



Water-Data Report 2010

351730080524203 Local number ME-301 (NC-146), HORNETS NEST PARK NR OAKDALE, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Mecklenburg County, NC

LOCATION.--Lat 35°19'07", long 80°52'32" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, 6 mi south of Huntersville in Hornets Nest Park. Owner: U.S. Geological Survey.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 17.1 ft, diameter 4 in., cased to 12.1 ft, screened interval from 12.1 to 17.1 ft, sand filter packed from 12.1 to 17.1 ft.

DATUM.--Land-surface datum is 717.61 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--November 1984 to October 2009 (discontinued).

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

REMARKS.--Well is part of climatic-effects network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.28 ft below land-surface datum, March 24, 1993, Apr. 10, 2003; lowest water level recorded, 8.57 ft below land-surface datum, August 14, 15, 2002.

**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	6.08	---	---	---	---	---	---	---	---	---	---	---
2	6.10	---	---	---	---	---	---	---	---	---	---	---
3	6.15	---	---	---	---	---	---	---	---	---	---	---
4	6.23	---	---	---	---	---	---	---	---	---	---	---
5	6.17	---	---	---	---	---	---	---	---	---	---	---
6	6.04	---	---	---	---	---	---	---	---	---	---	---
7	6.02	---	---	---	---	---	---	---	---	---	---	---
8	6.14	---	---	---	---	---	---	---	---	---	---	---
9	6.15	---	---	---	---	---	---	---	---	---	---	---
10	6.16	---	---	---	---	---	---	---	---	---	---	---
11	6.24	---	---	---	---	---	---	---	---	---	---	---
12	6.19	---	---	---	---	---	---	---	---	---	---	---
13	6.08	---	---	---	---	---	---	---	---	---	---	---
14	6.06	---	---	---	---	---	---	---	---	---	---	---
15	5.92	---	---	---	---	---	---	---	---	---	---	---
16	5.87	---	---	---	---	---	---	---	---	---	---	---
17	5.90	---	---	---	---	---	---	---	---	---	---	---
18	5.93	---	---	---	---	---	---	---	---	---	---	---
19	5.98	---	---	---	---	---	---	---	---	---	---	---
20	5.99	---	---	---	---	---	---	---	---	---	---	---
21	6.02	---	---	---	---	---	---	---	---	---	---	---
22	6.05	---	---	---	---	---	---	---	---	---	---	---
23	6.06	---	---	---	---	---	---	---	---	---	---	---
24	6.04	---	---	---	---	---	---	---	---	---	---	---
25	6.06	---	---	---	---	---	---	---	---	---	---	---
26	6.05	---	---	---	---	---	---	---	---	---	---	---
27	5.98	---	---	---	---	---	---	---	---	---	---	---
28	5.58	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	6.04	---	---	---	---	---	---	---	---	---	---	---
Max	6.24	---	---	---	---	---	---	---	---	---	---	---
Min	5.58	---	---	---	---	---	---	---	---	---	---	---

Water Year 2010	
Mean	6.04
High	5.58
Low	6.24

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