01408050 MANASQUAN RIVER AT POINT PLEASANT, NJ

MANASQUAN RIVER BASIN

LOCATION.--Lat 40°06′06″, long 74°02′15″ referenced to North American Datum of 1983, Point Pleasant Beach Borough, Ocean County, NJ, Hydrologic Unit 02040301, on right bank along Cooks Creek at the U.S. Coast Guard Station Manasquan Inlet in Point Pleasant, 0.3 mi west of inlet mouth, and 0.7 mi east of State Route 35 bridge over Manasquan River.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, September 1997 to May 2000.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

GAGE.--Water-stage, air temperature, water temperature, wind speed and direction, barometric pressure, and precipitation 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 1.10 ft. To determine approximate elevations in Mean Lower Low Water datum, add 2.43 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Feb 6, Feb 8-9, and short portions of other days. Gage cannot measure tide levels below -3.80 ft. Tide levels below -3.80 have been estimated. From Dec 6, 2002 to Aug 2, 2005, gage could not measure tide levels below -2.86 ft; prior to Dec 6, 2002, gage could not measure below -3.03 ft. 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 and weather telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.41 ft, Jan 31, 2006; minimum elevation recorded, estimated at -5.2 ft, Jan 20, 2007, although a lower tide likely occurred during period of partially missing record on Feb 16, 2007 (elevation could not be accurately estimated).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 6.96 ft (from high-water mark at 58 Channel Drive across Cooks Creek from the U.S. Coast Guard Station, adjusted to NAVD of 1988), Dec 11, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.20 ft, Apr 16; minimum elevation recorded, estimated at -5.2 ft, Jan 20, although a lower tide likely occurred during period of partially missing record on Feb 16 (elevation could not be accurately estimated).

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

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	1.92	0.08	-1.87
November	2.07	0.21	-1.74
December	1.35	-0.54	-2.52
CALENDAR YEAR 2006	1.79	-0.07	-2.01
January	1.34	-0.52	-2.50
February	e1.1	e-0.6	---
March	1.15	e-0.6	e-2.6
April	1.81	-0.04	-1.95
May	1.52	-0.31	-2.22
June	1.90	0.07	-1.81
July	1.81	-0.03	-0.23
August	2.02	0.10	-1.89
September	1.86	-0.07	-2.08
WATER YEAR 2007	1.66	-0.18	-1.99

e Estimated.

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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
	October		November		December		January		February		March	
1	2.27	-1.57	2.11	-2.41	1.95	-3.16	2.85	-2.12	2.18	-2.65	1.80	-2.29
2	1.92	-2.01	2.49	-2.70	1.21	-3.78	2.22	-3.43	2.90	-2.44	2.98	-1.70
3	2.09	-2.63	2.50	-3.10	2.16	-3.26	1.90	-3.49	1.55	-3.52	2.41	-1.83
4	2.61	-2.17	2.72	-3.10	2.53	-3.50	1.91	-3.42	0.21	e-4.4	1.59	-2.93
5	2.82	-2.67	2.77	-3.24	2.58	-3.05	2.35	-2.70	-0.21	e-5.0	1.06	-3.68
6	3.80	-2.50	2.86	-3.22	2.77	-2.77	2.20	-2.59	---	---	-0.02	---
7	4.19	-1.88	2.85	-2.98	2.40	-2.56	1.35	-2.87	0.40	---	1.06	---
8	3.20	-2.85	3.47	-2.05	0.64	-3.56	2.27	-1.92	---	---	0.46	-3.18
9	3.02	-2.69	3.00	-1.44	0.81	-3.33	0.56	-2.76	---	---	0.85	-2.60
10	3.04	-2.40	2.28	-1.94	0.26	-3.32	0.64	-2.48	---	---	0.80	-2.41
11	3.37	-1.28	2.19	-1.33	0.87	-2.45	0.43	-2.19	0.71	-2.31	-0.07	-2.28
12	3.15	-0.82	1.97	-1.23	0.97	-1.74	0.66	-2.53	0.25	-2.74	0.68	-2.02
13	2.39	-1.22	2.53	-0.40	1.35	-1.78	0.63	-2.09	0.57	-2.46	0.81	-2.03
14	2.14	-1.69	2.39	-1.21	1.04	-1.98	1.37	-1.64	2.76	0.28	1.05	-2.24
15	1.51	-1.68	1.78	-1.45	1.32	-1.48	1.83	-1.61	0.80	e-4.2	1.16	-2.67
16	1.62	-1.71	1.97	-0.99	1.36	-2.33	1.73	-2.56	0.38	---	3.10	-1.36
17	2.19	-1.24	2.18	-2.11	1.76	-2.32	1.56	-2.88	0.87	---	3.22	-2.02
18	2.02	-1.20	1.90	-1.80	1.75	-2.47	1.96	-2.78	2.29	-3.81	1.76	e-4.4
19	2.14	-1.61	2.35	-1.84	2.06	-2.55	2.62	-3.44	1.39	e-5.1	1.94	e-4.5
20	2.57	-1.40	2.44	-2.24	2.21	-2.67	1.35	e-5.2	2.01	-3.60	1.60	e-4.7
21	1.34	-2.97	2.17	-2.48	1.61	-3.74	1.80	e-4.5	2.24	-3.01	1.92	e-4.6
22	1.92	-2.46	2.94	-1.50	2.17	-3.16	2.40	-2.79	2.43	-2.30	1.40	-3.58
23	2.22	-1.96	3.80	-0.68	2.97	-2.02	2.18	-2.65	1.24	-2.64	0.65	-3.52
24	2.33	-1.96	2.86	-1.56	1.92	-3.09	1.96	-2.27	1.61	-2.29	1.41	-3.08
25	1.90	-2.34	2.73	-1.49	2.83	-2.84	2.36	-2.32	1.70	-1.79	1.85	-2.08
26	1.92	-1.98	2.05	-2.06	2.35	-1.94	1.82	-3.17	2.37	-1.31	1.11	-2.50
27	2.29	-1.36	1.63	-2.24	1.66	-2.62	1.52	-2.04	2.02	-1.76	1.35	-2.12
28	3.42	-1.43	1.76	-1.87	1.24	-2.90	2.00	-1.96	1.73	-2.24	1.23	-2.25
29	0.45	-3.70	1.92	-2.26	1.28	-2.49	2.12	-2.35	---	---	1.07	-2.61
30	0.43	-3.58	1.82	-2.51	1.84	-3.09	1.74	-2.70	---	---	1.50	-2.44
31	1.82	-2.34	---	---	1.74	-2.42	1.82	-2.54	---	---	1.55	-2.64
Max	4.19	-0.82	3.80	-0.40	2.97	-1.48	2.85	-1.61	2.90	---	3.22	---
Min	0.43	-3.70	1.63	-3.24	0.26	-3.78	0.43	e-5.2	-0.21	---	-0.07	---

