



Water-Data Report 2010

**354133082042201 Local number MC-107 PLEASANT GARDENS RESEARCH STATION AT PLEASANT GARDENS, NC (REGOLITH)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Mcdowell County, NC

LOCATION.--Lat 35°41'33.4", long 82°04'22.6" referenced to North American Datum of 1983, Mcdowell County, NC, Hydrologic Unit 03050101, 3.6 mi west of Marion, at Pleasant Gardens.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, drilled to 45 ft, diameter 2in., cased to 35 ft. Screened interval from 35 to 45 ft.

DATUM.--Land-surface datum is 1,360 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.82 ft above land-surface datum, August 2010 to present.

PERIOD OF RECORD.--August 2010 to September 2010.

PRECIPITATION: August 2010 to September 2010, station number 354133082042245

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

REMARKS.--Well is part of the Catawba-Wateree Drought Monitoring Network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 29.94 ft below land-surface datum, August 25-27, 2010; lowest water level recorded, 30.98 ft below land-surface datum, September 26, 29-30.

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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	---	---	---	---	---	---	---	---	---	---	---	30.01
2	---	---	---	---	---	---	---	---	---	---	---	30.02
3	---	---	---	---	---	---	---	---	---	---	---	30.04
4	---	---	---	---	---	---	---	---	---	---	---	30.09
5	---	---	---	---	---	---	---	---	---	---	---	30.14
6	---	---	---	---	---	---	---	---	---	---	---	30.19
7	---	---	---	---	---	---	---	---	---	---	---	30.23
8	---	---	---	---	---	---	---	---	---	---	---	30.25
9	---	---	---	---	---	---	---	---	---	---	---	30.28
10	---	---	---	---	---	---	---	---	---	---	---	30.33
11	---	---	---	---	---	---	---	---	---	---	---	30.37
12	---	---	---	---	---	---	---	---	---	---	---	30.41
13	---	---	---	---	---	---	---	---	---	---	---	30.46
14	---	---	---	---	---	---	---	---	---	---	---	30.51
15	---	---	---	---	---	---	---	---	---	---	---	30.56
16	---	---	---	---	---	---	---	---	---	---	---	30.59
17	---	---	---	---	---	---	---	---	---	---	---	30.64
18	---	---	---	---	---	---	---	---	---	---	---	30.69
19	---	---	---	---	---	---	---	---	---	---	---	30.73
20	---	---	---	---	---	---	---	---	---	---	30.30	30.76
21	---	---	---	---	---	---	---	---	---	---	30.20	30.80
22	---	---	---	---	---	---	---	---	---	---	30.10	30.84
23	---	---	---	---	---	---	---	---	---	---	30.02	30.87
24	---	---	---	---	---	---	---	---	---	---	29.98	30.90
25	---	---	---	---	---	---	---	---	---	---	29.96	30.92
26	---	---	---	---	---	---	---	---	---	---	29.95	30.93
27	---	---	---	---	---	---	---	---	---	---	29.95	30.93
28	---	---	---	---	---	---	---	---	---	---	29.97	30.94
29	---	---	---	---	---	---	---	---	---	---	29.98	30.97
30	---	---	---	---	---	---	---	---	---	---	30.00	30.96
31	---	---	---	---	---	---	---	---	---	---	30.00	---
<b>Mean</b>	---	---	---	---	---	---	---	---	---	---	30.03	30.55
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	30.30	30.97
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	29.95	30.01

Water Year 2010	
<b>Mean</b>	30.40
<b>High</b>	29.95
<b>Low</b>	30.97

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