



Water-Data Report 2007

345809077301408 Local number JO-035, DENR Comfort Research Station well U26j8, NC-173

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
Jones County, NC

LOCATION.--Lat 34°58'12", long 77°30'12" referenced to North American Datum of 1983, Jones County, NC, Hydrologic Unit 03020204, 2.5 mi south of Comfort at North Carolina Division of Forest Resources Fire Tower on Secondary Road 1003. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 15 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 15 ft.

DATUM.--Land-surface datum is 68 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of collar on 4-inch casing, 2.35 ft above land-surface datum, August 27, 1986, to present.

PERIOD OF RECORD.--January 1987 to current year.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.06 ft above land-surface datum, September 16, 1999; lowest water level recorded, 10.14 ft below land-surface datum, November 6-13, 2002.

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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	3.87	4.09	2.02	1.86	1.95	3.59	4.38	5.36	7.37	8.99	9.43	9.71
2	4.07	4.18	2.14	1.92	0.96	1.95	4.45	5.50	7.42	9.02	9.44	9.72
3	4.23	4.33	2.28	2.11	1.24	1.40	4.55	5.62	7.15	9.04	9.46	9.73
4	4.38	4.42	2.36	---	1.48	1.68	4.60	5.66	7.16	9.07	9.47	9.75
5	4.52	4.48	2.47	---	1.72	1.90	4.74	5.70	7.31	9.09	9.48	9.76
6	4.66	4.56	2.57	---	1.90	2.12	4.81	5.75	7.46	9.10	9.49	9.77
7	4.74	4.52	2.65	---	2.01	2.24	4.91	5.76	7.54	9.12	9.51	9.78
8	4.78	3.62	2.80	---	2.20	2.43	5.00	5.75	7.57	9.13	9.52	9.79
9	4.60	3.26	2.88	1.09	2.33	2.58	5.06	5.75	7.65	9.15	9.53	9.80
10	4.26	3.27	2.96	1.32	2.47	2.70	5.14	5.80	7.77	9.17	9.54	9.82
11	4.11	3.32	3.07	1.52	2.61	2.83	5.19	5.89	7.88	9.18	9.51	9.83
12	4.14	3.31	3.16	1.67	2.70	2.96	5.25	5.99	7.94	9.20	9.49	9.84
13	4.29	2.95	3.22	1.83	2.75	3.06	5.39	6.02	8.03	9.22	9.49	9.85
14	4.42	2.89	3.29	1.99	2.60	3.15	5.46	6.09	8.12	9.23	9.52	9.86
15	4.60	2.95	3.35	2.11	2.69	3.26	4.92	6.14	8.19	9.24	9.54	9.87
16	4.75	2.94	3.48	2.27	2.79	3.31	3.55	6.22	8.27	9.26	9.56	9.88
17	4.77	2.74	3.57	2.45	2.86	3.02	3.39	6.27	8.35	9.25	9.57	9.89
18	4.77	2.70	3.65	2.42	2.95	3.05	3.46	6.15	8.44	9.25	9.58	9.90
19	4.73	2.71	3.74	2.21	3.08	3.16	3.57	6.08	8.51	9.26	9.59	9.91
20	4.74	2.87	3.83	2.42	3.10	3.28	3.71	6.08	8.56	9.27	9.60	9.92
21	4.89	---	3.89	2.56	3.18	3.40	3.86	6.19	8.60	9.29	9.61	9.92
22	4.88	---	3.92	1.52	3.25	3.47	4.01	6.30	8.65	9.30	9.62	9.93
23	4.91	0.60	1.45	1.45	3.38	3.56	4.16	6.39	8.71	9.32	9.63	9.94
24	5.02	0.88	1.38	1.68	3.46	3.69	4.27	6.47	8.76	9.34	9.64	9.95
25	5.10	1.12	1.03	1.86	3.49	3.80	4.41	6.55	8.80	9.35	9.65	9.96
26	5.16	1.33	0.63	2.07	3.42	3.88	4.57	6.65	8.83	9.37	9.66	9.97
27	5.16	1.52	1.02	2.19	3.45	3.95	4.70	6.77	8.86	9.38	9.67	9.98
28	4.69	---	1.29	2.17	3.54	4.06	4.86	6.88	8.90	9.39	9.67	9.99
29	4.11	---	1.51	2.27	---	4.17	5.02	7.00	8.93	9.40	9.68	10.0
30	4.01	2.00	1.69	2.35	---	4.22	5.19	7.13	8.96	9.41	9.69	10.01
31	4.03	---	1.84	2.49	---	4.29	---	7.26	---	9.42	9.70	---
Mean	4.56	2.98	2.55	1.99	2.63	3.10	4.55	6.17	8.16	9.23	9.57	9.87
Max	5.16	4.56	3.92	2.56	3.54	4.29	5.46	7.26	8.96	9.42	9.70	10.01
Min	3.87	0.60	0.63	1.09	0.96	1.40	3.39	5.36	7.15	8.99	9.43	9.71

Water Year 2007	
Mean	5.54
High	0.60
Low	10.01

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