

Water-Data Report 2012

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY

Upper Hudson Basin
Hudson-Wappinger Subbasin

LOCATION.--Lat 41°23'10", long 73°57'20" referenced to North American Datum of 1927, Orange County, NY, Hydrologic Unit 02020008, on right bank at South Dock at West Point. Water-quality sampling site at elevation station.

DRAINAGE AREA.--12,596 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1991 to February 2012 (discontinued). Records for June 1989 to September 1991 are unpublished and available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Prior to October 2002 published as maximum, minimum, and mean elevation. Elevations are not corrected for changes in water density. Blanks in tables are the result of only one high or low tide during a day. Satellite and telephone elevation, temperature, and specific conductance telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.65 ft, Aug. 28, 2011; minimum elevation, -4.26 ft, Mar. 14, 1993.

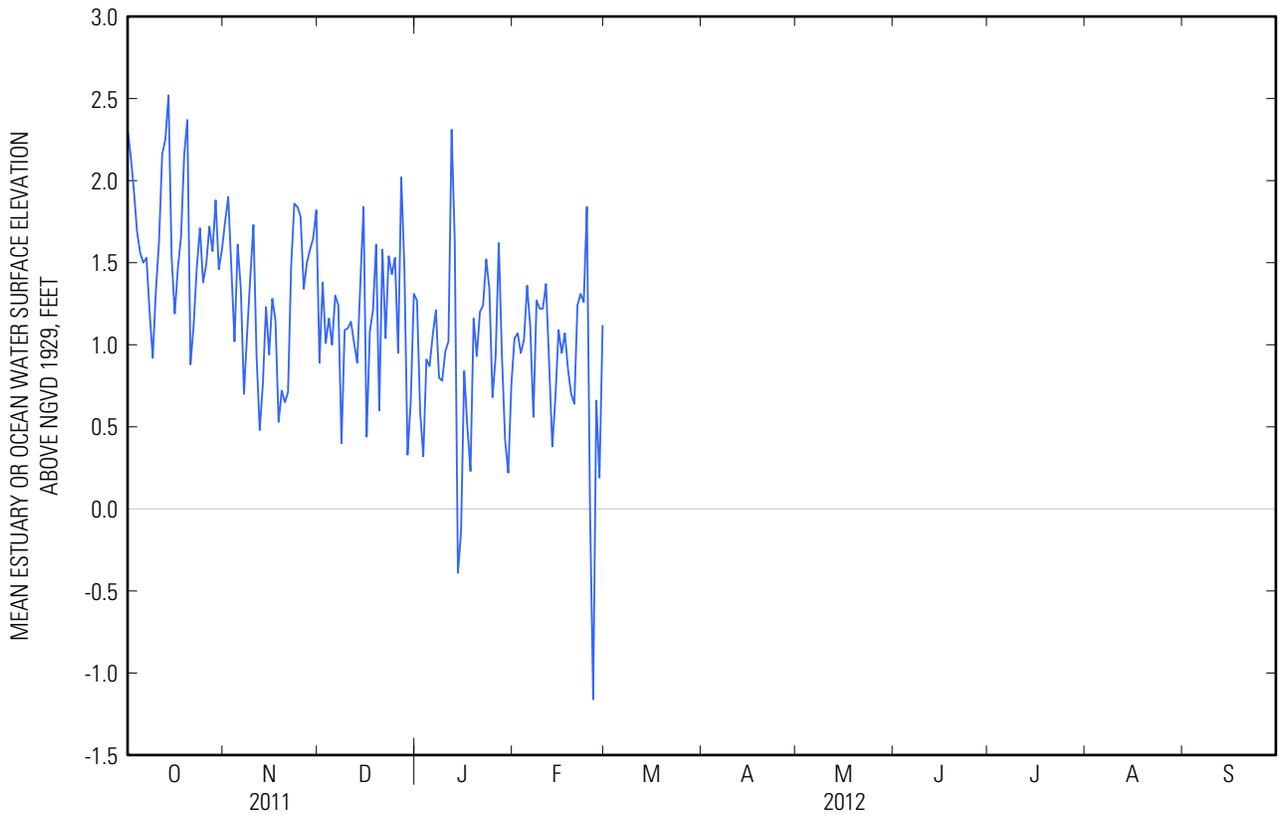
EXTREMES FOR CURRENT YEAR.--(October to February) Maximum elevation, 4.69 ft, Jan. 12; minimum elevation, -2.95 ft, Feb. 26.

