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Water-Data Report 2006

01407080 WAACKAACK CREEK AT KEANSBURG, NJ

WAACKAACK CREEK BASIN

LOCATION.--Lat 40°26'55", long 74°08'51" referenced to North American Datum of 1983, Keansburg Borough, Monmouth County, NJ, Hydrologic Unit 02030104, on left bank just upstream of Bayshore Flood Control Station in Keansburg, 200 ft upstream from tide gate, 0.3 mi downstream from bridge on Laurel Avenue, and 1.3 mi east of Union Beach.

DRAINAGE AREA.--8.03 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, September 1997 to January 2000. Continuous-record tide gage, February 2000 to September 2006 (discontinued).

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 datum, add 1.18 ft. To determine approximate elevations to Mean Lower Low Water datum, add 3.10 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Feb 12-13 and portions of other days. Prior to Aug 16, 2004, gage could not measure tide levels below -2.62 ft; since Aug 16, 2004, gage cannot measure tide levels below -3.35 ft. Regulation by tide gate and pumps at Bayshore Flood Control Station. Bay Shore Flood Control Station construction began Jun 19, 1970 and was completed Jan 18, 1973. 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 OUTSIDE PERIOD OF RECORD.--Maximum known elevation, 7.9 ft (adjusted to NAVD of 1988), Nov 25, 1950, from high-water mark in Keansburg (prior to installation of flood gate), published in report entitled "Tidal Flood Plain Information - Sandy Hook Bay and Raritan Bay Shore Areas, Monmouth County, New Jersey", July 1972, by the U.S. Army Corp of Engineers.

EXTREMES FOR CURRENT YEAR.--No maximum elevation recorded due to regulation by Bayshore Flood Control Station; no minimum elevation recorded due to gage bottoming out.

Statistics of Tide Elevations, in feet
Water Year October 2005 to September 2006

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	---	---	-1.99
November	2.02	e-0.3	e-2.6
December	1.75	---	---
CALENDAR YEAR 2005	---	---	e-2.3
January	---	---	---
February	---	---	---
March	e1.8	---	---
April	e2.2	e-0.0	-2.50
May	e2.3	e0.2	-2.16
June	2.34	e0.1	-2.32
July	2.21	e0.0	-2.40
August	e2.3	e0.2	-2.17
September	---	---	-1.99
WATER YEAR 2006	e2.1	---	-2.41

e Estimated.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
[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	2.42	-2.55	2.96	-2.98	---	-2.47	---	e-3.4	---	-2.65	---	---
2	2.16	-2.80	2.89	-3.13	2.62	e-4.2	---	-3.31	---	-2.50	---	e-3.8
3	2.22	-2.99	3.16	-3.39	1.50	---	---	-1.05	---	-2.37	---	---
4	2.49	-2.90	2.77	e-3.6	---	-3.32	---	-1.92	---	-1.97	1.08	---
5	2.61	-2.97	---	-2.37	2.72	-3.31	---	---	---	-2.60	2.02	-2.98
6	2.67	-2.79	3.15	-2.13	2.82	-3.26	---	-2.55	1.14	e-3.8	1.86	-2.54
7	2.95	-2.44	2.22	-2.69	1.26	---	2.62	-2.64	0.57	-3.26	2.39	-1.69
8	3.09	-1.83	1.99	-2.60	1.39	---	2.21	-2.66	1.73	-2.23	1.88	-1.83
9	3.31	-1.65	3.16	-1.66	2.58	---	2.30	-2.97	1.81	-2.96	1.79	-1.68
10	3.08	-1.29	2.79	e-3.6	1.93	e-3.5	1.70	-3.14	1.75	-2.97	2.15	-2.41
11	3.05	-1.17	2.20	-3.16	2.48	-3.11	2.00	-2.87	2.24	-2.74	1.56	-3.01
12	---	0.09	2.47	e-3.5	2.29	-3.15	2.22	-3.32	---	---	1.77	-2.86
13	---	0.22	2.79	-3.20	2.94	-3.11	2.44	-3.11	---	---	2.26	-2.84
14	---	-0.35	2.97	e-3.7	2.98	---	---	-1.76	1.36	---	2.76	-3.20
15	---	-1.83	---	-3.22	2.82	---	---	-3.36	1.79	-3.32	1.07	---
16	2.88	e-4.1	---	-3.02	---	-2.44	2.38	---	1.88	-3.19	1.89	e-4.0
17	3.00	---	2.37	e-3.5	1.96	-3.30	2.38	---	1.73	e-3.8	2.02	-3.15
18	---	e-3.7	2.38	-3.37	2.13	-3.20	---	-3.09	0.49	e-4.0	1.83	-2.80
19	---	e-3.5	2.53	-2.83	1.86	-3.32	0.96	e-4.2	0.34	---	1.58	-3.04
20	---	-3.10	1.70	-2.88	1.60	-3.26	0.96	-3.05	0.96	---	1.14	-2.82
21	2.86	-2.31	1.86	-2.50	1.37	---	1.62	-2.91	1.59	-2.41	1.52	-2.52
22	---	-1.57	2.30	-2.15	1.20	-2.41	0.91	-3.05	1.75	-2.20	2.00	-2.10
23	3.05	-2.11	1.20	-2.42	1.00	-2.62	2.00	-2.03	2.32	-2.12	1.81	-2.35
24	2.88	-0.90	1.78	e-3.6	1.39	-2.22	2.02	-1.85	2.43	e-4.1	2.13	-2.06
25	---	-0.70	0.78	-2.76	2.18	-1.31	2.69	-3.32	2.38	-2.86	2.68	-2.00
26	---	-2.35	1.30	-2.49	2.58	-3.11	e1.6	-2.83	2.63	e-3.8	3.19	-2.66
27	1.84	-2.04	1.71	-2.38	1.43	-2.76	2.90	-2.93	2.56	e-3.8	---	-3.19
28	2.29	-1.75	2.37	-2.35	2.74	-2.34	2.36	e-4.3	2.82	---	---	e-3.7
29	2.42	-1.68	---	-2.19	---	-1.99	---	e-3.8	---	---	---	e-4.1
30	2.36	-2.39	---	-2.81	2.96	-3.36	---	e-3.4	---	---	---	e-4.0
31	2.72	-2.78	---	---	---	-2.89	---	-2.36	---	---	3.07	e-3.9
Max	---	0.22	---	-1.66	---	---	---	-1.05	---	---	---	-1.68
Min	---	e-4.1	---	e-3.7	---	---	---	e-4.3	---	---	---	e-4.1

