



Water-Data Report 2007

352519083272401 Local number SW-036, NC-219

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss
Swain County, NC

LOCATION.--Lat 35°29'19", long 83°27'23" referenced to North American Datum of 1983, Swain County, NC, Hydrologic Unit 06010203, in Bryson City, 0.75 mi southwest of intersection Fontana Dam road and Tuskaseegee River. Owner: Wallace Company of North Carolina.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 555 ft, diameter 10 in.

DATUM.--Land-surface datum is 1,719 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR, North Carolina Department of Environment and Natural Resources). Measuring point: top of instrument shelf, 6.90 ft above land-surface datum.

PERIOD OF RECORD.--August 2000 to current year. Records from February 1965 to March 1999 are unpublished and available in the files of the NCDENR, Division of Water Quality.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.86 ft above land-surface datum, September 18, 2004; lowest water level recorded, 7.37 ft below land-surface datum, September 13, 14, 2007.

352519083272401 Local number SW-036, NC-219—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	5.92	5.69	5.51	4.67	5.47	5.56	5.74	6.16	6.59	6.63	5.82	6.83
2	6.02	5.64	5.37	4.82	5.51	4.60	5.62	6.19	6.59	6.70	5.89	6.88
3	6.10	5.71	5.38	4.95	5.57	4.63	5.70	6.21	6.61	6.73	6.04	6.91
4	6.17	5.79	5.46	5.04	5.66	4.79	5.61	6.20	6.62	6.77	6.19	6.95
5	6.22	5.85	5.65	5.06	5.74	4.95	5.60	6.16	6.65	6.79	6.32	7.06
6	6.21	5.89	5.68	5.01	5.77	5.11	5.63	6.07	6.65	6.82	6.42	7.13
7	6.29	5.91	5.72	5.02	5.82	5.20	5.68	6.16	6.67	6.83	6.44	7.19
8	6.31	5.69	5.71	4.38	5.80	5.29	5.77	6.18	6.71	6.80	6.51	7.23
9	6.28	5.61	5.74	4.42	5.86	5.37	5.83	6.18	6.71	6.86	6.55	7.19
10	6.31	5.66	5.78	4.52	5.88	5.45	5.86	6.23	6.73	6.85	6.59	7.27
11	6.37	5.73	5.81	4.64	5.91	5.51	5.89	6.24	6.77	6.67	6.60	7.31
12	6.34	5.69	5.88	4.73	5.94	5.58	5.79	6.17	6.80	6.17	6.68	7.33
13	6.39	5.76	5.91	4.80	5.98	5.64	5.83	6.20	6.77	6.21	6.76	7.35
14	6.42	5.80	5.95	4.85	5.92	5.68	5.80	6.25	6.76	6.32	6.84	7.17
15	6.45	5.70	5.99	4.90	5.94	5.70	5.62	6.26	6.69	6.45	6.84	6.45
16	6.47	4.49	6.02	4.97	5.98	5.04	5.73	6.29	6.74	6.55	6.85	6.61
17	5.71	4.48	6.05	5.12	6.06	4.77	5.78	6.29	6.79	6.60	6.88	6.74
18	4.88	4.64	6.08	5.16	6.10	4.79	5.82	6.36	6.81	6.59	6.91	6.87
19	5.15	4.77	6.09	5.21	6.11	4.98	5.84	6.39	6.68	6.56	6.93	6.88
20	5.27	4.99	6.11	5.25	6.12	5.09	5.85	6.41	5.98	6.51	6.97	6.96
21	5.36	5.13	6.12	5.25	5.96	5.17	5.90	6.44	5.88	6.39	7.01	7.01
22	5.47	5.16	5.96	4.99	5.88	5.25	5.95	6.47	6.10	6.45	6.95	7.04
23	5.58	5.17	5.63	4.98	5.89	5.33	5.98	6.46	6.26	6.49	6.94	7.08
24	5.70	5.32	5.67	5.01	5.97	5.36	6.02	6.50	6.40	6.43	6.95	7.16
25	5.76	5.38	5.65	5.09	5.91	5.48	6.05	6.52	6.52	6.37	6.93	7.19
26	5.81	5.45	5.61	5.17	5.73	5.53	6.03	6.51	6.56	6.24	6.90	7.17
27	5.76	5.49	5.65	5.25	5.76	5.59	5.98	6.52	6.58	6.20	6.95	7.16
28	5.35	5.54	5.62	5.31	5.71	5.64	6.04	6.53	6.59	6.04	7.00	7.18
29	5.39	5.56	5.64	5.37	---	5.69	6.09	6.57	6.54	5.81	6.96	7.24
30	5.52	5.65	5.69	5.41	---	5.71	6.13	6.59	6.50	5.90	6.91	7.26
31	5.60	---	5.65	5.46	---	5.78	---	6.60	---	5.90	6.86	---
Mean	5.89	5.44	5.77	4.99	5.86	5.30	5.84	6.33	6.58	6.47	6.69	7.06
Max	6.47	5.91	6.12	5.46	6.12	5.78	6.13	6.60	6.81	6.86	7.01	7.35
Min	4.88	4.48	5.37	4.38	5.47	4.60	5.60	6.07	5.88	5.81	5.82	6.45

Water Year 2007	
Mean	6.02
High	4.38
Low	7.35

352519083272401 Local number SW-036, NC-219—Continued

