



Water-Data Report 2010

**361307080293101 Local number YD-200 (NC-221), NCDENR East Bend Research Station F61f3 near East Bend, NC (Bedrock)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Gneiss  
Yadkin County, NC

LOCATION.--Lat 36°13'08", long 80°29'32" referenced to North American Datum of 1983, Yadkin County, NC, Hydrologic Unit 03040101, near East Bend.  
Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, drilled to 400 ft, diameter 6 in., cased to 54 ft.

DATUM.--Land-surface datum is 1,009.00 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of 12 inch PVC well cap, 3.52 ft above land-surface datum, June 8, 2005 to present.

PERIOD OF RECORD.--June 2000 to current year. Records from June 1972 to May 2000 are unpublished and available in the files of NCDENR, Division of Water Quality, Aquifer Protection Section.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.30 ft below land-surface datum, August 22, 23, 25, 26, 27, September 4, 2003;  
lowest water level recorded, 17.92 ft below land-surface datum, December 12, 13, 2008.

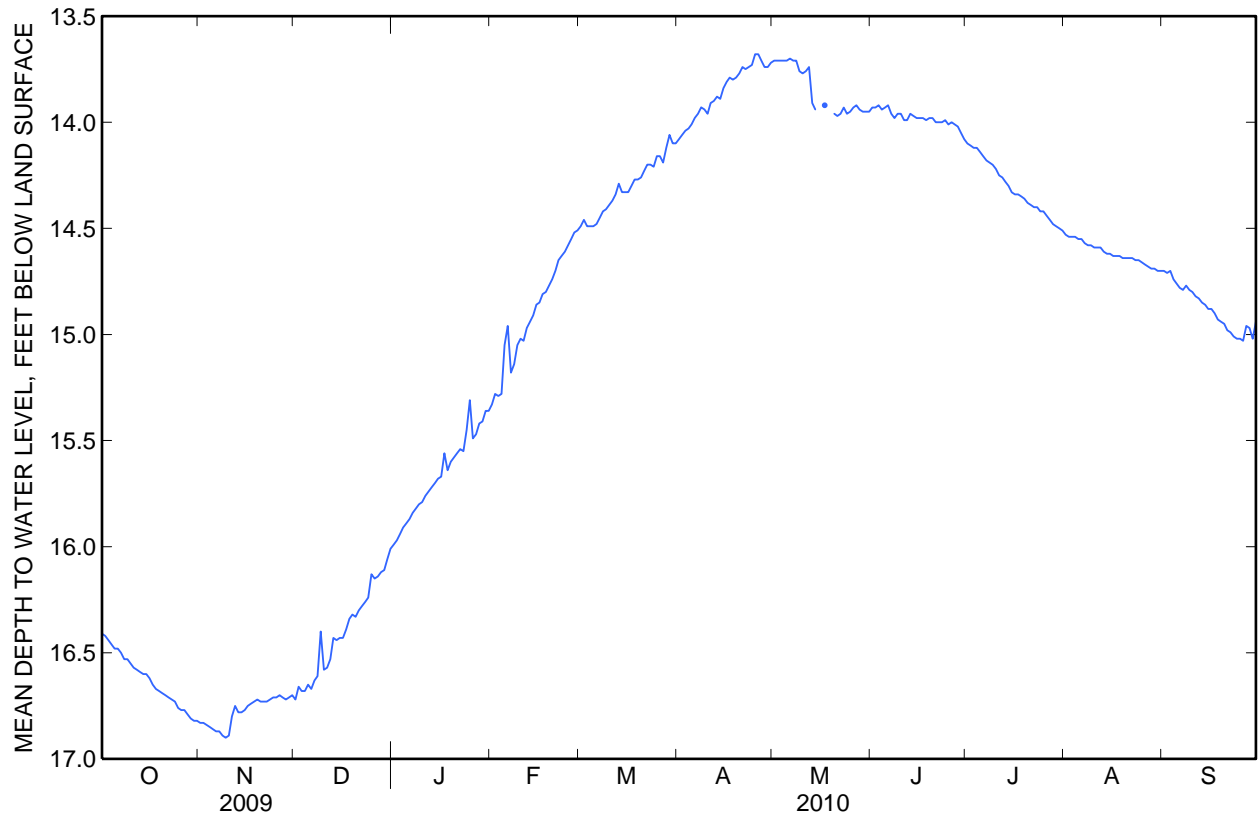
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.41	16.83	16.72	15.99	15.33	14.49	14.08	13.71	13.93	14.10	14.53	14.70
2	16.42	16.83	16.66	15.97	15.28	14.46	14.06	13.71	13.93	14.11	14.54	14.71
3	16.44	16.84	16.68	15.94	15.29	14.49	14.04	13.71	13.92	14.12	14.54	14.70
4	16.46	16.85	16.68	15.91	15.28	14.49	14.03	13.71	13.94	14.12	14.54	14.74
5	16.48	16.86	16.65	15.89	15.05	14.49	14.01	13.71	13.93	14.14	14.55	14.76
6	16.48	16.87	16.67	15.87	14.96	14.48	13.98	13.70	13.92	14.16	14.55	14.78
7	16.50	16.87	16.63	15.84	15.18	14.45	13.96	13.71	13.96	14.18	14.57	14.79
8	16.53	16.89	16.61	15.82	15.14	14.42	13.93	13.71	13.98	14.19	14.58	14.77
9	16.53	16.90	16.40	15.80	15.05	14.41	13.94	13.76	13.96	14.20	14.58	14.79
10	16.55	16.89	16.58	15.79	15.02	14.39	13.96	13.77	13.96	14.22	14.59	14.80
