

AVERY COUNTY

360455081530101. Local number NC-220; DENR Linville Research Station well H78d8; County number, AV-074.

LOCATION.--Lat 36°04'55", long 81°53'02", Hydrologic Unit 03050101, near Linville. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Phyllite.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 300 ft, diameter 6 in., cased to 10 ft.

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

DATUM.--Land-surface datum is 3,919.00 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 1.00 ft above land-surface datum.

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

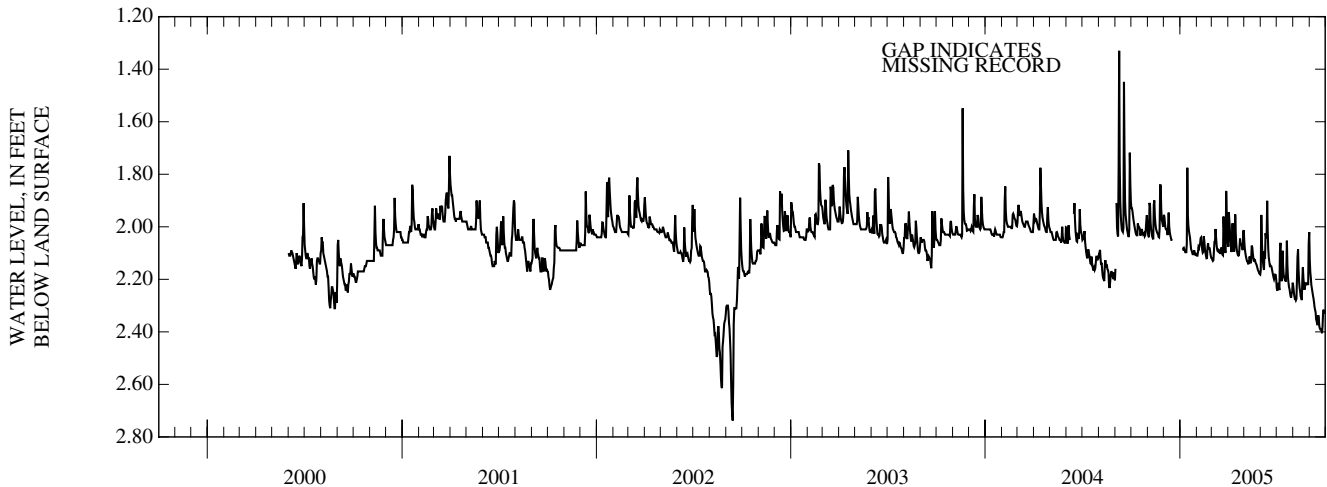
PERIOD OF RECORD.--June 2000 to current year. Records from March 1972 to March 2000 are unpublished and available in the files of the Division of Water Quality, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.16 ft below land-surface datum, Sept. 8, 2004; lowest water level recorded, 2.74 ft below land-surface datum, Sept. 13, 14, 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	1.93	2.02	1.95	---	2.11	2.12	2.08	2.06	2.16	2.23	2.23	2.13
2	1.93	2.04	1.96	---	2.11	2.13	1.94	2.08	1.95	2.24	2.25	2.17
3	1.94	2.04	1.99	---	2.10	2.13	1.98	2.10	2.05	2.23	2.26	2.19
4	1.96	1.91	2.01	---	2.08	2.13	2.01	2.11	2.10	2.21	2.27	2.22
5	1.97	1.92	2.01	2.08	2.08	2.09	2.05	2.12	2.13	2.23	2.27	2.23
6	1.99	1.98	2.01	2.08	2.07	2.06	2.08	2.13	2.15	2.24	2.28	2.25
7	2.00	2.01	2.01	2.09	2.06	2.06	2.10	2.13	2.16	2.09	2.27	2.26
8	2.01	2.02	2.03	2.08	2.04	2.01	2.04	2.14	2.09	2.06	2.20	2.27
9	2.02	2.04	1.99	2.09	2.04	2.04	1.99	2.14	2.12	2.17	2.11	2.29
10	2.03	2.04	1.95	2.10	2.07	2.07	2.04	2.14	2.02	2.21	2.09	2.31
11	2.03	2.05	2.00	2.09	2.09	2.09	2.07	2.11	2.04	2.19	2.17	2.32
12	2.04	1.92	2.02	2.10	2.10	2.09	2.09	2.13	2.04	2.09	2.21	2.33
13	1.99	1.90	2.03	2.07	2.10	2.09	2.07	2.14	1.90	2.15	2.23	2.35
14	2.00	1.96	2.04	1.78	2.04	2.09	1.95	2.12	2.01	2.18	2.25	2.36
15	2.00	1.99	2.05	1.95	2.06	2.09	2.02	2.07	2.08	2.19	2.27	2.37
16	2.00	2.00	2.05	2.00	2.08	2.10	2.07	2.08	2.12	2.20	2.27	2.37
17	2.01	2.01	2.05	2.01	2.10	2.10	2.09	2.10	2.13	2.20	2.28	2.34
18	2.03	2.02	---	2.03	2.11	2.10	2.10	2.12	2.15	2.21	2.21	2.35
19	2.02	2.03	---	2.04	2.12	2.08	2.11	2.13	2.15	2.17	2.15	2.38
20	2.01	2.03	---	2.06	2.12	2.09	2.11	2.12	2.15	2.05	2.19	2.39
21	2.01	2.04	---	2.08	2.08	2.11	2.11	2.13	2.15	2.15	2.22	2.39
22	2.02	2.04	---	2.09	2.06	2.11	2.08	2.14	2.16	2.19	2.24	2.39
23	2.03	2.00	---	2.10	2.09	1.96	2.04	2.14	2.17	2.21	2.23	2.39
24	2.03	1.84	---	2.10	2.08	2.02	2.06	2.14	2.18	2.23	2.22	2.41
25	2.02	1.84	---	2.10	2.08	2.07	2.07	2.15	2.19	2.24	2.22	2.38
26	2.04	1.93	---	2.10	2.10	2.10	2.07	2.16	2.20	2.25	2.22	2.33
27	2.03	1.97	---	2.09	2.11	2.10	2.08	2.17	2.19	2.26	2.21	2.32
28	2.01	1.98	---	2.10	2.12	1.86	2.09	2.17	2.18	2.27	2.22	2.33
29	1.98	1.99	---	2.11	---	1.96	2.02	2.18	2.18	2.25	2.22	2.32
30	1.96	2.00	---	2.10	---	2.03	2.01	2.18	2.20	2.25	2.06	2.32
31	2.00	---	---	2.11	---	2.06	---	2.18	---	2.21	2.02	---

WTR YR 2005 MEAN 2.11 HIGH 1.78 LOW 2.41



GROUND-WATER LEVELS

BEAUFORT COUNTY

352548077012701. County number, BO-413; LU-14.

LOCATION.--Lat 35°25'48", long 77°01'27", Hydrologic Unit 03020104, 2.2 mi southeast of intersection of Secondary Road 1181 and North Carolina State Highway 33, .4 mi north on farm road, near Rover.

WATER-LEVEL RECORDS

AQUIFER.--Yorktown.

WELL CHARACTERISTICS.--Drilled observation well, depth 27 ft, diameter 2 in., screened interval from 24 to 27 ft.

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

DATUM.--Land-surface datum is 33 ft above NGVD of 1929. Measuring point: Top of casing, 0.8 ft above land-surface datum.

REMARKS.--Well is part of National Water Quality Assessment Program (NAWQA).

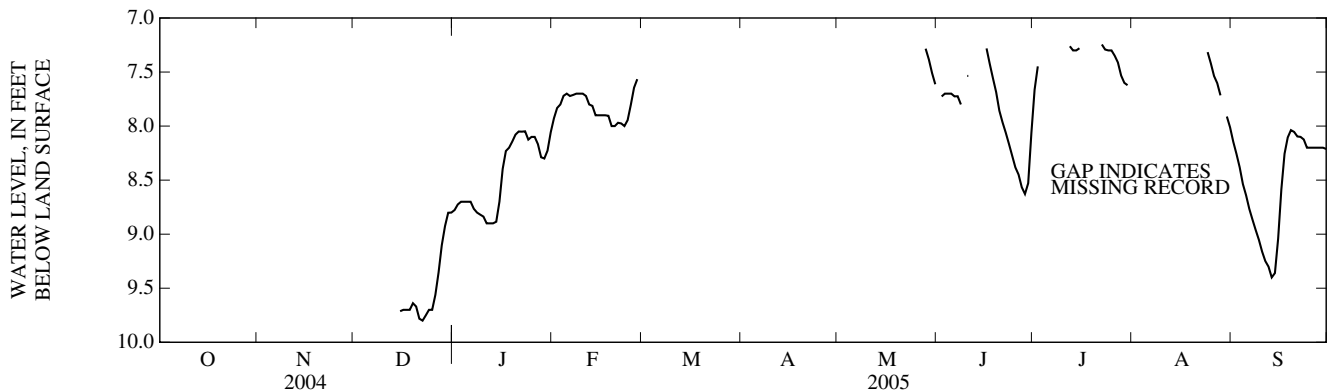
PERIOD OF RECORD.--December 2004 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.2 ft below land-surface datum, on several days during the period of record; lowest water level recorded, 10 ft below land-surface datum, Dec. 14, 2004.

