

Water-Data Report 2006

**414737073563301 Local number Du-321, near Hyde Park NY**

New York clastic-rock aquifers

Trenton Group

Dutchess County, NY

LOCATION.--Lat 41°47'37", long 73°56'33" referenced to North American Datum of 1927, Dutchess County, NY, Hydrologic Unit 02020008, near Hyde Park.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 127 ft. Upper casing diameter 6.0 in; top of first opening 75 ft, bottom of last opening 122 ft. Cased to 75 ft, open hole. Elevation of land-surface datum is 170 ft above NGVD of 1929, from topographic map.

PERIOD OF RECORD.--October 1948 to April 1950, April 1953 to September 1997, February 2004 to current year.

GAGE.--Water-stage recorder--hourly.

REMARKS.--Water level responds to semidiurnal earth tides (approximately 0.05 ft). Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.62 ft below land-surface datum, June 22, 1953; lowest water level, 73.85 ft below land-surface datum, Sept. 13, 1966.

EXTREMES FOR CURRENT YEAR.--Highest water level, 66.41 ft below land-surface datum, Feb. 6, 13; lowest water level, 70.33 ft below land-surface datum, Oct. 4, 5, 6.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

| Day  | Oct   | Nov   | Dec   | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 70.17 | 68.72 | 68.13 | 67.77 | 66.72 | 66.52 | 67.00 | 67.34 | 67.73 | 67.74 | 68.14 | 68.68 |
| 2    | 70.22 | 68.67 | 68.06 | 67.83 | 66.74 | 66.51 | 66.98 | 67.30 | 67.68 | 67.77 | 68.17 | 68.71 |
| 3    | 70.26 | 68.67 | 68.08 | 67.77 | 66.68 | 66.51 | 66.99 | 67.25 | 67.62 | 67.78 | 68.18 | 68.68 |
| 4    | 70.29 | 68.65 | 68.12 | 67.71 | 66.61 | 66.55 | 66.89 | 67.21 | 67.58 | 67.77 | 68.21 | 68.66 |
| 5    | 70.28 | 68.64 | 68.15 | 67.64 | 66.48 | 66.60 | 66.85 | 67.19 | 67.61 | 67.75 | 68.27 | 68.67 |
| 6    | 70.27 | 68.62 | 68.16 | 67.59 | 66.45 | 66.63 | 66.88 | 67.20 | 67.66 | 67.77 | 68.36 | 68.65 |
| 7    | 70.26 | 68.61 | 68.19 | 67.59 | 66.49 | 66.67 | 66.92 | 67.26 | 67.67 | 67.82 | 68.39 | 68.66 |
| 8    | 70.03 | 68.62 | 68.27 | 67.62 | 66.54 | 66.71 | 66.92 | 67.34 | 67.61 | 67.87 | 68.39 | 68.67 |
| 9    | 69.59 | 68.62 | 68.22 | 67.64 | 66.57 | 66.69 | 67.00 | 67.38 | 67.58 | 67.86 | 68.42 | 68.68 |
| 10   | 69.57 | 68.52 | 68.13 | 67.70 | 66.58 | 66.64 | 67.09 | 67.39 | 67.57 | 67.86 | 68.42 | 68.69 |
| 11   | 69.63 | 68.52 | 68.04 | 67.71 | 66.58 | 66.68 | 67.16 | 67.39 | 67.59 | 67.87 | 68.43 | 68.75 |
