	24.1	24.5	26.6	25.6	26.1
2	22.9	21.8	22.4	22.3	21.6	21.9	25.3	24.0	24.6	26.5	25.6	26.1
3	23.0	21.8	22.4	21.9	21.2	21.5	24.7	23.6	24.1	26.1	24.7	25.5
4	22.7	21.0	21.9	22.4	21.1	21.7	24.5	23.3	24.0	25.0	23.4	24.3
5	22.9	21.0	22.1	24.0	22.1	23.0	24.7	23.1	23.8	24.7	23.8	24.3
6	22.6	20.8	21.6	25.5	23.4	24.4	24.2	23.0	23.6	24.0	22.2	22.8
7	20.8	20.2	20.6	26.3	24.4	25.3	23.8	23.0	23.5	22.3	20.8	21.5
8	20.8	19.9	20.2	26.4	24.9	25.6	24.3	22.6	23.2	22.0	20.9	21.5
9	22.2	19.6	20.9	26.4	25.2	25.8	25.4	23.8	24.5	20.9	19.9	20.4
10	22.0	20.5	21.0	26.3	25.2	25.7	25.2	23.8	24.5	23.0	20.3	21.6
11	20.9	20.3	20.6	26.3	25.0	25.7	24.7	23.4	23.9	24.8	22.6	23.5
12	21.8	19.8	20.8	26.0	24.8	25.3	23.4	21.9	22.6	24.0	23.1	23.5
13	21.6	20.6	21.0	25.6	24.5	25.1	23.0	21.7	22.3	23.3	21.9	22.6
14	20.6	19.5	20.1	26.8	24.9	25.7	22.7	21.6	22.0	21.9	20.2	20.9
15	20.0	18.4	19.3	27.7	25.6	26.6	22.3	20.7	21.5	20.2	19.1	19.7
16	19.4	18.8	19.1	28.5	26.7	27.6	22.5	20.6	21.6	19.8	18.7	19.3
17	19.8	18.1	19.0	29.4	27.3	28.4	22.6	21.0	22.0	18.8	17.5	18.3
18	19.7	18.6	19.2	30.5	28.4	29.4	22.5	21.6	22.0	18.9	17.6	18.3
19	21.2	18.9	19.9	30.6	28.8	29.8	22.4	21.1	21.7	19.2	17.5	18.4
20	22.0	19.8	20.8	30.2	29.0	29.6	23.4	21.6	22.5	20.0	18.2	19.1
21	22.6	20.6	21.7	30.6	28.5	29.6	24.3	22.1	23.3	19.6	18.7	19.2
22	23.5	21.5	22.6	29.9	28.8	29.3	25.5	23.6	24.5	18.8	18.1	18.5
23	25.1	22.9	24.0	29.0	27.9	28.5	24.7	23.8	24.2	18.6	17.3	17.8
24	25.8	24.2	25.0	27.9	26.4	27.0	25.2	23.0	24.0	18.6	16.9	17.6
25	26.1	24.8	25.4	26.4	24.7	25.6	25.6	23.4	24.4	18.2	17.0	17.7
26	25.8	25.0	25.4	26.3	24.6	25.6	25.3	23.6	24.3	18.5	16.8	17.7
27	26.0	24.8	25.3	25.8	24.2	24.8	25.9	24.1	24.9	19.4	17.6	18.4
28	25.6	24.6	25.1	25.0	24.2	24.6	25.5	24.6	25.2	19.1	17.8	18.3
29	24.9	23.4	24.1	25.3	24.0	24.7	26.2	24.1	24.9	18.9	17.4	18.0
30	24.1	23.0	23.4	25.0	23.5	24.4	27.4	25.2	26.0	19.3	17.4	18.1
31	---	---	---	25.2	23.6	24.4	26.8	25.6	26.3	---	---	---
Month	26.1	18.1	21.9	30.6	21.1	25.8	27.4	20.6	23.7	26.6	16.8	20.6

	Max	Min	Mean
Year	30.6	0.0	12.7

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.1	8.0	10.0	10.3	10.0	10.1	---	---	---	---	---	---
2	10.0	7.9	8.8	10.6	10.2	10.4	---	---	---	---	---	---
3	11.2	7.3	8.8	10.9	10.6	10.7	---	---	---	---	---	---
4	10.7	7.3	8.5	11.1	10.8	11.0	---	---	---	---	---	---
5	11.6	7.3	9.0	11.5	11.1	11.3	---	---	---	---	---	---
6	10.2	7.4	8.5	11.8	11.5	11.6	---	---	---	---	---	---