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	---	---	---	8.8	7.9	---	---	---	---	7.7	---	8.1
2	---	---	---	8.7	7.8	---	---	---	7.7	7.4	---	8.3
3	---	---	---	8.7	7.8	---	---	---	7.7	---	---	8.4
4	---	---	---	8.7	7.7	---	---	---	7.7	---	---	8.5
5	---	---	---	8.7	7.7	---	---	---	7.7	---	---	8.6
6	---	---	---	8.7	7.7	---	---	---	7.7	---	---	8.8
7	---	---	---	8.8	7.7	---	---	---	7.7	---	---	8.9
8	---	---	---	8.8	7.7	---	---	---	7.8	---	---	9.0
9	---	---	---	8.8	7.7	---	---	---	---	---	---	9.1
10	---	---	---	8.8	7.7	---	---	---	7.5	---	---	9.2
11	---	---	---	8.9	7.7	---	---	---	---	---	---	9.2
12	---	---	---	8.9	7.8	---	---	---	---	7.3	---	9.3
13	---	---	---	8.9	7.8	---	---	---	---	7.3	---	9.4
14	---	---	---	8.9	7.9	---	---	---	---	7.3	---	9.4
15	---	---	9.7	8.7	7.9	---	---	---	---	7.3	---	9.0
16	---	---	9.7	8.4	7.9	---	---	---	7.3	---	---	8.6
17	---	---	9.7	8.2	7.9	---	---	---	7.4	---	---	8.3
18	---	---	9.7	8.2	7.9	---	---	---	7.6	---	---	8.1
19	---	---	9.6	8.1	8.0	---	---	---	7.7	---	---	8.0
20	---	---	9.7	8.1	8.0	---	---	---	7.9	---	---	8.1
21	---	---	9.8	8.1	8.0	---	---	---	8.0	---	---	8.1
22	---	---	9.8	8.1	8.0	---	---	---	8.1	7.2	---	8.1
23	---	---	9.8	8.0	8.0	---	---	---	8.2	7.3	---	8.1
24	---	---	9.7	8.1	7.9	---	---	---	8.3	7.3	7.3	8.2
25	---	---	9.7	8.1	7.8	---	---	---	8.4	7.3	7.4	8.2
26	---	---	9.6	8.1	7.6	---	---	---	8.4	7.3	7.5	8.2
27	---	---	9.4	8.2	7.6	---	---	---	8.6	7.4	7.6	8.2
28	---	---	9.1	8.3	---	---	---	7.3	8.6	7.5	7.7	8.2
29	---	---	8.9	8.3	---	---	---	7.4	8.5	7.6	---	8.2
30	---	---	8.8	8.2	---	---	---	7.5	8.1	7.6	7.9	8.2
31	---	---	8.8	8.1	---	---	---	7.6	---	---	8.0	---

WTR YR 2005 MEAN 8.2 HIGH 7.2 LOW 9.8



352548077012701. County number BO-413. LU-14.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1994, 2001, 2002, October 2004 to September 2005.

REMARKS.--Well is part of National Water Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	
Date		Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
Date		Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	2Chloro -2',6-' diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)
DEC 14...	1515		27.0	9.53	33.0	10.33	--	--	768	.1	1	6.9	248	16.2
MAR 02...	1130		27.0	7.26	33.0	8.06	.10	1.1	758	.1	1	7.0	258	16.0
JUN 01...	1030		27.0	7.67	33.0	8.47	.10	.8	762	.1	.0	7.0	254	16.4
JUN 09...	1100		27.0	7.77	33.0	8.57	.10	2.1	762	.3	3	7.1	268	18.0
AUG 29...	1130		27.0	7.78	33.0	8.58	.10	.4	758	.1	1	6.8	256	18.3
DEC 14...			39.1	1.31	.69	.3	7.54	104	127	<.20	10.6	.2	47.9	<.2
MAR 02...	110		41.2	1.35	.67	.3	7.78	100	122	.18	10.7	.2	48.2	<.2
JUN 01...	100		39.1	1.34	.64	.3	8.11	110	134	.18	10.5	.2	48.2	<.2
JUN 09...	--		--	--	--	--	--	--	--	--	--	--	--	--
AUG 29...	110		42.0	1.33	.67	.3	7.94	111	135	.35	10.2	.2	46.2	<.2
DEC 14...	192	E.04	<.06	.016	.13	.021	<.09	<.006	<.005	<.006	<.004	<.004	<.004	--
MAR 02...	174	.05	<.06	<.008	.14	<.006	<.09	<.006	<.005	<.006	<.004	<.004	<.004	--
JUN 01...	193	.06	<.06	.024	.15	<.006	--	--	--	--	--	--	--	--
JUN 09...	--	--	--	--	--	--	<.09	<.006	<.005	E.143	<.004	<.004	<.004	<.004
AUG 29...	199	.07	<.06	.021	.13	.009	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.004

352548077012701. County number BO-413. LU-14.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- Endo- sulfan, water, fltrd, ug/L (34362)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl oxon, water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)
DEC 14...	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006
MAR 02...	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006
AUG 29...	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006
Date	cis- Propi- cona- zole, water, fltrd, ug/L (79846)	Cyana- zine, water, fltrd, ug/L (04041)	Cyflu- thrin, water, fltrd, ug/L (61585)	lambda- Cyhalo- thrin, water, fltrd, ug/L (61595)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipronil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)
DEC 14...	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--
MAR 02...	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01
AUG 29...	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01
Date	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Desulf- inyl- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
DEC 14...	--	--	--	<.0020	<.004	--	<.049	--	<.03	<.029	<.013	<.024	<.016
MAR 02...	--	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016
AUG 29...	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016
Date	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)
DEC 14...	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
MAR 02...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
AUG 29...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006

