



Water-Data Report 2010

**354404078403101 Local number WK-284, NCDENR LAKE WHEELER ROAD RESEARCH STATION, MW-3S,  
AT RALEIGH, NC (REGOLITH)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Wake County, NC

LOCATION.--Lat 35°44'04", long 78°40'31" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road on North Carolina State University Research Farm at Raleigh. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 ft to 35 ft, sand filter packed from 17 ft to 35 ft.

DATUM.--Land-surface datum is 375.02 ft above NGVD of 1929. Measuring point: top of 4-inch casing, 1.93 ft above land-surface datum.

PERIOD OF RECORD.--May 2001 to current year. Continuous record began September 2007.

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

REMARKS.--Well is part of the North Carolina Groundwater Network.

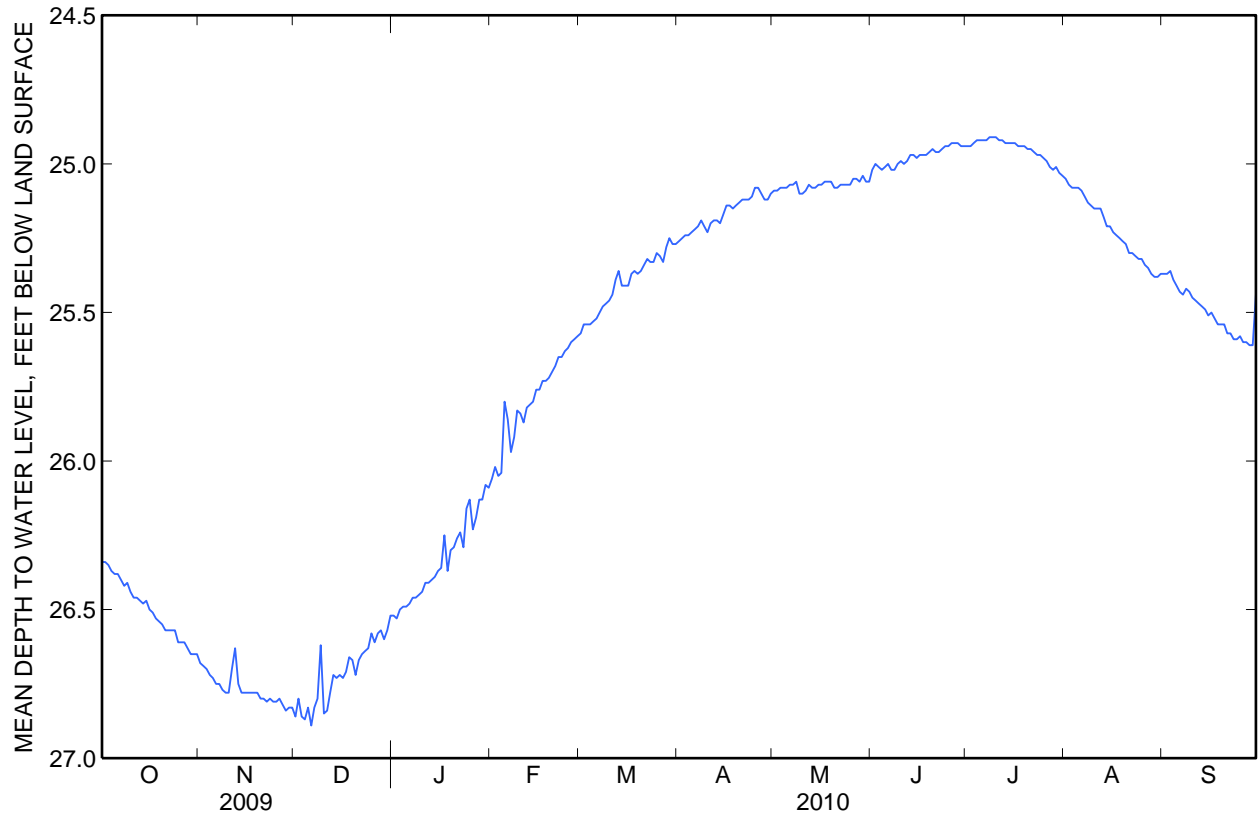
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.54 ft below land-surface datum, November 13, 2003; lowest water level recorded, 27.89 ft below land-surface datum, December 12, 2008.

