MECKLENBURG COUNTY

351730080524203. Local number, NC-146; County number, ME-301.

LOCATION.--Lat 35°19'07", long 80°52'32", Hydrologic Unit 03050101, 6 mi south of Huntersville in Hornets Nest Park. Owner: U.S. Geological Survey.

AQUIFER.--Unconfined saprolite derived from metamorphosed quartz diorite.

WELL CHARACTERISTICS.--Drilled observation well, depth 17.1 ft, diameter 4 in., cased to 12.1 ft, screened interval from 12.1 to 17.1 ft, sand filter packed from 12.1 to 17.1 ft.

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

DATUM.--Land-surface datum is 730 ft above NGVD of 1929 (from topographic map). Measuring point: Top of casing, 1.90 ft above land-surface datum.

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

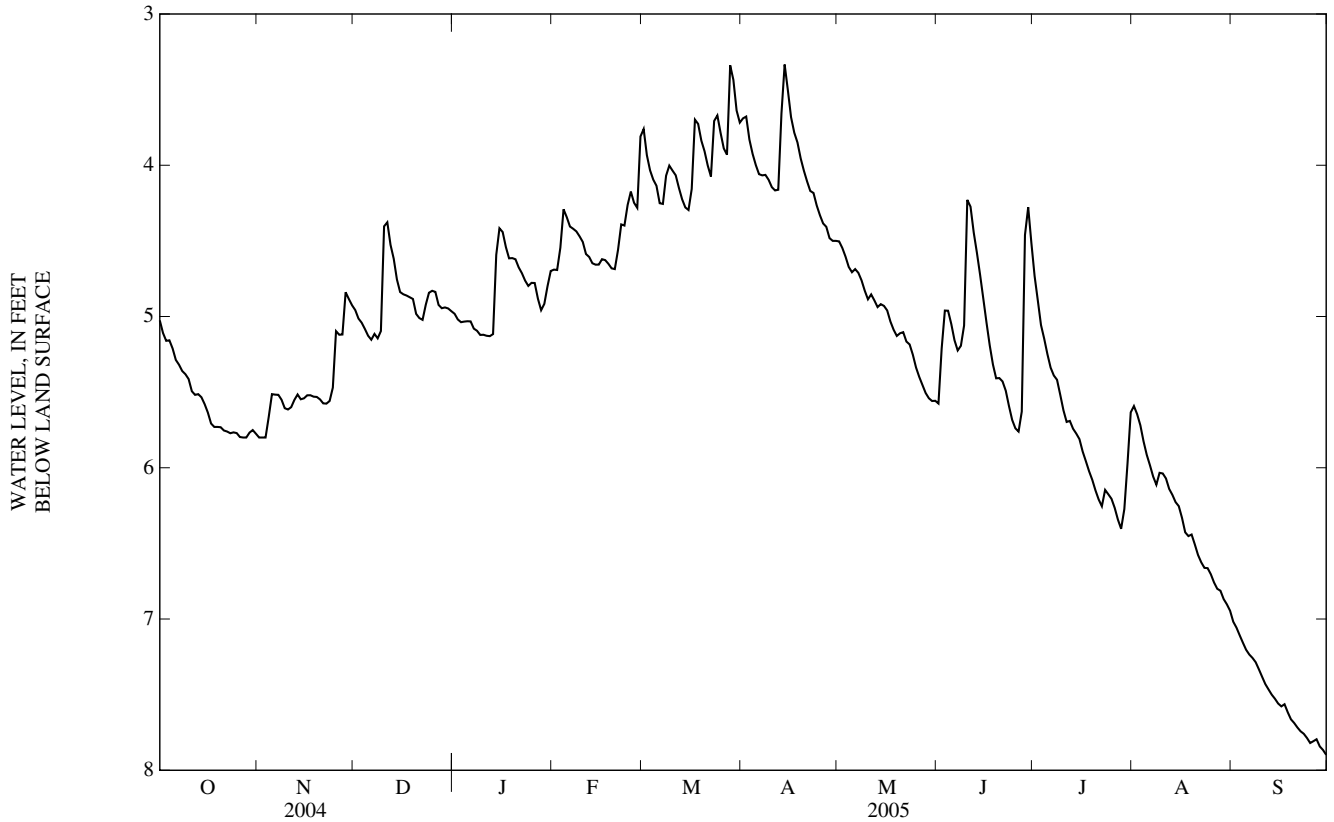
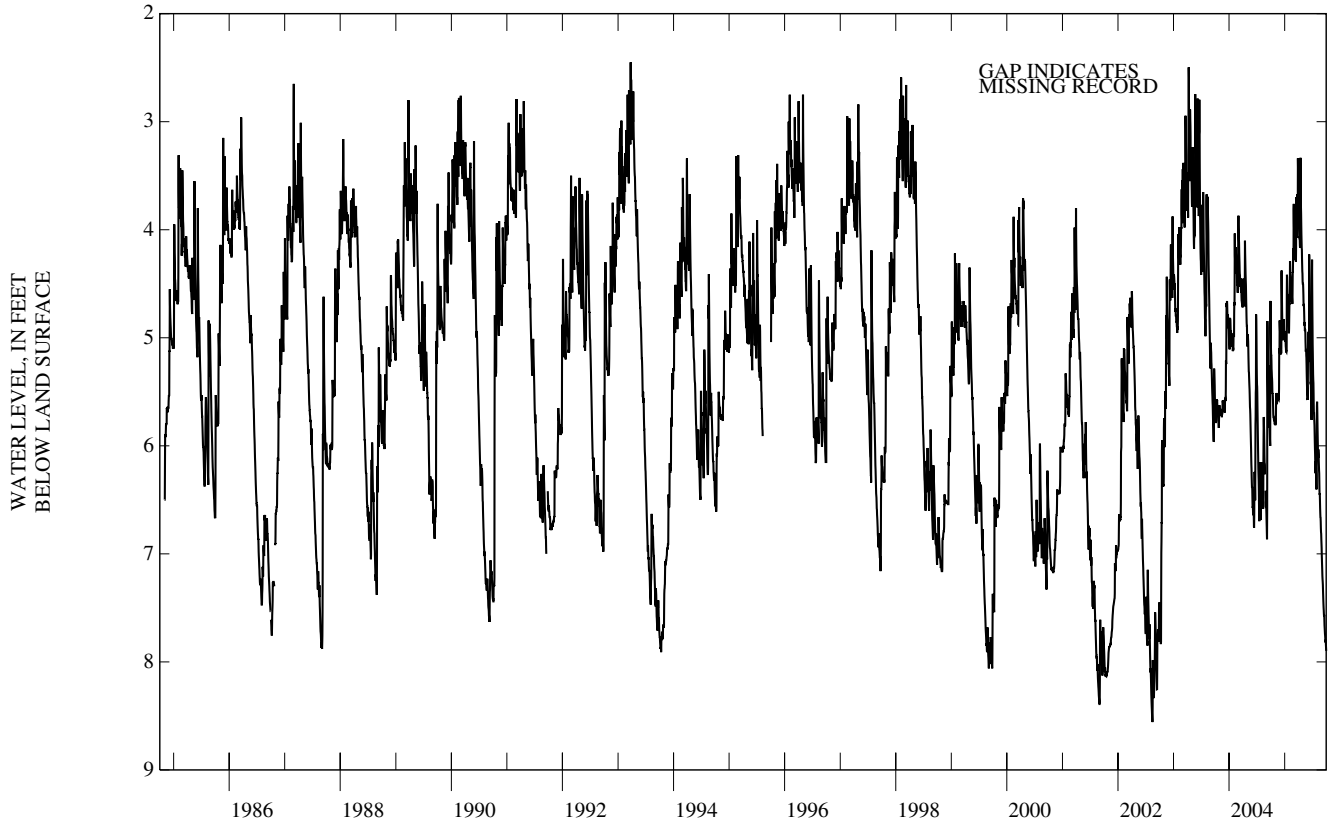
PERIOD OF RECORD.--November 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.28 ft below land-surface datum, Mar. 24, 1993, Apr. 10, 2003; lowest water level recorded, 8.57 ft below land-surface datum, Aug. 14, 15, 2002.

