Water-Data Report 2011

01310521 HUDSON BAY AT FREEPORT, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°37′39″, long 73°34′33″ referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at Town of Hempstead Guy Lombardo Marina, in Freeport.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1999 to current year. January 1975 to November 1993, in files of Town of Hempstead Department of Conservation & Waterways.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. January 1975 to November 1993, water-stage recorder at site 1,100 ft west.

REMARKS.--Records fair, except those for Oct. 1 to Jan. 16, and those estimated from reconstructed graph for Nov. 27-30, and Dec. 22, which are poor. Satellite and telephone elevation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.35 ft, Aug. 28, 2011; minimum elevation, about -3.9 ft, Mar. 9, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tides of Oct. 31, 1991, and Dec. 11, 1992, reached elevations of 7.0 and 7.2 ft, respectively, from information provided by Town of Hempstead Department of Conservation & Waterways. Minimum elevation recorded, -4.4 ft, Mar. 16, 1980, from information provided by Town of Hempstead Department of Conservation & Waterways.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.35 ft, Aug. 28; minimum elevation, -2.92 ft, Feb. 19.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01310521, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01310521.2011.pdf

01310521 HUDSON BAY AT FREEPORT, NY—Continued

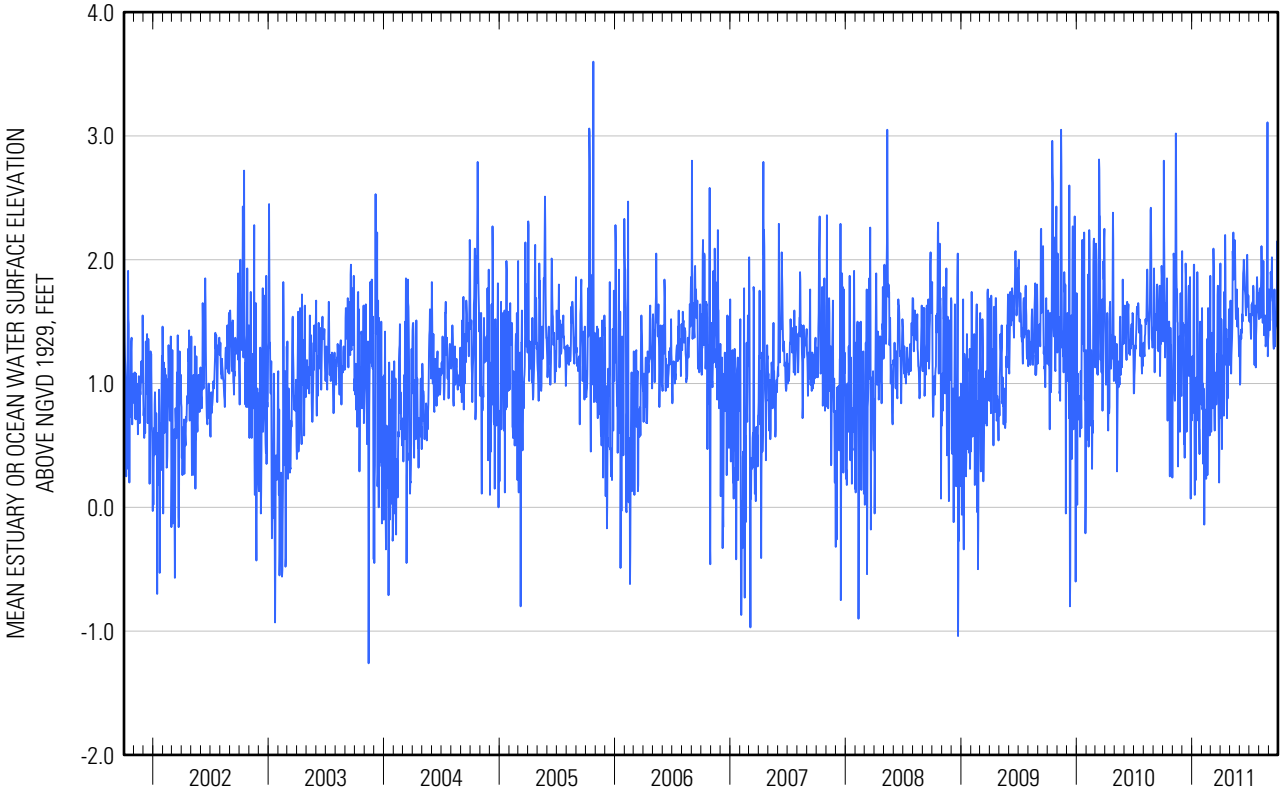
ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.78	0.86	2.07	1.07	1.31	0.98	1.97	1.25	1.38	1.53	1.52	1.55
2	1.34	0.94	1.16	1.22	1.61	1.01	1.03	1.33	0.99	1.50	1.56	1.76
3	1.78	1.24	1.49	0.76	0.79	0.61	0.72	1.67	1.01	1.56	1.75	1.60
4	2.80	2.05	1.38	0.92	0.82	0.89	1.52	1.38	1.31	1.56	1.77	1.43
5	2.19	2.01	1.48	0.81	1.00	1.15	1.36	1.08	1.43	1.51	1.59	1.52
6	1.90	1.30	0.88	1.52	0.35	1.41	0.47	1.23	1.36	1.41	1.53	1.51
7	1.53	1.18	0.51	1.96	0.96	1.03	1.04	1.30	1.44	1.36	1.74	1.90
8	1.21	0.86	0.67	1.96	0.81	0.80	1.07	1.37	1.41	1.55	1.87	1.87
9	1.38	1.42	0.40	0.63	-0.14	1.33	1.12	1.50	1.56	1.64	2.11	1.86
10	1.58	2.11	0.83	0.10	0.43	2.09	1.04	2.07	1.50	1.55	1.96	1.88
11	1.41	3.02	0.95	0.97	0.79	1.94	1.23	1.96	1.73	1.62	1.79	2.02
12	1.65	2.62	1.97	0.50	0.50	1.09	0.74	2.22	1.89	1.66	1.60	1.72
13	1.66	1.89	1.87	0.22	0.58	0.75	1.74	1.84	1.92	1.61	1.49	1.67
14	1.85	1.70	1.03	0.87	0.72	0.62	1.31	1.95	2.00	1.79	1.75	1.66
15	1.22	1.76	0.61	1.05	0.23	0.94	1.15	2.11	1.92	1.74	1.99	1.43
16	0.70	1.50	1.00	0.70	0.87	1.06	2.20	2.16	1.86	1.57	1.77	1.32
17	1.45	1.49	1.21	0.89	1.03	0.94	1.94	2.14	1.76	1.33	1.39	1.28
18	1.21	0.33	1.17	1.90	1.36	1.09	1.29	1.95	1.74	1.15	1.41	1.66
19	1.26	0.89	1.42	1.56	0.26	0.83	1.26	1.67	1.71	1.42	1.46	1.76
20	1.50	0.80	1.59	1.11	0.66	0.99	1.44	1.52	1.60	1.63	1.47	1.53
21	1.50	0.89	1.70	1.21	1.61	1.24	0.89	1.53	1.55	1.47	1.55	1.30
22	0.87	1.38	e1.79	0.86	1.17	1.14	0.72	1.64	1.63	1.13	1.30	1.43
23	0.25	1.34	1.06	0.64	1.00	1.71	1.27	1.76	1.82	1.39	1.32	1.45
24	1.18	0.61	1.79	0.63	1.31	1.79	0.88	1.46	2.03	1.47	1.31	1.47
25	1.45	1.28	1.53	0.43	1.43	1.34	1.05	1.50	2.04	1.75	1.41	1.47
26	1.28	1.73	1.86	1.40	0.58	0.81	1.36	1.61	1.82	1.86	1.31	1.63
27	1.31	e1.0	0.69	1.50	1.31	0.58	1.30	1.56	1.62	1.74	1.88	1.82
28	0.99	e0.9	0.07	1.08	1.87	0.20	1.60	1.43	1.71	1.70	3.11	2.15
29	0.79	e0.9	0.55	1.22	---	0.63	1.27	1.35	1.71	1.73	1.22	2.07
30	0.71	e1.3	1.00	1.13	---	0.84	1.15	1.22	1.53	1.58	1.36	1.85
31	0.24	---	0.70	0.83	---	1.60	---	1.22	---	1.56	1.39	---
Mean	1.35	1.38	1.18	1.02	0.90	1.08	1.24	1.61	1.63	1.55	1.63	1.65
Max	2.80	3.02	2.07	1.96	1.87	2.09	2.20	2.22	2.04	1.86	3.11	2.15
Min	0.24	0.33	0.07	0.10	-0.14	0.20	0.47	1.08	0.99	1.13	1.22	1.28

