

GROUND-WATER LEVELS

BRUNSWICK COUNTY

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

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 140 ft, diameter 4 in., cased to 92 ft, open hole to 140 ft.

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

DATUM.--Land-surface datum is 40.97 ft above sea level. Measuring point: Top of casing 0.89 ft above land-surface datum.

REMARKS.-- Well is part of Brunswick County Groundwater project.

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

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, Sept. 4, 1995.

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	7.97	8.95	9.64	8.63	8.69	8.68	8.64	11.37	10.65	11.31	10.72	10.40
2	8.10	9.07	9.54	8.68	8.68	8.72	8.74	11.50	10.53	11.37	10.64	10.36
3	8.29	9.25	9.46	8.64	8.80	8.80	8.66	11.67	10.52	11.44	10.50	10.30
4	8.44	9.39	9.41	8.52	8.74	8.73	8.63	11.76	10.58	11.40	10.39	10.22
5	8.50	9.60	9.26	8.42	8.64	8.69	8.63	11.82	10.58	11.36	10.41	10.16
6	8.51	9.91	9.17	8.45	8.72	8.68	8.51	11.99	10.54	11.33	10.41	10.15
7	8.60	10.17	9.07	8.51	8.79	8.73	8.43	12.18	10.53	11.27	10.35	10.06
8	8.65	10.39	9.05	8.43	8.84	8.75	8.38	12.16	10.61	11.10	10.37	9.99
9	8.65	10.54	9.09	8.55	8.75	8.73	8.29	12.05	10.78	10.92	10.52	9.95
10	8.66	10.73	8.99	8.68	8.66	8.90	8.27	11.93	10.92	10.82	10.71	9.89
11	8.65	11.06	8.90	8.66	8.83	9.04	8.33	11.80	10.99	10.75	10.94	9.84
12	8.65	11.25	8.84	8.57	8.79	9.11	8.33	11.65	11.00	10.82	11.20	9.83
13	8.63	11.32	8.96	8.62	8.72	9.01	8.27	11.56	10.97	10.94	11.37	9.80
14	8.58	11.24	8.81	8.63	8.63	9.22	8.27	11.54	10.97	11.08	11.43	9.80
15	8.52	11.28	8.82	8.58	8.54	9.22	8.22	11.38	10.98	11.21	11.58	9.85
16	8.52	11.20	8.66	8.58	8.51	9.35	8.31	11.29	10.96	11.37	11.65	9.88
17	8.53	11.04	8.50	8.62	8.49	9.54	8.56	11.29	11.00	11.51	11.58	9.95
18	8.53	11.08	8.63	8.56	8.67	9.78	8.91	11.26	11.07	11.56	11.45	9.93
19	8.62	10.93	8.48	8.47	8.66	9.99	9.25	11.17	11.19	11.57	11.30	9.92
20	8.68	10.81	8.61	8.46	8.57	9.88	9.53	11.14	11.34	11.54	11.21	9.86
21	8.67	10.76	8.65	8.69	8.49	9.75	9.80	11.13	11.50	11.50	11.14	9.85
22	8.72	10.71	8.60	8.74	8.47	9.78	10.00	11.07	11.61	11.45	11.07	9.86
23	8.85	10.59	8.74	8.60	8.61	9.79	10.15	11.01	11.70	11.37	10.98	9.87
24	8.82	10.49	8.65	8.59	8.74	9.67	10.28	11.03	11.72	11.32	10.85	9.80
25	8.78	10.22	8.72	8.62	8.64	9.53	10.44	11.03	11.71	11.25	10.80	9.81
26	8.77	10.03	8.72	8.72	8.60	9.41	10.65	10.97	11.71	11.16	10.75	9.88
27	8.72	9.96	8.57	8.63	8.65	9.41	10.84	10.93	11.64	11.08	10.66	9.85
28	8.76	9.90	8.43	8.75	8.59	9.32	10.98	10.90	11.52	11.00	10.64	9.84
29	8.86	9.78	8.43	8.71	---	9.03	11.24	10.82	11.41	10.84	10.64	9.89
30	8.88	9.68	8.42	8.54	---	8.84	11.33	10.82	11.35	10.73	10.58	9.90
31	8.91	---	8.57	8.57	---	8.75	---	10.77	---	10.76	10.48	---

WTR YR 2001 MEAN 9.84 HIGH 7.97 LOW 12.18

BRUNSWICK COUNTY--Continued

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