

Water-Data Report 2008

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).

GROUND-WATER 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. 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 Records from June 1972 to May 2000 are unpublished and available in the files of NCDENR, Groundwater Section.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, 17.50 ft below land-surface datum, September 28-30, 2008.

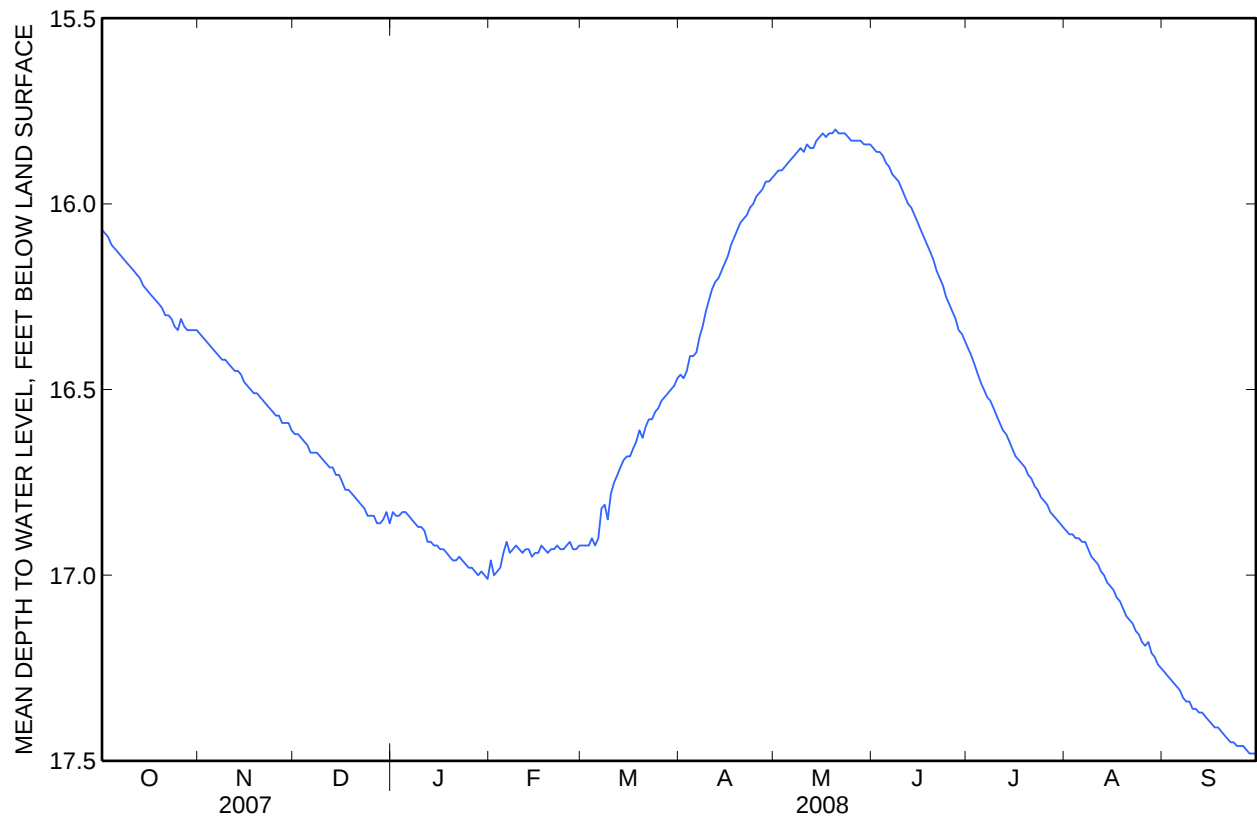
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.07	16.35	16.62	16.83	16.96	16.92	16.46	15.92	15.85	16.39	16.88	17.26
2	16.08	16.36	16.62	16.84	17.00	16.92	16.47	15.91	15.86	16.41	16.89	17.27
3	16.09	16.37	16.63	16.84	16.99	16.92	16.45	15.91	15.86	16.43	16.89	17.28
4	16.11	16.38	16.64	16.83	16.98	16.90	16.41	15.90	15.87	16.46	16.90	17.29
5	16.12	16.39	16.65	16.83	16.94	16.92	16.41	15.89	15.89	16.48	16.90	17.30
6	16.13	16.40	16.67	16.84	16.91	16.90	16.40	15.88	15.90	16.50	16.91	17.31
7	16.14	16.41	16.67	16.85	16.94	16.82	16.36	15.87	15.92	16.52	16.91	17.33
8	16.15	16.42	16.67	16.86	16.93	16.81	16.33	15.86	15.93	16.53	16.93	17.34
9	16.16	16.42	16.68	16.87	16.92	16.85	16.29	15.85	15.94	16.55	16.95	17.34
10	16.17	16.43	16.69	16.87	16.93	16.78	16.26	15.86	15.96	16.57	16.96	17.36
11	16.18	16.44	16.70	16.88	16.94	16.75	16.23	15.84	15.98	16.59	16.97	17.36
12	16.19	16.45	16.71	16.91	16.93	16.73	16.21	15.85	16.00	16.61	16.99	17.37
13	16.20	16.45	16.71	16.91	16.93	16.71	16.20	15.85	16.01	16.62	17.00	17.37
14	16.22	16.46	16.73	16.92	16.95	16.69	16.18	15.83	16.03	16.64	17.02	17.38