7	11.1	7.8	9.1	12.0	11.6	11.8	---	---	---	---	---	---
8	12.6	8.4	10.2	---	---	---	---	---	---	---	---	---
9	13.1	8.8	10.5	---	---	---	---	---	---	---	---	---
10	12.8	8.1	9.8	---	---	---	---	---	---	---	---	---
11	13.2	8.3	10.2	---	---	---	---	---	---	---	---	---
12	12.7	8.9	10.4	---	---	---	---	---	---	---	---	---
13	14.3	9.6	11.3	---	---	---	---	---	---	---	---	---
14	14.3	8.7	10.7	---	---	---	---	---	---	---	---	---
15	12.9	8.0	10	---	---	---	---	---	---	---	---	---
16	13.6	7.8	10.1	---	---	---	---	---	---	---	---	---
17	15.1	8.7	11.1	---	---	---	---	---	---	---	---	---
18	13.3	8.6	10.5	---	---	---	---	---	---	---	---	---
19	11.5	7.6	9.3	---	---	---	---	---	---	---	---	---
20	9.6	8.4	8.9	---	---	---	---	---	---	---	---	---
21	10.4	9.1	9.6	---	---	---	---	---	---	---	---	---
22	11.1	9.3	10.0	---	---	---	---	---	---	---	---	---
23	10.0	9.4	9.7	---	---	---	---	---	---	---	---	---
24	10.3	9.3	9.7	---	---	---	---	---	---	---	---	---
25	9.7	9.1	9.3	---	---	---	---	---	---	---	---	---
26	9.1	8.8	9.0	---	---	---	---	---	---	---	---	---
27	9.0	8.8	8.9	---	---	---	---	---	---	---	---	---
28	9.1	8.7	8.9	---	---	---	---	---	---	---	---	---
29	9.5	8.8	9.1	---	---	---	---	---	---	---	---	---
30	9.8	9.1	9.4	---	---	---	---	---	---	---	---	---
31	10.0	9.6	9.8	---	---	---	---	---	---	---	---	---
Month	15.1	7.3	9.6	12.0	10.0	11.0	---	---	---	---	---	---

## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	13.9	10.9	12.4
5	---	---	---	---	---	---	---	---	---	13.9	11.0	12.5
6	---	---	---	---	---	---	---	---	---	13.6	10.8	12.3
7	---	---	---	---	---	---	---	---	---	13.4	10.7	12.1
8	---	---	---	---	---	---	---	---	---	11.8	9.9	10.7
9	---	---	---	---	---	---	13.4	11.6	12.4	12.7	9.6	11.1
10	---	---	---	---	---	---	12.2	10.7	11.4	12.9	9.8	11.4
11	---	---	---	---	---	---	10.7	9.8	10.2	11.4	9.3	10.4
12	---	---	---	---	---	---	---	---	---	11.0	9.1	10.1
13	---	---	---	---	---	---	---	---	---	11.6	9.3	10.5
14	---	---	---	---	---	---	---	---	---	12.9	10.2	11.5
15	---	---	---	---	---	---	---	---	---	13.2	10.7	12.0
16	---	---	---	---	---	---	---	---	---	13.6	10.9	12.2
17	---	---	---	---	---	---	---	---	---	13.3	10.9	12.2
18	---	---	---	---	---	---	---	---	---	12.1	10.5	11.4
19	---	---	---	---	---	---	---	---	---	12.1	10.0	11.0
20	---	---	---	---	---	---	---	---	---	12.6	9.8	11.2
21	---	---	---	---	---	---	---	---	---	12.0	10.0	11.0
