# 403455074514801 Local number 190276 Environmental Ctr 1 Obs NJ Permit Number 24-25826

Early Mesozoic basin aquifers
Stockton Formation

Hunterdon County, NJ

LOCATION.--Lat 40°34′38″, long 74°51′39″ referenced to North American Datum of 1927, Clinton Township, Hunterdon County, NJ, Hydrologic Unit 02030105, at the Hunterdon County Arboretum, Rt. 31.

## GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 175 ft. Upper casing diameter 6 in; top of first opening 55 ft, bottom of last opening 175 ft. Drilled observation well.

DATUM.--Land-surface datum is 170.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.36 ft above land-surface datum, Aug 8, 2002, to present.

PERIOD OF RECORD.--March 1991 to current year.

GAGE.--Data collection platform with satellite telemetry--60 minute recording interval. Water-level recorder, May 1992 to August 2002. Periodic measurements, March 1991 to May 1992.

REMARKS.--Water level is affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.44 ft below land surface, Mar 29, 1994; lowest, 13.46 ft below land surface, Sep 3, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level, 8.93 ft below land surface datum, Mar 13; lowest water level, 13.16 ft below land surface datum, Sep 9.

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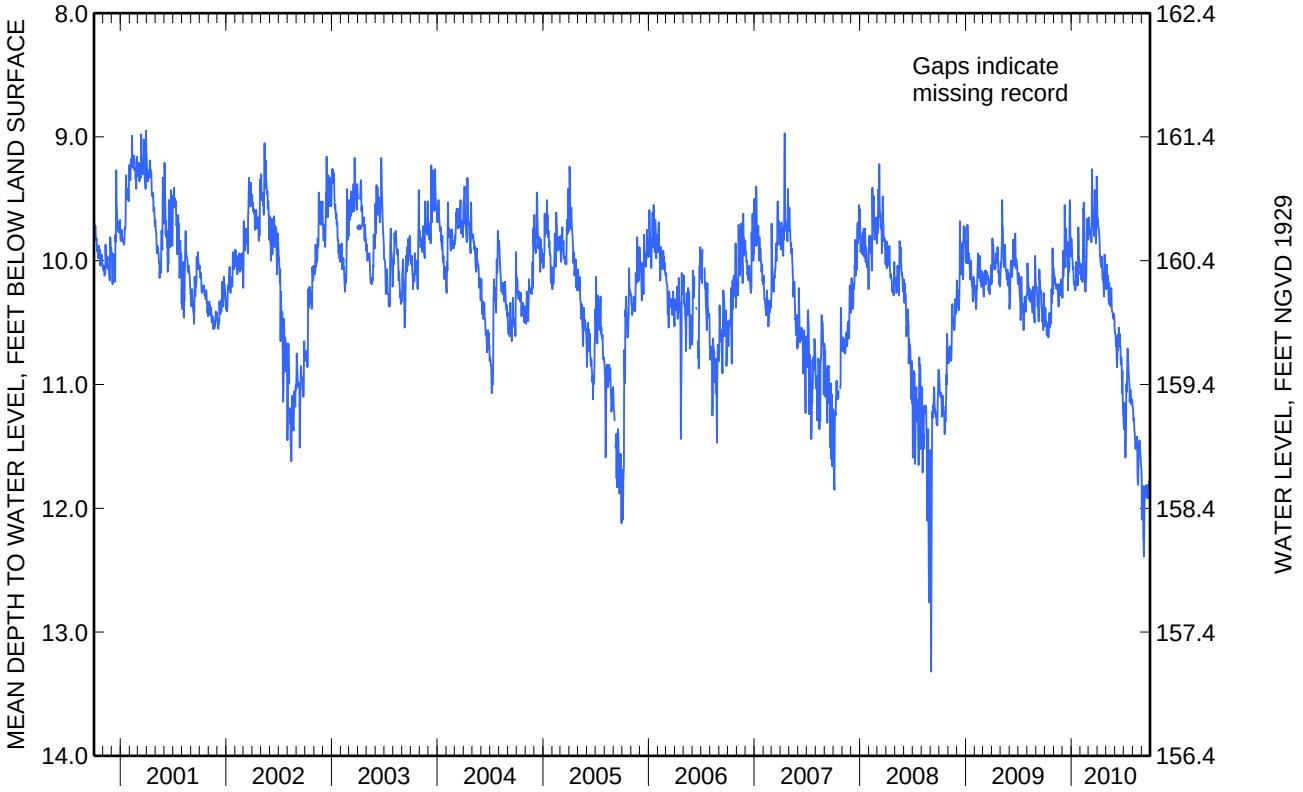
**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**
**DAILY MEAN VALUES**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.53 | 10.10 | 10.30 | 9.82 | 10.11 | 9.82 | 9.63 | 10.20 | 10.58 | 11.30 | 11.18 | 11.82 |
| 2 | 10.44 | 10.12 | 10.29 | 9.83 | 10.10 | 9.76 | 9.66 | 10.23 | 10.59 | 11.36 | 11.19 | 12.09 |
| 3 | 10.38 | 10.11 | 9.92 | 9.88 | 10.08 | 9.65 | 9.67 | 10.03 | 10.61 | 11.15 | 11.21 | 11.99 |
| 4 | 10.40 | 10.17 | 10.13 | 9.98 | 10.15 | 9.69 | 9.71 | 10.08 | 10.69 | 11.15 | 11.29 | 11.83 |
| 5 | 10.48 | 10.14 | 10.07 | 10.00 | 10.12 | 9.76 | 9.74 | 10.14 | 10.68 | 11.19 | 11.27 | 11.82 |
| 6 | 10.49 | 10.19 | 10.06 | 10.03 | 10.03 | 9.78 | 9.74 | 10.13 | 10.69 | 11.51 | 11.32 | 11.82 |
| 7 | 10.49 | 10.18 | 10.05 | 10.07 | 10.13 | 9.75 | 9.77 | 10.19 | 10.81 | 11.59 | 11.36 | 12.22 |
| 8 | 10.60 | 10.20 | 10.05 | 10.05 | 10.17 | 9.75 | 9.82 | 10.12 | 10.86 | 11.58 | 11.38 | 12.30 |
| 9 | 10.51 | 10.22 | 9.55 | 10.16 | 10.17 | 9.80 | 9.83 | 10.26 | 10.78 | 11.41 | 11.44 | 12.39 |
| 10 | 10.51 | 10.21 | 9.80 | 10.19 | 9.89 | 9.84 | 9.96 | 10.32 | 10.60 | 11.00 | 11.48 | 12.17 |