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	5.03	5.80	4.96	4.98	4.69	3.76	3.69	4.50	5.58	4.73	5.59	7.02
2	5.11	5.80	5.01	5.02	4.69	3.93	3.68	4.55	5.21	4.89	5.65	7.06
3	5.16	5.80	5.04	5.04	4.55	4.03	3.83	4.60	4.96	5.06	5.72	7.11
4	5.16	5.66	5.08	5.03	4.29	4.10	3.93	4.67	4.96	5.15	5.83	7.16
5	5.21	5.51	5.13	5.03	4.34	4.14	4.00	4.71	5.05	5.25	5.91	7.20
6	5.29	5.52	5.15	5.03	4.41	4.25	4.06	4.69	5.16	5.34	5.98	7.23
7	5.32	5.52	5.12	5.08	4.42	4.26	4.07	4.71	5.22	5.39	6.06	7.26
8	5.36	5.55	5.14	5.09	4.44	4.07	4.06	4.76	5.19	5.42	6.11	7.29
9	5.38	5.61	5.10	5.12	4.47	4.00	4.10	4.83	5.06	5.52	6.03	7.33
10	5.41	5.61	4.40	5.12	4.51	4.04	4.14	4.89	4.23	5.62	6.04	7.38
11	5.49	5.60	4.38	5.13	4.59	4.07	4.17	4.85	4.27	5.70	6.07	7.43
12	5.52	5.55	4.53	5.13	4.61	4.15	4.16	4.89	4.44	5.69	6.14	7.47
13	5.51	5.52	4.62	5.12	4.65	4.22	3.66	4.94	4.58	5.74	6.18	7.50
14	5.53	5.55	4.75	4.59	4.66	4.28	3.33	4.92	4.73	5.77	6.23	7.53
15	5.58	5.54	4.84	4.42	4.66	4.30	3.50	4.93	4.88	5.81	6.25	7.56
16	5.63	5.52	4.85	4.44	4.62	4.16	3.68	4.96	5.04	5.89	6.33	7.58
17	5.71	5.52	4.86	4.54	4.63	3.70	3.78	5.03	5.19	5.96	6.43	7.56
18	5.73	5.53	4.87	4.62	4.65	3.73	3.85	5.09	5.32	6.02	6.45	7.62
19	5.73	5.53	4.88	4.61	4.68	3.84	3.95	5.13	5.41	6.08	6.44	7.66
20	5.73	5.55	4.98	4.62	4.69	3.91	4.04	5.11	5.41	6.15	6.51	7.69
21	5.75	5.57	5.01	4.67	4.56	4.00	4.11	5.10	5.43	6.21	6.58	7.72
22	5.76	5.58	5.02	4.71	4.39	4.07	4.17	5.17	5.49	6.25	6.63	7.74
23	5.77	5.56	4.92	4.76	4.40	3.71	4.18	5.18	5.59	6.15	6.66	7.76
24	5.77	5.47	4.84	4.80	4.26	3.67	4.27	5.25	5.68	6.18	6.66	7.79
25	5.77	5.10	4.83	4.78	4.17	3.79	4.33	5.34	5.74	6.21	6.70	7.82
26	5.80	5.12	4.84	4.78	4.25	3.89	4.38	5.40	5.76	6.27	6.76	7.81
27	5.80	5.12	4.92	4.88	4.28	3.93	4.41	5.45	5.63	6.34	6.80	7.79
28	5.80	4.84	4.95	4.96	3.81	3.34	4.48	5.51	4.46	6.40	6.81	7.84
29	5.77	4.88	4.94	4.92	---	3.44	4.50	5.54	4.28	6.27	6.87	7.87
30	5.75	4.93	4.95	4.80	---	3.64	4.50	5.56	4.51	5.97	6.90	7.90
31	5.78	---	4.96	4.70	---	3.72	---	5.56	---	5.63	6.95	---

WTR YR 2005 MEAN 5.25 HIGH 3.33 LOW 7.90

MECKLENBURG COUNTY—Continued

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