	Calendar Year 2010	Water Year 2011
Mean	1.35	1.35
Max	3.02	3.11
Min	-0.21	-0.14

01310521 HUDSON BAY AT FREEPORT, NY—Continued



01310521 HUDSON BAY AT FREEPORT, NY—Continued

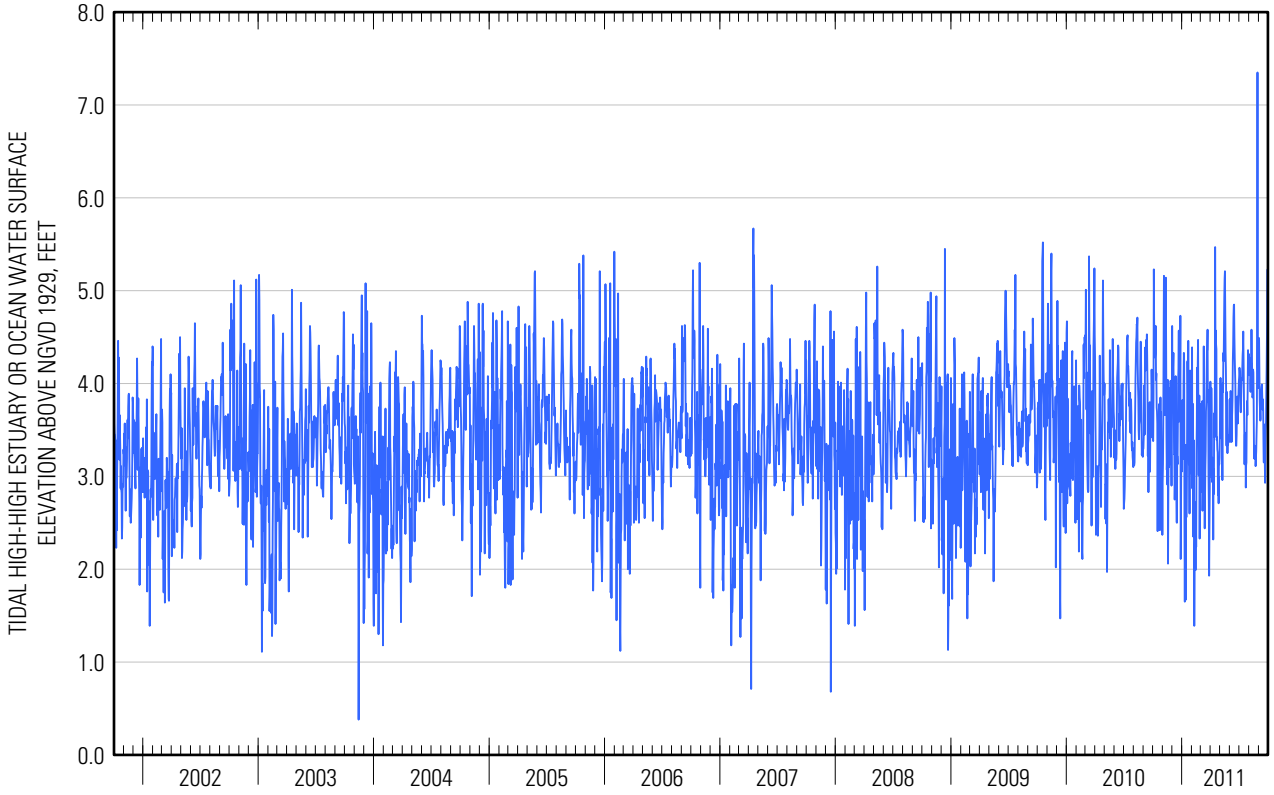
ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY TIDAL HIGH-HIGH VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.42	2.94	4.62	3.37	3.61	2.83	4.02	3.46	3.83	4.07	4.18	4.33
2	3.38	3.13	3.82	3.82	4.39	3.25	3.00	3.62	3.37	4.17	4.09	4.49
3	3.84	3.63	4.08	3.46	2.87	2.96	3.00	4.06	3.78	4.13	4.27	4.15
4	5.23	4.44	4.19	3.59	3.36	3.09	3.95	3.44	3.92	4.06	4.27	3.82
5	4.67	5.16	4.33	3.19	3.78	3.29	3.62	3.41	3.80	3.77	4.03	3.71
6	4.51	4.26	3.81	3.98	2.35	3.81	2.94	3.51	3.73	3.69	3.91	3.60
7	4.40	4.28	3.24	4.33	3.39	2.63	3.20	3.47	3.37	3.79	4.05	3.62
8	4.28	3.66	3.24	4.23	3.07	2.91	3.20	3.62	3.59	3.94	4.05	3.84
9	4.36	3.91	2.75	2.51	1.39	3.67	3.13	2.96	3.70	4.06	4.58	3.90
10	4.62	4.41	2.97	1.65	2.10	3.40	2.32	4.00	3.85	4.04	4.23	3.96
11	4.04	5.14	2.79	2.55	2.40	4.40	3.08	3.91	4.25	4.18	4.17	3.99
12	4.11	4.37	4.08	3.34	2.72	3.34	2.81	4.33	4.42	4.31	3.85	3.86
13	3.74	3.45	3.76	1.67	1.99	2.95	3.68	4.24	4.71	4.37	3.87	3.72
14	3.70	3.07	2.96	2.63	2.65	2.44	3.42	4.57	4.84	4.56	4.15	3.83
15	3.57	3.23	2.51	2.56	2.24	2.77	3.77	4.93	4.85	4.25	4.12	3.71
16	2.41	2.91	2.50	2.64	3.24	3.09	5.47	5.13	4.50	3.92	3.73	3.33
17	3.25	4.04	3.22	3.15	3.54	3.27	4.45	5.21	4.28	3.55	3.24	3.15
18	2.92	2.06	3.13	4.24	4.17	3.70	4.57	4.78	4.13	3.13	3.19	3.56
19	3.02	2.87	3.53	4.24	3.39	3.79	4.42	4.35	3.98	3.45	3.33	3.51
20	3.36	3.48	4.04	3.85	4.22	4.05	4.37	4.17	3.60	3.47	3.25	3.19
21	3.78	3.10	4.16	4.46	4.47	4.35	3.39	3.83	3.33	3.34	3.32	2.93
22	3.33	3.95	4.57	3.84	3.63	4.36	3.42	3.33	3.33	2.88	3.11	3.31
23	2.42	3.87	3.59	3.13	3.01	4.58	3.29	3.91	3.45	3.12	3.19	3.50
24	3.58	3.13	4.53	3.14	3.60	3.80	3.26	3.41	3.75	3.15	3.27	3.59
25	3.85	3.76	4.06	2.60	3.87	3.93	2.80	3.25	3.86	3.62	3.45	3.91
26	3.54	4.03	4.05	3.38	2.33	3.03	3.00	3.38	3.65	3.81	3.61	4.17
27	3.69	e3.4	4.73	4.14	3.22	2.70	2.71	3.34	3.57	3.66	4.49	4.53
28	3.19	e3.2	2.11	3.24	3.78	1.93	3.16	3.41	3.77	3.95	7.35	4.93
29	3.11	e2.9	2.57	3.44	---	2.47	3.13	3.44	3.91	4.36	4.20	5.23
30	2.97	e3.3	3.34	3.41	---	2.84	3.20	3.42	4.02	4.19	3.95	4.76
31	2.37	---	3.05	3.03	---	3.51	---	3.57	---	4.32	4.13	---
Mean	3.63	3.64	3.56	3.32	3.17	3.33	3.46	3.85	3.90	3.85	3.96	3.87
Max	5.23	5.16	4.73	4.46	4.47	4.58	5.47	5.21	4.85	4.56	7.35	5.23
Min	2.37	2.06	2.11	1.65	1.39	1.93	2.32	2.96	3.33	2.88	3.11	2.93

