

PHILADELPHIA COUNTY

395342075102101. Local number, PH 12.

LOCATION.--Lat 39°53'42", long 75°10'21", Hydrologic Unit 02040202, at Barracks and East Fourth Streets, Philadelphia.
 Owner: U.S. Naval Base.

AQUIFER.--Middle Sand Unit of Potomac-Raritan-Magothy aquifer system of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 101 ft, cased to 93 ft, screened from 93-101 ft.

INSTRUMENTATION.--Data collection platform. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 8.6 ft above sea level. Measuring point: Top of casing, 1.8 ft above land-surface datum; 3.3 ft above land-surface datum since May 27, 1998.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1994, are also available from the District Office. Mean daily fluctuation caused by tidal loading, 0.20 ft.

PERIOD OF RECORD.--January 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily maximum depth below land surface for the period of record indicated above.

Highest water level, 10.65 ft below land-surface datum, Dec. 17, 18, 1996; lowest, 39.60 ft below land-surface datum, July 20, 1955.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.94	12.81	13.07	13.57	13.04	12.28	12.56	12.72	12.99	12.69	12.67	12.49
2	13.08	12.74	13.14	13.71	12.65	12.75	12.71	12.60	---	12.69	12.79	12.41
3	13.18	12.78	12.95	13.28	12.47	12.75	12.72	12.52	---	12.75	12.91	12.45
4	13.18	12.76	12.95	13.14	12.47	12.98	12.62	12.44	---	12.73	12.83	12.49
5	13.12	12.82	12.99	13.35	12.77	13.31	12.87	12.52	---	12.65	12.63	12.41
6	13.22	12.94	12.85	13.34	12.77	13.27	12.87	12.54	---	12.61	12.73	12.27
7	13.10	13.08	12.91	13.43	12.49	13.44	12.57	12.56	---	12.65	12.81	12.17
8	12.78	13.12	12.93	13.47	12.64	13.47	12.57	12.58	---	12.69	12.67	12.21
9	12.62	13.04	13.11	12.99	12.71	13.29	12.43	12.68	---	12.77	12.71	12.27
10	12.53	13.06	13.17	13.16	12.86	12.72	12.59	12.86	---	12.71	12.73	12.23
11	12.69	12.88	13.19	13.28	13.02	12.59	12.67	13.04	---	12.93	12.61	12.45
12	12.77	13.16	13.29	13.13	12.75	12.85	12.41	12.89	13.12	12.97	12.73	12.57
13	12.65	13.16	12.96	13.34	12.92	12.98	12.51	12.88	13.06	12.89	12.73	12.55
14	12.39	13.00	13.05	13.48	13.12	12.80	12.51	13.05	12.92	12.74	12.65	12.47
15	12.70	12.91	13.07	13.07	13.12	12.36	12.53	13.14	12.96	12.69	12.81	12.41
16	12.84	13.07	12.83	13.04	12.82	12.55	12.29	13.17	12.98	12.69	12.87	12.29
17	12.86	13.11	12.83	13.32	12.64	12.65	12.47	13.16	12.90	12.71	12.75	12.15
18	12.73	13.33	13.37	13.23	12.53	12.65	12.71	13.12	13.02	12.71	12.57	12.31
19	12.68	13.22	13.36	12.88	12.54	12.95	12.71	13.03	13.10	12.69	12.75	12.25
20	12.76	12.82	13.37	13.04	12.54	13.01	12.69	13.08	13.10	12.73	12.71	12.09
21	12.80	13.17	13.32	13.02	12.68	12.90	12.75	13.15	13.02	12.73	12.63	11.87
22	13.05	13.33	13.43	13.10	12.96	12.65	12.69	13.03	12.92	12.59	12.65	11.91
23	13.09	13.17	13.61	13.06	13.04	12.70	12.61	12.87	12.69	12.51	12.67	11.99
24	13.01	13.08	---	12.69	12.93	12.64	12.82	12.74	12.59	12.47	12.69	11.95
25	12.97	13.15	13.31	12.92	12.73	12.56	12.90	12.75	12.47	12.47	12.63	12.07
26	13.03	12.88	13.19	13.06	12.52	12.68	12.69	12.81	12.49	12.55	12.49	12.17
27	12.95	12.94	13.17	12.87	12.62	12.58	12.70	12.89	12.53	12.63	12.41	12.13
28	12.77	13.02	13.05	12.58	12.50	12.32	12.80	12.97	12.43	12.67	12.43	12.07
29	12.71	13.02	12.89	12.87	---	12.40	12.74	13.03	12.45	12.61	12.63	11.95
30	12.75	13.04	13.05	12.99	---	12.66	12.76	13.09	12.69	12.57	12.73	11.80
31	12.79	---	13.25	13.25	---	12.68	---	13.07	---	12.59	12.69	---
MEAN	12.86	13.02	13.12	13.15	12.74	12.79	12.65	12.87	12.82	12.68	12.69	12.23
MAX	13.22	13.33	13.61	13.71	13.12	13.47	12.90	13.17	13.12	12.97	12.91	12.57
MIN	12.39	12.74	12.83	12.58	12.47	12.28	12.29	12.44	12.43	12.47	12.41	11.80

WTR YR 1999: HIGHEST 11.80, SEPTEMBER 30; LOWEST 13.71, JANUARY 2.

