

GROUND-WATER LEVELS

SWAIN COUNTY

352519083272401. Local number, NC-219; County number, SW-036.

LOCATION.--Lat 35°29'19", long 83°27'23", Hydrologic Unit 06010203, in Bryson City, 0.75 mi southwest of intersection Fontana Dam road and Tuskasegee River. Owner: Wallace Company of North Carolina.

AQUIFER.--Felsic Gneiss.

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

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

DATUM.--Land-surface datum is 1,719.00 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 6.90 ft above land-surface datum.

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

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 Records from February 1965 to March 1999 are unpublished and available in the files of the Division of Water Quality, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.86 ft above land-surface datum, Sept. 18, 2004; lowest water level recorded, 7.31 ft below land-surface datum, Nov. 4-7, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	5.53	3.77	4.65	5.53	4.39	4.63	4.99	5.66	4.87	5.00	4.66
2	4.03	5.62	3.81	4.67	5.55	4.50	4.33	5.08	5.44	5.01	5.17	4.78
3	4.15	5.45	3.96	4.71	5.42	4.59	4.29	5.14	5.37	5.09	5.23	4.95
4	4.27	4.80	4.09	4.73	5.44	4.68	4.28	5.19	5.48	5.09	5.20	5.08
5	4.41	4.60	4.25	4.76	5.47	4.74	4.30	5.26	5.48	5.13	5.27	5.17
6	4.58	4.74	4.23	4.78	5.49	4.81	4.29	5.30	5.58	5.11	5.33	5.24
7	4.62	4.84	3.79	4.82	5.46	4.86	4.29	5.34	5.52	4.26	5.48	5.32
8	4.70	4.94	3.73	4.76	5.53	4.43	4.29	5.41	5.45	3.90	5.31	5.38
9	---	5.02	3.45	4.81	5.59	4.38	4.47	5.43	5.37	4.07	5.31	5.53
10	4.87	5.14	3.09	4.88	5.61	4.42	4.54	5.45	5.35	4.14	5.32	5.55
11	4.95	5.26	3.11	4.90	5.65	4.51	4.59	5.38	5.31	4.30	5.44	5.60
12	5.01	5.05	3.23	5.03	5.69	4.54	4.62	5.48	5.27	4.02	5.47	5.69
13	4.97	4.66	3.36	5.10	5.70	4.63	4.50	5.49	3.59	3.97	5.46	5.78
14	5.05	4.70	3.51	4.45	5.60	4.61	4.30	5.46	3.96	3.98	5.07	5.85
15	5.21	4.77	3.63	4.57	5.50	4.71	4.42	5.38	4.22	4.06	5.20	5.90
16	5.28	4.86	3.81	4.64	5.49	4.73	4.53	5.32	4.56	4.15	5.33	5.95
17	5.29	4.96	3.87	4.74	5.42	4.71	4.57	5.47	4.70	4.38	5.43	5.95
18	5.26	5.06	3.95	4.81	5.47	4.69	4.62	5.49	4.79	4.50	5.32	6.05
19	5.12	5.11	4.03	4.86	5.49	4.80	4.78	5.54	4.79	4.47	5.10	6.10
20	4.96	5.17	4.13	4.91	5.47	4.86	4.85	5.10	4.78	4.53	5.14	6.15
21	5.12	5.26	4.20	4.96	4.77	4.91	4.93	4.81	4.74	4.50	5.26	6.08
22	---	5.32	4.27	5.05	4.04	4.96	4.92	4.90	4.87	4.35	5.40	6.00
23	5.33	5.23	4.12	5.15	4.07	4.73	4.85	5.04	5.01	4.58	5.36	5.99
24	5.37	4.31	4.16	5.22	4.08	4.61	4.93	5.20	5.08	4.71	5.50	6.08
25	5.38	3.49	4.26	5.23	4.14	4.61	4.98	5.27	5.14	4.82	5.49	6.26
26	5.47	3.69	4.32	5.27	4.30	4.72	4.98	5.39	5.20	4.91	5.58	6.29
27	5.53	3.84	4.37	5.33	4.38	4.78	4.96	5.45	5.27	4.97	5.51	6.14
28	5.60	3.94	4.42	5.42	4.37	4.57	5.02	5.51	5.26	5.04	5.49	6.22
29	5.50	4.06	4.47	5.43	---	4.58	5.04	5.54	5.13	4.93	5.45	6.25
30	5.54	4.17	4.52	5.42	---	4.57	5.02	5.60	4.89	4.89	4.83	6.27
31	5.55	---	4.56	5.48	---	4.58	---	5.65	---	4.99	4.49	---

WTR YR 2005 MEAN 4.92 HIGH 3.09 LOW 6.29

