



Water-Data Report 2007

340416078084202 Local number BR-078, DENR Bolivia Research Station well FF33d2, NC-180

Northern Atlantic Coastal Plain aquifer system
Peedee Formation
Brunswick County, NC

LOCATION.--Lat 34°04'17", long 78°08'41" referenced to North American Datum of 1983, Brunswick County, NC, Hydrologic Unit 03040207, in Bolivia at town hall on U.S. Highway 17. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, diameter 4 in., cased to 92 ft, open hole to 140 ft.

DATUM.--Land-surface datum is 40.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.89 ft above land-surface datum, March 11, 1999, to present.

PERIOD OF RECORD.--April 1971 to current year. Continuous record May 1987 to September 1997, January 2000 to current year.

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

REMARKS.--Well is part of Brunswick County ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.05 ft below land-surface datum, May 22, 1972; lowest water level recorded, 15.07 ft below land-surface datum, September 4, 1995.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.71	8.49	7.70	7.51	7.33	7.66	8.10	9.10	10.46	11.64	14.35	14.20
2	8.79	8.43	7.80	7.65	7.21	7.52	8.10	9.13	10.43	11.75	14.41	14.18
3	8.82	8.59	7.79	7.68	7.41	7.63	8.11	9.19	10.20	11.81	14.44	14.10
4	8.81	8.63	7.78	7.59	7.44	7.72	8.02	9.29	10.35	11.82	14.44	14.04
5	8.77	8.59	7.84	7.48	7.45	7.82	8.11	9.30	10.43	11.80	14.46	14.03
6	8.77	8.52	7.81	7.45	7.46	7.90	8.15	9.33	10.53	11.83	14.46	14.07
7	8.83	8.30	7.70	7.50	7.30	7.87	8.20	9.38	10.64	11.93	14.48	14.03
8	8.84	8.08	7.91	7.36	7.36	8.03	8.36	9.34	10.64	12.13	14.51	13.96
9	8.74	8.17	7.95	7.41	7.36	8.00	8.38	9.36	10.60	12.40	14.54	13.89
10	8.70	8.27	7.93	7.56	7.40	7.95	8.41	9.38	10.65	12.66	14.55	13.90
11	8.61	8.22	7.91	7.64	7.50	7.94	8.36	9.41	10.74	12.90	14.60	13.88
12	8.55	8.13	7.89	7.58	7.49	7.99	8.33	9.46	10.76	13.16	14.69	13.86
13	8.61	8.13	7.81	7.52	7.34	7.98	8.51	9.53	10.76	13.42	14.64	13.88
14	8.64	8.10	7.76	7.48	7.22	7.96	8.53	9.70	10.80	13.64	14.60	13.85
15	8.68	8.07	7.71	7.41	7.42	7.92	8.25	9.75	10.85	13.77	14.61	13.80
16	8.71	7.97	7.84	7.39	7.46	7.79	8.40	9.69	10.87	13.91	14.59	13.86
17	8.60	8.07	7.92	7.63	7.45	7.87	8.47	9.68	10.89	13.99	14.54	13.88
18	8.51	8.08	7.92	7.51	7.43	8.03	8.52	9.72	10.93	14.00	14.58	13.85
19	8.51	8.06	7.92	7.40	7.63	8.11	8.60	9.84	10.95	14.01	14.60	13.78
20	8.47	8.09	8.02	7.50	7.54	8.06	8.72	9.85	10.95	14.02	14.59	13.71
21	8.61	7.98	8.01	7.50	7.48	8.11	8.79	9.89	11.03	14.10	14.60	13.67
22	8.58	7.86	7.91	7.31	7.45	8.03	8.84	10.0	11.04	14.17	14.63	13.66
23	8.57	7.95	7.81	7.36	7.60	7.98	8.87	10.10	11.10	14.20	14.65	13.64
24	8.65	7.96	7.90	7.37	7.67	7.99	8.83	10.16	11.27	14.22	14.64	13.64
25	8.74	7.96	7.71	7.33	7.55	8.02	8.81	10.15	11.46	14.25	14.59	13.62
26	8.76	7.95	7.60	7.43	7.50	8.11	8.84	10.16	11.56	14.27	14.52	13.65
27	8.64	7.91	7.78	7.34	7.60	8.05	8.83	10.21	11.57	14.24	14.49	13.56
28	8.40	7.87	7.86	7.21	7.71	8.03	8.88	10.27	11.57	14.23	14.43	13.52
29	8.62	7.87	7.85	7.43	---	8.13	8.97	10.31	11.59	14.26	14.38	13.64
30	8.62	7.81	7.77	7.41	---	8.15	9.05	10.37	11.60	14.28	14.28	13.67
31	8.56	---	7.67	7.45	---	8.10	---	10.42	---	14.29	14.19	---
Mean	8.66	8.14	7.83	7.46	7.46	7.95	8.51	9.72	10.91	13.33	14.52	13.83
Max	8.84	8.63	8.02	7.68	7.71	8.15	9.05	10.42	11.60	14.29	14.69	14.20
Min	8.40	7.81	7.60	7.21	7.21	7.52	8.02	9.10	10.20	11.64	14.19	13.52

Water Year 2007	
Mean	9.87
High	7.21
Low	14.69

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