352548077012701. County number BO-413. LU-14.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

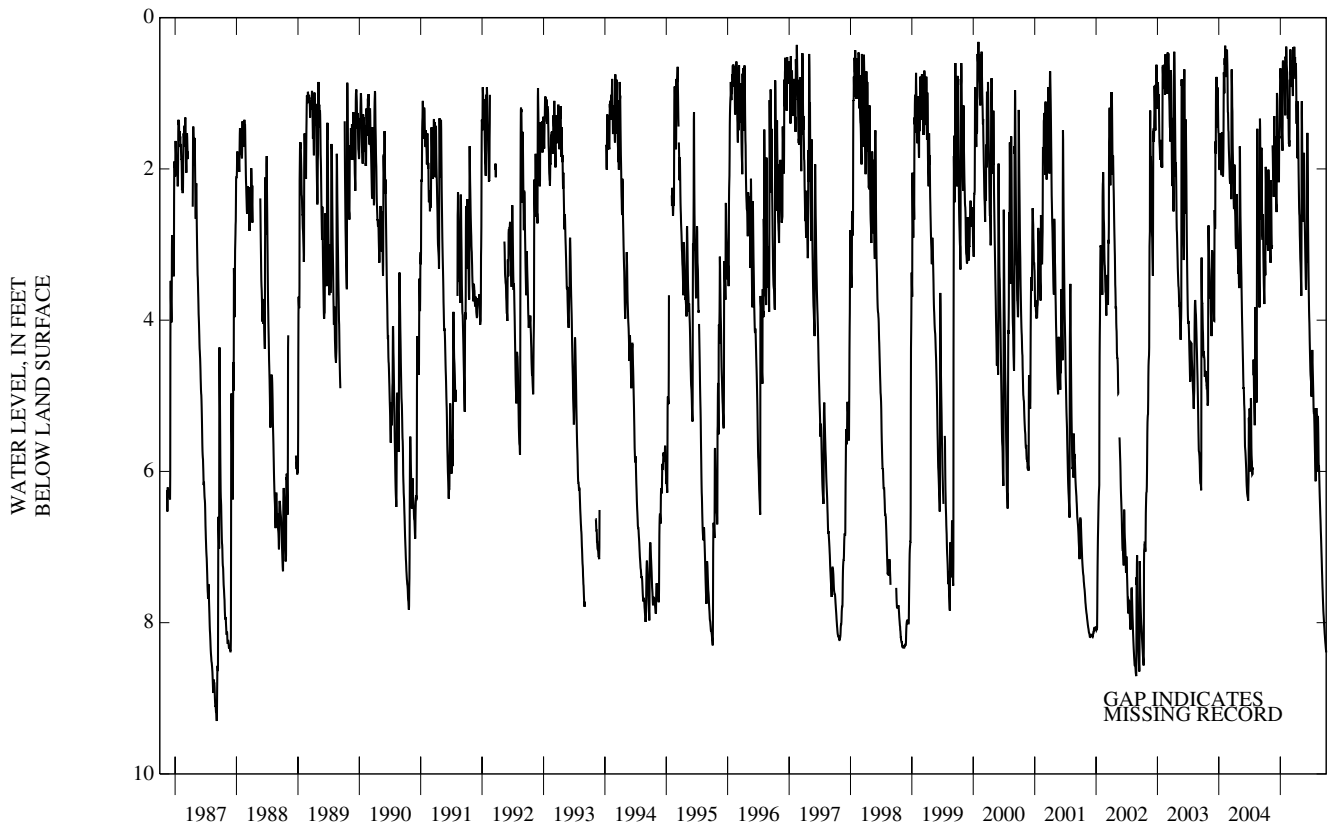
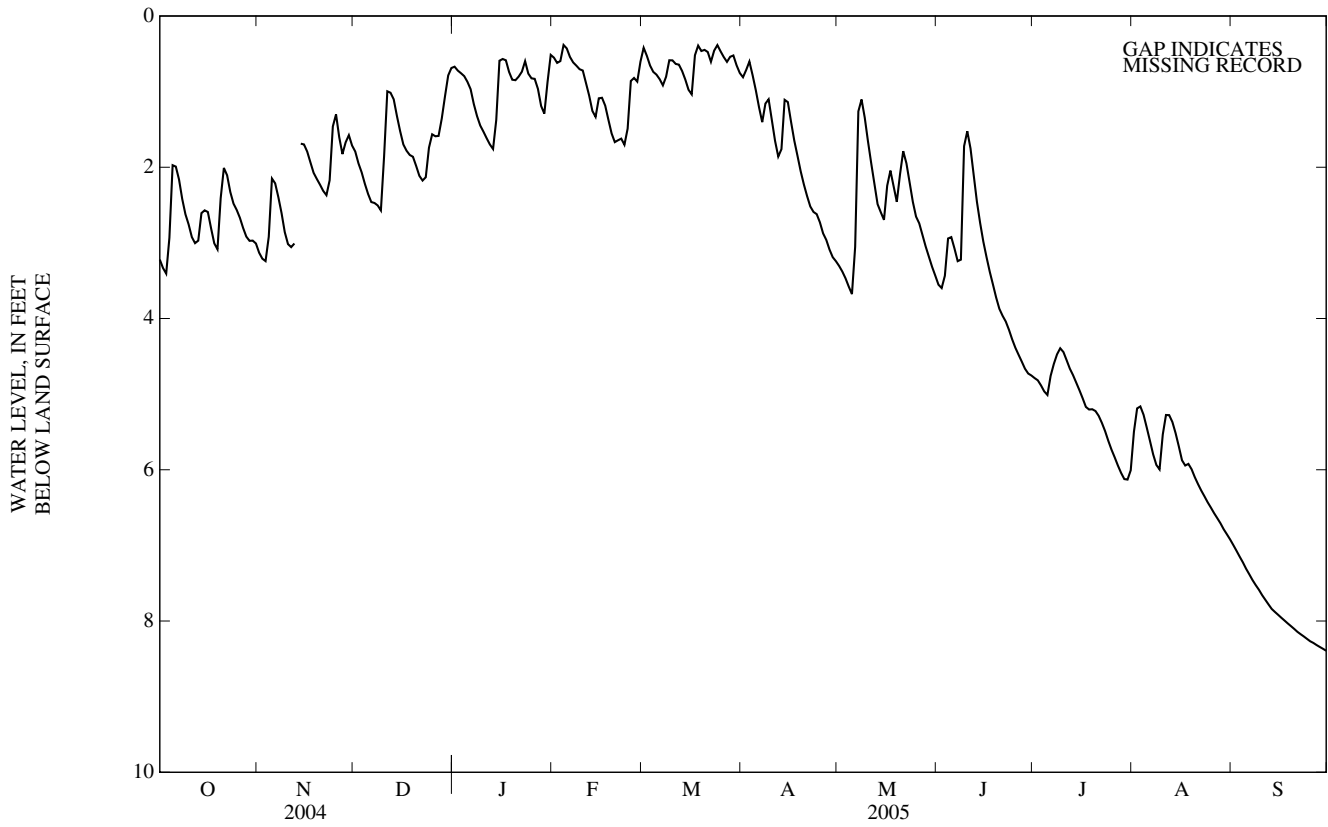
Date	Molinate, water, fltrd, 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd, 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, fltrd, 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd, 0.7u GF ug/L (82676)	Propanil, water, fltrd, 0.7u GF ug/L (82679)	Propargite, water, fltrd, 0.7u GF ug/L (82685)
DEC 14...	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--
MAR 02...	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02
AUG 29...	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02

Date	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd, 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water, fltrd, 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Tribuphos, water, fltrd, ug/L (61610)	Tri-fluralin, water, fltrd, 0.7u GF ug/L (82661)	Dichlorvos, water, fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)
DEC 14...	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	<.04
MAR 02...	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	--
JUN 01...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	--
AUG 29...	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	--

GROUND-WATER LEVELS

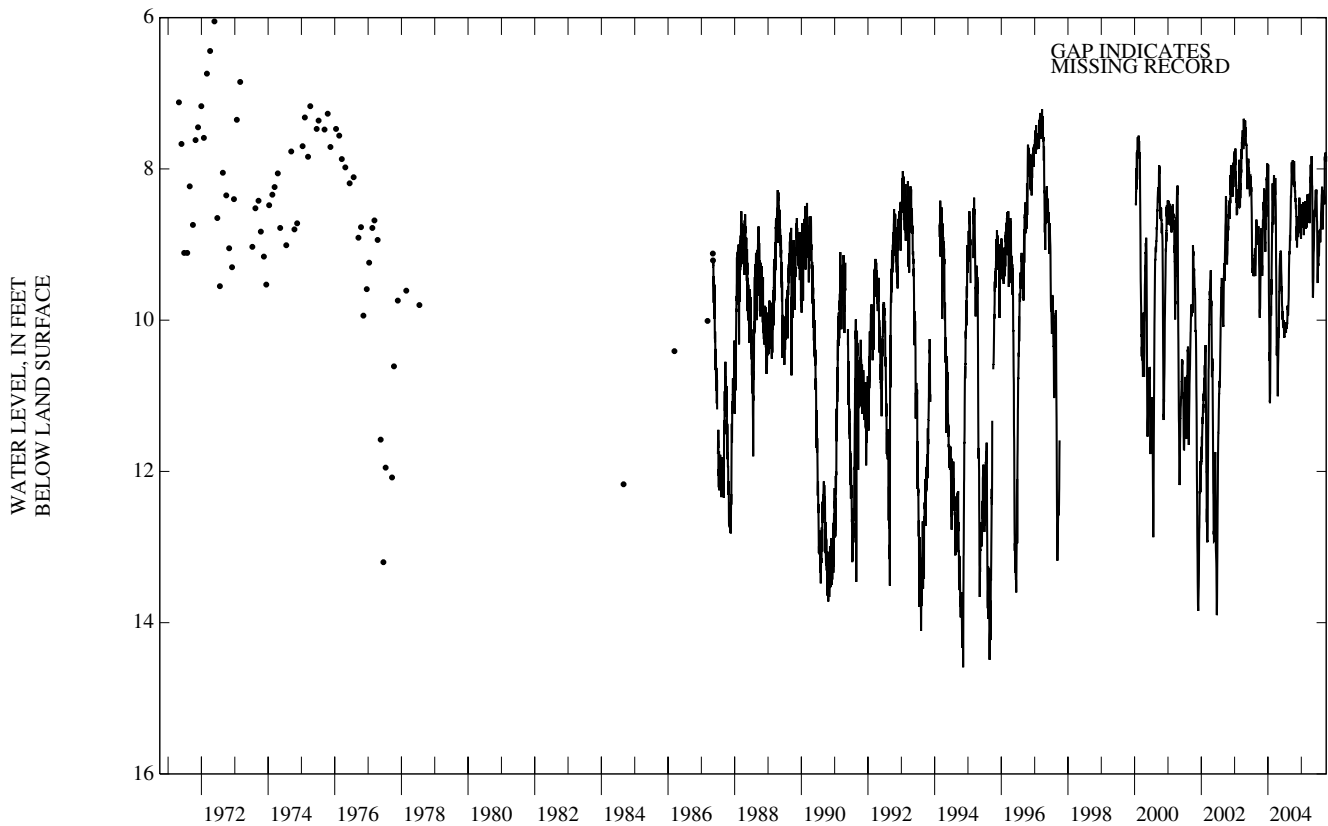
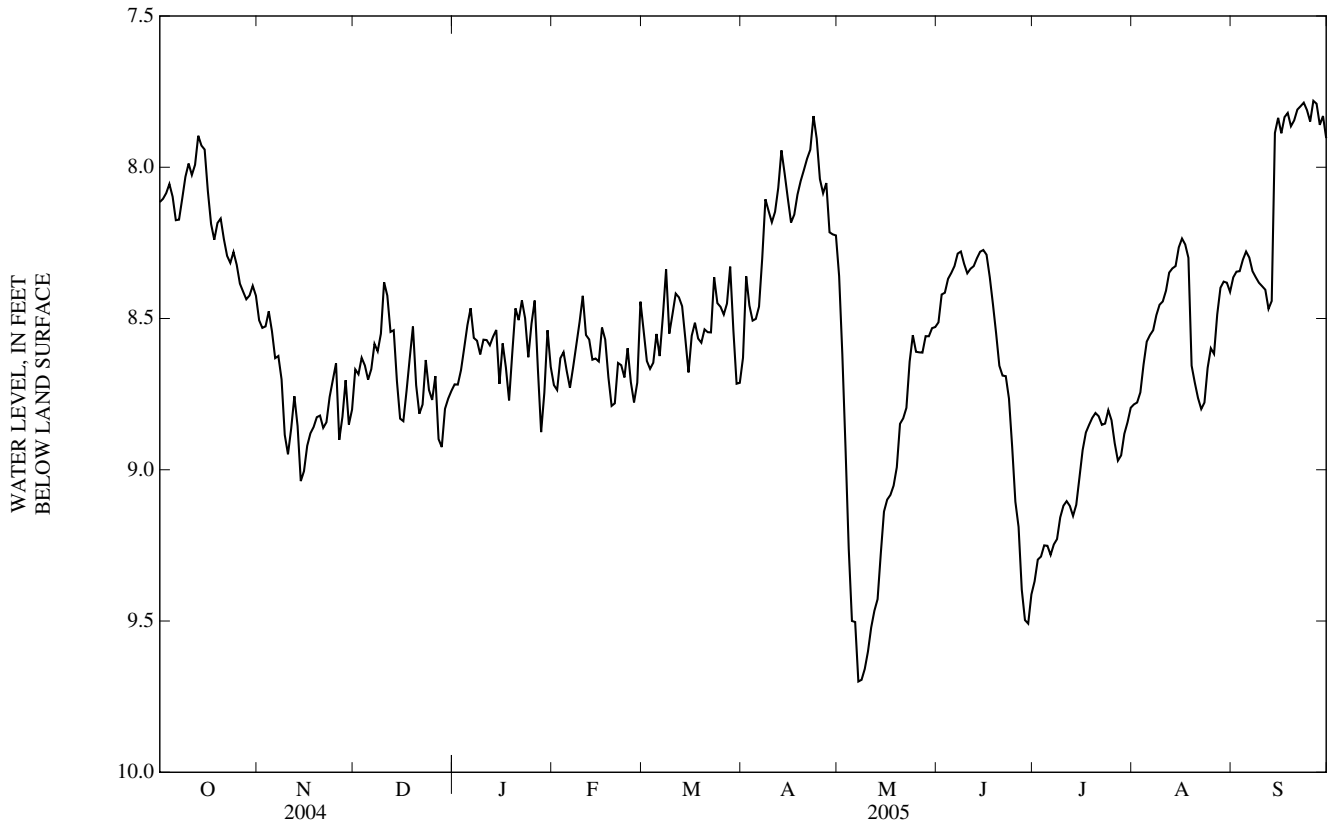
BERTIE COUNTY—Continued