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.31	1.75	0.89	1.27	1.04	---	---	---	---	---	---	---
2	2.15	1.90	1.38	0.59	1.07	---	---	---	---	---	---	---
3	1.94	1.46	1.01	0.32	0.95	---	---	---	---	---	---	---
4	1.69	1.02	1.16	0.91	1.03	---	---	---	---	---	---	---
5	1.56	1.61	1.00	0.87	1.36	---	---	---	---	---	---	---
6	1.50	1.34	1.30	1.06	1.11	---	---	---	---	---	---	---
7	1.53	0.70	1.24	1.21	0.56	---	---	---	---	---	---	---
8	1.20	1.07	0.40	0.80	1.27	---	---	---	---	---	---	---
9	0.92	1.41	1.09	0.78	1.22	---	---	---	---	---	---	---
10	1.33	1.73	1.10	0.96	1.22	---	---	---	---	---	---	---
11	1.63	0.93	1.14	1.02	1.37	---	---	---	---	---	---	---
12	2.16	0.48	1.01	2.31	0.89	---	---	---	---	---	---	---
13	2.25	0.76	0.89	1.63	0.38	---	---	---	---	---	---	---
14	2.52	1.23	1.38	-0.39	0.68	---	---	---	---	---	---	---
15	1.53	0.94	1.84	-0.14	1.09	---	---	---	---	---	---	---
16	1.19	1.28	0.44	0.84	0.95	---	---	---	---	---	---	---
17	1.47	1.15	1.08	0.50	1.07	---	---	---	---	---	---	---
18	1.66	0.53	1.21	0.23	0.85	---	---	---	---	---	---	---
19	2.16	0.72	1.61	1.16	0.70	---	---	---	---	---	---	---
20	2.37	0.65	0.60	0.93	0.64	---	---	---	---	---	---	---
21	0.88	0.71	1.58	1.20	1.24	---	---	---	---	---	---	---
22	1.12	1.48	1.04	1.24	1.31	---	---	---	---	---	---	---
23	1.47	1.86	1.54	1.52	1.26	---	---	---	---	---	---	---
24	1.71	1.84	1.43	1.34	1.84	---	---	---	---	---	---	---
25	1.38	1.78	1.53	0.68	-0.01	---	---	---	---	---	---	---
26	1.49	1.34	0.95	0.93	-1.16	---	---	---	---	---	---	---
27	1.72	1.50	2.02	1.62	0.66	---	---	---	---	---	---	---
28	1.57	1.58	1.46	0.93	0.19	---	---	---	---	---	---	---
29	1.88	1.65	0.33	0.42	1.12	---	---	---	---	---	---	---
30	1.46	1.82	0.65	0.22	---	---	---	---	---	---	---	---
31	1.58	---	1.31	0.76	---	---	---	---	---	---	---	---
Mean	1.66	1.27	1.15	0.89	0.89	---	---	---	---	---	---	---
Max	2.52	1.90	2.02	2.31	1.84	---	---	---	---	---	---	---
Min	0.88	0.48	0.33	-0.39	-1.16	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