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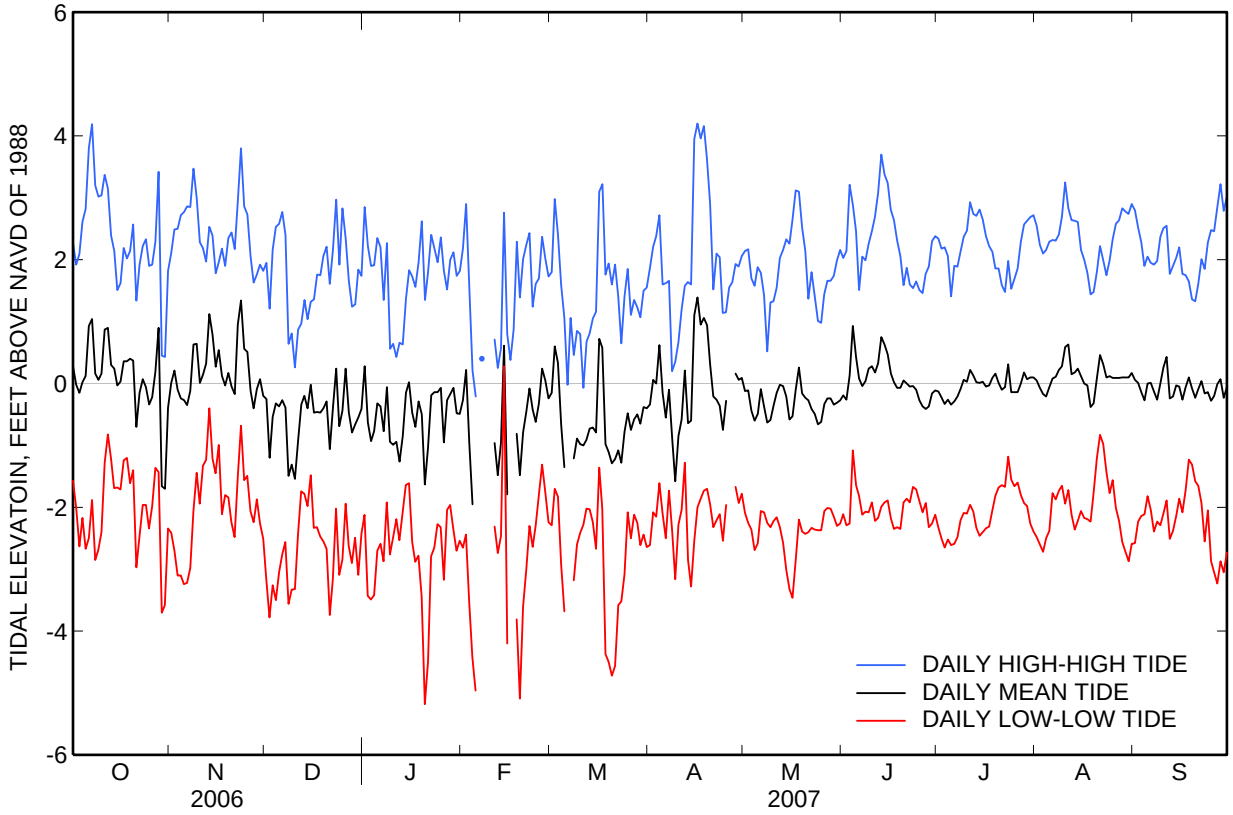
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
[e, estimated]