	Calendar Year 2010	Water Year 2011
Mean	3.60	3.63
Max	5.37	7.35
Min	1.97	1.39

01310521 HUDSON BAY AT FREEPORT, NY—Continued



01310521 HUDSON BAY AT FREEPORT, NY—Continued

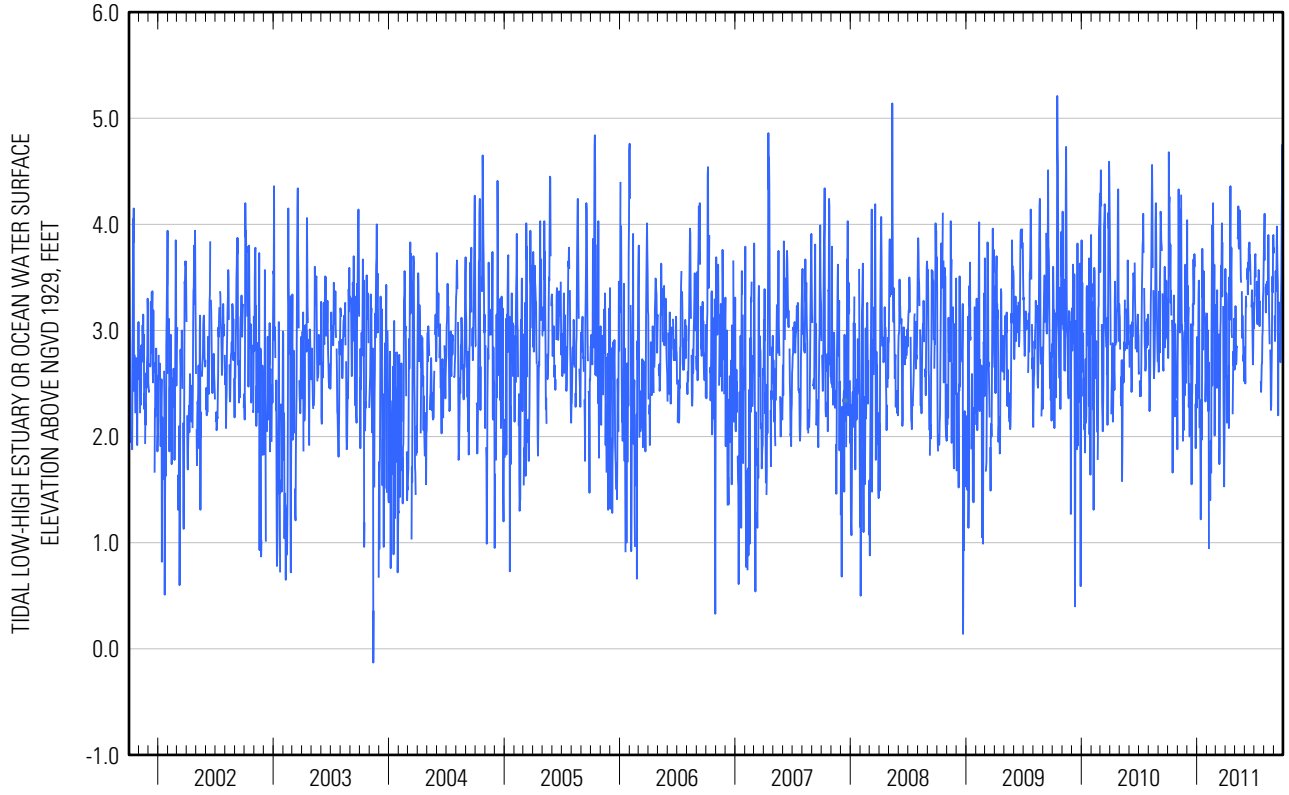
ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY TIDAL LOW-HIGH VALUES

[*, only a single high tide occurred; e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.30	2.74	4.04	2.74	3.12	2.64	3.58	2.74	2.84	3.19	3.80	3.73
2	2.74	3.04	2.90	2.94	3.16	2.48	2.93	2.99	2.74	3.25	3.94	3.78
3	3.11	3.42	3.42	2.56	2.81	2.46	2.55	3.23	2.50	3.54	4.10	*---
4	4.68	4.33	3.13	2.36	2.39	2.94	3.35	3.06	3.07	3.69	3.66	3.14
5	4.20	3.73	3.22	2.81	3.00	3.23	3.25	2.68	3.32	3.72	*---	2.90
6	4.26	3.32	2.28	3.34	2.24	3.38	2.13	2.72	3.22	3.50	3.41	2.99
7	3.82	3.14	2.33	3.47	2.70	2.61	2.57	2.85	*---	*---	3.17	3.56
8	3.51	2.98	2.40	3.29	0.94	2.46	2.40	2.84	3.48	3.32	3.40	3.37
9	3.81	3.28	2.00	2.08	*---	2.93	2.44	*---	3.52	3.46	3.44	3.39
10	3.26	4.15	2.50	*---	1.54	*---	*---	3.86	3.59	3.12	3.34	3.70
11	3.37	*---	*---	2.27	1.86	2.97	2.67	3.91	3.34	3.06	3.46	3.98
12	3.14	4.28	2.68	1.81	1.40	2.10	2.08	4.17	3.64	3.06	3.41	3.74
13	*---	3.44	3.06	1.22	1.96	1.74	3.50	3.79	3.56	3.26	3.34	3.56
14	3.10	3.01	2.20	1.82	1.84	1.92	3.39	3.77	3.78	3.42	3.61	3.43
15	2.96	3.05	1.55	2.35	1.66	2.49	3.10	3.99	3.71	3.57	3.90	2.20
16	1.66	2.73	2.32	1.97	2.87	2.99	3.95	4.13	3.83	3.56	3.62	2.97
17	2.79	2.48	2.42	2.50	3.45	3.11	4.36	4.13	3.67	3.31	3.19	2.75
18	2.65	1.96	2.69	3.77	3.99	3.61	3.51	3.97	3.71	3.04	3.02	3.27
19	2.89	2.64	3.25	3.31	2.48	3.38	3.55	3.68	3.57	3.27	2.87	*---
20	3.33	2.06	3.05	3.52	3.47	3.71	3.78	3.48	3.43	3.28	*---	2.97
21	3.06	2.89	3.67	2.82	4.20	4.01	2.98	3.45	*---	*---	2.82	2.71
22	2.34	2.88	3.46	3.56	3.51	3.32	2.93	*---	3.22	2.52	2.64	2.70
23	2.19	2.99	3.25	3.09	*---	3.83	*---	3.37	3.25	2.42	2.25	2.72
24	3.06	2.39	3.72	3.10	2.99	*---	2.21	2.93	3.38	2.54	2.29	3.31
25	2.97	3.62	3.60	*---	3.62	3.23	2.50	3.14	3.17	2.68	2.58	3.53
26	2.80	3.08	*---	3.17	2.01	2.39	2.80	2.97	2.91	2.69	2.81	4.01
27	2.66	*---	2.31	2.98	2.70	1.99	2.67	2.95	2.68	2.94	3.32	4.35
28	2.36	e2.5	1.89	2.33	3.24	1.53	3.11	2.71	2.82	3.00	3.51	4.75
29	*---	e2.8	2.25	2.50	---	1.96	2.97	2.77	3.26	3.31	3.36	4.02
30	2.34	3.06	2.49	2.58	---	2.26	2.63	2.63	3.02	3.37	3.89	4.02
31	1.88	---	2.27	2.62	---	3.19	---	2.52	---	3.60	3.90	---
Mean	3.04	3.07	2.77	2.72	2.66	2.79	3.00	3.29	3.29	3.20	3.31	3.41
Max	4.68	4.33	4.04	3.77	4.20	4.01	4.36	4.17	3.83	3.72	4.10	4.75
Min	1.66	1.96	1.55	1.22	0.94	1.53	2.08	2.52	2.50	2.42	2.25	2.20

	Calendar Year 2010	Water Year 2011
Mean	3.02	3.05
Max	4.68	4.75
Min	1.31	0.94

01310521 HUDSON BAY AT FREEPORT, NY—Continued



01310521 HUDSON BAY AT FREEPORT, NY—Continued

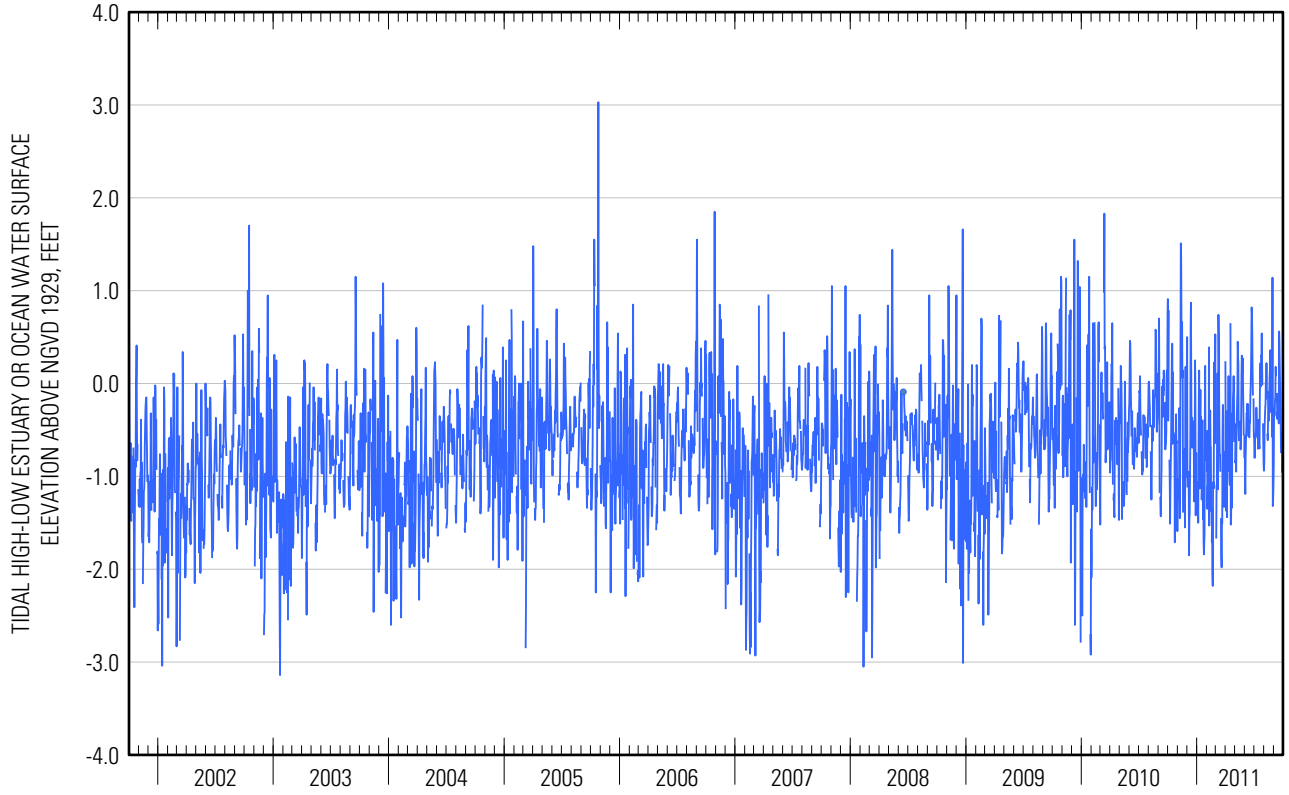
ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY TIDAL HIGH-LOW VALUES

