

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 sea level. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	5.78	4.22	4.42	4.84	4.18	3.01	4.85	6.06	5.62	4.14	3.85
2	3.45	5.83	4.27	4.45	4.85	4.19	3.16	4.85	5.96	5.72	4.21	3.78
3	3.33	5.88	4.22	4.46	4.90	4.17	3.19	4.91	6.03	5.75	4.28	3.76
4	3.45	5.84	4.14	4.47	4.88	3.77	3.27	5.00	6.27	5.70	4.23	3.64
5	3.56	5.76	4.11	4.49	4.70	3.52	3.33	5.08	6.19	5.63	4.27	3.46
6	3.63	5.83	4.16	4.52	4.61	3.53	3.18	5.18	6.39	5.57	4.34	3.42
7	3.95	5.82	4.15	4.56	4.58	3.62	3.23	5.30	6.12	4.87	4.41	3.49
8	3.86	5.80	4.22	4.55	4.59	3.71	3.28	5.45	6.38	4.35	4.54	3.57
9	3.99	5.73	4.12	4.57	4.58	3.77	3.32	5.55	6.45	4.35	4.68	3.65
10	4.11	5.71	4.13	4.61	4.57	3.85	3.41	5.68	6.50	4.56	4.82	3.55
11	4.21	5.80	3.93	4.62	4.64	3.92	3.50	5.81	6.69	4.38	4.94	3.45
12	4.28	5.97	3.87	4.60	4.60	3.96	3.57	5.86	6.77	4.76	5.01	3.47
13	4.37	6.14	3.93	4.56	4.28	3.68	3.85	5.98	6.87	4.78	4.97	3.55
14	4.48	6.25	3.91	4.52	4.08	3.50	4.02	6.09	6.79	4.95	4.54	3.63
15	4.49	6.30	3.93	4.49	4.02	3.40	3.83	6.14	6.79	5.01	4.10	3.72
16	4.59	6.35	3.94	4.48	4.03	3.22	3.85	6.19	6.80	4.89	4.05	3.83
17	4.71	6.30	3.95	4.50	4.06	3.18	3.93	6.09	6.97	5.29	4.11	3.96
18	4.69	6.34	4.04	4.51	4.13	2.86	4.36	5.99	7.04	5.45	4.18	4.05
19	4.67	6.34	4.06	4.48	4.16	2.89	4.39	6.02	6.68	5.55	4.13	4.15
20	4.88	5.99	4.14	4.47	4.17	2.80	4.41	6.24	6.68	5.43	4.10	4.16
21	4.94	5.66	4.19	4.57	4.20	2.56	4.73	6.56	6.73	5.28	4.13	4.16
22	5.11	5.62	4.23	4.61	4.22	2.41	4.49	6.64	6.69	5.01	4.19	4.19
23	5.17	5.54	4.30	4.59	4.22	2.71	4.43	6.60	6.73	5.32	4.27	4.25
24	5.19	5.59	4.32	4.62	4.22	2.63	4.46	6.68	6.70	4.88	4.34	4.30
25	5.22	5.50	4.38	4.66	4.23	2.77	4.46	6.96	6.00	4.84	4.41	4.34
26	5.25	4.69	4.42	4.71	4.17	3.05	4.36	6.99	5.59	4.86	4.49	4.41
27	5.27	4.24	4.41	4.71	4.00	3.21	4.36	6.98	5.46	4.75	4.59	4.47
28	5.38	4.17	4.36	4.78	4.16	3.37	4.43	6.93	5.42	4.49	4.69	4.55
29	5.61	4.16	4.32	4.80	---	3.25	4.59	6.55	5.44	4.42	4.82	4.66
30	5.61	4.19	4.32	4.77	---	2.69	4.69	6.15	5.52	4.47	4.77	4.74
31	5.76	---	4.38	4.80	---	2.73	---	6.01	---	4.34	4.18	---

WTR YR 2001 MEAN 4.68 HIGH 2.41 LOW 7.04

BRUNSWICK COUNTY--Continued

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