| 12   | 69.64 | 68.57 | 67.99 | 67.61 | 66.51 | 66.73 | 67.21 | 67.34 | 67.66 | 67.88 | 68.46 | 68.79 |
| 13   | 69.47 | 68.61 | 68.06 | 67.54 | 66.45 | 66.72 | 67.19 | 67.31 | 67.72 | 67.86 | 68.51 | 68.78 |
| 14   | 69.32 | 68.61 | 68.18 | 67.39 | 66.46 | 66.61 | 67.14 | 67.36 | 67.77 | 67.88 | 68.53 | 68.74 |
| 15   | 69.11 | 68.63 | 68.23 | 67.25 | 66.50 | 66.58 | 67.05 | 67.40 | 67.78 | 67.90 | 68.51 | 68.62 |
| 16   | 69.02 | 68.57 | 68.13 | 67.28 | 66.54 | 66.64 | 67.03 | 67.36 | 67.83 | 67.92 | 68.55 | 68.54 |
| 17   | 69.02 | 68.45 | 68.09 | 67.36 | 66.50 | 66.72 | 67.07 | 67.30 | 67.87 | 67.93 | 68.62 | 68.54 |
| 18   | 69.01 | 68.44 | 68.14 | 67.30 | 66.51 | 66.76 | 67.13 | 67.27 | 67.89 | 67.92 | 68.67 | 68.53 |
| 19   | 69.02 | 68.47 | 68.13 | 67.22 | 66.55 | 66.78 | 67.17 | 67.27 | 67.89 | 67.97 | 68.68 | 68.51 |
| 20   | 69.04 | 68.47 | 68.09 | 67.23 | 66.55 | 66.80 | 67.20 | 67.29 | 67.87 | 68.02 | 68.60 | 68.50 |
| 21   | 69.07 | 68.42 | 68.08 | 67.21 | 66.51 | 66.81 | 67.30 | 67.34 | 67.91 | 68.02 | 68.59 | 68.54 |
| 22   | 69.03 | 68.25 | 68.08 | 67.25 | 66.50 | 66.80 | 67.38 | 67.39 | 67.93 | 67.98 | 68.64 | 68.62 |
| 23   | 68.88 | 68.14 | 68.06 | 67.20 | 66.48 | 66.85 | 67.27 | 67.47 | 67.96 | 67.90 | 68.68 | 68.63 |
| 24   | 68.83 | 68.12 | 68.03 | 67.06 | 66.48 | 66.89 | 67.08 | 67.53 | 67.99 | 67.93 | 68.70 | 68.58 |
| 25   | 68.72 | 68.22 | 68.00 | 66.92 | 66.52 | 66.90 | 67.03 | 67.56 | 68.00 | 67.99 | 68.73 | 68.57 |
| 26   | 68.60 | 68.37 | 67.84 | 66.91 | 66.55 | 66.89 | 67.05 | 67.54 | 67.86 | 68.03 | 68.75 | 68.61 |
| 27   | 68.67 | 68.45 | 67.74 | 66.99 | 66.55 | 66.92 | 67.08 | 67.53 | 67.82 | 68.06 | 68.77 | 68.66 |
| 28   | 68.77 | 68.48 | 67.80 | 67.00 | 66.54 | 66.97 | 67.16 | 67.60 | 67.77 | 68.06 | 68.71 | 68.68 |
| 29   | 68.80 | 68.44 | 67.77 | 66.94 | ---   | 67.01 | 67.27 | 67.67 | 67.69 | 68.07 | 68.65 | 68.63 |
| 30   | 68.78 | 68.25 | 67.69 | 66.82 | ---   | 67.05 | 67.33 | 67.72 | 67.69 | 68.08 | 68.57 | 68.65 |
| 31   | 68.77 | ---   | 67.72 | 66.74 | ---   | 67.05 | ---   | 67.75 | ---   | 68.11 | 68.61 | ---   |
| Mean | 69.36 | 68.49 | 68.05 | 67.35 | 66.54 | 66.75 | 67.09 | 67.40 | 67.76 | 67.92 | 68.51 | 68.64 |
| Max  | 70.29 | 68.72 | 68.27 | 67.83 | 66.74 | 67.05 | 67.38 | 67.75 | 68.00 | 68.11 | 68.77 | 68.79 |
| Min  | 68.60 | 68.12 | 67.69 | 66.74 | 66.45 | 66.51 | 66.85 | 67.19 | 67.57 | 67.74 | 68.14 | 68.50 |

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