Water-Data Report 2012

404106074171901 Local number 390119 Union County Park Obs

Early Mesozoic basin aquifers
Passaic Formation

Union County, NJ

LOCATION.--Lat 40°41′06″, long 74°17′19″ referenced to North American Datum of 1927, Kenilworth Borough, Union County, NJ, Hydrologic Unit 02030104, at Galloping Hill Golf Course.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 290 ft. Upper casing diameter 6 in; top of first opening 0 ft, bottom of last opening 290 ft. Drilled observation well.

DATUM.--Land-surface datum is 69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.30 ft above land-surface datum, Jul 1, 1984, to present.

PERIOD OF RECORD.--June 1943 to current year.

GAGE.--Data collection platform with satellite telemetry--15 minute recording interval. Water-level recorder, July 1984 to July 2002. Periodic measurements, August 1975 to July 1984. Water-level recorder, June 1943 to August 1975.

REMARKS.--Water level is affected by nearby pumping of irrigation well.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.06 ft below land surface datum, Jun 2, 1952; lowest, 16.05 ft below land surface datum, Jun 29, 1966.

EXTREMES FOR CURRENT YEAR.--Highest water level, 5.04 ft below land surface datum, Dec 9; lowest water level, 9.11 ft below land surface datum, Jul 15.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 404106074171901, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/404106074171901.2012.pdf

