

Water-Data Report 2007

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ

BARNEGAT BAY

LOCATION.--Lat 39°56'18", long 74°04'56" referenced to North American Datum of 1983, Berkeley Township, Ocean County, NJ, Hydrologic Unit 02040301, on public fishing pier in Seaside Heights just north of Seaside Park, 0.2 mi southeast of the east end of bridge on State Route 37 over Barnegat Bay, and 5.5 mi east of community of Toms River.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, June 1997 to March 2000. Continuous-record tide gage, April 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.15 ft. To determine approximate elevations in Mean Lower Low Water datum, add 0.35 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record on Oct 30, Nov 22, Dec 8-12, Feb 4-13, Feb 15-21, Mar 9, and short portions of other days. 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 dash (--) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 2.83 ft, Oct 25, 2005; minimum elevation recorded, -1.92 ft, Nov 15, 2003, although a lower tide likely occurred during period of missing record on Feb 16, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 6.12 ft (from high-water mark at the foot of South Bayview Avenue in Seaside Park, adjusted to NAVD of 1988), Dec 11, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 2.59 ft, Apr 16; minimum elevation recorded, -1.64 ft, Mar 6, although a lower tide likely occurred during period of missing record on Feb 16.

Statistics of Tide Elevations, in feet
Water Year October 2006 to September 2007

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	0.82	e0.5	e0.1
November	0.82	e0.5	e0.1
December	e0.3	---	---
CALENDAR YEAR 2006	0.61	0.28	-0.08
January	0.15	e-0.2	e-0.5
February	---	---	---
March	0.00	e-0.3	e-0.6
April	0.60	0.24	-0.13
May	0.36	0.04	-0.30
June	0.75	0.41	0.04
July	0.64	0.32	-0.04
August	0.76	0.42	0.05
September	0.66	0.28	-0.08
WATER YEAR 2007	0.54	e0.2	e-0.1

e Estimated.

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
[*e*, estimated]

Day	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low
	October		November		December		January		February		March	
1	1.05	0.14	0.73	-0.26	1.59	0.09	1.19	-0.42	0.51	<i>e</i> -0.5	0.41	-0.48
2	0.69	-0.20	0.92	0.00	0.38	---	0.77	-0.29	0.84	<i>e</i> -0.4	1.72	0.11
3	0.74	-0.11	0.83	-0.04	0.06	---	0.19	-0.81	0.46	---	1.28	0.32
4	0.94	-0.12	0.64	<i>e</i> -0.2	0.39	---	0.09	-0.88	---	---	0.68	-0.34
5	0.77	-0.25	0.65	<i>e</i> -0.3	0.59	<i>e</i> -0.4	0.50	-0.57	---	---	0.05	-0.60
6	0.81	-0.12	0.75	<i>e</i> -0.2	0.87	<i>e</i> -0.4	0.71	-0.19	---	---	---	-1.64
7	1.37	-0.04	0.70	<i>e</i> -0.3	0.65	-0.31	0.17	-0.66	---	---	-0.99	---
8	1.37	0.43	1.36	-0.13	---	---	0.88	-0.05	---	---	---	---
9	1.19	0.12	1.56	0.53	---	---	0.17	-0.78	---	---	---	---
10	1.04	0.06	1.08	0.10	---	---	-0.35	-1.07	---	---	-0.16	-0.74
11	1.40	0.21	1.05	-0.02	---	---	-0.35	-0.98	---	---	-0.12	-1.16
12	1.88	0.94	0.82	0.07	---	---	-0.20	-1.38	---	---	-0.41	-0.95
13	1.29	0.14	1.39	-0.14	0.37	---	-0.54	-0.94	---	---	-0.19	-0.89
14	1.10	0.18	1.47	0.65	0.21	-0.40	0.10	-1.04	0.69	---	0.11	-0.58
15	0.64	0.00	1.14	0.39	0.37	-0.41	0.59	-0.51	---	---	0.11	-0.76
16	0.70	-0.22	1.72	0.17	0.52	-0.37	0.53	-0.46	---	---	-0.67	-1.37
17	1.43	0.03	1.51	0.48	0.40	-0.62	-0.17	-1.03	---	---	1.31	0.53
18	1.13	0.31	0.57	-0.16	0.20	-0.68	0.23	-0.90	---	---	0.53	-0.56
19	1.11	0.18	0.67	-0.28	0.28	-0.76	0.74	-0.50	---	---	0.00	-0.85
20	1.38	0.33	0.78	<i>e</i> -0.1	0.38	-0.70	-0.38	-1.29	---	---	0.61	-1.05
21	0.39	<i>e</i> -0.4	0.17	---	0.26	-0.73	-0.73	---	---	---	-0.38	-1.20
22	0.36	<i>e</i> -0.4	---	---	-0.03	-1.12	0.35	---	0.69	---	0.06	-0.80
23	0.75	-0.08	0.85	-0.09	1.25	0.20	0.64	---	0.68	-0.78	0.12	-1.11
24	0.68	-0.05	1.43	0.52	0.69	-0.49	0.74	-0.15	0.07	---	-0.24	-1.06
25	0.39	-0.31	1.32	0.29	0.09	-0.78	0.76	-0.35	0.19	-0.56	0.21	-0.67
26	0.38	<i>e</i> -0.3	0.95	-0.02	1.21	0.15	0.22	---	0.65	-0.06	0.12	-0.57
27	0.84	<i>e</i> -0.2	0.54	<i>e</i> -0.3	0.58	-0.51	0.14	---	1.00	0.00	0.11	-0.70
28	2.48	1.78	0.53	<i>e</i> -0.3	0.14	-0.52	0.52	<i>e</i> -0.5	0.68	-0.25	0.10	-0.77
29	---	---	0.85	0.07	-0.06	-0.74	0.46	-0.38	---	---	-0.42	-1.16
30	---	---	0.76	-0.01	0.29	-0.75	0.49	<i>e</i> -0.2	---	---	0.16	-0.86
31	0.22	<i>e</i> -0.8	---	---	0.13	-0.80	0.02	<i>e</i> -0.5	---	---	0.14	-0.61
Max	2.48	1.78	1.72	0.65	1.59	---	1.19	---	1.00	---	1.72	0.53
Min	0.22	---	0.17	---	-0.06	---	-0.73	---	---	---	-0.99	---