22	---	---	---	---	---	---	---	---	---	11.3	9.3	10.3
23	---	---	---	---	---	---	---	---	---	10.7	8.2	9.4
24	---	---	---	---	---	---	---	---	---	9.8	7.7	8.9
25	---	---	---	---	---	---	---	---	---	11.0	8.4	9.7
26	---	---	---	---	---	---	---	---	---	11.4	8.7	10.1
27	---	---	---	---	---	---	---	---	---	13.9	9.9	11.8
28	---	---	---	---	---	---	---	---	---	12.7	10.3	11.0
29	---	---	---	---	---	---	---	---	---	12.0	9.0	10.4
30	---	---	---	---	---	---	---	---	---	12.4	9.2	10.8
31	---	---	---	---	---	---	---	---	---	11.7	9.2	10.5
Month	---	---	---	---	---	---	13.4	9.8	11.3	13.9	7.7	11.0



## 01540500 SUSQUEHANNA RIVER AT DANVILLE, PA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	10.2	8.3	8.9	7.5	7.0	7.3	9.9	8.5	9.2	7.9	6.9	7.3
2	8.4	7.6	8.0	7.7	7.5	7.6	9.7	8.4	9.1	7.7	6.9	7.2
3	8.3	7.4	7.8	7.7	7.6	7.6	9.3	8.1	8.7	8.1	7.0	7.5
4	8.3	7.2	7.8	7.7	7.6	7.7	9.3	8.2	8.8	8.4	7.2	7.8
5	8.9	7.5	8.1	7.7	7.6	7.7	9.2	8.4	8.8	7.5	6.9	7.2
6	8.9	7.8	8.4	7.6	7.4	7.5	9.3	8.3	8.7	7.2	7.0	7.1
7	9.1	8.0	8.5	7.4	7.3	7.4	8.7	8.1	8.4	7.6	7.1	7.3
8	10.3	8.2	9.1	7.5	7.3	7.4	9.2	7.9	8.4	7.8	7.5	7.6
9	12.1	9.0	10.5	7.7	7.3	7.5	9.2	8.4	8.7	8.2	7.6	7.9
10	10.7	9.1	9.8	7.9	7.4	7.6	9.7	8.2	8.9	8.4	7.8	8.1
11	9.4	8.3	9.0	7.7	7.4	7.5	9.1	6.7	8.0	8.4	7.8	8.0
12	9.8	8.4	9.1	7.7	7.3	7.5	6.9	6.7	6.8	8.0	7.6	7.8
13	9.1	8.3	8.7	7.8	7.5	7.6	7.3	6.9	7.1	8.3	7.5	7.9
14	8.6	8.1	8.2	8.3	7.6	7.9	7.6	7.2	7.4	7.9	7.5	7.7
15	8.5	8.1	8.3	8.7	7.7	8.2	7.8	7.4	7.6	8.5	7.7	8.1
16	8.4	8.3	8.3	9.5	7.8	8.6	8.1	7.6	7.9	8.4	8.2	8.3
17	8.4	8.3	8.4	10.2	8.1	9.0	8.5	8.0	8.2	8.7	8.3	8.5
18	8.4	8.2	8.3	9.9	8.0	8.9	8.4	8.1	8.2	9.2	8.6	8.9
19	8.4	8.2	8.3	11.7	7.7	9.3	8.8	8.1	8.4	9.4	8.8	9.1
20	8.7	8.1	8.4	9.9	7.8	9.0	9.0	8.4	8.7	9.5	8.8	9.1
21	9.2	8.3	8.7	10.7	7.6	8.9	8.8	7.9	8.5	9.0	8.7	8.8
22	10.4	8.5	9.4	8.8	7.4	7.9	8.8	8.1	8.4	9.3	8.6	8.9
23	12.3	8.8	10.4	8.4	6.8	7.5	8.7	8.0	8.3	9.6	8.9	9.2
24	12.6	9.2	11.0	8.3	7.1	7.6	9.0	8.2	8.6	9.9	9.0	9.4
25	12.4	9.3	11.0	9.8	7.5	8.5	8.7	8.0	8.4	9.9	9.1	9.4
26	12.0	8.7	10.3	11.2	7.6	9.0	8.3	7.7	8.0	10.2	9.1	9.6
27	10.9	8.7	9.7	10.9	8.5	9.3	8.3	7.5	7.8	10.3	9.2	9.7
28	9.0	7.2	8.0	8.9	7.8	8.3	7.6	7.1	7.3	10.3	9.3	9.7
29	7.4	6.4	6.8	9.5	7.9	8.7	8.2	7.1	7.5	10.5	9.3	9.8
30	7.2	6.9	7.1	10.2	8.4	9.3	8.2	7.2	7.6	10.7	9.3	9.9
31	---	---	---	10.8	8.6	9.6	8.0	7.0	7.4	---	---	---
Month	12.6	6.4	8.8	11.7	6.8	8.2	9.9	6.7	8.2	10.7	6.9	8.4