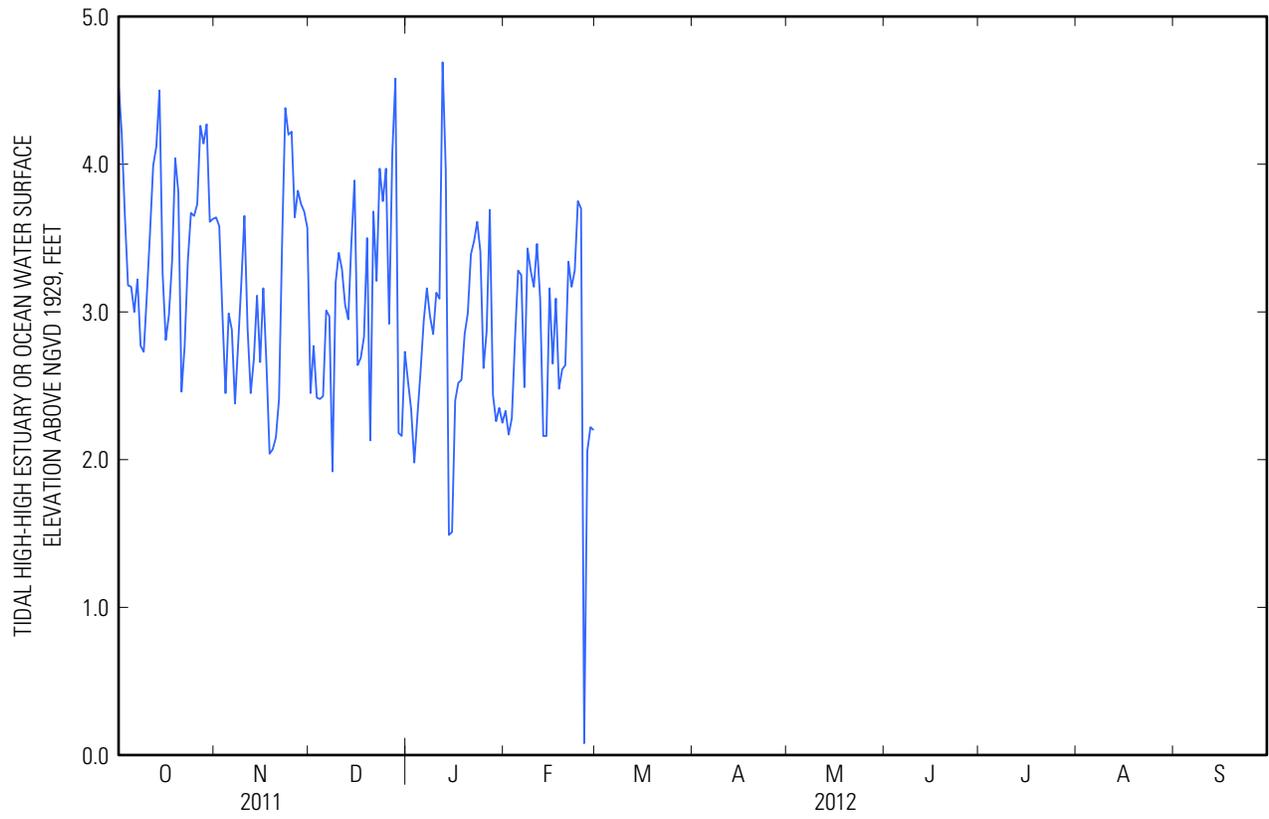


01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY TIDAL HIGH-HIGH VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.54	3.64	2.45	2.53	2.33	---	---	---	---	---	---	---
2	4.21	3.58	2.77	2.34	2.17	---	---	---	---	---	---	---
3	3.65	2.99	2.42	1.98	2.28	---	---	---	---	---	---	---
4	3.18	2.45	2.41	2.30	2.81	---	---	---	---	---	---	---
5	3.17	2.99	2.43	2.60	3.28	---	---	---	---	---	---	---
6	3.00	2.88	3.01	2.94	3.25	---	---	---	---	---	---	---
7	3.22	2.38	2.97	3.16	2.49	---	---	---	---	---	---	---
8	2.77	2.78	1.92	2.97	3.43	---	---	---	---	---	---	---
9	2.73	3.19	3.20	2.85	3.28	---	---	---	---	---	---	---
10	3.12	3.65	3.40	3.13	3.17	---	---	---	---	---	---	---
11	3.54	2.89	3.29	3.09	3.46	---	---	---	---	---	---	---
12	3.99	2.45	3.05	4.69	3.09	---	---	---	---	---	---	---
13	4.12	2.68	2.95	3.96	2.16	---	---	---	---	---	---	---
14	4.50	3.11	3.47	1.49	2.16	---	---	---	---	---	---	---
15	3.26	2.66	3.89	1.51	3.16	---	---	---	---	---	---	---
16	2.81	3.16	2.64	2.40	2.65	---	---	---	---	---	---	---
17	2.98	2.65	2.69	2.52	3.09	---	---	---	---	---	---	---
18	3.34	2.04	2.83	2.54	2.48	---	---	---	---	---	---	---
19	4.04	2.07	3.50	2.85	2.61	---	---	---	---	---	---	---
20	3.81	2.15	2.13	2.99	2.64	---	---	---	---	---	---	---
21	2.46	2.41	3.68	3.39	3.34	---	---	---	---	---	---	---
22	2.77	3.49	3.21	3.48	3.17	---	---	---	---	---	---	---
23	3.34	4.38	3.97	3.61	3.28	---	---	---	---	---	---	---
24	3.67	4.20	3.75	3.41	3.75	---	---	---	---	---	---	---
25	3.65	4.22	3.97	2.62	3.70	---	---	---	---	---	---	---
26	3.73	3.64	2.92	2.87	0.08	---	---	---	---	---	---	---
27	4.26	3.82	4.07	3.69	2.06	---	---	---	---	---	---	---
28	4.14	3.73	4.58	2.44	2.22	---	---	---	---	---	---	---
29	4.27	3.68	2.18	2.26	2.20	---	---	---	---	---	---	---
30	3.61	3.57	2.16	2.35	---	---	---	---	---	---	---	---
31	3.63	---	2.73	2.25	---	---	---	---	---	---	---	---
Mean	3.53	3.12	3.05	2.81	2.75	---	---	---	---	---	---	---
Max	4.54	4.38	4.58	4.69	3.75	---	---	---	---	---	---	---
Min	2.46	2.04	1.92	1.49	0.08	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

