

GROUND-WATER LEVELS

SWAIN COUNTY

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

LOCATION.--Lat 35°25'19", long 83°27'24", Hydrologic Unit 06010203, in Bryson City, 0.75 mi southwest of intersection Fontana Dam road and Tuskaseegee 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 Records from February 1965 to March 1999 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.97 ft below land-surface datum, Jan. 25, 2002; lowest water level recorded, 7.31 ft below land-surface datum, Nov. 4-7, 2000.

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	6.39	6.86	6.56	6.12	4.66	5.88	4.27	5.48	6.13	6.52	6.80	6.65
2	6.24	6.80	6.63	6.05	4.76	5.92	4.43	5.27	6.21	6.55	6.83	6.71
3	6.38	6.74	6.65	6.03	4.85	5.69	4.57	5.31	6.29	6.20	6.85	6.75
4	6.26	6.79	6.64	6.04	4.93	5.83	4.65	4.55	6.26	6.17	6.87	6.79
5	6.42	6.88	6.78	6.06	5.01	5.92	4.77	4.31	6.13	6.32	6.90	6.85
6	6.27	6.98	6.76	6.26	5.07	5.95	4.89	4.54	6.01	6.42	6.96	7.02
7	6.29	7.02	6.78	6.27	4.94	5.98	4.97	4.76	5.90	6.50	6.97	7.06
8	6.37	6.86	6.74	6.12	5.02	5.99	5.06	4.91	5.99	6.56	6.98	7.05
9	6.49	6.81	6.72	6.09	5.10	6.11	5.01	5.03	6.12	6.58	6.99	7.05
10	6.53	6.76	6.56	6.07	5.16	6.14	4.95	5.10	6.21	6.60	7.02	7.07
11	6.58	6.82	6.10	6.26	5.22	6.19	5.12	5.18	6.17	6.56	7.03	7.07
12	6.59	6.91	6.12	6.31	5.30	6.14	5.18	5.36	6.19	6.46	7.02	7.14
13	6.45	6.88	6.11	6.38	5.36	6.02	5.20	5.37	6.19	6.52	7.05	6.92
14	6.42	6.83	5.92	6.48	5.41	6.05	5.26	5.22	6.18	6.37	7.05	6.72
15	6.17	6.87	5.96	6.49	5.47	6.10	5.29	5.35	6.29	6.45	6.99	6.58
16	6.43	6.90	6.03	6.58	5.52	6.03	5.38	5.41	6.36	6.50	6.85	6.65
17	6.57	6.92	6.05	6.61	5.54	5.33	5.41	5.47	6.42	6.51	6.84	6.87
18	6.66	6.96	5.53	6.60	5.57	4.70	5.45	5.34	6.48	6.59	6.84	7.01
19	6.75	6.93	5.51	5.88	5.61	4.82	5.50	5.47	6.47	6.62	6.87	7.07
20	6.74	6.87	5.67	4.44	5.63	5.03	5.52	5.61	6.54	6.57	6.88	6.94
21	6.45	6.91	5.78	4.77	5.63	5.06	5.56	5.72	6.55	6.61	6.93	6.23
22	6.38	6.88	5.84	4.93	5.61	5.11	5.63	5.75	6.58	6.65	6.95	5.32
23	6.64	6.87	5.82	4.14	5.61	5.24	5.69	5.84	6.60	6.63	6.98	5.39
24	6.79	6.78	5.69	3.38	5.63	5.34	5.74	5.80	6.61	6.68	6.98	5.60
25	6.84	6.56	5.76	3.08	5.69	5.45	5.73	5.91	6.59	6.58	7.01	5.70
26	6.87	6.53	5.77	3.52	5.74	5.34	5.80	5.99	6.47	6.53	6.94	5.29
27	6.91	6.55	5.79	3.87	5.83	5.07	5.80	5.94	6.40	6.62	6.56	4.81
28	6.94	6.47	5.88	4.09	5.87	5.06	5.89	5.94	6.36	6.67	6.54	4.77
29	6.96	6.48	5.87	4.28	---	5.11	5.83	5.92	6.49	6.69	6.65	5.05
30	6.82	6.58	5.92	4.43	---	4.88	5.89	6.02	6.51	6.70	6.67	5.23
31	6.88	---	5.93	4.54	---	4.41	---	6.02	---	6.70	6.67	---

WTR YR 2002 MEAN 6.06 HIGH 3.08 LOW 7.14