[*, only a single low tide occurred; e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.91	-1.02	0.50	-1.05	-0.95	-0.65	0.24	-0.83	-0.56	-0.57	-0.94	-0.87
2	-0.40	-1.25	-1.12	*---	-0.51	*---	-0.76	-0.85	-1.00	-0.80	-0.85	-0.27
3	-0.10	-1.26	*---	-1.17	-1.35	-1.67	-1.37	-0.44	-1.19	-0.80	-0.48	-0.35
4	0.79	*---	-1.04	-1.24	-1.10	-1.10	-0.47	-0.50	-0.80	-0.56	-0.37	-0.32
5	*---	-0.26	-0.95	-1.50	-1.11	-1.10	-0.30	-0.95	-0.63	-0.59	-0.26	-0.18
6	-0.82	-1.28	-1.07	-0.75	-1.11	-0.85	-1.44	-0.61	-0.50	-0.54	-0.22	-0.14
7	-1.09	-1.45	-1.85	-0.13	-1.09	0.11	-0.68	-0.38	-0.32	-0.50	0.02	0.18
8	-1.51	-1.45	-1.46	0.14	0.39	-1.14	-0.63	-0.22	-0.33	-0.26	-0.10	0.08
9	-1.15	-0.73	-1.40	-0.68	-1.53	-0.17	-0.44	-0.07	-0.22	-0.36	0.22	*---
10	-0.89	0.47	-1.03	-1.13	-0.98	0.74	-0.48	0.45	-0.43	-0.56	-0.17	-0.19
11	-0.66	1.51	-0.61	-0.37	-0.43	0.50	0.08	0.29	-0.22	-0.42	*---	-0.11
12	-0.27	1.37	0.60	-0.07	-0.29	0.01	-0.94	0.22	-0.57	*---	-0.54	-0.38
13	0.06	0.68	0.87	-0.98	-0.69	-0.50	0.04	-0.47	*---	-0.71	-0.61	-0.36
14	0.41	0.44	0.03	-0.36	-0.69	-0.78	-1.05	-0.62	-0.56	-0.39	-0.39	-0.30
15	0.43	0.66	-0.68	-0.46	-1.38	-0.77	-1.10	*---	-0.57	-0.54	-0.09	-0.36
16	-0.65	0.06	-0.53	-1.25	*---	-0.95	*---	-0.48	-0.58	-0.66	-0.12	-0.37
17	0.12	0.14	-0.37	-1.13	-1.71	*---	0.65	-0.41	-0.40	-0.67	-0.40	-0.43
18	-0.56	-1.39	-0.70	*---	-1.35	-1.45	-1.52	-0.49	-0.42	-0.70	-0.08	0.56
19	-0.52	*---	*---	-0.39	-2.05	-1.84	-1.47	-0.71	-0.13	-0.16	0.08	0.43
20	*---	-0.75	-0.40	-1.46	-2.18	-1.98	-1.10	-0.63	-0.04	0.09	0.15	0.19
21	-0.54	-1.36	-0.55	-0.97	-1.12	-1.52	-1.34	-0.28	0.14	0.22	0.36	-0.01
22	-0.68	-0.71	-0.61	-1.69	-1.06	-1.51	-1.22	0.09	0.43	-0.03	-0.04	-0.10
23	-1.71	-0.90	-1.27	-1.84	-1.13	-0.55	-0.32	0.30	0.82	0.30	0.00	-0.41
24	-0.81	-1.55	-0.53	-1.72	-0.33	-0.23	-0.47	0.10	0.74	0.29	-0.31	-0.75
25	-0.62	-0.87	-0.62	-1.61	0.23	-0.34	-0.15	0.23	0.54	0.54	-0.11	*---
26	-0.80	0.18	0.25	-0.41	-0.43	-0.67	-0.06	0.27	0.16	0.24	*---	-0.96
27	-0.33	e-0.8	-0.04	0.19	0.10	-1.01	0.08	-0.06	-0.13	-0.02	-0.58	-0.95
28	-0.64	e-1.0	-1.42	-0.61	0.53	-1.33	-0.07	-0.34	*---	*---	1.14	-0.52
29	-0.62	e-1.0	-1.17	-0.58	---	-1.18	-0.63	-0.56	-0.16	-0.43	-1.32	-0.53
30	-0.98	e-0.6	-0.75	-0.83	---	-0.73	*---	*---	-0.57	-0.66	-1.25	-0.63
31	-1.59	---	-1.39	*---	---	*---	---	-0.80	---	-0.88	-1.10	---
Mean	-0.52	-0.50	-0.67	-0.86	-0.86	-0.81	-0.60	-0.30	-0.27	-0.35	-0.29	-0.29
Max	0.91	1.51	0.87	0.19	0.53	0.74	0.65	0.45	0.82	0.54	1.14	0.56
Min	-1.71	-1.55	-1.85	-1.84	-2.18	-1.98	-1.52	-0.95	-1.19	-0.88	-1.32	-0.96

	Calendar Year 2010	Water Year 2011
Mean	-0.52	-0.52
Max	1.83	1.51
Min	-2.92	-2.18