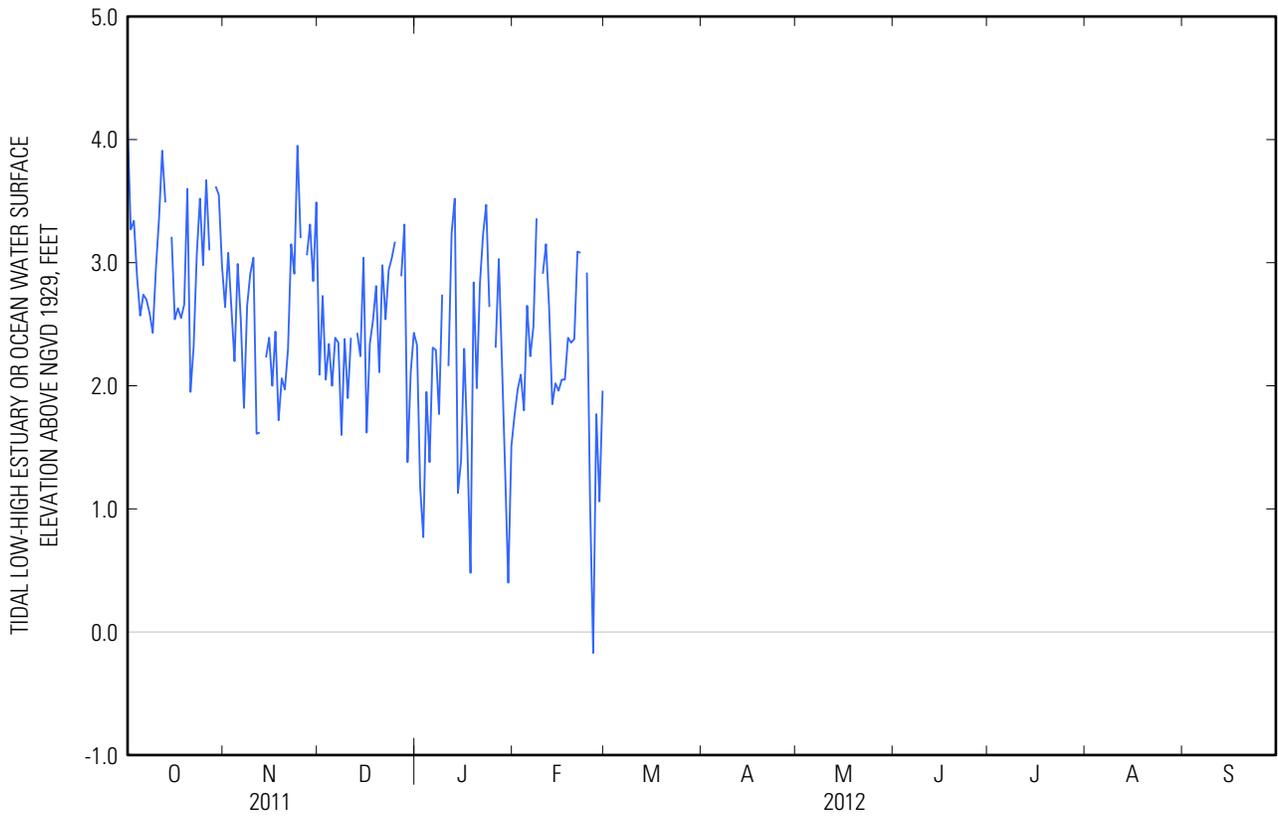


01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY TIDAL LOW-HIGH VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.12	2.64	2.09	2.33	1.76	---	---	---	---	---	---	---
2	3.27	3.08	2.73	1.18	1.97	---	---	---	---	---	---	---
3	3.34	2.63	2.05	0.77	2.09	---	---	---	---	---	---	---
4	2.89	2.20	2.34	1.95	1.80	---	---	---	---	---	---	---
5	2.57	2.99	2.00	1.38	2.65	---	---	---	---	---	---	---
6	2.74	2.53	2.39	2.31	2.24	---	---	---	---	---	---	---
7	2.70	1.82	2.35	2.29	2.48	---	---	---	---	---	---	---
8	2.59	2.65	1.60	1.77	3.36	---	---	---	---	---	---	---
9	2.43	2.91	2.38	2.74	---	---	---	---	---	---	---	---
10	2.95	3.04	1.90	---	2.91	---	---	---	---	---	---	---
11	3.36	1.61	2.39	2.16	3.15	---	---	---	---	---	---	---
12	3.91	1.62	---	3.24	2.63	---	---	---	---	---	---	---
13	3.49	---	2.43	3.52	1.85	---	---	---	---	---	---	---
14	---	2.23	2.24	1.13	2.02	---	---	---	---	---	---	---
15	3.21	2.39	3.04	1.39	1.96	---	---	---	---	---	---	---
16	2.54	2.00	1.62	2.30	2.05	---	---	---	---	---	---	---
17	2.63	2.44	2.34	1.52	2.05	---	---	---	---	---	---	---
18	2.55	1.72	2.53	0.48	2.39	---	---	---	---	---	---	---
19	2.66	2.06	2.81	2.84	2.35	---	---	---	---	---	---	---
20	3.60	1.97	2.11	1.98	2.38	---	---	---	---	---	---	---
21	1.95	2.30	2.98	2.83	3.09	---	---	---	---	---	---	---
22	2.32	3.15	2.54	3.23	3.08	---	---	---	---	---	---	---
23	3.07	2.91	2.94	3.47	---	---	---	---	---	---	---	---
24	3.52	3.95	3.04	2.64	2.92	---	---	---	---	---	---	---
25	2.98	3.20	3.17	---	1.07	---	---	---	---	---	---	---
26	3.67	---	---	2.31	-0.17	---	---	---	---	---	---	---
27	3.10	3.06	2.89	3.03	1.77	---	---	---	---	---	---	---
28	---	3.31	3.31	2.19	1.06	---	---	---	---	---	---	---
29	3.62	2.85	1.38	1.32	1.96	---	---	---	---	---	---	---
30	3.55	3.49	2.11	0.40	---	---	---	---	---	---	---	---
31	2.98	---	2.43	1.51	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