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
[e, estimated]

Day	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low	High-high	Low-low
	April		May		June		July		August		September	
1	0.36	-0.54	0.68	-0.14	0.68	-0.08	0.77	-0.32	0.99	0.04	0.90	-0.05
2	0.48	-0.29	0.41	-0.31	0.80	-0.12	0.58	-0.22	1.03	0.13	0.84	-0.08
3	0.72	-0.14	0.68	-0.30	0.96	-0.20	0.69	-0.24	0.95	0.07	1.07	0.01
4	1.10	0.18	0.43	-0.50	1.33	0.54	0.76	0.03	0.81	-0.03	0.50	-0.41
5	1.34	-0.10	0.31	-0.45	1.75	0.46	1.36	0.02	0.63	-0.40	0.64	-0.42
6	0.46	-0.56	0.36	-0.92	1.27	0.03	0.65	-0.24	0.96	0.12	0.83	-0.21
7	0.25	-0.41	0.45	-0.55	0.89	0.02	0.49	-0.28	0.86	-0.23	0.93	0.09
8	0.62	-0.82	0.26	-0.56	0.87	0.02	0.77	-0.19	0.94	0.00	0.79	0.04
9	-0.31	-1.47	0.20	-0.52	0.77	-0.14	0.95	-0.18	1.02	-0.20	0.79	-0.18
10	-0.70	-1.17	0.32	-0.41	0.91	-0.05	0.97	0.01	0.84	-0.08	1.06	0.02
11	-0.14	-0.67	0.63	-0.20	0.96	-0.15	1.06	-0.03	1.34	0.31	1.28	0.43
12	0.59	-0.77	0.56	-0.41	1.10	-0.07	0.94	-0.18	1.13	0.16	0.66	-0.16
13	0.69	-0.41	0.54	-0.43	1.36	0.17	0.93	-0.04	0.77	0.14	0.49	-0.26
14	0.09	-0.84	0.84	-0.31	1.44	0.35	0.51	0.02	0.92	0.14	0.70	-0.10
15	2.24	-0.43	0.70	-0.04	1.10	0.35	1.15	0.33	1.20	0.41	0.69	-0.14
16	2.59	1.32	0.78	-0.13	1.42	0.43	1.17	-0.23	1.20	0.11	0.24	-0.48
17	1.34	0.48	0.25	-0.37	1.28	0.00	0.78	-0.06	0.85	0.00	0.30	-0.48
18	1.65	0.66	0.74	-0.30	1.03	0.02	0.87	0.23	0.51	-0.34	0.47	-0.31
19	2.01	0.88	1.05	-0.24	0.91	0.10	0.98	0.13	0.33	-0.46	0.46	-0.23
20	1.92	0.39	0.89	-0.20	0.95	0.01	1.02	-0.10	0.34	-0.45	0.44	-0.39
21	1.34	-0.07	0.67	-0.26	0.71	-0.06	0.41	-0.34	0.63	-0.15	0.56	-0.41
22	0.80	-0.27	0.64	-0.24	0.63	-0.22	0.30	-0.50	0.75	-0.06	0.77	-0.20
23	0.74	-0.06	0.48	-0.14	0.46	-0.27	0.88	-0.28	0.72	-0.20	0.51	-0.40
24	0.47	-0.60	0.32	-0.43	0.68	-0.27	0.64	-0.24	0.98	-0.08	0.60	-0.36
25	-0.08	-0.75	0.02	-0.74	0.62	-0.22	0.51	-0.44	0.95	-0.04	0.72	-0.17
26	0.19	-0.66	0.45	-0.58	0.45	-0.46	0.58	-0.46	0.85	-0.21	0.84	-0.08
27	0.52	-0.44	0.49	-0.48	0.51	-0.37	0.88	-0.30	0.83	-0.28	0.93	0.03
28	0.76	-0.12	0.44	-0.38	0.38	-0.57	1.06	0.08	0.62	-0.10	1.07	0.16
29	0.64	-0.27	0.42	-0.58	0.62	-0.59	0.53	-0.13	0.98	0.10	0.77	-0.12
30	0.82	-0.04	0.65	-0.34	0.14	-0.29	0.96	-0.12	1.06	0.16	0.80	-0.20
31	---	---	0.13	-0.25	---	---	0.98	-0.11	1.06	0.16	---	---
Max	2.59	1.32	1.05	-0.04	1.75	0.54	1.36	0.33	1.34	0.41	1.28	0.43
Min	-0.70	-1.47	0.02	-0.92	0.14	-0.59	0.30	-0.50	0.33	-0.46	0.24	-0.48

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued