BUNCOMBE COUNTY—Continued

352854082380501. County number, BU-071; DENR Bent Creek Research Station MW-2S (Regolith well).

LOCATION.—Lat 35°28'54", long 82°38'06", Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.1 mi west of Brevard Road in Bent Creek Research Forest. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

WATER-LEVEL RECORDS

AQUIFER .-- Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 20 ft, sand filter packed from 3 to 20 ft.

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

DATUM.--Land-surface datum is 2,190.69 ft above NGVD of 1929. Measuring point: Top of instrument shelter floor, 2.98 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year. Continuous record began July 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.00 ft below land-surface datum, Sept. 17, 2004; lowest water level recorded, 7.43 ft below land-surface datum, Aug. 28, 29, 2004.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY OCT NOV DEC JAN FEB MAR APR MAY JUN JUL	AUG SEP
1	6.94 7.13
2	6.96 6.71
3	6.91 6.81
4	6.99 6.99
5	7.01 7.09
6	7.04 7.13
7	7.09 6.24
8	7.12 5.02
9	7.14 5.67
10	7.15 6.10
11	7.04 6.38
12	6.81 6.57
13	6.86 6.68
14	6.97 6.77
15	7.03 6.85
16	7.08 6.70
17	7.11 4.49
18	7.14 4.95
19	7.16 5.43
20	7.25 5.73
21	7.29 5.92
22	7.28 6.07
23	7.30 6.17
24	7.32 6.26
25	7.34 6.32
26	7.37 6.38
27	7.38 6.31
28	7.40 5.02
29	7.34 5.28
30 6.81	
31 6.85	

WTR YR 2004 MEAN 6.66 HIGH 4.49 LOW 7.40

GROUND-WATER LEVELS

BUNCOMBE COUNTY—Continued

352854082380501. County number, BU-071; DENR Bent Creek Research Station MW-2S (Regolith well).

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	5.71		5.72	6.25	6.44	5.79	5.97	6.45	6.89	5.57	5.57	6.06
2	5.84	6.54	5.79	6.29	6.47	5.98	5.77	6.52	6.18	5.82	5.82	6.24
3	5.93	6.41	5.96	6.31	6.39	6.13	5.76	6.57	6.28	5.99	5.99	6.36
4	6.02	5.17	6.08	6.34	6.38	6.24	5.95	6.62	6.46	6.06	6.10	6.45
5	6.10	5.35	6.17	6.35	6.44	6.32	6.09	6.64	6.63	6.05	6.18	6.52
6	6.15	5.71	6.23	6.37	6.48	6.41	6.18	6.65	6.74	6.19	6.24	6.57
7	6.19	5.95	6.26	6.40	6.50	6.44	6.23	6.68	6.81	5.14	6.13	6.61
8	6.21	6.15	6.33	6.42	6.52	6.36	6.08	6.72	6.68	4.99	5.50	6.65
9	6.25	6.28	5.95	6.44	6.52	6.40	6.12	6.74	6.73	5.44	5.65	6.69
10	6.29	6.37	5.55	6.45	6.55	6.47	6.25	6.69	6.83	5.72	5.79	6.73
11	6.33	6.41	5.74	6.47	6.58	6.52	6.32	6.57	6.67	5.67	5.99	6.77
12	6.35	5.86	5.92	6.48	6.60	6.56	6.28	6.68	5.90	5.26	6.13	6.79
13	6.32	5.73	6.04	6.38	6.62	6.61	5.83	6.74	5.07	5.37	6.23	6.80
14	6.37	5.96	6.16	5.30	6.60	6.64	5.48	6.74	5.58	5.41	6.31	6.83
15	6.42	6.12	6.24	5.54	6.59	6.67	5.68	6.71	6.02	5.67	6.37	6.86
13	0.42	0.12	0.24	3.34	0.57	0.07	3.00	0.71	0.02	3.07	0.57	0.00
16	6.48	6.23	6.29	5.76	6.60	6.64	5.90	6.73	6.32	5.79	6.41	6.84
17	6.53	6.32	6.32	5.96	6.64	6.49	6.05	6.79	6.52	5.95	6.44	6.84
18	6.55	6.39	6.35	6.09	6.66	6.50	6.17	6.82	6.62	6.07	6.35	6.88
19	6.53	6.45	6.38	6.15	6.69	6.57	6.26	6.84	6.40	5.97	6.22	6.91
20	6.54	6.50	6.44	6.21	6.66	6.63	6.34	6.23	5.76	5.43	6.30	6.92
21	6.58	6.56	6.47	6.27	6.15	6.67	6.40	6.24	5.91	5.31	6.35	6.94
22	6.62	6.58	6.46	6.30	5.86	6.63	6.32	6.46	6.18	5.63	6.40	6.96
23	6.62	6.50	5.25	6.37	6.05	5.84	6.06	6.58	6.42	5.87	6.31	6.98
24	6.62	5.58	5.34	6.40	6.09	5.89	6.08	6.68	6.59	6.04	6.42	7.00
25	6.66	5.22	5.59	6.41	6.20	6.10	6.24	6.75	6.71	6.15	6.51	7.01
26	6.69	5.59	5.78	6.43	6.31	6.26	6.34	6.81	6.73	6.24	6.56	6.97
27	6.71	5.79	5.95	6.48	6.37	6.25	6.40	6.86	5.74	6.17	6.59	6.96
28	6.71	5.77	6.04	6.50	5.95	4.84	6.46	6.88	5.31	5.42	6.62	7.00
29	6.31	5.96	6.10	6.49		5.24	6.48	6.91		5.19	6.63	7.00
30	6.42	6.08	6.16	6.45		5.59	6.43	6.93	5.18	5.20	5.79	7.03
31	6.55		6.21	6.42		5.84		6.97		5.46		
J.	0.55		0.21	0.12		5.01		0.77		5.10		

WTR YR 2005 MEAN 6.26 HIGH 4.84 LOW 7.03

