

Water-Data Report 2007

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ

BARNEGAT BAY

LOCATION.--Lat 39°39'14", long 74°11'09" referenced to North American Datum of 1983, Ship Bottom Borough, Ocean County, NJ, Hydrologic Unit 02040301, on south side of bridge carrying State Route 72 across East Thorofare (Manahawkin Bay) between Bonnet Island and Long Beach Island, 2.0 mi southeast of Bayside, 9.0 mi southwest of Barnegat Inlet, and 11.5 mi northeast of Little Egg Inlet.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, July 1997 to May 5, 2000. Continuous-record tide gage, May 5, 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 1.25 ft. To determine approximate elevations to Mean Lower Low Water datum, add 0.64 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Feb 7-11, Feb 15-19, 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 dashed (---) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 3.52 ft, Oct 25, 2005; minimum elevation recorded, -2.27 ft, Nov 14, 2003, although a lower tide likely occurred during period of missing record on Feb 16, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 2.70 ft, Nov 23; minimum elevation recorded, -2.23 ft, Feb 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	1.05	0.31	-0.41
November	1.22	0.45	-0.30
December	0.47	-0.32	-0.99
CALENDAR YEAR 2006	0.91	0.15	-0.58
January	0.49	-0.26	-0.97
February	---	---	---
March	0.32	-0.40	-1.08
April	0.95	0.18	-0.55
May	0.68	-0.08	-0.79
June	1.06	0.31	-0.41
July	0.93	0.19	-0.52
August	1.13	0.37	-0.36
September	0.94	0.19	-0.51
WATER YEAR 2007	0.82	0.07	-0.64

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

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	1.38	-0.39	1.14	-0.87	0.85	-0.84	1.40	-0.97	0.99	-1.12	0.86	-0.92
2	1.10	-0.52	1.37	-0.58	0.48	-1.12	1.27	-0.78	1.30	-0.85	1.76	-0.62
3	0.94	-0.72	1.30	-0.46	0.71	-1.48	0.59	-1.33	0.95	-1.13	1.52	-0.22
4	1.26	-0.77	1.25	-0.75	1.34	-1.01	0.52	-1.51	-0.44	-1.88	0.95	-0.90
5	1.45	-0.53	1.22	-0.85	1.19	-1.00	0.96	-1.18	-0.84	-2.14	0.28	-1.24
6	2.34	-0.34	1.28	-0.83	1.29	-1.01	0.99	-0.91	-1.51	-2.23	-0.71	-2.09
7	2.63	0.65	1.26	-0.91	1.10	-0.60	0.47	-1.12	---	---	-0.41	-1.99
8	1.94	-0.09	1.92	-0.52	0.12	-1.70	1.25	-0.50	---	---	0.21	-1.46
9	1.58	-0.40	2.09	0.20	-0.29	-1.81	0.27	-1.23	---	---	-0.12	-1.44
10	1.59	-0.45	1.45	-0.37	-0.48	-1.82	0.08	-1.44	---	---	0.17	-1.42
11	2.04	-0.11	1.20	-0.60	-0.07	-1.73	-0.23	-1.35	---	---	0.07	-1.32
12	2.12	0.43	1.32	-0.29	0.51	-0.86	-0.06	-1.83	---	---	0.04	-1.39
13	1.52	-0.23	1.96	0.57	0.64	-0.50	-0.29	-1.36	-0.23	---	0.09	-1.18
14	1.42	-0.20	1.85	0.50	0.45	-0.80	0.53	-1.35	1.67	-1.24	0.35	-1.18
15	0.94	-0.42	1.25	-0.02	0.60	-0.99	1.02	-0.74	---	---	0.39	-1.23
16	0.96	-0.53	1.27	-0.35	0.83	-0.73	1.02	-0.81	---	---	1.57	-1.20
17	---	-0.43	1.46	-0.10	0.75	-1.02	0.59	-1.12	---	---	2.08	0.15
18	1.31	---	1.06	-0.62	0.63	-1.22	0.84	-1.28	---	---	0.85	-1.02
19	1.28	-0.31	1.30	-0.60	0.96	-1.07	1.36	-0.88	---	---	0.22	-1.48
20	1.55	-0.16	1.30	-0.55	1.02	-1.05	0.37	-1.44	0.12	---	0.35	-1.33
21	0.66	-0.99	1.01	-0.84	0.56	-1.24	0.00	-1.89	0.62	---	0.36	-1.54
22	0.82	-1.08	1.92	-0.48	0.63	-1.53	1.02	-1.01	1.00	---	0.47	-1.38
23	1.36	-0.46	2.70	0.97	1.52	---	1.30	-0.64	1.29	---	0.20	-1.53
24	1.35	-0.55	2.01	0.16	0.96	-0.99	1.07	-0.62	0.82	-1.12	0.27	-1.30
25	1.09	-0.75	1.78	-0.01	0.53	-1.19	1.14	-0.59	0.73	-0.86	0.84	-1.08
26	1.01	-0.81	1.25	-0.55	1.42	-0.32	0.99	-1.50	1.29	-0.20	0.42	-1.19
27	1.29	-0.54	0.84	-0.82	0.95	-1.02	0.42	-0.87	1.33	-0.36	0.45	-1.18
28	2.44	0.54	0.97	-0.73	0.40	-1.25	1.02	-0.63	1.07	-0.65	0.59	-1.08
29	0.56	-0.99	1.13	-0.32	0.34	-1.09	1.16	-0.76	---	---	0.26	-1.13
30	-0.76	-2.14	0.92	-0.63	0.78	-1.16	0.83	-0.86	---	---	0.59	-1.06
31	0.62	-1.83	---	---	0.69	-1.10	0.78	-1.08	---	---	0.67	-1.00
Max	2.63	0.65	2.70	0.97	1.52	-0.32	1.40	-0.50	1.67	---	2.08	0.15
Min	-0.76	-2.14	0.84	-0.91	-0.48	-1.82	-0.29	-1.89	---	---	-0.71	-2.09