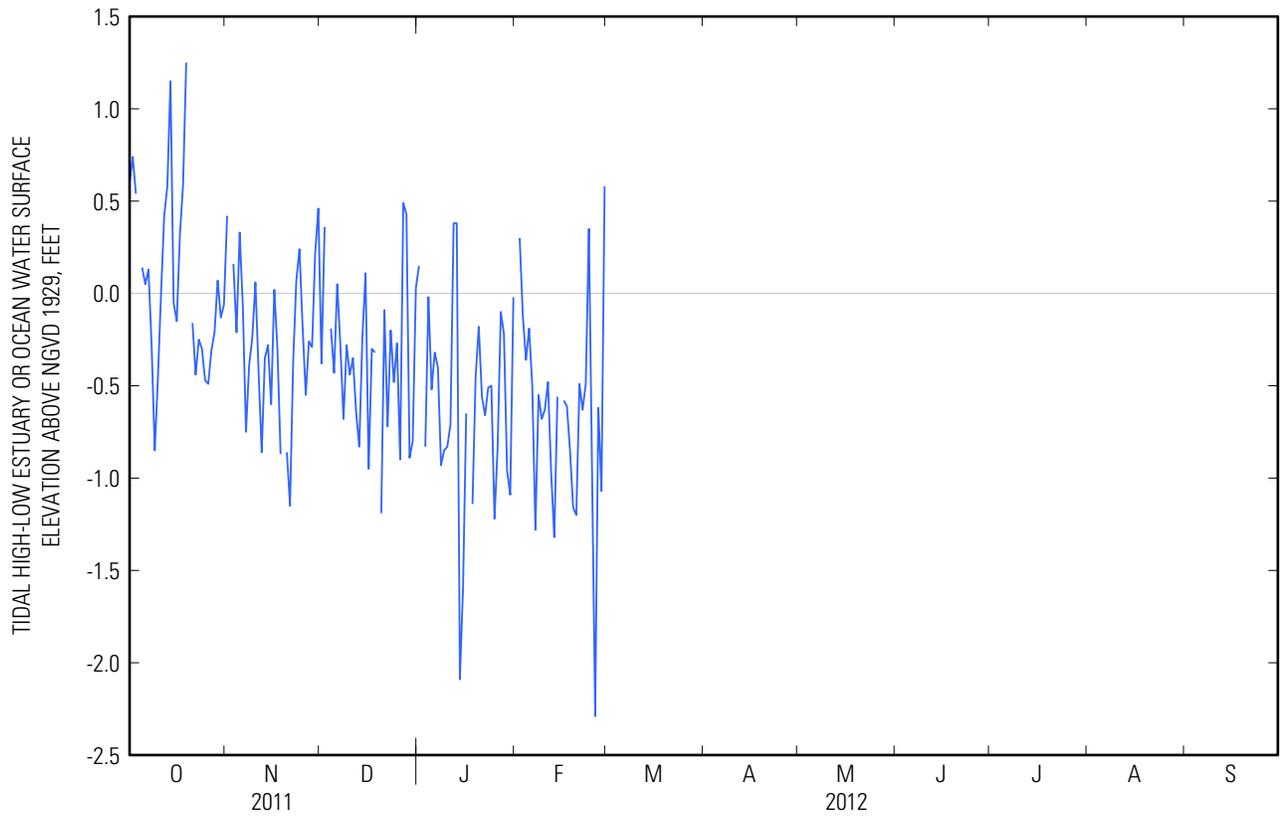


01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

 ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
 DAILY TIDAL HIGH-LOW VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.60	0.42	-0.38	0.15	---	---	---	---	---	---	---	---
2	0.74	---	0.36	---	0.30	---	---	---	---	---	---	---
3	0.54	0.16	---	-0.83	-0.12	---	---	---	---	---	---	---
4	---	-0.21	-0.19	-0.02	-0.36	---	---	---	---	---	---	---
5	0.14	0.33	-0.43	-0.52	-0.19	---	---	---	---	---	---	---
6	0.05	-0.07	0.05	-0.32	-0.50	---	---	---	---	---	---	---
7	0.13	-0.75	-0.28	-0.40	-1.28	---	---	---	---	---	---	---
8	-0.28	-0.39	-0.68	-0.93	-0.55	---	---	---	---	---	---	---
9	-0.85	-0.24	-0.28	-0.85	-0.68	---	---	---	---	---	---	---
10	-0.46	0.06	-0.44	-0.83	-0.63	---	---	---	---	---	---	---
11	0.00	-0.42	-0.35	-0.71	-0.48	---	---	---	---	---	---	---
12	0.42	-0.86	-0.64	0.38	-0.97	---	---	---	---	---	---	---
13	0.58	-0.35	-0.83	0.38	-1.32	---	---	---	---	---	---	---
14	1.15	-0.28	-0.24	-2.09	-0.56	---	---	---	---	---	---	---
15	-0.05	-0.60	0.11	-1.59	---	---	---	---	---	---	---	---
16	-0.15	0.02	-0.95	-0.65	-0.58	---	---	---	---	---	---	---
17	0.32	-0.30	-0.30	---	-0.61	---	---	---	---	---	---	---
18	0.59	-0.87	-0.32	-1.14	-0.85	---	---	---	---	---	---	---
19	1.25	---	---	-0.45	-1.16	---	---	---	---	---	---	---
20	---	-0.86	-1.19	-0.18	-1.20	---	---	---	---	---	---	---
21	-0.16	-1.15	-0.09	-0.56	-0.49	---	---	---	---	---	---	---
22	-0.44	-0.37	-0.72	-0.66	-0.63	---	---	---	---	---	---	---
23	-0.25	0.07	-0.20	-0.51	-0.49	---	---	---	---	---	---	---
24	-0.30	0.24	-0.48	-0.50	0.35	---	---	---	---	---	---	---
25	-0.47	-0.18	-0.27	-1.22	-0.96	---	---	---	---	---	---	---
26	-0.49	-0.55	-0.90	-0.83	-2.29	---	---	---	---	---	---	---
27	-0.31	-0.26	0.49	-0.10	-0.62	---	---	---	---	---	---	---
28	-0.21	-0.29	0.43	-0.22	-1.07	---	---	---	---	---	---	---
29	0.07	0.22	-0.89	-0.96	0.58	---	---	---	---	---	---	---
30	-0.13	0.46	-0.80	-1.09	---	---	---	---	---	---	---	---
31	-0.06	---	0.03	-0.02	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