01310521 HUDSON BAY AT FREEPORT, NY—Continued



01310521 HUDSON BAY AT FREEPORT, NY—Continued

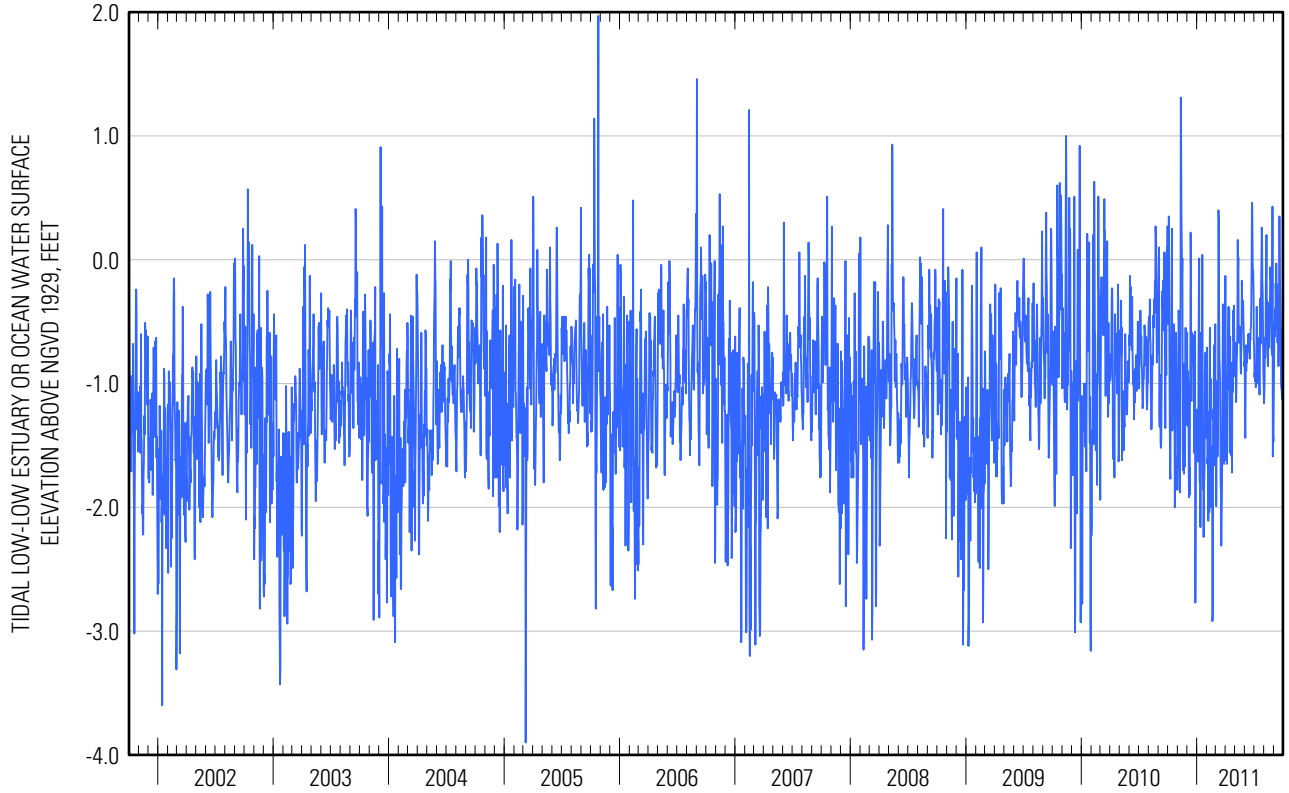
ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY TIDAL LOW-LOW VALUES