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

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	0.87	-0.92	1.03	-0.85	0.44	-0.75	0.62	-0.67	1.46	-0.43	1.53	-0.31
2	1.17	-0.66	1.16	-0.64	0.97	-0.93	1.26	-0.72	1.40	-0.46	1.35	-0.48
3	0.93	-0.68	0.44	-0.96	0.95	-0.70	1.09	-0.79	1.16	-0.62	1.12	-0.52
4	1.40	-0.27	0.79	-1.10	1.83	0.32	1.04	-0.71	1.03	-0.62	0.92	-0.77
5	1.86	-0.56	0.68	-0.94	1.98	-0.12	1.00	-0.72	1.21	-0.60	1.16	-0.62
6	0.70	-0.97	0.97	-0.70	1.62	-0.35	0.91	-0.67	1.19	-0.54	1.08	-0.58
7	0.79	-0.61	1.13	-0.83	1.26	-0.52	0.92	-0.72	1.26	-0.49	0.92	-0.74
8	0.96	-1.29	0.69	-1.07	1.11	-0.48	1.00	-0.67	1.37	-0.44	0.80	-0.96
9	-0.08	-1.87	0.61	-1.02	1.32	-0.32	1.15	-0.67	1.50	-0.51	1.20	-0.64
10	-0.30	-1.34	0.64	-0.85	1.38	-0.39	1.17	-0.76	1.86	-0.39	1.42	-0.38
11	0.39	-1.04	0.86	-0.70	1.38	-0.54	1.48	-0.62	1.71	0.02	1.51	-0.25
12	0.96	-1.22	1.06	-0.71	1.60	-0.47	1.44	-0.59	1.41	-0.40	1.07	-0.57
13	1.12	-0.71	1.11	-0.61	2.21	-0.12	1.35	-0.76	1.50	-0.38	0.87	-0.64
14	0.41	-1.33	0.91	-0.90	2.02	0.07	1.35	-0.74	1.20	-0.29	1.00	-0.59
15	2.50	-1.16	0.65	-1.13	1.83	-0.09	0.78	-0.69	1.47	-0.35	1.28	-0.38
16	2.67	0.45	1.04	-1.20	1.12	-0.37	1.32	-0.53	1.15	-0.43	0.87	-0.73
17	2.33	0.25	0.77	-0.83	1.59	-0.42	1.32	-0.51	1.06	-0.44	0.91	-0.64
18	2.11	0.31	1.52	-0.25	1.45	-0.54	1.20	-0.44	1.00	-0.63	1.10	-0.31
19	2.48	0.34	1.84	-0.62	1.27	-0.51	1.29	-0.32	0.66	-0.78	0.86	-0.46
20	2.24	-0.25	1.32	-0.72	1.30	-0.33	1.12	-0.36	1.02	-0.61	0.68	-0.62
21	1.72	-0.69	1.16	-0.75	1.21	-0.41	0.81	-0.60	1.52	-0.15	0.89	-0.66
22	1.18	-0.79	0.99	-0.88	0.97	-0.49	0.83	-0.56	1.29	-0.16	1.10	-0.57
23	1.09	-0.86	0.69	-0.95	0.90	-0.52	1.29	-0.37	1.12	-0.38	0.99	-0.60
24	0.51	-1.14	0.48	-1.04	0.82	-0.66	0.78	-0.67	1.18	-0.53	1.07	-0.65
25	0.50	-0.92	0.12	-1.19	0.69	-0.82	0.89	-0.74	1.21	-0.57	0.94	-0.90
26	0.93	-0.85	0.56	-0.99	0.66	-0.91	0.94	-0.77	1.34	-0.54	1.04	-0.78
27	0.83	-0.75	0.67	-0.92	0.63	-1.05	1.16	-0.79	1.40	-0.52	1.29	-0.63
28	1.06	-0.54	0.78	-0.79	0.85	-0.96	1.40	-0.61	1.45	-0.47	1.59	-0.39
29	0.96	-0.50	0.75	-0.93	1.12	-0.86	1.46	-0.49	1.27	-0.40	1.39	-0.55
30	1.18	-0.55	0.89	-0.94	1.19	-0.76	1.44	-0.51	1.45	-0.31	1.42	-0.61
31	---	---	0.92	-0.91	---	---	1.06	-0.43	1.57	-0.22	---	---
Max	2.67	0.45	1.84	-0.25	2.21	0.32	1.48	-0.32	1.86	0.02	1.59	-0.25
Min	-0.30	-1.87	0.12	-1.20	0.44	-1.05	0.62	-0.79	0.66	-0.78	0.68	-0.96

01409146 EAST THOROFARE AT SHIP BOTTOM, NJ—Continued