

Water-Data Report 2009

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PERIOD OF RECORD.--Unpublished fragmentary gage-height record, June 1997 to March 2000.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.--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, 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 Jan 17-23, 25-28, Feb 6-7, Mar 5, and short portions of other days. Gage cannot measure tide levels below -1.78 ft. Tide levels below -1.78 have been 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 dash (--) lines. Satellite 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 (adjusted to NAVD of 1988), Dec 11, 1992, from high-water mark at the foot of South Bayview Avenue in Seaside Park.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 2.05 ft, Sep 11; minimum elevation, estimated at -1.8 ft, Dec 23.

Statistics of Tide Elevations, in feet
 Water Year October 2008 to September 2009
 [e, estimated]

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	0.72	0.37	-0.01
November	0.51	0.17	-0.19
December	0.14	e-0.2	e-0.6
CALENDAR YEAR 2008	0.54	0.20	-0.16
January	---	---	---
February	e0.3	e-0.1	e-0.5
March	0.40	0.05	-0.32
April	0.54	0.20	-0.17
May	0.58	0.24	-0.11
June	1.13	0.76	0.37
July	1.05	0.69	0.31
August	0.83	0.48	0.10
September	0.96	0.60	0.21
WATER YEAR 2009	0.63	0.28	-0.09

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[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	1.42	0.96	0.50	0.01	-0.34	-0.74	1.69	1.16	1.02	-0.34	-0.68	-0.97
2	1.24	0.75	0.23	0.24	-0.21	-0.70	0.11	-0.19	-0.66	0.03	e-0.4	-0.67
3	0.74	0.24	-0.24	0.54	0.07	-0.30	-0.01	-0.44	-0.81	-0.26	-0.68	-1.12
4	0.26	-0.16	-0.62	0.22	-0.18	-0.53	-0.15	-0.48	-0.90	-0.64	-0.92	-1.21
5	0.03	-0.25	-0.58	0.04	-0.32	-0.75	-0.20	-0.60	-0.92	-0.15	-0.51	-0.73
6	0.34	-0.14	-0.52	0.72	0.21	0.04	0.29	-0.20	-0.52	0.03	-0.38	-0.80
7	0.34	-0.10	-0.47	0.98	0.51	0.16	0.45	-0.03	-0.16	1.06	0.43	-0.78
8	0.58	0.04	-0.40	1.12	0.74	0.24	-0.54	-0.85	-1.16	0.86	0.15	0.30
9	0.42	0.10	-0.28	0.98	0.55	0.24	-0.24	-0.61	-1.21	-0.50	-0.93	-1.29
10	0.36	-0.07	-0.50	0.72	0.25	-0.13	0.39	-0.11	-0.69	0.06	-0.67	-1.40
11	0.42	-0.05	-0.44	0.40	-0.01	-0.38	0.88	-0.26	-0.88	0.74	0.12	-0.50
12	0.53	0.08	-0.31	0.52	0.04	-0.49	1.76	0.91	0.38	0.74	0.23	-0.32
13	0.56	0.16	-0.26	1.05	0.32	-0.41	0.57	0.05	-0.40	0.92	0.32	-0.25
14	1.03	0.53	-0.12	1.35	0.78	0.24	0.70	0.04	-0.61	0.79	0.10	-0.44
15	1.00	0.57	0.11	1.84	1.09	0.22	0.67	0.14	-0.40	0.20	-0.24	-0.75
16	1.31	0.74	0.30	1.25	0.74	-0.03	0.39	-0.42	-1.01	0.06	---	---
17	0.95	0.49	-0.02	0.14	-0.27	-0.64	0.67	-0.05	-0.50	---	---	---
18	0.84	0.38	-0.18	0.38	-0.14	-0.65	0.27	-0.11	-0.52	---	---	---
19	1.17	0.60	-0.13	0.92	0.29	-0.27	0.53	-0.02	-0.51	---	---	---
20	2.00	1.40	0.91	1.04	0.63	0.34	0.98	e0.5	e0.2	---	---	---
21	1.60	1.18	0.79	0.56	0.18	-0.24	1.61	1.14	0.25	---	---	---
22	0.54	0.20	-0.33	0.35	-0.16	-0.56	---	-0.53	---	---	---	---
23	1.28	0.57	-0.19	-0.32	-0.69	-1.00	-1.43	---	e-1.8	---	---	---
24	1.12	0.71	0.29	0.06	-0.44	-1.09	-0.08	e-0.8	e-1.5	0.35	---	---
25	2.04	0.91	0.14	0.79	0.29	-0.30	-0.51	-0.84	-1.30	---	---	---
26	1.38	0.99	0.53	0.74	0.28	-0.08	-0.37	-0.96	-1.61	---	---	---
27	1.14	0.68	0.29	0.83	0.29	-0.15	0.29	-0.25	-0.84	---	---	---
28	1.46	0.79	0.12	0.82	0.25	-0.20	0.63	0.00	-0.44	---	---	---
29	0.11	-0.25	-0.78	0.56	0.08	-0.39	-0.14	-0.51	-0.97	0.10	---	-0.67
30	-0.17	-0.55	-1.00	0.63	0.30	-0.35	0.00	-0.51	-0.93	0.13	---	---
31	0.34	-0.17	-0.61	---	---	---	0.49	-0.28	-0.70	0.13	---	---
Max	2.04	1.40	0.91	1.84	1.09	0.34	1.76	1.16	1.02	1.06	0.43	0.30
Min	-0.17	-0.55	-1.00	-0.32	-0.69	-1.09	-1.43	-0.96	e-1.8	-0.64	-0.93	-1.40