| 11 | 10.57 | 10.23 | 9.99 | 10.18 | 9.58 | 9.85 | 9.96 | 10.35 | 10.72 | 10.99 | 11.52 | 11.96 |
| 12 | 10.59 | 10.21 | 10.05 | 10.18 | 9.59 | 9.85 | 10.01 | 10.18 | 10.72 | 11.06 | 11.47 | 11.88 |
| 13 | 10.55 | 10.20 | 9.82 | 10.22 | 9.53 | 9.41 | 10.04 | 10.25 | 10.65 | 10.92 | 11.46 | 11.82 |
| 14 | 10.62 | 10.19 | 9.74 | 10.24 | 9.57 | 9.26 | 10.05 | 10.23 | 10.54 | 10.71 | 11.50 | 11.85 |
| 15 | 10.53 | 10.21 | 9.89 | 10.23 | 9.73 | 9.48 | 10.01 | 10.28 | 10.65 | 10.71 | 11.47 | 11.91 |
| 16 | 10.43 | 10.27 | 9.94 | 10.23 | 10.13 | 9.59 | 9.97 | 10.34 | 10.69 | 10.78 | 11.42 | 11.88 |
| 17 | 10.43 | 10.33 | 9.94 | 10.11 | 10.19 | 9.65 | 9.97 | 10.37 | 10.59 | 10.82 | 11.47 | 11.82 |
| 18 | 10.42 | 10.37 | 9.93 | 10.01 | 10.23 | 9.66 | 10.09 | 10.27 | 10.67 | 10.88 | 11.72 | 11.83 |
| 19 | 10.54 | 10.31 | 9.85 | 10.09 | 10.25 | 9.70 | 10.14 | 10.22 | 10.69 | 10.94 | 11.79 | 11.81 |
| 20 | 10.50 | 10.19 | 10.00 | 10.14 | 10.20 | 9.77 | 10.15 | 10.30 | 10.70 | 10.97 | 11.81 | 11.88 |
| 21 | 10.50 | 10.24 | 10.24 | 10.18 | 10.14 | 9.80 | 10.16 | 10.38 | 10.81 | 11.01 | 11.64 | 11.89 |
| 22 | 10.47 | 10.28 | 10.06 | 10.13 | 10.11 | 9.72 | 10.18 | 10.41 | 10.84 | 11.14 | 11.56 | 11.92 |
| 23 | 10.51 | 10.28 | 10.06 | 10.20 | 9.93 | 9.43 | 10.26 | 10.41 | 10.78 | 11.10 | 11.49 | 11.86 |
| 24 | 10.24 | 10.24 | 10.09 | 10.13 | 9.73 | 9.68 | 10.29 | 10.42 | 10.83 | 11.04 | 11.47 | 11.84 |
| 25 | 10.23 | 10.23 | 10.05 | 9.73 | 9.66 | 9.70 | 10.09 | 10.45 | 11.07 | 11.05 | 11.45 | 11.83 |
| 26 | 10.34 | 10.18 | 9.67 | 9.83 | 9.70 | 9.73 | 9.95 | 10.43 | 10.92 | 11.10 | 11.48 | 11.88 |
| 27 | 10.20 | 10.15 | 9.51 | 9.99 | 9.82 | 9.86 | 10.0 | 10.47 | 10.89 | 11.15 | 11.55 | 11.86 |
| 28 | 9.90 | 10.26 | 9.68 | 9.97 | 9.83 | 9.80 | 10.11 | 10.43 | 11.13 | 11.16 | 11.56 | 11.78 |
| 29 | 10.08 | 10.27 | 9.82 | 10.05 | --- | 9.44 | 10.17 | 10.43 | 11.24 | 11.12 | 11.60 | 11.85 |
| 30 | 10.27 | 10.23 | 9.96 | 10.02 | --- | 9.32 | 10.18 | 10.49 | 11.25 | 11.12 | 11.66 | 11.70 |
| 31 | 10.06 | --- | 9.88 | 10.04 | --- | 9.47 | --- | 10.56 | --- | 11.15 | 11.67 | --- |
| Mean | 10.41 | 10.22 | 9.95 | 10.06 | 9.96 | 9.67 | 9.98 | 10.30 | 10.78 | 11.10 | 11.48 | 11.92 |
| Max | 10.62 | 10.37 | 10.30 | 10.24 | 10.25 | 9.86 | 10.29 | 10.56 | 11.25 | 11.59 | 11.81 | 12.39 |
| Min | 9.90 | 10.10 | 9.51 | 9.73 | 9.53 | 9.26 | 9.63 | 10.03 | 10.54 | 10.71 | 11.18 | 11.70 |

| | Water Year 2010 |
|---|---|
| Mean | 10.49 |
| High | 9.26 |
| Low | 12.39 |

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