

01407081 RARITAN BAY AT KEANSBURG, NJ

LOCATION.--Lat 40°26'57", long 74°08'51", Monmouth County, Hydrologic Unit 02030104, on south bank at Bayshore Flood Control Station in Keansburg, 20 ft downstream from tide gate, 0.3 mi downstream from bridge over Waackaack Creek on Laurel Avenue, and 1.3 mi east of Union Beach.

PERIOD OF RECORD.--September 1997 to October 2000 (unpublished fragmentary gage-height record), November 2000 to current year.

GAGE.--Water-stage, air temperature, water temperature, wind speed and direction, barometric pressure, and precipitation recorder. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate corresponding NGVD of 1929 elevation, add 1.18 ft. To determine approximate corresponding Mean Lower Low Water datum, add 3.10 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Jan. 21 to Jan. 23, Jan. 25, Jan. 27 to Jan. 30, Feb. 1 to Feb. 5, Jun. 6, and portions of numerous 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 and weather telemetry at station.

EXTREMES FOR PERIOD OF PUBLISHED RECORD.--Maximum elevation recorded, 5.46 ft (NAVD of 1988), Dec. 25, 2002. Minimum recorded elevation, -5.76 ft (NAVD of 1988), Dec. 12, 2000.

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 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 WATER YEAR.-- Maximum elevation recorded, 4.90 ft (NAVD of 1988), Dec. 10. Minimum elevation not recorded due to ice in well, Mar. 9.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Month	Maximum high tide		Minimum low tide		Monthly mean high tide	Monthly mean water level	Monthly mean low tide
	Date	Elevation	Date	Elevation			
OCT	24	4.18	16	-3.46	2.70	0.41	-2.00
NOV	28	4.50	26	-3.83	2.19	-0.07	-2.45
DEC	10	4.90	1	-4.19	2.08	-0.1e	-2.6e
JAN	12	4.45	11	-3.77	---	---	---
FEB	10, 28	4.15	11	-4.10	---	---	---
MAR	28	4.03	---	---	2.18	0.0e	-2.4e
APR	3	4.30	8	-3.65	2.57	0.23	-2.25
MAY	24, 25	4.76	5	-3.47	2.73	0.39	-2.11
JUN	22	3.87	25	-3.52	2.51	0.12	-2.40
JUL	21	4.24	23	-3.37	2.55	0.23	-2.24
AUG	19	4.24	22	-3.34	2.46	0.17	-2.23
SEP	17	4.04	19	-3.44	2.32	0.04	-2.35

e Estimated



01377370 Pascaack Brook at Park Ridge, NJ
(file photograph, U.S. Geological Survey, West Trenton, New Jersey)