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	February			March			April			May		
1	0.11	---	-0.65	0.19	-0.21	-0.71	0.72	0.34	-0.01	0.57	0.21	-0.22
2	0.30	-0.12	-0.52	0.86	0.31	-0.17	0.98	0.30	-0.34	0.48	-0.01	-0.48
3	0.88	0.31	-0.14	0.72	-0.08	-0.81	1.32	0.63	0.32	0.43	0.05	-0.39
4	1.52	0.83	0.54	-0.07	---	---	1.35	0.67	0.26	0.45	0.05	-0.36
5	0.55	---	---	---	---	---	0.29	-0.10	-0.54	0.60	0.11	-0.43
6	---	---	---	0.04	-0.37	-0.91	1.18	0.38	-0.37	0.85	0.30	-0.14
7	---	---	---	0.03	-0.37	-0.81	1.19	0.71	0.23	0.95	0.55	0.09
8	0.60	---	-0.42	0.33	-0.15	-0.54	0.66	0.30	-0.14	1.12	---	---
9	0.23	-0.25	-0.75	0.66	0.10	-0.54	0.50	0.28	-0.17	0.82	0.67	0.27
10	0.49	0.00	-0.65	0.91	0.41	-0.12	0.85	0.25	-0.22	1.28	0.35	-0.26
11	0.94	0.48	-0.20	1.07	0.55	0.04	0.69	0.00	-0.54	0.45	0.03	-0.36
12	1.38	0.76	0.50	0.07	-0.15	-0.62	0.70	0.03	-0.61	0.58	0.17	-0.18
13	0.14	-0.54	-1.00	0.01	-0.47	-0.89	0.29	-0.24	-0.70	0.70	0.12	-0.30
14	0.27	-0.17	-0.52	0.11	-0.24	-0.59	0.12	-0.37	-0.80	0.68	0.40	0.06
15	0.17	-0.32	-0.71	0.29	-0.17	-0.62	0.21	-0.08	-0.53	0.81	0.07	-0.48
16	0.38	-0.01	-0.42	0.23	-0.27	-0.71	1.04	0.46	0.02	0.40	0.07	-0.36
17	0.40	0.08	-0.23	0.22	-0.12	-0.37	0.65	0.18	-0.09	0.77	0.17	-0.26
18	0.95	0.51	0.22	0.47	0.18	-0.07	0.16	-0.20	-0.57	0.27	-0.10	-0.46
19	1.31	0.81	0.39	0.38	-0.19	-0.57	0.38	0.02	-0.35	0.31	-0.03	-0.44
20	0.42	-0.15	-0.08	0.06	-0.28	-0.66	1.22	0.34	-0.11	0.28	-0.12	-0.48
21	-0.75	-1.01	-1.35	0.41	0.05	-0.36	1.48	1.06	0.60	0.38	-0.11	-0.44
22	-0.02	-0.47	-1.07	0.46	-0.03	-0.39	1.11	0.73	0.21	0.41	-0.07	-0.37
23	-0.31	-0.79	-1.29	-0.11	-0.49	-0.82	0.65	0.28	-0.28	0.68	-0.10	-0.60
24	-0.90	-1.31	-1.62	0.33	-0.30	-0.80	0.57	-0.02	-0.46	0.64	0.44	0.08
25	0.03	-0.66	-1.30	1.23	0.39	-0.24	0.30	0.09	-0.26	0.98	0.22	-0.33
26	0.17	-0.21	-0.66	1.42	0.95	0.50	0.62	0.04	-0.41	0.79	0.26	-0.26
27	0.61	0.18	-0.44	1.04	0.73	0.21	0.58	0.14	-0.26	0.98	0.47	-0.01
28	0.78	-0.18	-0.82	1.14	0.51	-0.02	0.75	0.22	-0.25	1.02	0.54	0.13
29	---	---	---	1.19	0.75	0.18	0.25	-0.36	-0.81	1.38	0.97	0.52
30	---	---	---	1.39	0.49	-0.36	0.28	-0.14	-0.50	1.68	0.93	0.37
31	---	---	---	0.46	-0.02	-0.43	---	---	---	1.11	0.72	0.27
Max	1.52	0.83	0.54	1.42	---	---	1.48	1.06	0.60	1.68	0.97	0.52
Min	-0.90	-1.31	-1.62	-0.11	---	---	0.12	-0.37	-0.81	0.27	-0.12	-0.60

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[*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			
1	1.02	0.51	0.07	1.51	1.00	0.48	0.71	0.22	-0.29	0.80	0.22	-0.20
2	0.68	0.33	-0.16	1.56	1.11	0.62	1.03	0.37	-0.04	0.84	0.38	-0.03
3	0.59	0.20	-0.23	1.33	0.86	0.31	0.91	0.40	-0.13	0.85	0.39	-0.02
4	0.91	0.26	-0.15	1.13	0.66	0.12	1.01	0.41	0.08	1.06	0.49	0.08
5	0.87	0.39	-0.07	1.25	0.62	0.24	0.88	0.46	-0.01	0.88	0.58	0.17
6	1.31	0.73	0.34	1.24	0.60	0.14	0.56	0.34	-0.07	0.95	0.40	-0.04
7	1.23	0.71	0.37	1.00	0.89	0.46	0.91	0.32	-0.14	1.00	0.60	0.21
8	0.76	0.57	0.02	1.44	0.76	0.29	0.75	0.27	-0.11	0.88	0.50	0.10
9	1.10	0.74	0.39	1.22	0.56	0.12	0.78	0.43	0.05	0.92	0.51	0.02
10	1.32	0.67	0.14	1.08	0.56	0.14	0.84	0.42	0.05	1.07	0.62	0.20
11	1.14	0.71	0.31	0.98	0.66	0.17	0.84	0.45	0.01	2.05	1.02	-0.13
12	1.59	0.94	0.42	1.25	0.62	0.16	0.97	0.51	0.00	1.55	1.13	0.60
13	1.26	0.69	0.29	0.98	0.59	0.12	1.04	0.62	0.10	1.37	0.78	0.21
14	1.09	0.63	0.23	0.94	0.54	0.03	0.91	0.52	-0.04	1.43	0.84	0.30
15	1.14	0.75	0.36	0.85	0.36	-0.20	0.88	0.33	-0.24	1.40	0.82	0.25
16	1.04	0.65	0.20	1.12	0.66	0.26	0.85	0.26	-0.32	1.25	0.78	0.27
17	0.94	0.55	0.09	1.24	0.63	0.07	0.88	0.27	-0.24	1.67	1.07	0.55
18	1.64	0.98	0.32	1.24	0.75	0.20	1.26	0.45	0.04	1.56	1.07	0.56
19	1.31	0.83	0.24	1.09	0.52	-0.04	1.04	0.44	-0.05	0.95	0.55	0.12
20	1.58	0.86	0.46	0.96	0.40	-0.17	0.95	0.66	0.16	1.03	0.58	0.06
21	1.68	0.96	0.36	1.25	0.51	0.06	1.41	1.07	0.66	0.89	0.46	0.01
22	1.24	1.03	0.44	0.87	0.62	0.12	1.51	0.94	0.42	0.89	0.41	-0.06
23	1.70	1.13	0.58	1.17	0.62	0.06	1.46	1.02	0.47	0.84	0.39	-0.10
24	1.82	1.05	0.49	1.59	1.16	0.79	1.28	0.65	0.14	0.61	0.19	-0.24
25	1.51	0.92	0.49	1.49	1.04	0.50	0.86	0.38	-0.20	0.38	-0.02	-0.50
26	1.52	0.94	0.48	1.52	1.07	0.53	0.74	0.36	-0.04	1.17	0.63	0.27
27	1.52	0.93	0.44	1.26	0.84	0.31	0.64	0.14	-0.40	1.37	0.92	0.54
28	1.35	0.94	0.35	0.90	0.55	-0.04	0.88	0.38	-0.17	1.32	0.72	0.29
29	1.47	1.09	0.60	1.34	0.63	0.11	1.31	0.72	0.28	0.95	0.64	0.34
30	1.70	1.16	0.68	0.80	0.46	-0.14	1.13	0.65	0.07	0.59	0.27	-0.09
31	---	---	---	0.84	0.47	0.12	0.66	0.28	-0.24	---	---	---
Max	1.82	1.16	0.68	1.59	1.16	0.79	1.51	1.07	0.66	2.05	1.13	0.60
Min	0.59	0.20	-0.23	0.80	0.36	-0.20	0.56	0.14	-0.40	0.38	-0.02	-0.50

01408750 BARNEGAT BAY AT SEASIDE HEIGHTS, NJ—Continued