15	16.23	16.48	16.73	16.92	16.94	16.68	16.16	15.82	16.05	16.66	17.03	17.39
16	16.24	16.49	16.75	16.93	16.94	16.68	16.14	15.81	16.07	16.68	17.04	17.40
17	16.25	16.50	16.77	16.93	16.92	16.66	16.11	15.82	16.09	16.69	17.06	17.41
18	16.26	16.51	16.77	16.94	16.93	16.64	16.09	15.81	16.11	16.70	17.07	17.41
19	16.27	16.51	16.78	16.95	16.94	16.61	16.07	15.81	16.13	16.71	17.09	17.42
20	16.28	16.52	16.79	16.96	16.93	16.63	16.05	15.80	16.15	16.73	17.11	17.43
21	16.30	16.53	16.80	16.96	16.93	16.60	16.04	15.81	16.18	16.74	17.12	17.44
22	16.30	16.54	16.81	16.95	16.92	16.58	16.03	15.81	16.20	16.76	17.13	17.45
23	16.31	16.55	16.82	16.96	16.93	16.58	16.01	15.81	16.22	16.77	17.15	17.45
24	16.33	16.56	16.84	16.97	16.93	16.56	16.00	15.82	16.25	16.79	17.16	17.46
25	16.34	16.57	16.84	16.98	16.92	16.55	15.98	15.83	16.27	16.80	17.18	17.46
26	16.31	16.57	16.84	16.98	16.91	16.53	15.97	15.83	16.29	16.81	17.19	17.46
27	16.33	16.59	16.86	16.99	16.93	16.52	15.96	15.83	16.31	16.83	17.18	17.47
28	16.34	16.59	16.86	17.00	16.93	16.51	15.94	15.83	16.34	16.84	17.21	17.48
29	16.34	16.59	16.85	16.99	16.92	16.50	15.94	15.84	16.35	16.85	17.22	17.48
30	16.34	16.61	16.83	17.00	---	16.49	15.93	15.84	16.37	16.86	17.24	17.48
31	16.34	---	16.86	17.01	---	16.47	---	15.84	---	16.87	17.25	---
Mean	16.23	16.48	16.75	16.92	16.94	16.69	16.17	15.84	16.08	16.66	17.05	17.39
Max	16.34	16.61	16.86	17.01	17.00	16.92	16.47	15.92	16.37	16.87	17.25	17.48
Min	16.07	16.35	16.62	16.83	16.91	16.47	15.93	15.80	15.85	16.39	16.88	17.26

Water Year 2008	
Mean	16.60
High	15.80
Low	17.48

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