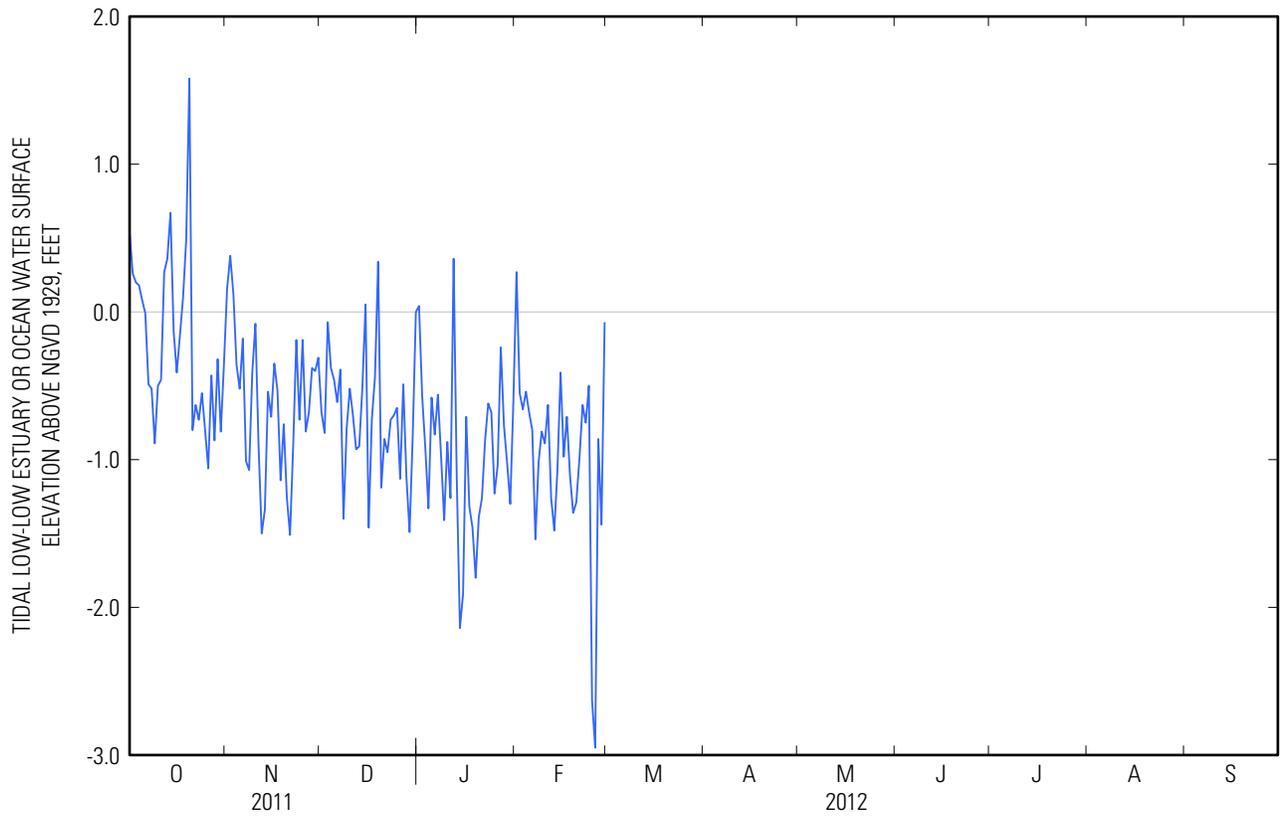


01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY TIDAL LOW-LOW VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.54	0.16	-0.68	0.04	0.27	---	---	---	---	---	---	---
2	0.26	0.38	-0.82	-0.57	-0.55	---	---	---	---	---	---	---
3	0.20	0.12	-0.07	-0.92	-0.66	---	---	---	---	---	---	---
4	0.18	-0.36	-0.38	-1.33	-0.54	---	---	---	---	---	---	---
5	0.08	-0.52	-0.46	-0.58	-0.68	---	---	---	---	---	---	---
6	-0.01	-0.18	-0.61	-0.83	-0.80	---	---	---	---	---	---	---
7	-0.49	-1.01	-0.39	-0.56	-1.54	---	---	---	---	---	---	---
8	-0.52	-1.07	-1.40	-0.97	-1.02	---	---	---	---	---	---	---
9	-0.89	-0.41	-0.79	-1.41	-0.81	---	---	---	---	---	---	---
10	-0.50	-0.08	-0.52	-0.88	-0.89	---	---	---	---	---	---	---
11	-0.46	-0.91	-0.70	-1.26	-0.63	---	---	---	---	---	---	---
12	0.27	-1.50	-0.93	0.36	-1.26	---	---	---	---	---	---	---
13	0.36	-1.34	-0.91	-1.13	-1.48	---	---	---	---	---	---	---
14	0.67	-0.54	-0.51	-2.14	-1.07	---	---	---	---	---	---	---
15	-0.13	-0.71	0.05	-1.91	-0.41	---	---	---	---	---	---	---
16	-0.41	-0.35	-1.46	-0.71	-0.98	---	---	---	---	---	---	---
17	-0.16	-0.53	-0.73	-1.32	-0.71	---	---	---	---	---	---	---
18	0.10	-1.14	-0.44	-1.46	-1.11	---	---	---	---	---	---	---
19	0.49	-0.76	0.34	-1.80	-1.36	---	---	---	---	---	---	---
20	1.58	-1.26	-1.19	-1.39	-1.29	---	---	---	---	---	---	---
21	-0.80	-1.51	-0.86	-1.26	-0.99	---	---	---	---	---	---	---
22	-0.63	-0.91	-0.95	-0.87	-0.63	---	---	---	---	---	---	---
23	-0.73	-0.19	-0.73	-0.62	-0.75	---	---	---	---	---	---	---
24	-0.55	-0.73	-0.70	-0.68	-0.50	---	---	---	---	---	---	---
25	-0.80	-0.19	-0.65	-1.23	-2.63	---	---	---	---	---	---	---
26	-1.06	-0.81	-1.13	-1.04	-2.95	---	---	---	---	---	---	---
27	-0.43	-0.68	-0.49	-0.24	-0.86	---	---	---	---	---	---	---
28	-0.87	-0.38	-1.12	-0.77	-1.44	---	---	---	---	---	---	---
29	-0.32	-0.40	-1.49	-1.02	-0.07	---	---	---	---	---	---	---
30	-0.81	-0.31	-0.84	-1.30	---	---	---	---	---	---	---	---
31	-0.35	---	0.00	-0.60	---	---	---	---	---	---	---	---
Mean	-0.20	-0.60	-0.70	-0.98	-0.98	---	---	---	---	---	---	---
Max	1.58	0.38	0.34	0.36	0.27	---	---	---	---	---	---	---
Min	-1.06	-1.51	-1.49	-2.14	-2.95	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued



01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1991 to February 2012 (discontinued). Records for February 1990 to September 1991 are unpublished and available in files of the Geological Survey.

WATER TEMPERATURE: October 1991 to February 2012 (discontinued). Records for February 1990 to September 1991 are unpublished and available in files of the Geological Survey.

INSTRUMENTATION.--Water-temperature and specific-conductance satellite and telephone telemeter provides 15-minute-interval readings.

