

Water-Data Report 2007

**401753074483501 Local number 210289 Bristol-Myers 100 Obs**

Early Mesozoic basin aquifers  
Passaic Formation  
Mercer County, NJ

LOCATION.--Lat 40°17'53", long 74°48'35" referenced to North American Datum of 1927, Hopewell Township, Mercer County, NJ, Hydrologic Unit 02040105, about 600 ft east of Scotch Rd. and about 1.1 mi north of I-95, interchange 3.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 300 ft. Upper casing diameter 8 in, top of first opening 12 ft, bottom of last opening 300 ft. Drilled observation well.

DATUM.--Land-surface datum is 212 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 1.65 ft above land-surface datum, July 1, 1992, to present.

PERIOD OF RECORD.--Dec. 1986 to current year.

GAGE.--Water-level recorder--60-minute recording interval.

REMARKS.--Water level is occasionally affected by pumping of nearby irrigation well. Water level was affected by Mercuri and Assoc. aquifer tests between June and Aug. 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.96 ft below land surface, Apr. 4, 1997; lowest, 26.54 ft below land surface, Aug. 22, 2003.

## 401753074483501 Local number 210289 Bristol-Myers 100 Obs—Continued

**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	16.11	13.83	12.82	13.25	14.45	15.98	12.98	12.44	15.44	---	---	---
2	16.22	13.86	13.22	13.24	14.31	15.37	12.92	12.44	15.38	---	---	---
3	16.25	14.08	13.50	13.25	14.54	15.12	13.15	12.74	15.28	---	---	---
4	16.17	14.24	13.34	13.01	14.75	14.98	13.07	12.86	15.02	---	---	---
5	16.22	14.27	13.51	12.83	14.95	14.89	12.96	12.90	15.02	---	---	---
6	16.30	14.20	13.58	12.71	15.09	15.11	12.96	13.17	15.21	---	---	---
7	16.23	14.08	13.44	13.09	15.06	15.02	12.90	13.36	15.34	---	---	---
8	16.11	13.62	13.75	12.68	15.14	14.92	13.05	13.35	15.22	---	---	---
9	15.91	13.27	13.98	12.62	15.24	15.04	13.17	13.37	15.21	---	---	---
10	15.79	13.38	14.03	12.78	15.39	14.84	13.28	13.44	15.34	---	---	---
11	15.67	13.31	14.19	13.08	15.61	14.81	13.38	13.52	15.38	---	---	---
12	15.28	13.26	14.37	12.90	15.67	14.86	13.13	13.74	15.42	---	---	---
13	15.25	13.22	14.24	12.81	15.76	14.74	13.05	13.97	15.50	---	---	---
14	15.05	13.02	14.16	12.84	---	14.63	13.02	14.17	15.58	---	---	---
15	15.10	13.03	14.08	12.73	---	14.64	12.50	14.05	15.58	---	---	---
16	15.18	12.84	14.39	12.81	15.66	14.65	11.75	13.99	15.58	---	---	---
17	14.97	12.77	14.57	13.35	15.76	14.18	12.00	14.26	15.59	---	---	---
18	14.59	12.86	14.60	13.27	15.76	14.24	12.15	14.39	15.71	---	---	---
19	14.41	12.82	14.83	12.86	16.07	14.28	12.24	14.35	15.78	---	---	---
20	14.10	12.97	14.99	13.04	15.95	14.07	12.35	14.33	15.74	---	---	19.61
21	14.26	13.26	14.97	13.37	16.06	14.02	12.39	14.58	15.74	---	---	19.63
22	14.16	13.15	15.03	13.20	16.01	13.42	12.47	14.84	15.68	---	---	19.64
23	13.96	13.02	14.60	13.27	16.12	13.09	12.46	15.01	15.78	---	---	19.74
24	13.99	12.98	14.49	13.48	16.25	13.04	12.49	15.06	15.91	---	---	19.85
25	14.12	13.08	14.29	13.53	16.23	12.98	12.69	14.99	16.03	---	---	19.83
26	14.29	13.03	13.60	13.76	16.00	12.81	12.87	15.02	16.08	---	---	19.81
27	14.32	12.97	13.73	13.75	16.07	12.51	12.70	15.14	16.02	---	---	19.83
28	13.73	13.02	13.95	13.75	16.10	12.69	12.43	15.21	15.91	---	---	19.84
29	13.81	13.10	13.97	14.07	---	12.91	12.32	15.35	---	---	---	20.16
30	13.99	13.03	13.78	14.25	---	12.89	12.28	15.40	---	---	---	20.34
31	13.87	---	13.68	14.38	---	12.91	---	15.41	---	---	---	---
<b>Mean</b>	15.01	13.32	14.05	13.22	---	14.18	12.70	14.09	---	---	---	---
<b>Max</b>	16.30	14.27	15.03	14.38	---	15.98	13.38	15.41	---	---	---	---
<b>Min</b>	13.73	12.77	12.82	12.62	---	12.51	11.75	12.44	---	---	---	---

401753074483501 Local number 210289 Bristol-Myers 100 Obs—Continued

