

01407600 SHREWSBURY RIVER AT SEA BRIGHT, NJ

SHREWSBURY RIVER BASIN

LOCATION.--Lat 40°21'56", long 73°58'29" referenced to North American Datum of 1983, Sea Bright Borough, Monmouth County, NJ, Hydrologic Unit 02030104, on right upstream wingwall of bridge on Rumson Road (County Route 520) in Sea Bright, 0.5 mi downstream of Gunning Island, and 3.3 mi south of Sandy Hook Bay.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, August 1997 to December 1999. Continuous-record tide gage, January 2000 to current year.

GAGE.--Tide level recorder and tidal crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929 datum, add 1.20 ft.

REMARKS.--Missing or estimated gage-height record on many days. Gage cannot measure tide levels below -2.05 ft. Many minimum elevations, monthly mean low tides, and monthly mean water levels are undetermined or estimated. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (---) lines. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.6 ft (from high-water mark), Oct 29, 2012.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, about 7.3 ft (adjusted to NAVD of 1988), Dec 11, 1992, from high-water marks along Ocean Drive (State Route 36) in Sea Bright within 1 mi of the gage. High-water mark from the Mar 6, 1962 Nor'easter was at elevation 5.6 ft on Lincoln Avenue in Rumson, about 600 ft south of bridge on Rumson Road.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 9.6 ft (from high-water mark), Oct 29.

Statistics of Tide Elevations, in feet
Water Year October 2012 to September 2013
[e, estimated]

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.18	---	---
November	---	---	---
December	---	---	---
CALENDAR YEAR 2012	e0.3	e-1.2	e1.9
January	---	---	---
February	e1.7	---	---
March	2.13	e0.4	e-1.4
April	1.79	---	---
May	1.75	e0.0	e-1.7
June	2.05	e0.3	e-1.5
July	2.10	0.34	-1.42
August	2.07	0.33	-1.41
September	2.04	0.32	-1.38
WATER YEAR 2013	---	---	---

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	October			November			December			January		
1	1.89	-0.09	-1.85	---	---	---	---	---	---	---	---	---
2	1.97	e0.0	e-2.1	---	---	---	---	---	---	---	---	---
3	2.19	0.22	-1.46	---	---	---	---	---	---	---	---	---
4	2.12	0.23	-1.38	---	---	---	---	---	---	---	---	---
5	2.17	0.38	-1.04	---	---	---	---	---	---	---	---	---
6	2.10	0.32	-1.12	---	---	---	---	---	---	---	---	---
7	1.88	0.26	-0.95	---	---	---	---	---	---	---	---	---
8	1.59	0.25	-1.11	---	---	---	---	---	---	---	---	---
9	2.52	0.77	-0.60	---	---	---	---	---	---	---	---	---
10	2.49	0.98	-0.35	---	---	---	---	---	---	---	---	---
11	1.37	-0.14	-1.86	---	---	---	---	---	---	---	---	---
12	1.35	e-0.4	e-2.3	---	---	---	---	---	---	---	---	---
13	2.01	e0.0	e-2.1	---	---	---	---	---	---	---	---	---
14	1.78	e-0.3	e-2.6	---	---	---	---	---	---	---	---	---
15	2.37	e0.0	e-2.6	---	---	---	---	---	---	---	---	-1.80
16	2.68	e0.2	e-2.2	---	---	---	---	---	---	2.74	0.49	-1.28
17	2.84	e0.2	e-2.1	---	---	---	---	---	---	2.14	0.00	-1.66
18	2.94	0.35	-1.86	---	---	---	---	---	---	1.93	---	---
19	3.20	0.69	-1.52	---	---	---	---	---	---	1.40	e-0.9	e-2.6
20	2.78	0.61	-1.36	---	---	---	---	---	---	0.42	e-0.9	e-2.5
21	2.06	0.09	-1.65	---	---	---	---	---	---	---	---	---
22	1.60	-0.25	-1.93	---	---	---	---	---	---	---	---	---
23	1.91	0.04	-1.63	---	---	---	---	---	---	---	---	---
24	2.04	0.35	-1.29	---	---	---	---	---	---	---	---	---
25	2.07	0.43	-1.43	---	---	---	---	---	---	---	---	---
26	2.26	0.46	-1.46	---	---	---	---	---	---	---	---	---
27	2.65	0.80	-1.29	---	---	---	---	---	---	---	---	---
28	4.54	2.09	-0.52	---	---	---	---	---	---	---	---	---
29	9.6	5.09	1.25	---	---	---	---	---	---	1.92	e-0.1	e-2.4
30	---	---	---	---	---	---	---	---	---	2.56	0.43	-1.43
31	---	---	---	---	---	---	---	---	---	0.80	e-0.8	e-3.4
Max	9.6	5.09	1.25	---	---	---	---	---	---	2.74	0.49	-1.28
Min	1.35	e-0.4	e-2.6	---	---	---	---	---	---	0.42	e-0.9	e-3.4

01407600 SHREWSBURY RIVER AT SEA BRIGHT, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
[e, estimated]

Day	High-high	Mean	Low-low									
	February			March			April			May		
1	---	---	---	2.46	0.57	-1.36	2.77	0.29	-1.66	2.25	e0.1	e-1.9
2	---	---	---	2.62	0.49	-1.38	2.04	e-0.2	e-2.1	1.78	-0.16	-1.94
3	---	---	---	2.39	0.26	-1.50	1.24	e-0.9	e-2.7	1.96	0.26	-1.64
4	---	---	---	2.22	-0.07	-1.91	0.85	e-0.7	e-2.7	2.14	0.47	-1.43
5	---	---	---	1.61	0.04	-1.60	1.60	-0.06	-1.95	2.17	0.43	-1.42
6	---	---	---	3.88	1.74	-0.23	1.49	e-0.2	e-2.2	2.00	0.17	-1.75
7	---	---	-2.03	4.67	2.19	-0.34	1.64	e-0.3	e-2.5	2.18	0.18	-1.69
8	3.92	e1.3	e-2.2	3.76	1.82	-0.25	1.89	e-0.2	e-2.4	2.35	0.28	-1.59
9	3.73	0.90	-1.53	4.32	2.08	-0.06	2.11	0.08	-1.88	2.40	0.37	-1.53
10	3.00	0.46	-1.70	3.48	1.08	-1.12	2.62	0.23	-1.82	2.14	0.14	-1.59
11	2.56	e0.2	e-2.1	2.55	0.43	-1.68	2.46	0.26	-1.77	2.48	0.34	-1.53
12	1.90	e-0.3	e-2.6	2.38	0.36	-1.68	3.34	1.10	-1.07	1.77	0.21	-1.40
13	1.96	e-0.3	e-2.8	2.18	0.13	-1.78	1.82	0.42	-1.42	0.97	-0.29	-1.95
14	2.00	0.14	-1.67	1.00	e-0.5	e-2.5	2.29	0.17	-1.56	1.58	-0.20	-1.82
15	1.88	-0.05	-1.66	1.15	e-0.7	e-2.6	1.74	-0.05	-1.57	1.60	-0.10	-1.71
16	1.81	0.08	-1.40	1.32	-0.21	-1.97	1.66	-0.06	-1.46	1.66	-0.07	-1.57
17	2.13	e-0.2	e-2.4	2.00	---	---	1.49	-0.25	-1.56	1.52	-0.14	-1.66
18	0.02	---	---	1.46	0.11	-1.50	1.25	-0.12	-1.55	1.32	-0.22	-1.72
19	-0.09	e-1.3	e-2.7	2.80	0.86	-0.72	1.71	0.23	-1.19	1.44	-0.15	-1.90
20	0.69	e-1.1	e-2.8	1.38	-0.29	-1.56	1.04	e-0.4	e-2.1	1.60	e-0.1	e-1.9
21	0.15	e-1.2	e-2.7	1.03	-0.09	-1.42	1.19	-0.44	-1.99	2.13	0.09	-1.78
22	1.46	-0.25	-1.76	e1.5	e-0.1	-1.40	2.28	0.25	-1.83	2.53	0.30	-1.75
23	2.20	0.49	-1.36	0.84	e-0.6	e-2.3	2.84	0.83	-1.21	2.45	e0.2	e-2.0
24	2.50	0.45	-1.33	1.79	e-0.2	e-2.2	2.47	e0.4	-1.72	2.52	0.18	-1.88
25	2.42	0.36	-1.73	3.37	1.09	-1.31	2.40	e0.0	e-2.2	2.30	e-0.1	e-2.3
26	2.57	0.51	-1.59	3.05	e0.9	-1.16	2.44	e0.0	e-2.2	2.13	e-0.6	e-2.8
27	4.16	1.60	-0.49	2.12	0.16	-1.93	2.43	e-0.1	e-2.2	1.32	e-0.4	e-2.7
28	2.76	0.81	-1.26	2.65	e0.0	e-2.2	1.65	e-0.1	e-2.2	2.16	e-0.3	e-2.5
29	---	---	---	2.31	0.12	-1.91	2.44	0.02	-1.91	2.30	0.00	-1.93
30	---	---	---	1.72	-0.05	-1.99	2.42	0.09	-1.75	2.08	e-0.1	e-2.2
31	---	---	---	2.28	0.07	-1.88	---	---	---	1.60	e-0.2	e-2.2
Max	4.16	1.60	-0.49	4.67	2.19	-0.06	3.34	1.10	-1.07	2.53	0.47	-1.40
Min	-0.09	e-1.3	e-2.8	0.84	e-0.7	e-2.6	0.85	e-0.9	e-2.7	0.97	e-0.6	e-2.8