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
[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	2.66	e-3.6	---	-2.35	2.20	-2.54	1.81	-2.32	2.16	-1.82	2.95	-0.86
2	2.43	-3.22	2.44	-1.53	1.91	-2.23	1.57	-2.46	2.25	-1.57	---	0.20
3	2.43	-2.62	2.50	-1.90	2.28	-1.36	1.55	-2.49	2.33	-1.48	2.89	-2.19
4	3.04	-2.32	2.52	-1.56	2.15	-1.62	1.99	-1.96	2.58	-1.54	2.97	-1.93
5	2.17	-1.72	2.26	-1.61	2.28	-1.67	2.21	-1.72	2.82	-1.50	---	-2.60
6	1.91	-2.05	1.91	-1.59	2.44	-1.91	2.42	-2.13	3.15	-1.93	---	-2.74
7	1.68	-1.89	1.76	-1.90	---	-1.35	2.52	-2.08	---	-2.45	---	-3.27
8	1.88	-1.91	2.20	-1.86	3.10	-1.61	2.77	-2.58	---	-2.96	---	e-3.5
9	2.27	-1.97	3.05	-1.91	---	-1.90	2.78	-2.65	---	-3.16	---	e-3.7
10	1.76	-2.84	2.75	-2.07	2.96	-2.23	---	-3.32	---	e-3.4	---	e-3.6
11	1.82	-2.99	---	-2.17	3.08	-3.17	---	e-3.4	---	e-3.5	---	-2.57
12	2.03	-3.17	---	-1.52	---	-2.97	---	e-3.5	---	-3.19	---	-1.84
13	2.05	-3.25	---	-2.08	---	-3.14	---	e-3.6	3.12	-3.33	---	-1.62
14	2.76	-3.11	---	-2.13	3.15	-3.00	---	e-3.4	---	-3.15	2.75	-1.55
15	3.07	-2.70	---	-2.21	2.36	-3.07	2.99	-3.09	2.54	-2.94	---	-1.07
16	2.64	-2.81	2.89	-2.31	3.19	-2.98	3.04	-2.86	2.48	-2.51	2.41	-1.71
17	2.70	-2.63	2.11	-2.62	2.56	-3.24	2.96	-2.68	2.61	-2.18	2.70	-1.25
18	1.55	-2.52	3.03	-2.18	2.50	-3.09	2.95	-2.50	2.25	-2.36	2.57	-1.90
19	2.75	-2.11	3.18	-2.02	2.59	-3.03	2.61	-2.72	2.34	-2.08	2.88	-2.06
20	2.52	-2.09	2.51	-2.54	2.74	-2.81	---	-2.15	2.54	-2.20	2.57	-2.05
21	2.54	-1.70	2.80	-2.48	2.78	-2.84	2.90	-2.13	2.60	-2.49	2.28	-2.73
22	3.01	-1.35	2.40	-3.27	3.04	-2.61	3.00	-2.26	2.76	-2.56	2.35	-2.69
23	3.05	-2.40	2.83	e-3.5	2.96	-2.93	2.91	-2.50	2.81	-2.64	2.51	-2.77
24	---	-2.78	---	-3.29	2.93	-2.99	3.02	-2.64	2.78	-2.59	2.40	-2.77
25	---	e-3.4	---	-3.16	3.18	-2.87	2.76	-2.74	2.62	-2.33	2.36	-2.74
26	---	e-3.4	---	-3.00	2.85	-2.85	2.70	-2.68	2.86	-2.02	2.19	-2.65
27	---	e-3.7	---	-2.86	2.82	-2.80	2.42	-2.66	2.85	-1.75	2.71	-1.95
28	---	-3.36	2.98	-3.01	2.87	-2.24	2.28	-2.46	2.38	-2.07	2.82	-1.54
29	---	e-3.6	2.84	-2.97	2.21	-2.40	1.98	-2.93	2.92	-1.55	2.37	-1.56
30	---	-3.03	2.36	-2.70	1.92	-2.35	2.20	-2.46	2.96	-0.96	2.34	-1.44
31	---	---	1.94	-2.63	---	---	2.25	-1.88	2.70	-1.04	---	---
Max	---	-1.35	---	-1.52	---	-1.35	---	-1.72	---	-0.96	---	0.20
Min	---	e-3.7	---	e-3.5	---	-3.24	---	e-3.6	---	e-3.5	---	e-3.7