



Water-Data Report 2009

01411390 CAPE MAY HARBOR AT CAPE MAY, NJ

CAPE MAY HARBOR

LOCATION.--Lat 38°56'55", long 74°53'26" referenced to North American Datum of 1983, Cape May City, Cape May County, NJ, Hydrologic Unit 02040302, on Pier 4 at U.S. Coast Guard Station in Cape May, 0.7 mi east of east entrance to Cape May Canal, and 1.0 mi west of Cape May Inlet.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum tide, water years 1965-85, 1992. Unpublished fragmentary gage-height record, September 1997 to May 2000. Continuous-record tide gage, June 2000 to current year.

GAGE.--Tide level, water temperature, precipitation, air temperature, relative humidity, air pressure, and wind speed and direction 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 1.31 ft. To determine approximate elevations in Mean Lower Low Water datum, add 2.77 ft (revised to Tidal Epoch 1983-2001). From water year 1965-85 and 1992, datum of crest-stage gage at 0.00 ft NGVD of 1929. Data published to NGVD of 1929 can be adjusted to NAVD of 1988 by subtracting 1.31 ft. Online annual tidal peaks have been adjusted to current datum.

REMARKS.--Missing gage-height record on Jul 21, 24-29, and short portions of other days. The gage was temporarily removed from Jun 26, 2008 to Jun 4, 2009 due to pier reconstruction. 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 recorded, 5.53 ft (adjusted to NAVD of 1988), Oct 25, 1980; minimum elevation, estimated at -5.6 ft, Mar 9, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.11 ft, Jun 22, although a higher tide likely occurred on Oct 19 during the period when the gage was temporarily removed due to pier reconstruction; minimum elevation recorded, -3.63 ft, Aug 19, although a lower tide likely occurred on Jan 9 during the period when the gage was temporarily removed due to pier reconstruction.

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	---	---	---
November	---	---	---
December	---	---	---
CALENDAR YEAR 2008	---	---	---
January	---	---	---
February	---	---	---
March	---	---	---
April	---	---	---
May	---	---	---
June	e2.4	e-0.2	e-2.0
July	---	---	---
August	1.94	-0.19	-2.44
September	2.28	0.22	-1.93
WATER YEAR 2009	---	---	---

01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued

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

Day	High-high	Mean	Low-low									
	June			July			August			September		
1	---	---	---	2.89	0.58	-1.72	2.00	-0.38	-2.18	2.62	0.29	-1.88
2	---	---	---	2.84	0.55	-1.64	2.14	-0.15	-2.18	2.42	0.19	-1.71
3	---	---	---	2.69	0.22	-1.90	2.35	-0.21	-2.32	2.70	0.24	-2.06
4	2.78	---	---	2.67	0.05	-2.07	2.33	-0.27	-2.36	2.48	0.31	-1.82
5	3.20	0.38	-2.06	2.71	0.05	-2.12	2.31	-0.37	-2.54	2.21	-0.10	-2.44
6	2.76	0.30	-2.14	2.79	0.00	-2.24	2.46	-0.22	-2.91	2.60	0.05	-2.55
7	2.74	-0.18	-2.45	2.74	0.03	-2.04	2.14	-0.28	-2.46	2.58	0.30	-1.94
8	2.84	-0.21	-2.56	2.76	0.07	-2.17	2.20	-0.36	-2.71	2.58	0.17	-2.04
9	2.81	0.03	-2.08	2.95	0.17	-2.20	1.81	-0.35	-2.73	2.86	0.39	-2.03
10	2.86	0.16	-2.07	2.46	0.09	-1.94	2.12	-0.23	-2.51	3.62	1.43	-0.63
11	2.80	0.33	-1.76	2.09	-0.21	-2.21	2.01	-0.20	-2.41	3.58	1.40	-1.26
12	1.51	0.16	-1.75	1.59	-0.30	-2.88	2.24	0.03	-2.30	2.62	0.14	-2.00
13	2.42	0.18	-1.73	2.09	0.02	-2.11	2.56	0.38	-1.80	2.84	0.36	-1.70
14	2.37	0.31	-1.67	2.01	-0.09	-2.04	2.16	-0.07	-2.16	3.02	0.44	-1.96
15	2.30	0.34	-1.56	1.90	-0.36	-2.54	2.26	-0.24	-2.46	3.20	0.26	-2.33
16	2.12	0.29	-1.68	2.05	-0.25	-2.48	2.44	-0.28	-2.72	e3.8	e0.6	-2.32
17	2.21	0.21	-1.80	2.62	0.16	-2.14	2.66	-0.32	-2.96	3.52	1.04	-1.65
18	2.42	0.24	-1.92	2.94	0.15	-2.42	2.89	-0.38	-3.29	2.89	0.05	-3.16
19	3.00	0.23	-2.22	2.99	-0.11	-2.81	3.14	-0.41	-3.63	2.69	-0.18	-3.40
20	3.60	0.32	-2.36	---	---	-3.06	3.17	-0.24	-3.45	2.80	-0.22	-3.24
21	3.96	0.52	-2.35	---	---	---	2.83	-0.32	-3.50	2.68	-0.29	-2.95
22	4.11	0.58	-2.35	3.35	---	-3.56	2.86	-0.13	-3.20	2.53	-0.26	-2.67
23	3.82	0.38	-2.70	---	---	-3.36	3.03	0.08	-2.66	2.31	-0.35	-2.52
24	3.58	-0.01	-3.13	---	---	---	2.43	-0.38	-2.94	1.87	-0.48	-2.47
25	3.33	-0.05	-2.96	---	---	---	2.34	-0.29	-2.80	2.40	0.16	-1.85
26	2.24	-0.08	-3.02	---	---	---	1.83	-0.47	-2.70	2.45	0.59	-1.02
27	3.10	0.11	-2.71	---	---	---	2.15	-0.18	-2.38	2.20	0.39	-1.42
28	2.84	0.38	-2.31	---	---	---	2.10	0.03	-1.94	1.86	-0.08	-1.95
29	2.68	0.46	-2.07	---	---	---	2.58	0.39	-1.44	1.70	-0.12	-2.45
30	2.76	0.46	-1.79	1.98	---	---	2.35	0.08	-1.84	2.10	-0.21	-1.96
31	---	---	---	1.86	-0.42	-2.56	2.02	-0.11	-1.88	---	---	---
Max	4.11	0.58	-1.56	---	---	-1.64	3.17	0.39	-1.44	e3.8	1.43	-0.63
Min	1.51	---	---	1.59	-0.42	-3.56	1.81	-0.47	-3.63	1.70	-0.48	-3.40

01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued

