

GROUND-WATER LEVELS

NASSAU COUNTY—Continued

404210073340801. Local number, N1615.4

LOCATION.--Lat 40°42'10", long 73°34'08", Hydrologic Unit 02030202, at south side of Van Buren Avenue, 34 ft west of Merrick Avenue, Freeport. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper glacial (water table).

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 33 ft, screened 30 to 33 ft.

INSTRUMENTATION.--Digital water-level recorder.

DATUM.--Land-surface datum is 61.0 ft above sea level. Measuring point: Top of coupling, 0.27 ft below land-surface datum.

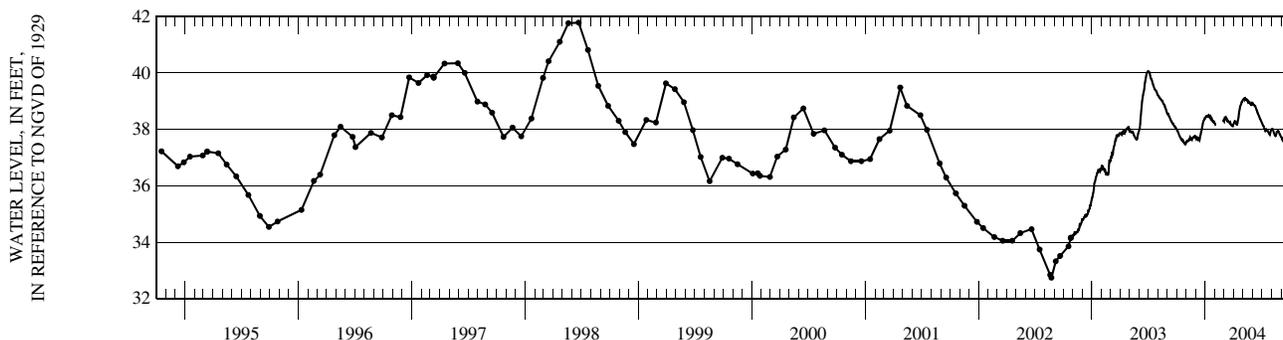
REMARKS.--Replaced well N1615.3 in October 1989 near same location.

PERIOD OF RECORD.--October 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft above sea level, June 11, 1990; lowest measured, 32.74 ft above sea level, August 23, 2002

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.91	37.58	37.68	38.47	---	38.42	38.26	39.10	38.86	38.13	38.00	37.63
10	37.76	37.62	37.63	38.47	---	38.33	38.18	39.07	38.80	38.01	37.83	37.73
15	37.67	37.67	37.75	38.46	---	38.28	38.33	39.04	38.66	38.00	37.77	37.81
20	37.57	37.69	37.99	38.37	---	38.22	38.68	38.96	38.52	37.93	37.93	37.76
25	37.51	37.72	38.25	38.26	---	38.14	38.88	38.89	38.38	37.83	37.88	37.67
EOM	37.53	37.72	38.39	38.22	38.29	38.15	39.01	38.92	38.26	37.97	37.75	37.78
MEAN	37.68	37.66	37.92	38.39	---	38.26	38.51	39.00	38.62	37.98	37.88	37.72
MAX	37.99	37.77	38.39	38.49	---	38.43	39.01	39.10	38.93	38.23	38.02	37.84
MIN	37.48	37.56	37.62	38.22	---	38.11	38.16	38.88	38.26	37.81	37.75	37.59
WTR YR	2004	MEAN 38.15	MAX 39.10	MIN 37.48								



404554073351502. Local number, N1616.2

LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at south side of Argyle Road, 40 ft west of Post Avenue, southern intersection, Old Westbury. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water table).

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 68 ft, screened 65 to 68 ft.

INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.

DATUM.--Land-surface datum is 122.5 ft above sea level. Measuring point: Top of casing, 0.42 ft below land-surface datum.

REMARKS.--Replaced well N1616.1 in October 1965 near same location, which has a period of record from March 1913 to October 1965. Well N1616.1 was screened in the upper glacial aquifer.

PERIOD OF RECORD.--October 1965 to current year. Unpublished record from October 1965 to September 1975 are available in files of the Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.14 ft above sea level, June 20, 1980; lowest measured, 64.02 ft above sea level, August 19, 2002.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL										
NOV 03	68.39	DEC 23	68.63	FEB 20	69.39	APR 19	69.25	JUN 16	69.53	AUG 18	69.33
25	68.43	JAN 22	68.82	MAR 16	69.06	MAY 25	69.53	JUL 21	69.31	SEP 28	69.12