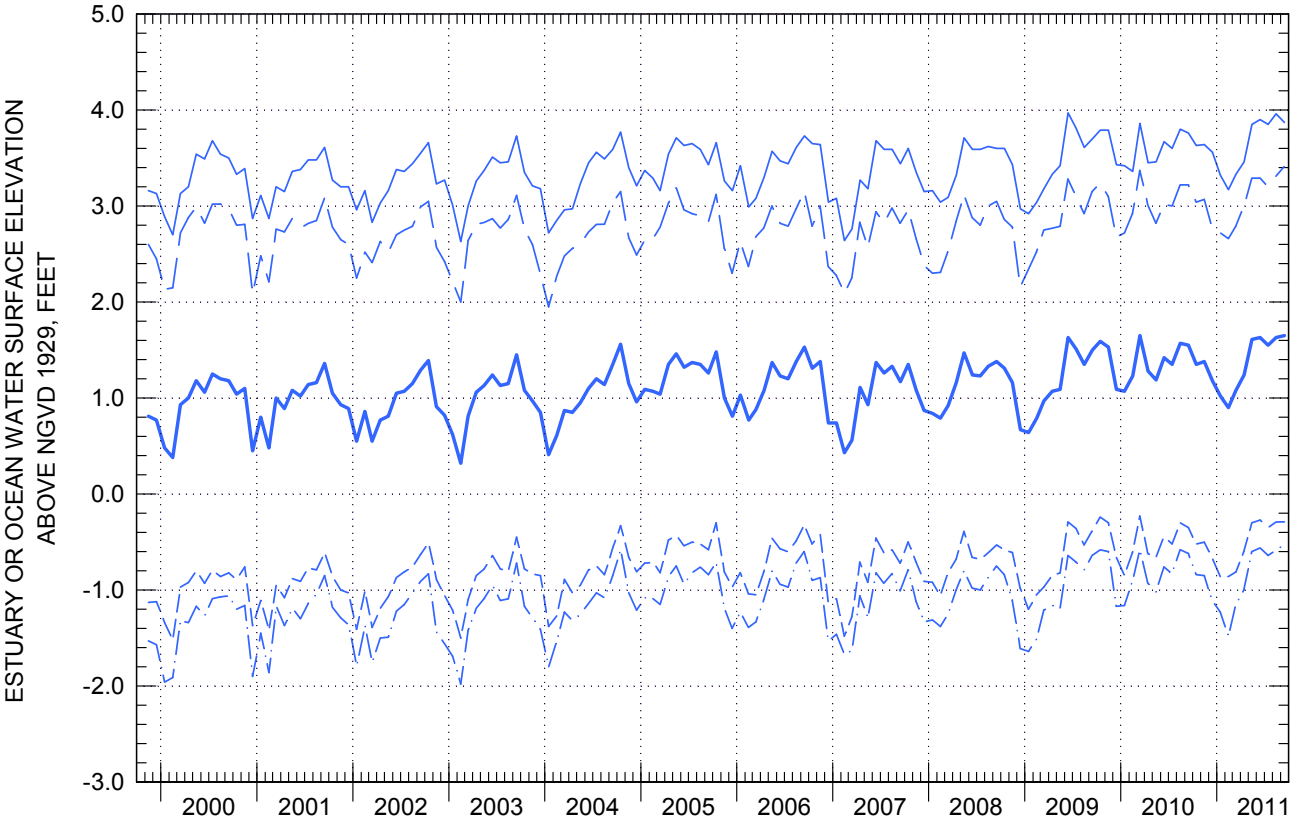
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-0.25	-1.58	-0.59	-1.32	-1.04	-1.41	-0.13	-0.94	-0.82	-0.72	-1.16	-1.14
2	-0.52	-1.58	-1.34	-1.21	-0.71	-1.15	-1.11	-0.89	-1.17	-0.95	-1.10	-0.87
3	-0.22	-1.30	-0.90	-1.52	-1.65	-1.99	-1.62	-0.67	-1.44	-0.91	-0.99	-0.51
4	0.35	-0.41	-1.29	-1.49	-1.60	-1.48	-1.39	-0.96	-1.06	-0.98	-0.63	-0.62
5	-0.23	-0.59	-0.99	-1.63	-1.67	-1.11	-1.11	-1.15	-0.69	-0.86	-0.79	-0.40
6	-0.82	-1.33	-1.74	-0.76	-2.11	-0.98	-1.65	-1.00	-0.90	-1.03	-0.70	-0.56
7	-1.32	-1.50	-1.92	-0.22	-1.23	-1.59	-1.06	-0.80	-0.81	-1.02	-0.17	-0.19
8	-1.70	-1.88	-1.68	0.01	-1.74	-1.36	-0.92	-0.74	-0.83	-0.76	-0.14	-0.29
9	-1.77	-0.90	-1.90	-1.52	-2.04	-0.88	-0.62	-0.46	-0.76	-0.38	0.20	-0.03
10	-0.97	-0.32	-1.10	-1.80	-1.09	0.40	-0.57	0.16	-0.75	-0.59	-0.36	-0.34
11	-1.12	1.31	-0.83	-0.59	-0.55	0.32	-0.38	-0.11	-0.70	-0.74	-0.33	-0.20
12	-0.51	0.90	0.22	-2.16	-1.29	-0.34	-1.04	0.02	-0.60	-0.75	-0.64	-0.45
13	-0.05	0.35	-0.10	-1.35	-0.96	-0.79	-0.40	-0.53	-0.62	-0.75	-0.83	-0.67
14	0.25	0.15	-1.13	-0.96	-1.87	-0.85	-1.14	-0.67	-0.60	-1.00	-0.86	-0.44
15	-1.38	-0.15	-1.14	-0.74	-2.00	-0.96	-1.56	-0.65	-0.72	-0.63	-0.35	-0.37
16	-0.73	0.01	-0.59	-1.28	-1.76	-1.31	-0.62	-0.54	-0.61	-0.72	-0.36	-0.86
17	-0.60	-1.47	-0.85	-1.20	-1.80	-1.80	-1.35	-0.57	-0.80	-0.99	-0.71	-0.50
18	-0.82	-1.70	-0.75	0.04	-1.51	-1.89	-1.52	-0.64	-0.62	-1.09	-0.57	-0.06