361420077111407. Local number, NC-154; DENR Roxobel Research Station well F22b7; County number, BE-080.



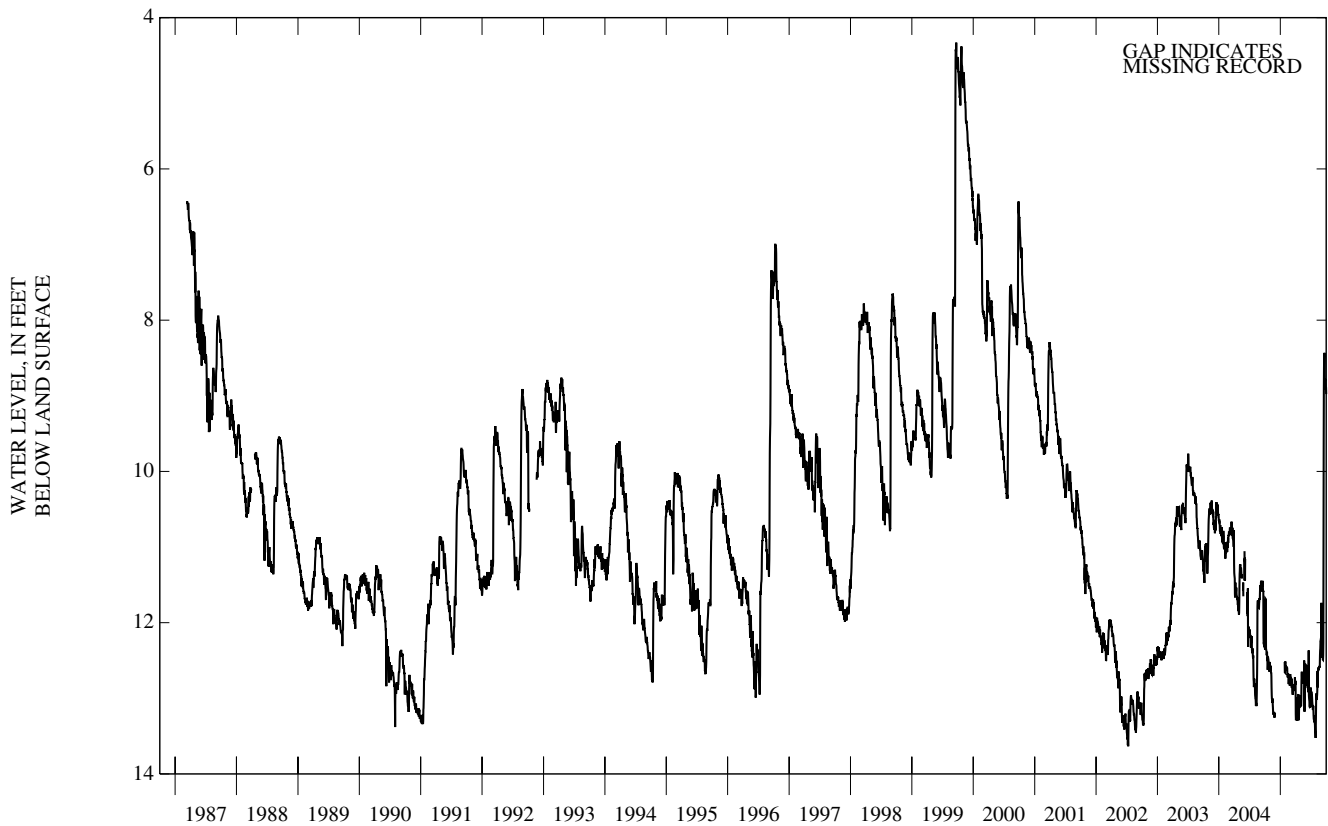
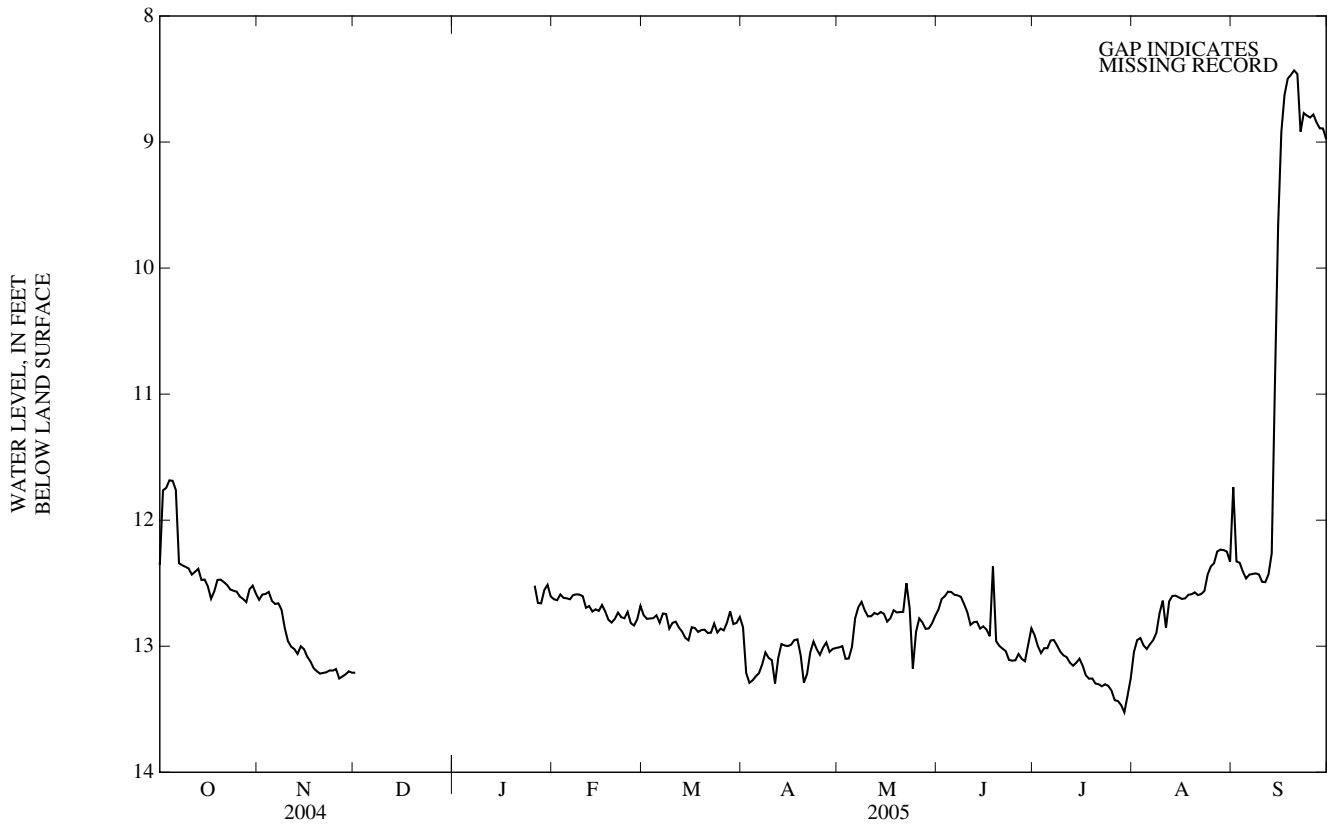
BRUNSWICK COUNTY—Continued