REMARKS.--Temperature readings prior to Oct. 1, 2007, rounded to nearest 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 12,600 $\mu\text{S}/\text{cm}$, Sept. 23, 1995; minimum, 102 $\mu\text{S}/\text{cm}$, May 30, 1996.

WATER TEMPERATURE: Prior to Oct. 1, 2007--Maximum, 29.0°C, Aug. 12, 13, 14, 2005; minimum, 0.0°C on many days during winter periods, except 1998, 2002.

WATER TEMPERATURE: After Oct. 1, 2007--Maximum, 28.2°C, July 24, 27, 2010; minimum, -0.2°C on many days during 2009 winter period.

EXTREMES FOR CURRENT YEAR.--(October to February)

SPECIFIC CONDUCTANCE: Maximum, 1,480 $\mu\text{S}/\text{cm}$, Feb. 8; minimum, 180 $\mu\text{S}/\text{cm}$, Dec. 20.

WATER TEMPERATURE: Maximum, 19.5°C, Oct. 1; minimum, 0.5°C, Jan. 22.

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	220	216	218	223	217	219	209	206	207	202	199	200
2	220	215	218	225	221	222	207	205	206	202	196	199
3	216	202	211	226	224	224	207	203	205	198	194	196
4	204	195	200	225	221	222	206	204	205	197	193	195
5	201	194	196	222	220	221	207	204	205	196	194	195
6	199	196	196	222	220	221	206	204	205	425	191	224
7	198	194	196	222	216	219	206	201	204	889	192	257
8	196	193	194	220	214	217	212	204	207	557	194	240
9	196	194	194	219	215	216	210	207	209	654	197	269
10	197	194	195	225	215	217	210	204	208	510	201	273
11	199	195	197	218	214	216	207	200	203	339	198	225
12	200	196	198	220	212	215	202	196	199	637	210	304
13	203	197	200	222	211	214	199	195	197	323	192	233
14	205	200	202	220	211	213	197	194	196	196	190	192
15	211	204	208	214	210	212	197	193	195	195	191	193
16	214	210	211	213	210	211	195	189	191	195	190	194
17	214	211	212	213	210	211	191	187	190	197	194	195
18	215	212	212	215	212	213	190	185	187	196	194	195
19	214	212	212	216	212	214	189	184	185	197	195	196
20	220	212	213	217	214	216	184	180	182	198	196	197
21	218	213	216	221	216	218	185	182	183	199	197	198
22	220	217	219	221	218	220	187	183	185	200	197	198
23	222	218	220	225	219	221	190	185	188	204	197	199
24	222	220	220	222	216	219	191	188	189	203	198	199
25	221	217	219	218	213	216	191	189	190	203	198	200
26	220	216	218	215	211	212	193	190	191	205	200	202
27	219	215	216	214	210	211	193	189	191	206	201	203
28	217	212	214	213	210	211	194	190	192	207	202	204
29	218	212	214	213	209	210	196	192	194	203	200	202
30	216	212	213	211	206	210	199	194	196	205	201	202
31	219	213	215	---	---	---	202	196	198	207	202	204
Month	222	193	209	226	206	216	212	180	196	889	190	212

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	210	204	207	---	---	---	---	---	---	---	---	---
2	217	208	213	---	---	---	---	---	---	---	---	---
3	224	217	221	---	---	---	---	---	---	---	---	---
4	229	221	225	---	---	---	---	---	---	---	---	---
5	950	227	384	---	---	---	---	---	---	---	---	---
6	1,300	235	451	---	---	---	---	---	---	---	---	---
7	943	231	391	---	---	---	---	---	---	---	---	---
8	1,480	242	586	---	---	---	---	---	---	---	---	---
9	951	252	471	---	---	---	---	---	---	---	---	---
10	555	249	352	---	---	---	---	---	---	---	---	---
11	431	256	319	---	---	---	---	---	---	---	---	---
12	325	247	269	---	---	---	---	---	---	---	---	---
13	275	244	253	---	---	---	---	---	---	---	---	---
14	261	244	250	---	---	---	---	---	---	---	---	---
15	287	244	253	---	---	---	---	---	---	---	---	---
16	254	243	247	---	---	---	---	---	---	---	---	---
17	262	243	247	---	---	---	---	---	---	---	---	---
18	248	242	244	---	---	---	---	---	---	---	---	---
19	248	240	242	---	---	---	---	---	---	---	---	---
20	246	239	241	---	---	---	---	---	---	---	---	---
21	264	239	244	---	---	---	---	---	---	---	---	---
22	278	239	248	---	---	---	---	---	---	---	---	---
23	264	237	246	---	---	---	---	---	---	---	---	---
24	302	239	253	---	---	---	---	---	---	---	---	---
25	265	233	242	---	---	---	---	---	---	---	---	---
26	236	234	235	---	---	---	---	---	---	---	---	---
27	240	235	237	---	---	---	---	---	---	---	---	---
28	238	236	237	---	---	---	---	---	---	---	---	---
29	245	237	238	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	1,480	204	284	---	---	---	---	---	---	---	---	---

