

## GROUND-WATER LEVELS

## BRUNSWICK COUNTY

340416078084201. County number, BR-099; DENR Bolivia Research Station well FF33d1.

LOCATION.--Lat 34°04'16.83", long 78°08'40.92", North American Datum of 1983, Hydrologic Unit 03040207, in Bolivia at town hall on U.S. Highway 17. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, diameter 4 in.; cased to 50 ft, screened from 50 to 60 ft.

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

DATUM.--Land-surface datum is 41.26 ft above NGVD of 1929. Measuring point: Top of casing, 0.38 ft above land-surface datum.

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

PERIOD OF RECORD.--April 1971 to current year. Continuous record began January 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.25 ft below land-surface datum, June 15, 1978; lowest water level recorded, 8.75 ft below land-surface datum, July 20, 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.82	7.06	8.00	7.86	6.40	5.60	4.08	5.76	7.57	5.11	3.41	2.83
2	4.92	7.09	8.02	7.88	6.46	5.56	4.00	5.85	7.75	5.18	3.18	2.83
3	5.03	7.14	8.07	7.83	6.51	5.15	3.98	6.01	7.82	5.23	3.23	2.90
4	5.11	7.18	8.09	7.87	6.48	4.76	4.02	6.10	7.92	5.36	3.31	3.01
5	5.20	7.22	8.09	7.87	6.58	4.61	4.06	6.12	8.03	5.48	3.28	3.14
6	5.27	7.29	8.09	7.74	6.56	4.54	4.11	6.19	8.08	5.55	3.32	3.27
7	5.38	7.34	8.10	7.46	6.19	4.51	4.22	6.40	8.20	5.49	3.33	3.41
8	5.48	7.38	8.12	7.33	5.57	4.53	4.26	6.46	8.23	5.53	3.40	3.52
9	5.56	7.44	8.16	7.24	5.29	4.53	4.33	6.51	8.28	5.59	3.52	3.59
10	5.62	7.50	8.18	7.20	5.14	4.53	4.37	6.65	8.32	5.68	3.66	3.65
11	5.69	7.56	7.98	7.18	5.06	4.58	4.39	6.56	8.48	5.57	3.78	3.74
12	5.76	7.71	7.77	7.17	5.03	4.57	4.42	6.42	8.50	5.30	3.91	3.89
13	5.84	7.75	7.67	7.13	5.02	4.30	4.46	6.39	8.63	5.16	4.05	4.01
14	5.89	7.72	7.61	7.08	5.05	3.95	4.51	6.32	8.66	4.85	4.18	3.97
15	5.98	7.73	7.61	6.94	5.06	3.83	4.62	6.33	8.47	4.61	4.29	3.48
16	6.04	7.79	7.62	6.81	5.04	3.82	4.68	6.40	8.43	4.55	4.41	3.19
17	6.14	7.86	7.57	6.70	5.08	3.85	4.76	6.46	8.45	4.59	4.51	3.05
18	6.22	7.89	7.53	6.66	5.17	3.88	4.77	6.51	8.35	4.68	4.59	3.06
19	6.27	7.89	7.55	6.63	5.21	3.93	4.79	6.60	8.10	4.79	4.71	2.98
20	6.32	7.91	7.57	6.64	5.21	3.93	4.86	6.67	7.99	4.94	4.90	2.99
21	6.37	7.95	7.61	6.62	5.21	3.97	4.96	6.76	7.94	5.08	5.01	3.08
22	6.42	7.98	7.64	6.65	5.26	4.04	5.16	6.88	7.85	5.20	5.10	3.19
23	6.48	8.00	7.63	6.62	5.30	4.13	5.37	6.99	7.32	5.00	5.23	3.29
24	6.54	7.95	7.62	6.57	5.35	4.18	5.54	7.09	6.74	4.42	5.38	3.18
25	6.61	7.90	7.66	6.55	5.40	4.23	5.51	7.21	6.51	4.12	5.54	3.00
26	6.69	7.89	7.66	6.51	5.40	4.22	5.45	7.34	6.45	3.83	5.56	2.96
27	6.78	7.90	7.70	6.45	5.44	4.16	5.48	7.39	6.25	3.56	5.52	2.92
28	6.86	7.93	7.73	6.41	5.54	4.17	5.48	7.44	5.62	3.55	5.10	3.01
29	6.91	7.94	7.76	6.40	---	4.18	5.54	7.48	5.38	3.64	4.28	3.13
30	6.98	7.97	7.81	6.41	---	4.20	5.71	7.47	5.17	3.76	3.55	3.23
31	7.02	---	7.83	6.41	---	4.19	---	7.49	---	3.85	2.99	---

WTR YR 2002 MEAN 5.81 HIGH 2.83 LOW 8.66

BRUNSWICK COUNTY--Continued

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