340416078084202. Local number, NC-180; DENR Bolivia Research Station well FF33d2; County number, BR-078.



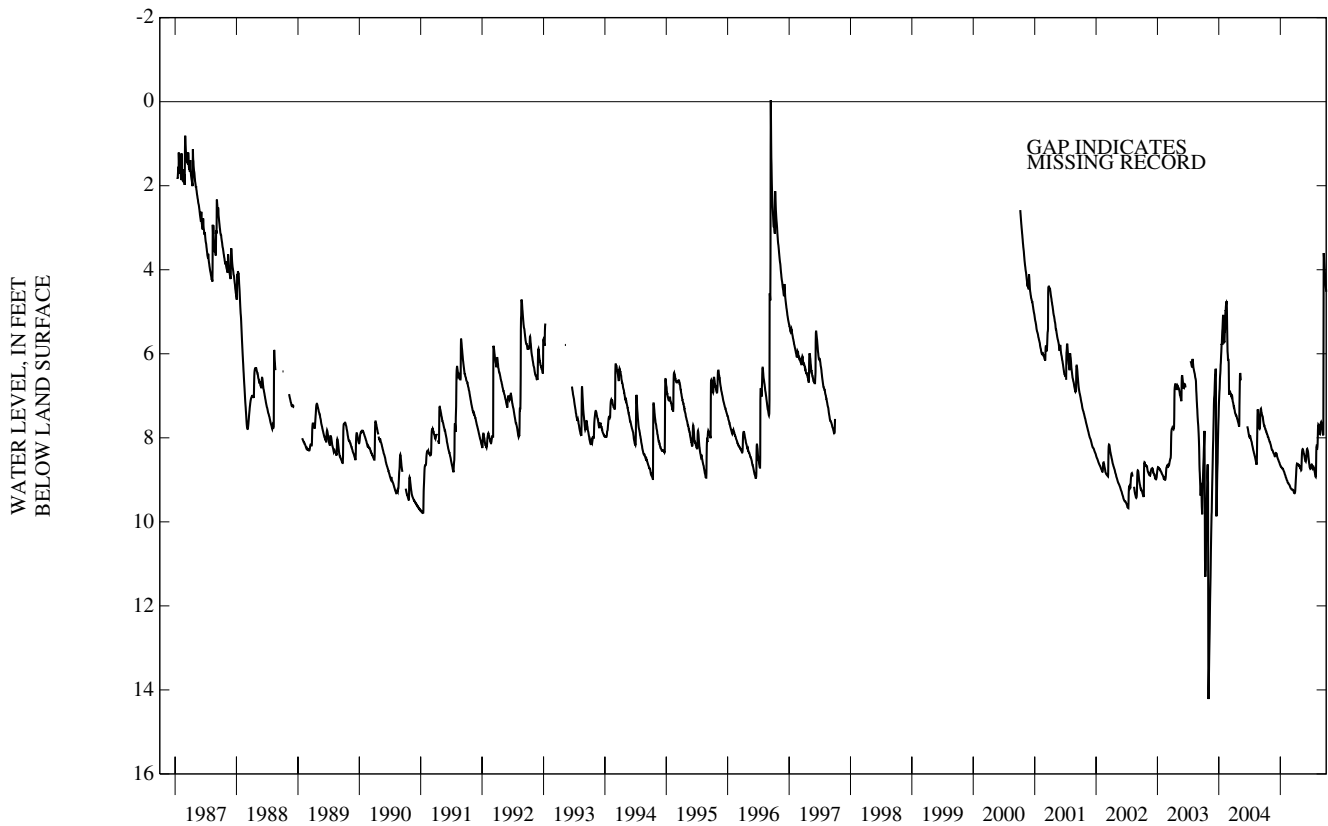
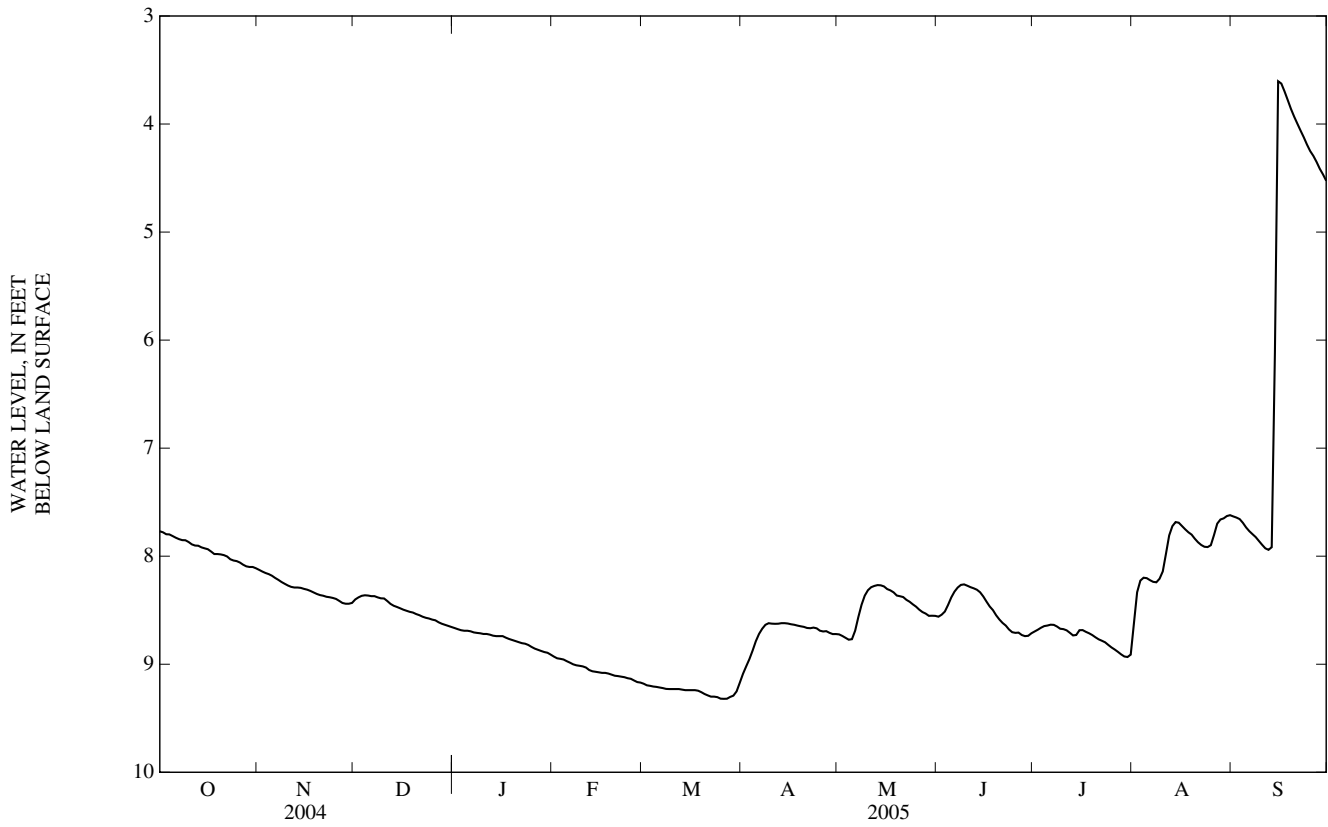
BRUNSWICK COUNTY—Continued

