

Water-Data Report 2007

401314075171401 Local number MG 1145

Early Mesozoic basin aquifers
Brunswick Formation
Montgomery County, PA

LOCATION.--Lat 40°13'12", long 75°17'12" referenced to North American Datum of 1927, Montgomery County, PA, Hydrologic Unit 02040203, on Church Road southwest from Wissahickon Avenue, Upper Gwynedd Township.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 83 ft. Upper casing diameter 6 in; top of first opening 19 ft, bottom of last opening 83 ft. Drilled monitor well, cased to 19 ft, open hole.

DATUM.--Land-surface datum is 330.62 ft above North American Vertical Datum of 1988. Measuring point: top of plywood shelf, 1.35 ft above land-surface datum, Aug. 13, 2002, to present. Elevation of land surface is from survey.

PERIOD OF RECORD.--August 13, 2002 to November 2006. (Discontinued)

GAGE.--Electronic data logger with 15-minute recording interval.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the U.S. Environmental Protection Agency.

REMARKS.--In addition to the daily mean water-level table shown below, daily maximum and minimum water levels are also available from the USGS Pennsylvania Water Science Center Office.

EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the instantaneous depth below land surface for the period of record indicated above. Highest water level, 3.11 ft below land-surface datum, Apr 2, 2005; lowest, 34.13 ft below land-surface datum, Sep 26, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 4.75 ft below land surface datum, Nov. 16; lowest water level, 10.11 ft below land surface datum, Oct. 17.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.56	7.86	---	---	---	---	---	---	---	---	---	---
2	8.84	7.47	---	---	---	---	---	---	---	---	---	---
3	9.31	7.53	---	---	---	---	---	---	---	---	---	---
4	9.45	7.81	---	---	---	---	---	---	---	---	---	---
5	9.24	8.00	---	---	---	---	---	---	---	---	---	---
6	8.98	8.09	---	---	---	---	---	---	---	---	---	---
7	8.75	8.21	---	---	---	---	---	---	---	---	---	---
8	9.25	6.06	---	---	---	---	---	---	---	---	---	---
9	9.42	5.93	---	---	---	---	---	---	---	---	---	---
10	9.56	6.49	---	---	---	---	---	---	---	---	---	---
11	9.53	6.62	---	---	---	---	---	---	---	---	---	---
12	8.00	6.78	---	---	---	---	---	---	---	---	---	---
13	8.69	6.37	---	---	---	---	---	---	---	---	---	---
14	9.27	6.11	---	---	---	---	---	---	---	---	---	---
15	9.63	6.37	---	---	---	---	---	---	---	---	---	---
16	9.90	5.99	---	---	---	---	---	---	---	---	---	---
17	9.35	5.62	---	---	---	---	---	---	---	---	---	---
18	7.62	6.08	---	---	---	---	---	---	---	---	---	---
19	7.95	6.28	---	---	---	---	---	---	---	---	---	---
20	7.12	6.61	---	---	---	---	---	---	---	---	---	---
21	7.29	7.00	---	---	---	---	---	---	---	---	---	---
22	7.54	7.11	---	---	---	---	---	---	---	---	---	---
23	7.92	5.91	---	---	---	---	---	---	---	---	---	---
24	8.34	5.86	---	---	---	---	---	---	---	---	---	---
25	8.75	6.26	---	---	---	---	---	---	---	---	---	---
26	9.11	6.40	---	---	---	---	---	---	---	---	---	---
27	9.22	6.56	---	---	---	---	---	---	---	---	---	---
28	6.64	---	---	---	---	---	---	---	---	---	---	---
29	6.86	---	---	---	---	---	---	---	---	---	---	---
30	7.25	---	---	---	---	---	---	---	---	---	---	---
31	7.54	---	---	---	---	---	---	---	---	---	---	---
Mean	8.54	6.72	---	---	---	---	---	---	---	---	---	---
Max	9.90	8.21	---	---	---	---	---	---	---	---	---	---
Min	6.64	5.62	---	---	---	---	---	---	---	---	---	---

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