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	1.87	-2.61	2.14	-2.09	2.03	-2.11	2.34	-2.33	2.55	-2.48	2.80	-2.58
2	2.21	-2.08	2.17	-2.25	2.14	-2.29	2.18	-2.51	2.24	-2.60	2.52	-2.23
3	2.38	-2.15	1.70	-2.36	3.21	-2.26	2.20	-2.65	2.10	-2.72	2.28	-2.14
4	2.72	-1.61	1.58	-2.69	2.89	-1.08	2.06	-2.52	2.16	-2.50	1.90	-2.11
5	1.60	-2.10	1.88	-2.58	2.46	-1.64	1.41	-2.61	2.29	-2.38	2.05	-1.82
6	1.62	-2.50	1.79	-2.06	1.51	-1.82	1.90	-2.59	2.32	-1.77	1.95	-2.04
7	1.66	-1.73	1.43	-2.08	2.05	-2.12	1.89	-2.48	2.31	-1.87	1.92	-2.39
8	0.20	-2.39	0.52	-2.25	1.99	-2.07	2.13	-2.21	2.41	-1.73	1.98	-2.23
9	0.35	-3.16	1.31	-2.32	2.26	-2.08	2.37	-2.09	2.70	-1.65	2.37	-2.29
10	0.67	-2.28	1.33	-2.22	2.46	-1.92	2.47	-2.10	3.25	-1.94	2.51	-2.10
11	1.20	-2.04	1.55	-2.16	2.69	-2.22	2.93	-1.96	2.83	-1.72	2.55	-1.89
12	1.58	-1.28	2.03	-2.32	3.08	-2.17	2.74	-2.07	2.64	-2.12	1.77	-2.51
13	1.64	-2.85	2.16	-2.57	3.70	-1.99	2.71	-2.33	2.63	-2.36	1.90	-2.38
14	1.60	-3.28	2.33	-3.01	3.38	-1.92	2.81	-2.46	2.61	-2.22	2.03	-2.14
15	3.95	-2.54	2.26	-3.32	3.24	-1.89	2.65	-2.40	2.16	-2.06	2.20	-1.86
16	4.20	-2.00	2.65	-3.46	2.81	-2.18	2.38	-2.34	2.00	-2.17	1.77	-2.08
17	3.96	-1.86	3.12	-2.85	2.64	-2.35	2.22	-2.31	1.79	-2.19	1.75	-1.72
18	4.16	-1.73	3.10	-2.20	2.31	-2.32	2.13	-2.05	1.44	-2.23	1.65	-1.23
19	3.64	-1.70	2.52	-2.39	2.06	-2.35	1.86	-1.81	1.48	-1.76	1.36	-1.31
20	2.90	-1.95	2.14	-2.43	1.59	-1.92	1.86	-1.68	1.80	-1.21	1.33	-1.58
21	1.52	-2.32	1.37	-2.40	1.87	-1.86	1.59	-1.64	2.22	-0.83	1.61	-1.65
22	2.10	-2.21	1.80	-2.33	1.60	-1.92	1.48	-1.67	1.99	-0.98	2.01	-1.93
23	2.04	-2.11	1.41	-2.36	1.54	-1.67	1.98	-1.18	1.75	-1.43	1.85	-2.55
24	1.14	-2.54	1.01	-2.37	1.65	-1.71	1.53	-1.55	1.99	-1.77	2.28	-2.05
25	1.15	-1.96	0.98	-2.37	1.51	-1.90	1.69	-1.66	2.33	-1.56	2.48	-2.87
26	1.55	---	1.44	-2.06	1.46	-2.08	1.86	-1.60	2.58	-2.01	2.46	-3.05
27	1.64	---	1.66	-2.01	1.77	-1.93	2.29	-1.80	2.64	-2.22	2.85	-3.23
28	1.93	-1.67	1.66	-2.02	1.89	-2.32	2.57	-1.93	2.83	-2.56	3.22	-2.87
29	1.89	-1.93	1.74	-2.15	2.30	-2.26	2.63	-1.98	2.78	-2.72	2.79	-3.05
30	2.06	-1.78	1.99	-2.30	2.38	-2.12	2.69	-2.26	2.74	-2.87	3.02	-2.73
31	---	---	2.16	-2.26	---	---	2.72	-2.39	2.90	-2.59	---	---
Max	4.20	-1.28	3.12	-2.01	3.70	-1.08	2.93	-1.18	3.25	-0.83	3.22	-1.23
Min	0.20	-3.28	0.52	-3.46	1.46	-2.35	1.41	-2.65	1.44	-2.87	1.33	-3.23

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