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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	26.34	26.68	26.86	26.52	26.06	25.57	25.26	25.09	25.02	24.94	25.05	25.37
2	26.34	26.69	26.80	26.53	26.02	25.54	25.25	25.09	25.00	24.94	25.07	25.37
3	26.35	26.70	26.86	26.50	26.05	25.54	25.24	25.08	25.01	24.93	25.08	25.36
4	26.37	26.72	26.87	26.49	26.04	25.54	25.24	25.08	25.02	24.92	25.08	25.39
5	26.38	26.73	26.83	26.49	25.80	25.53	25.23	25.08	25.01	24.92	25.08	25.41
6	26.38	26.75	26.89	26.48	25.86	25.52	25.22	25.07	25.00	24.92	25.09	25.43
7	26.40	26.75	26.83	26.46	25.97	25.50	25.21	25.07	25.02	24.92	25.11	25.44
8	26.42	26.77	26.80	26.46	25.92	25.48	25.19	25.06	25.02	24.91	25.13	25.42
9	26.41	26.78	26.62	26.45	25.83	25.47	25.21	25.10	25.00	24.91	25.14	25.43
10	26.44	26.78	26.85	26.44	25.84	25.46	25.23	25.10	24.99	24.91	25.15	25.45
11	26.46	26.70	26.84	26.41	25.87	25.44	25.20	25.09	25.00	24.92	25.15	25.46
12	26.46	26.63	26.78	26.41	25.82	25.39	25.19	25.07	24.99	24.92	25.15	25.47
13	26.47	26.75	26.72	26.40	25.81	25.36	25.19	25.08	24.97	24.93	25.18	25.48
14	26.48	26.78	26.73	26.39	25.80	25.41	25.20	25.08	24.97	24.93	25.21	25.49
15	26.47	26.78	26.72	26.37	25.76	25.41	25.17	25.07	24.98	24.93	25.21	25.51
16	26.50	26.78	26.73	26.36	25.76	25.41	25.14	25.07	24.97	24.93	25.23	25.50
17	26.51	26.78	26.71	26.25	25.73	25.37	25.14	25.06	24.97	24.94	25.24	25.52
18	26.53	26.78	26.66	26.37	25.73	25.36	25.15	25.06	24.97	24.94	25.25	25.54
19	26.54	26.78	26.67	26.30	25.72	25.37	25.14	25.06	24.96	24.94	25.26	25.54
20	26.55	26.80	26.72	26.29	25.70	25.36	25.13	25.08	24.95	24.95	25.27	25.54
21	26.57	26.80	26.67	26.26	25.68	25.34	25.12	25.08	24.96	24.95	25.30	25.57
22	26.57	26.81	26.65	26.24	25.65	25.32	25.12	25.07	24.96	24.96	25.30	25.57
23	26.57	26.80	26.64	26.29	25.65	25.33	25.12	25.07	24.95	24.97	25.31	25.59
24	26.57	26.81	26.63	26.16	25.63	25.33	25.11	25.07	24.94	24.97	25.32	25.59
25	26.61	26.81	26.58	26.13	25.62	25.30	25.08	25.07	24.94	24.98	25.32	25.58
26	26.61	26.80	26.61	26.23	25.60	25.31	25.08	25.05	24.93	24.99	25.34	25.60
27	26.61	26.82	26.58	26.19	25.59	25.33	25.10	25.05	24.93	25.01	25.35	25.60
28	26.63	26.84	26.57	26.13	25.58	25.28	25.12	25.06	24.93	25.02	25.37	25.61
29	26.65	26.83	26.60	26.13	---	25.25	25.12	25.04	24.94	25.01	25.38	25.61
30	26.65	26.83	26.57	26.08	---	25.27	25.10	25.06	24.94	25.03	25.38	25.44
31	26.65	---	26.52	26.09	---	25.27	---	25.06	---	25.04	25.37	---
<b>Mean</b>	26.50	26.77	26.71	26.33	25.79	25.40	25.17	25.07	24.97	24.95	25.22	25.50
<b>Max</b>	26.65	26.84	26.89	26.53	26.06	25.57	25.26	25.10	25.02	25.04	25.38	25.61
<b>Min</b>	26.34	26.63	26.52	26.08	25.58	25.25	25.08	25.04	24.93	24.91	25.05	25.36

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