

GROUND-WATER LEVELS

BRUNSWICK COUNTY--Continued

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 NGVD of 1929. 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.01	10.14	13.64	11.86	10.85	12.67	9.72	10.57	11.80	12.07	9.98	9.87
2	9.06	10.16	13.57	11.87	10.91	12.61	9.73	10.51	11.74	11.89	9.95	9.72
3	9.13	10.25	13.52	11.67	10.86	12.49	9.62	10.57	11.84	11.74	9.92	9.60
4	9.14	10.38	13.44	11.83	10.76	12.71	9.67	10.74	12.04	11.64	9.82	9.50
5	9.15	10.50	13.33	11.84	10.95	12.93	9.61	10.93	12.26	11.55	9.70	9.41
6	9.09	10.70	13.13	11.54	10.89	12.94	9.58	11.15	12.39	11.49	9.57	9.39
7	9.24	10.87	12.95	11.55	10.60	12.91	9.64	11.29	12.64	11.49	9.57	9.40
8	9.38	10.98	12.82	11.67	10.69	12.93	9.58	11.47	12.93	11.46	9.57	9.39
9	9.45	11.11	12.75	11.59	10.73	12.90	9.51	11.69	13.03	11.37	9.56	9.32
10	9.41	11.26	12.74	11.51	10.56	12.79	9.47	11.93	13.07	11.27	9.53	9.25
11	9.37	11.45	12.59	11.44	10.45	12.72	9.47	12.16	13.09	11.17	9.48	9.29
12	9.33	11.80	12.56	11.40	10.42	12.43	9.43	12.29	13.14	11.16	9.45	9.44
13	9.35	12.04	12.39	11.34	10.37	12.04	9.37	12.30	13.18	11.06	9.45	9.48
14	9.32	12.17	12.26	11.37	10.41	11.98	9.34	12.42	13.21	10.97	9.44	9.42
15	9.43	12.29	12.28	11.28	10.38	11.79	9.46	12.70	13.29	10.98	9.48	9.31
16	9.43	12.49	12.29	11.37	10.33	11.56	9.67	12.83	13.46	10.93	9.50	9.17
17	9.52	12.75	12.04	11.25	10.46	11.42	9.79	12.81	13.61	10.90	9.50	9.10
18	9.62	12.95	11.86	11.22	10.80	11.23	9.81	12.79	13.79	10.86	9.50	9.04
19	9.58	13.03	11.93	11.11	10.99	11.09	9.81	12.92	13.90	10.80	9.56	8.97
20	9.59	13.10	12.05	11.16	11.06	10.83	9.74	12.92	13.90	10.81	9.65	8.91
21	9.67	13.31	12.20	11.11	11.17	10.65	9.75	12.85	13.81	10.85	9.78	8.83
22	9.64	13.46	12.28	11.23	11.38	10.63	9.77	12.76	13.65	10.89	9.85	8.75
23	9.61	13.57	12.12	11.12	11.57	10.58	10.01	12.61	13.46	10.81	9.83	8.73
24	9.64	13.66	11.96	10.97	11.82	10.43	10.24	12.44	13.28	10.75	9.85	8.71
25	9.70	13.77	12.01	10.99	12.01	10.33	10.37	12.34	13.11	10.66	9.90	8.63
26	9.82	13.81	11.88	11.06	12.01	10.19	10.65	12.27	12.93	10.56	10.0	8.49
27	9.93	13.83	11.90	11.03	12.14	10.05	10.75	12.19	12.68	10.45	10.08	8.36
28	10.10	13.84	11.86	10.96	12.46	10.07	10.64	12.11	12.50	10.37	10.07	8.37
29	10.16	13.79	11.83	10.94	---	9.99	10.56	12.00	12.37	10.28	10.09	8.42
30	10.13	13.68	11.91	10.94	---	9.89	10.67	11.90	12.22	10.20	10.07	8.41
31	10.14	---	11.88	10.95	---	9.79	---	11.85	---	10.10	10.00	---

WTR YR 2002 MEAN 11.06 HIGH 8.36 LOW 13.90

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