335629078115406. Local number, NC-181; DENR Sunset Harbor Research Station well GG34s6; County number, BR-079.



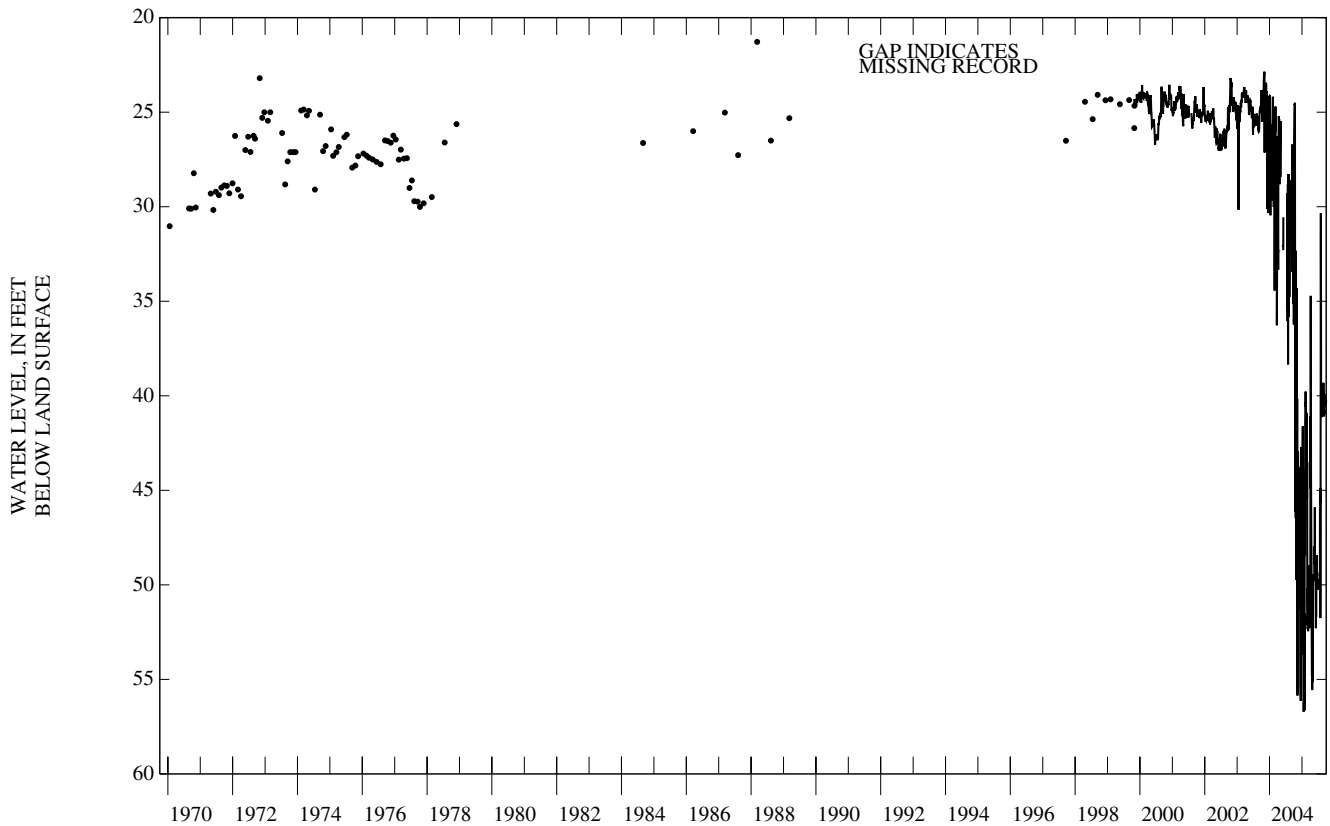
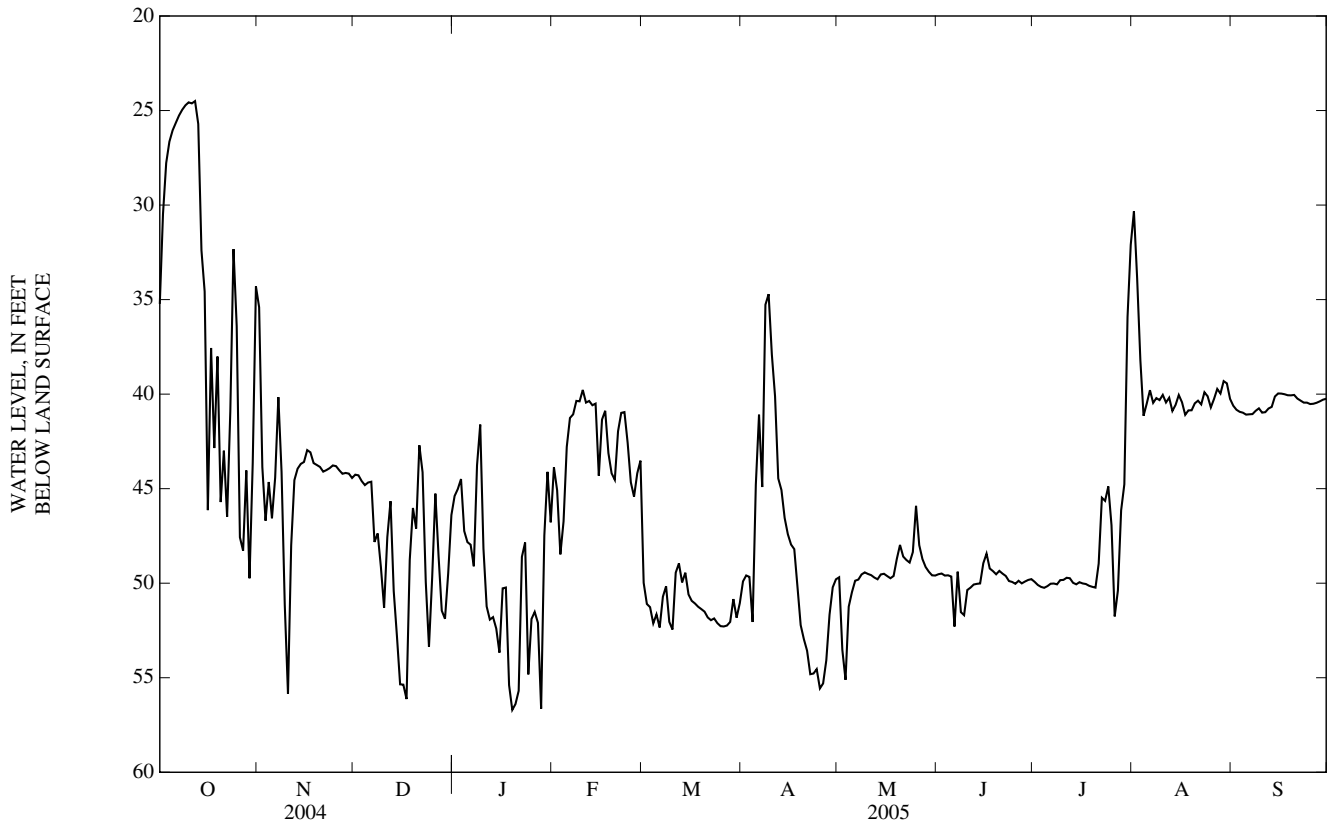
BRUNSWICK COUNTY—Continued