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WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	June			July			August			September		
1	1.63	e-0.1	e-2.1	2.12	0.36	-1.38	2.29	0.45	-1.06	2.17	0.45	-1.07
2	1.85	-0.01	-1.81	1.80	0.12	-1.54	2.27	0.51	-1.01	2.39	0.57	-1.13
3	1.71	-0.06	-1.82	1.80	0.05	-1.58	2.22	0.33	-1.23	2.54	0.61	-1.15
4	1.67	-0.07	-1.85	1.70	-0.10	-1.66	2.46	0.45	-1.26	2.02	0.24	-1.46
5	1.80	-0.16	-1.88	1.90	-0.10	-1.73	2.38	0.40	-1.34	2.15	0.15	-1.76
6	2.10	-0.03	-1.76	2.07	0.00	-1.71	2.35	0.35	-1.40	2.35	0.39	-1.49
7	2.60	0.49	-1.60	2.40	0.23	-1.60	2.35	0.33	-1.52	2.09	0.17	-1.72
8	1.91	0.34	-1.58	2.28	0.24	-1.43	2.25	0.40	-1.42	2.12	0.12	-1.92
9	1.86	-0.15	-1.92	2.44	0.36	-1.48	2.24	0.39	-1.49	2.56	0.33	-1.42
10	2.52	0.20	-1.79	2.29	0.45	-1.40	1.94	0.16	-1.64	2.21	0.09	-1.70
11	2.11	0.42	-1.19	1.76	0.31	-1.51	1.85	0.04	-1.74	2.12	0.05	-1.80
12	1.53	0.23	-1.46	2.28	0.54	-1.37	2.07	0.18	-1.60	2.14	0.14	-1.66
13	2.20	0.72	-1.34	2.69	0.50	-1.14	2.84	0.56	-1.36	2.52	0.44	-1.30
14	3.33	1.34	-0.33	1.95	0.10	-1.62	2.30	0.43	-1.34	2.29	0.35	-1.68
15	2.37	0.64	-0.97	1.77	0.00	-1.83	2.15	0.13	-1.55	2.14	0.10	-1.81
16	2.09	0.44	-1.29	2.02	0.18	-1.59	2.24	0.14	-1.76	2.26	0.08	-1.93
17	2.25	0.38	-1.37	2.43	0.39	-1.46	2.46	0.26	-1.75	2.70	0.49	-1.74
18	2.37	0.49	-1.38	2.43	0.40	-1.65	2.75	0.28	-1.84	2.42	0.38	-1.76
19	2.53	0.58	-1.42	2.77	0.44	-1.64	2.63	0.36	-1.84	2.20	0.12	-1.96
20	2.35	0.22	-1.79	2.86	0.41	-1.80	2.77	e0.2	e-2.0	2.35	0.21	-1.97
21	2.40	e0.0	e-2.3	3.26	0.49	-1.74	2.75	0.38	-1.84	2.62	0.43	-1.79
22	2.67	e0.0	e-2.2	3.52	0.73	-1.59	2.48	0.26	-1.92	2.56	0.47	-1.34
23	2.79	e0.1	e-2.2	3.38	0.80	-1.43	2.43	0.31	-1.88	2.37	0.35	-1.39
24	2.70	e0.1	e-2.2	3.17	0.71	-1.49	2.56	0.41	-1.64	2.15	0.24	-1.32
25	1.99	e0.2	e-2.1	3.07	0.86	-1.48	2.22	0.23	-1.54	2.04	0.32	-1.10
26	2.90	0.40	-1.76	3.33	0.75	-1.25	1.81	-0.02	-1.75	2.12	0.43	-0.87
27	2.82	0.58	-1.62	2.33	0.26	-1.75	2.00	0.22	-1.46	1.95	0.45	-0.90
28	2.86	0.77	-1.34	2.22	0.30	-1.51	2.18	0.47	-1.02	1.88	0.45	-0.99
29	2.63	0.69	-1.33	2.24	0.39	-1.35	2.41	0.71	-0.68	1.97	0.49	-0.80
30	2.15	0.42	-1.40	e2.1	e0.2	-1.36	2.31	0.71	-0.63	2.17	0.55	-1.07
31	---	---	---	2.03	0.26	-1.31	2.06	0.28	-1.16	---	---	---
Max	3.33	1.34	-0.33	3.52	0.86	-1.14	2.84	0.71	-0.63	2.70	0.61	-0.80
Min	1.53	-0.16	e-2.3	1.70	-0.10	-1.83	1.81	-0.02	e-2.0	1.88	0.05	-1.97

01407600 SHREWSBURY RIVER AT SEA BRIGHT, NJ—Continued