19	-0.70	-1.15	-0.79	-1.09	-2.92	-2.31	-1.58	-0.81	-0.65	-0.92	-0.37	0.35
20	-0.52	-1.48	-0.69	-1.85	-2.85	-2.07	-1.22	-0.92	-0.56	-0.36	-0.32	0.05
21	-0.59	-1.73	-0.81	-1.65	-1.21	-1.93	-1.54	-0.75	-0.54	-0.31	-0.06	-0.20
22	-1.34	-0.84	-0.61	-2.24	-1.29	-1.53	-1.72	-0.68	-0.35	-0.68	-0.13	-0.39
23	-2.00	-0.95	-1.56	-1.94	-1.17	-0.94	-0.83	-0.17	-0.03	-0.21	-0.16	-0.49
24	-1.50	-1.67	-0.74	-1.78	-0.69	-0.36	-1.07	-0.39	0.46	-0.04	-0.32	-1.00
25	-0.66	-1.24	-0.90	-1.69	-1.66	-0.49	-0.91	-0.34	0.43	0.26	-0.71	-1.04
26	-0.84	-0.55	-0.58	-0.90	-1.40	-0.92	-0.41	-0.35	0.08	0.18	-0.75	-1.05
27	-0.59	e-1.2	-2.77	-0.86	-1.07	-1.08	-0.65	-0.33	-0.13	-0.17	-0.77	-1.13
28	-0.81	e-1.0	-2.09	-0.75	-0.52	-1.65	-0.37	-0.48	-0.09	-0.26	0.43	-1.06
29	-1.21	e-1.1	-1.33	-0.93	---	-1.24	-0.70	-0.60	-0.25	-0.54	-1.59	-0.56
30	-1.02	-0.75	-1.41	-1.26	---	-1.11	-0.93	-0.71	-0.65	-0.91	-1.41	-1.01
31	-1.86	---	-1.42	-1.44	---	-0.71	---	-0.86	---	-0.98	-1.47	---
Mean	-0.84	-0.85	-1.11	-1.23	-1.48	-1.15	-1.00	-0.60	-0.56	-0.64	-0.58	-0.53
Max	0.35	1.31	0.22	0.04	-0.52	0.40	-0.13	0.16	0.46	0.26	0.43	0.35
Min	-2.00	-1.88	-2.77	-2.24	-2.92	-2.31	-1.72	-1.15	-1.44	-1.09	-1.59	-1.14

	Calendar Year 2010	Water Year 2011
Mean	-0.85	-0.88
Max	1.31	1.31
Min	-3.16	-2.92

01310521 HUDSON BAY AT FREEPORT, NY—Continued





MONTHLY MEAN VALUES (BOLD) WITH MONTHLY MEAN TIDAL HIGH-HIGH (SOLID), LOW-HIGH (LONG-DASHED), HIGH-LOW (SHORT-DASHED), AND LOW-LOW (DOT-DASHED) VALUES FOR PERIOD OF RECORD.