11	16.57	16.80	16.57	15.76	15.03	14.37	13.91	13.76	13.99	14.25	14.59	14.82
12	16.58	16.75	16.53	15.74	14.97	14.34	13.90	13.74	13.99	14.26	14.59	14.83
13	16.59	16.78	16.43	15.72	14.94	14.29	13.88	13.91	13.96	14.28	14.61	14.85
14	16.60	16.78	16.44	15.70	14.91	14.33	13.89	13.94	13.97	14.30	14.62	14.86
15	16.60	16.77	16.43	15.68	14.86	14.33	13.84	---	13.98	14.33	14.62	14.88
16	16.62	16.75	16.43	15.67	14.85	14.33	13.81	---	13.98	14.34	14.63	14.88
17	16.65	16.74	16.39	15.56	14.81	14.30	13.79	13.92	13.98	14.34	14.63	14.90
18	16.67	16.73	16.34	15.64	14.80	14.27	13.80	---	13.99	14.35	14.63	14.93
19	16.68	16.72	16.32	15.60	14.77	14.27	13.79	---	13.98	14.36	14.64	14.94
20	16.69	16.73	16.33	15.58	14.74	14.26	13.77	13.96	13.98	14.38	14.64	14.95
21	16.70	16.73	16.30	15.56	14.70	14.23	13.74	13.97	14.00	14.39	14.64	14.98
22	16.71	16.73	16.28	15.54	14.65	14.20	13.75	13.96	14.00	14.40	14.64	14.99
23	16.72	16.72	16.26	15.55	14.63	14.20	13.74	13.93	14.00	14.40	14.65	15.01
24	16.73	16.71	16.24	15.45	14.61	14.21	13.73	13.96	13.99	14.42	14.65	15.02
25	16.76	16.71	16.13	15.31	14.58	14.16	13.68	13.95	14.01	14.42	14.66	15.02
26	16.77	16.70	16.15	15.49	14.55	14.16	13.68	13.93	14.00	14.44	14.67	15.03
27	16.77	16.71	16.14	15.47	14.52	14.19	13.71	13.92	14.01	14.46	14.68	14.96
28	16.79	16.72	16.12	15.42	14.51	14.12	13.74	13.94	14.02	14.48	14.69	14.97
29	16.81	16.71	16.11	15.41	---	14.06	13.74	13.95	14.05	14.49	14.69	15.02
30	16.82	16.70	16.06	15.36	---	14.10	13.72	13.95	14.08	14.50	14.70	14.94
31	16.82	---	16.01	15.36	---	14.10	---	13.95	---	14.51	14.70	---
<b>Mean</b>	16.63	16.78	16.40	15.66	14.89	14.30	13.85	13.85	13.98	14.31	14.62	14.88
<b>Max</b>	16.82	16.90	16.72	15.99	15.33	14.49	14.08	13.97	14.08	14.51	14.70	15.03
<b>Min</b>	16.41	16.70	16.01	15.31	14.51	14.06	13.68	13.70	13.92	14.10	14.53	14.70

Water Year 2010	
<b>Mean</b>	15.03
<b>High</b>	13.68
<b>Low</b>	16.90

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