335629078115407. Local number, NC-182; DENR Sunset Harbor Research Station well GG34s7; County number, BR-080.



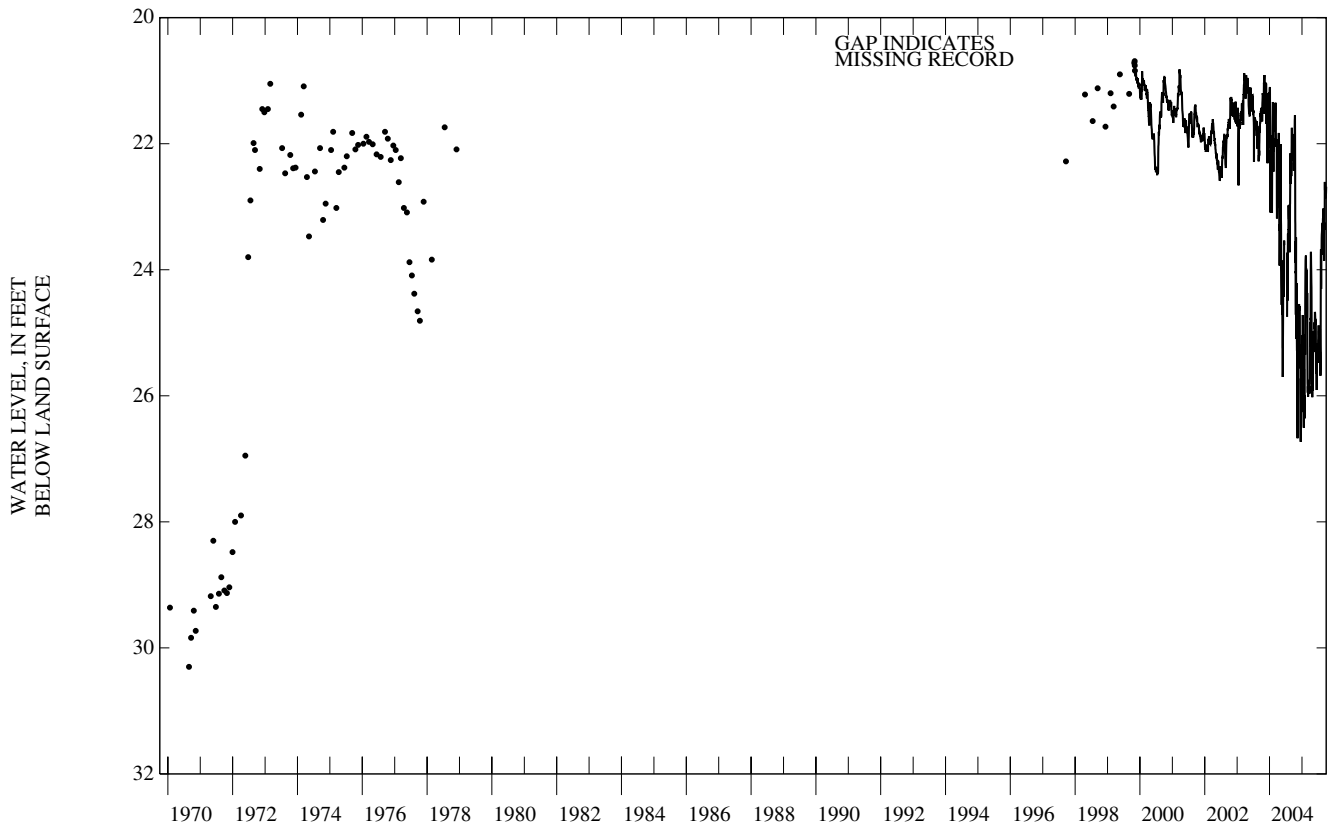
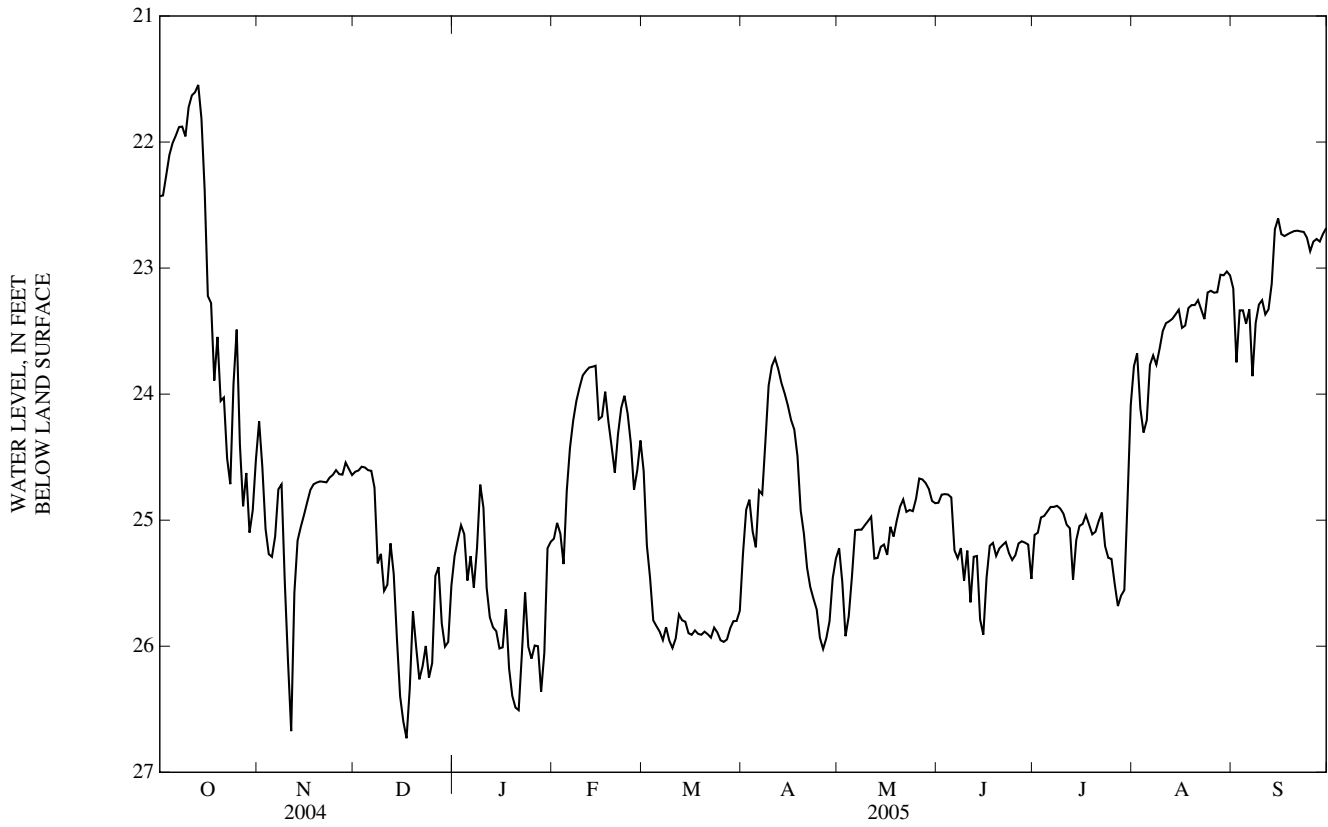
BRUNSWICK COUNTY—Continued

335631078003604. Local number, NC-197; DENR Southport Research Station well GG32t4; County number, BR-081.



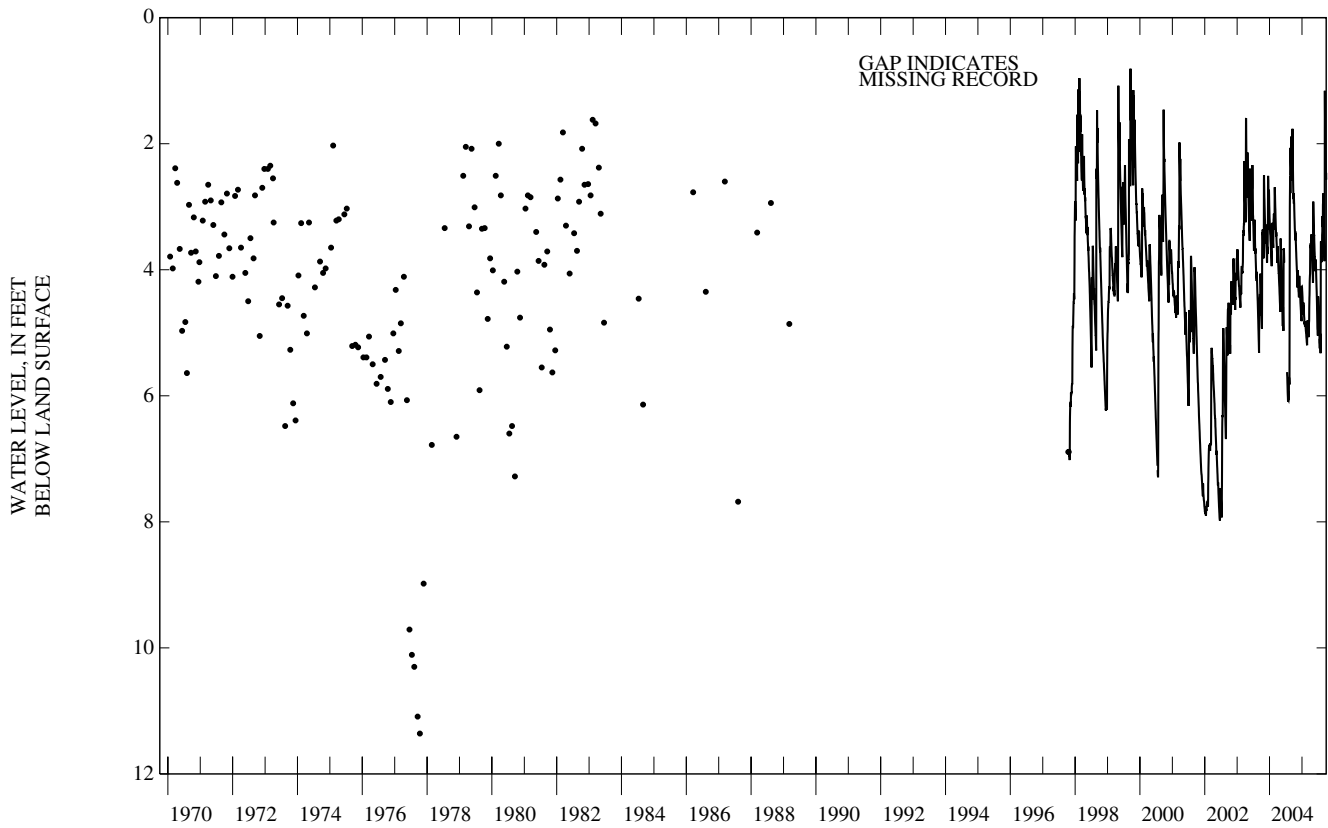
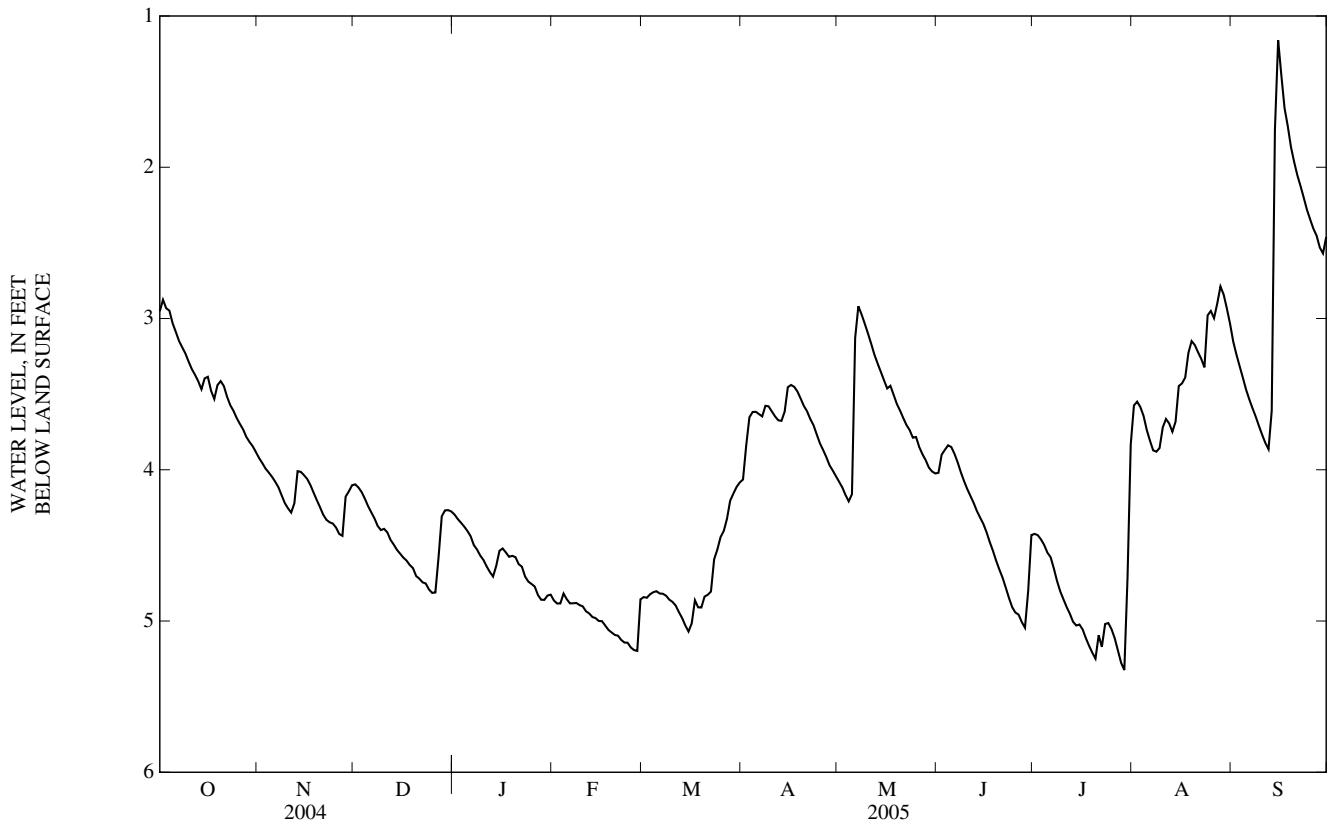
BRUNSWICK COUNTY—Continued