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.5	19.1	19.3	12.4	12.2	12.3	7.8	7.5	7.7	3.3	3.1	3.2
2	19.1	18.8	19.0	12.3	12.1	12.2	7.6	7.2	7.5	3.4	3.2	3.3
3	18.8	18.5	18.7	12.1	11.9	12.0	7.3	7.1	7.2	3.3	2.8	3.1
4	18.5	18.2	18.3	11.9	11.5	11.8	7.2	6.9	7.0	3.0	2.6	2.8
5	18.5	17.9	18.1	11.7	11.3	11.5	7.1	6.9	7.0	2.8	2.4	2.6
6	18.3	17.8	18.0	11.4	11.0	11.2	7.1	7.0	7.1	2.8	2.3	2.5
7	18.1	17.7	17.8	11.5	10.7	10.9	7.2	7.1	7.2	2.8	2.3	2.4
8	18.1	17.6	17.7	11.2	10.5	10.7	7.2	6.7	7.0	2.6	2.3	2.4
9	18.2	17.5	17.7	11.0	10.5	10.7	6.8	6.4	6.6	2.7	2.3	2.4
10	18.0	17.6	17.7	11.1	10.5	10.7	6.4	6.0	6.3	2.6	2.3	2.4
11	18.1	17.7	17.8	10.6	10.2	10.4	6.2	6.0	6.0	2.5	2.3	2.4
12	17.9	17.8	17.8	10.4	9.9	10.1	6.0	5.8	5.9	2.7	2.4	2.5
13	17.8	17.6	17.7	10.3	9.7	9.9	5.8	5.6	5.7	2.5	2.3	2.5
14	17.9	17.6	17.7	10.1	9.6	9.8	5.7	5.5	5.6	2.3	1.9	2.2
15	17.6	17.1	17.4	9.8	9.4	9.6	5.7	5.6	5.6	2.0	1.4	1.8
16	17.1	16.6	16.9	9.7	9.4	9.5	5.9	5.7	5.8	1.8	1.4	1.6
17	16.8	16.3	16.6	9.4	9.1	9.3	5.7	5.5	5.7	1.6	1.3	1.4
18	16.5	16.1	16.3	9.1	8.8	9.0	5.5	5.0	5.3	1.4	1.0	1.3
19	16.2	16.0	16.1	8.9	8.6	8.8	5.3	4.8	5.0	1.4	1.1	1.2
20	16.2	15.8	16.0	8.9	8.5	8.6	4.8	4.4	4.6	1.3	1.0	1.1
21	15.9	15.7	15.8	8.7	8.4	8.5	4.9	4.4	4.6	1.1	0.7	0.9
22	15.9	15.6	15.7	8.8	8.3	8.4	4.6	4.3	4.5	1.0	0.5	0.7
23	15.8	15.4	15.5	8.6	8.0	8.3	4.6	4.2	4.4	0.9	0.6	0.7
24	15.5	15.2	15.3	8.2	7.8	7.9	4.3	4.0	4.1	0.9	0.7	0.8
25	15.4	14.9	15.1	8.2	7.8	7.9	4.1	3.8	3.9	1.0	0.8	0.9
26	15.3	14.7	14.9	8.0	7.8	7.9	3.9	3.6	3.7	1.0	0.9	1.0
27	15.0	14.2	14.6	7.9	7.7	7.8	3.8	3.5	3.6	1.1	1.0	1.0
28	14.5	13.9	14.1	7.9	7.8	7.8	3.8	3.4	3.6	1.2	0.8	1.0
29	14.0	13.0	13.6	8.0	7.8	7.9	3.4	3.1	3.3	0.9	0.6	0.8
30	13.2	12.5	12.8	8.0	7.8	7.9	3.2	3.0	3.1	0.7	0.6	0.7
31	12.6	12.3	12.5	---	---	---	3.2	3.0	3.1	0.8	0.6	0.7
Month	19.5	12.3	16.5	12.4	7.7	9.6	7.8	3.0	5.4	3.4	0.5	1.8

01374019 HUDSON RIVER AT SOUTH DOCK AT WEST POINT, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.9	0.7	0.8	---	---	---	---	---	---	---	---	---
2	1.0	0.9	1.0	---	---	---	---	---	---	---	---	---
3	1.2	1.0	1.1	---	---	---	---	---	---	---	---	---
4	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
5	1.6	1.1	1.2	---	---	---	---	---	---	---	---	---
6	1.7	1.1	1.3	---	---	---	---	---	---	---	---	---
7	1.7	1.3	1.4	---	---	---	---	---	---	---	---	---
8	1.8	1.4	1.5	---	---	---	---	---	---	---	---	---
9	2.0	1.5	1.6	---	---	---	---	---	---	---	---	---
10	1.7	1.5	1.6	---	---	---	---	---	---	---	---	---
11	1.8	1.6	1.7	---	---	---	---	---	---	---	---	---
12	1.7	1.4	1.6	---	---	---	---	---	---	---	---	---
13	1.8	1.4	1.5	---	---	---	---	---	---	---	---	---
14	1.6	1.5	1.6	---	---	---	---	---	---	---	---	---
15	1.7	1.6	1.7	---	---	---	---	---	---	---	---	---
16	1.8	1.6	1.7	---	---	---	---	---	---	---	---	---
17	2.1	1.7	1.9	---	---	---	---	---	---	---	---	---
18	2.2	1.9	2.1	---	---	---	---	---	---	---	---	---
19	2.5	2.1	2.3	---	---	---	---	---	---	---	---	---
20	2.6	2.2	2.4	---	---	---	---	---	---	---	---	---
21	2.5	2.3	2.4	---	---	---	---	---	---	---	---	---
22	2.8	2.4	2.6	---	---	---	---	---	---	---	---	---
23	3.0	2.6	2.8	---	---	---	---	---	---	---	---	---
24	2.9	2.7	2.9	---	---	---	---	---	---	---	---	---
25	3.1	2.6	2.8	---	---	---	---	---	---	---	---	---
26	3.0	2.5	2.7	---	---	---	---	---	---	---	---	---
27	3.1	2.6	2.8	---	---	---	---	---	---	---	---	---
28	3.0	2.7	2.8	---	---	---	---	---	---	---	---	---
29	2.9	2.8	2.8	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	3.1	0.7	1.9	---	---	---	---	---	---	---	---	---