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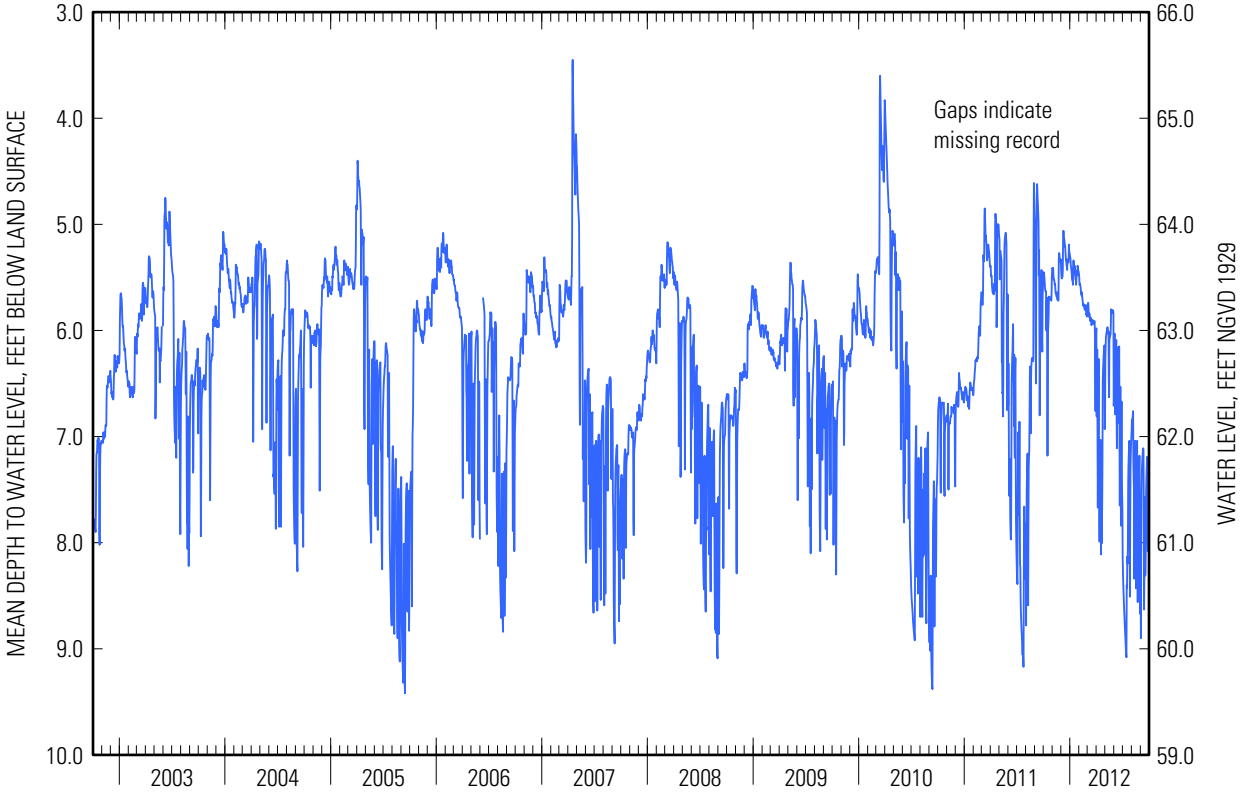
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.47	5.41	5.42	5.31	5.47	5.79	5.98	6.81	6.64	8.13	6.94	8.35
2	5.45	5.42	5.47	5.31	5.51	5.84	6.81	6.30	6.10	8.29	6.84	8.90
3	5.47	5.41	5.51	5.36	5.57	5.74	6.71	6.15	6.03	8.39	6.84	8.15
4	5.49	5.44	5.50	5.40	5.56	5.74	6.18	6.07	6.63	8.47	6.83	7.51
5	5.53	5.51	5.50	5.41	5.57	5.80	6.99	6.04	6.79	8.55	6.80	7.34
6	5.59	5.52	5.49	5.44	5.58	5.87	7.67	6.02	6.22	8.63	6.76	7.27
7	5.62	5.52	5.42	5.47	5.61	5.86	6.99	6.01	6.14	8.69	7.23	7.22
8	5.63	5.54	5.11	5.52	5.65	5.84	6.40	5.99	6.11	8.76	7.39	7.17
9	5.63	5.57	5.06	5.53	5.66	5.86	6.27	5.97	6.09	8.82	7.50	7.12
10	5.63	5.56	5.08	5.53	5.67	5.91	7.08	5.97	6.80	8.88	8.34	7.11
11	6.00	5.60	5.13	5.57	5.64	5.90	7.79	6.02	7.11	8.94	7.68	7.13
12	5.76	5.65	5.14	5.40	5.68	5.89	7.99	6.03	6.38	9.00	7.14	7.75
13	5.69	5.65	5.16	5.34	5.71	5.88	7.69	6.01	6.16	9.05	7.04	8.63
14	6.45	5.65	5.21	5.40	5.73	5.92	7.29	6.45	6.59	9.08	7.20	8.32
15	7.18	5.68	5.20	5.46	5.76	5.95	7.03	6.63	6.87	8.40	7.58	7.57
16	6.56	5.68	5.26	5.47	5.77	5.94	7.67	6.10	6.30	8.43	8.43	8.21
17	6.00	5.64	5.30	5.39	5.75	5.93	8.11	6.07	6.20	8.13	7.83	8.31
18	5.93	5.71	5.34	5.43	5.77	5.92	7.52	6.06	6.16	8.20	7.24	8.28
19	5.84	5.71	5.34	5.49	5.78	5.90	8.01	6.04	6.15	8.02	7.10	8.00
20	5.68	5.69	5.39	5.52	5.80	5.92	7.67	6.04	7.02	7.46	7.04	7.50
21	5.70	5.72	5.39	5.52	5.80	5.93	7.69	5.95	7.65	7.27	7.90	7.39
22	5.70	5.71	5.43	5.57	5.78	5.93	7.28	5.80	7.10	7.18	8.56	7.31
23	5.69	5.33	5.33	5.52	5.81	5.93	6.51	5.81	6.53	7.10	7.93	7.23
24	5.69	5.27	5.35	5.44	5.79	5.94	6.38	5.84	7.30	7.04	8.27	7.19
25	5.70	5.28	5.34	5.48	5.76	5.91	6.32	5.82	7.84	7.90	8.01	7.64
26	5.71	5.31	5.36	5.48	5.85	5.92	6.24	5.81	7.18	8.51	7.47	8.08
27	5.69	5.33	5.32	5.39	5.84	6.04	6.21	5.81	6.67	7.82	7.31	7.43
28	5.72	5.35	5.19	5.40	5.87	6.38	6.18	5.81	7.38	7.30	7.18	7.30
29	5.66	5.36	5.25	5.42	5.85	6.76	6.14	5.81	7.53	7.17	8.01	7.21
30	5.50	5.33	5.27	5.45	---	6.16	6.93	5.84	7.67	7.06	8.67	7.17
31	5.44	---	5.28	5.45	---	6.03	---	6.71	---	7.01	8.09	---
Mean	5.77	5.52	5.31	5.45	5.71	5.95	6.99	6.06	6.71	8.12	7.52	7.66
Max	7.18	5.72	5.51	5.57	5.87	6.76	8.11	6.81	7.84	9.08	8.67	8.90
Min	5.44	5.27	5.06	5.31	5.47	5.74	5.98	5.80	6.03	7.01	6.76	7.11

	Water Year 2012
Mean	6.40
High	5.06
Low	9.08

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