

Water-Data Report 2007

**351709082434101 Local number TR-066, NC-147**

Surficial aquifer system  
Quaternary Alluvium  
Transylvania County, NC

LOCATION.--Lat 35°17'09", long 82°43'41" referenced to North American Datum of 1983, Transylvania County, NC, Hydrologic Unit 06010105, 3.5 mi north of Brevard on U.S. Highway 276, 700 ft northwest of U.S. Forest Service Ranger Station in Pisgah National Forest. Owner: U.S. Geological Survey.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 25 ft, diameter 4 in., cased to 11.6 ft, screened interval from 11.6 to 21.6 ft; measured depth 22.9 ft, June 1985.

DATUM.--Land-surface datum is 2,176.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: between notches cut in top of 4-inch PVC casing, 2.24 ft above land-surface datum, June 7, 1985, to present.

PERIOD OF RECORD.--June 1985 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, 5.97 ft below land-surface datum, September 18, 2004; lowest water level recorded, 17.75 ft below land-surface datum, September 26, 27, 28, 1999.

351709082434101 Local number TR-066, NC-147—Continued

**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	16.12	14.98	15.05	9.94	13.15	13.88	13.80	14.57	15.70	15.22	16.05	16.93
2	16.17	15.08	14.85	9.84	13.18	11.95	13.84	14.60	15.73	15.27	16.09	16.95
3	16.21	15.18	14.69	10.44	13.28	11.78	13.88	14.64	15.75	15.31	16.12	16.97
4	16.25	15.26	14.62	11.02	13.34	12.13	13.90	14.66	15.78	15.37	16.16	17.00
5	16.29	15.32	14.61	11.40	13.40	12.45	13.92	14.67	15.83	15.43	16.19	17.02
6	16.33	15.38	14.65	11.26	13.45	12.68	13.96	14.67	15.88	15.49	16.21	17.05
7	16.37	15.42	14.71	11.27	13.46	12.85	13.99	14.69	15.93	15.52	16.24	17.07
8	16.40	15.41	14.80	9.69	13.52	12.99	14.05	14.70	15.98	15.48	16.28	17.10
9	16.42	15.35	14.86	9.42	13.56	13.13	14.09	14.73	16.02	15.48	16.32	17.12
10	16.45	15.29	14.92	9.67	13.60	13.23	14.12	14.76	16.06	15.47	16.35	17.15
11	16.46	15.23	14.97	10.04	13.66	13.30	14.14	14.80	16.10	15.48	16.37	17.18
12	16.43	15.23	15.03	10.39	13.70	13.37	14.15	14.81	16.02	15.50	16.40	17.20
13	16.41	15.26	15.07	10.72	13.71	13.43	14.21	14.83	15.54	15.55	16.44	17.23
14	16.39	15.30	15.10	11.03	13.72	13.47	14.24	14.88	15.37	15.57	16.48	17.21
15	16.38	15.33	15.14	11.30	13.77	13.51	14.21	14.92	15.26	15.62	16.52	17.09
16	16.36	14.17	15.19	11.56	13.82	13.49	14.16	14.94	15.11	15.66	16.56	17.04
17	16.22	13.67	15.23	11.84	13.85	13.33	14.14	14.98	15.03	15.71	16.59	17.00
18	15.59	13.75	15.26	11.99	13.88	13.26	14.14	15.02	15.03	15.73	16.62	16.98
19	15.26	13.94	15.30	12.10	13.94	13.25	14.14	15.07	15.07	15.75	16.66	16.97
20	15.11	14.13	15.33	12.26	13.96	13.28	14.17	15.11	15.12	15.79	16.70	16.97
21	15.04	14.29	15.35	12.40	13.98	13.34	14.22	15.15	15.20	15.84	16.74	16.97
22	15.03	14.42	15.20	12.42	14.01	13.39	14.26	15.21	15.27	15.89	16.77	16.96
23	15.08	14.55	14.56	12.44	14.06	13.43	14.30	15.26	15.33	15.93	16.80	16.96
24	15.18	14.67	14.31	12.53	14.09	13.49	14.33	15.30	15.29	15.97	16.83	16.98
25	15.27	14.76	14.12	12.61	14.08	13.55	14.35	15.35	15.20	16.00	16.86	17.00
26	15.35	14.85	13.47	12.70	14.00	13.60	14.39	15.39	15.09	16.03	16.88	17.03
27	15.41	14.93	13.38	12.77	13.98	13.63	14.41	15.44	15.06	16.04	16.89	17.06
28	15.28	15.00	13.53	12.83	13.98	13.66	14.46	15.50	15.07	16.05	16.89	17.08
29	15.04	15.06	13.70	12.95	---	13.71	14.50	15.55	15.11	16.05	16.91	17.12
30	14.92	15.10	13.83	13.03	---	13.76	14.54	15.60	15.17	16.04	16.92	17.16
31	14.92	---	13.72	13.10	---	13.77	---	15.65	---	16.03	16.93	---
<b>Mean</b>	15.81	14.88	14.66	11.51	13.72	13.23	14.17	15.01	15.47	15.69	16.54	17.05
<b>Max</b>	16.46	15.42	15.35	13.10	14.09	13.88	14.54	15.65	16.10	16.05	16.93	17.23
<b>Min</b>	14.92	13.67	13.38	9.42	13.15	11.78	13.80	14.57	15.03	15.22	16.05	16.93

<b>Water Year 2007</b>	
<b>Mean</b>	14.81
<b>High</b>	9.42
<b>Low</b>	17.23

351709082434101 Local number TR-066, NC-147—Continued