335631078003605. Local number, NC-198; DENR Southport Research Station well GG32t5; County number, BR-082.



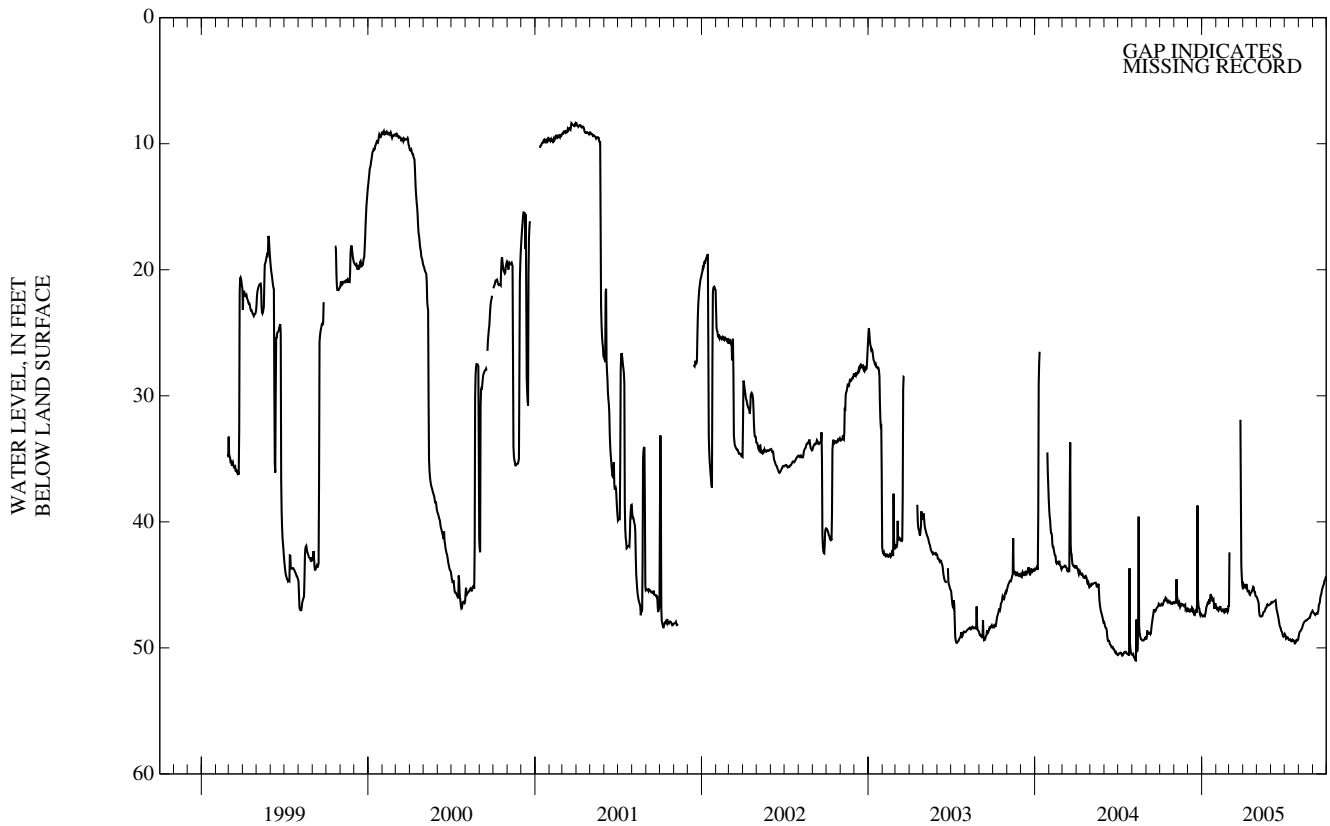
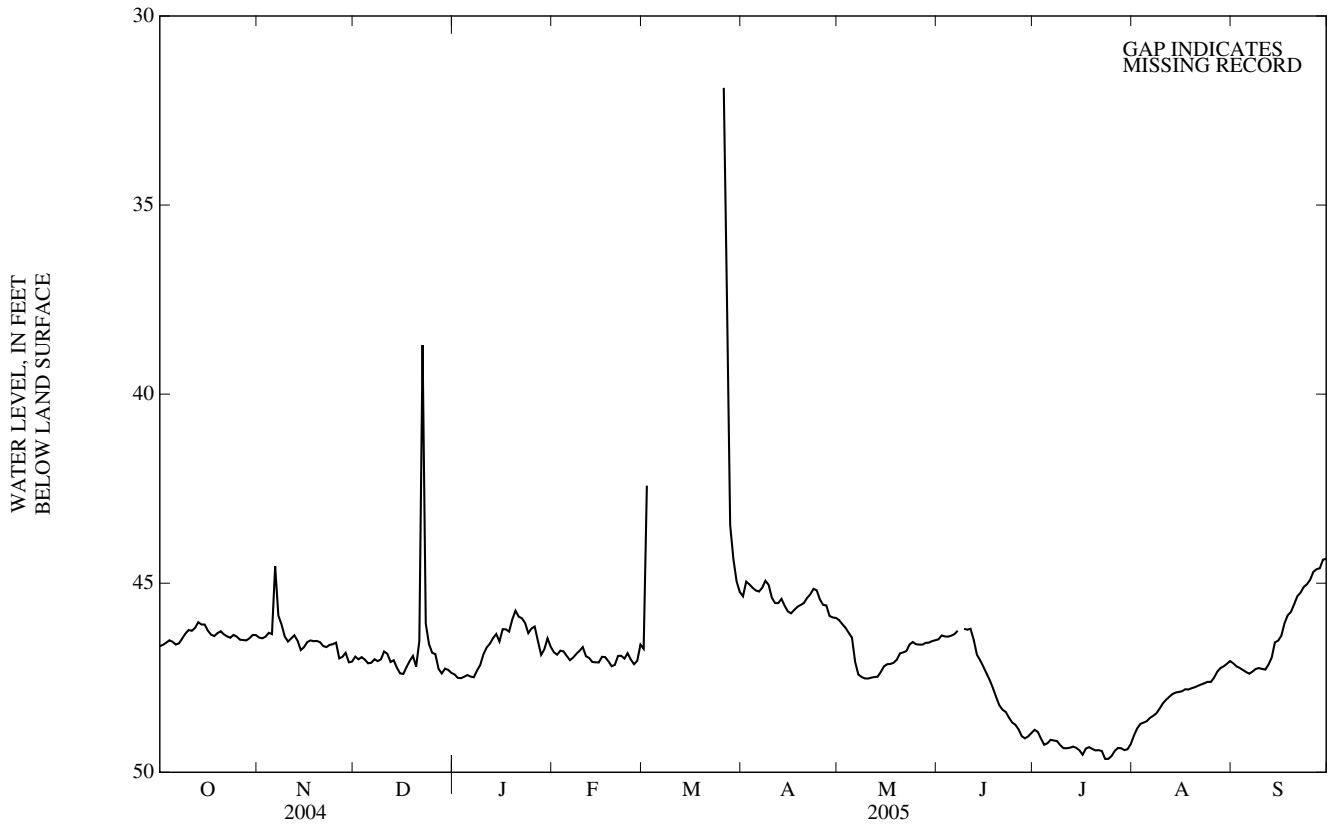
BRUNSWICK COUNTY—Continued

335631078003606. Local number, NC-199; DENR Southport Research Station well GG32t6; County number, BR-083.



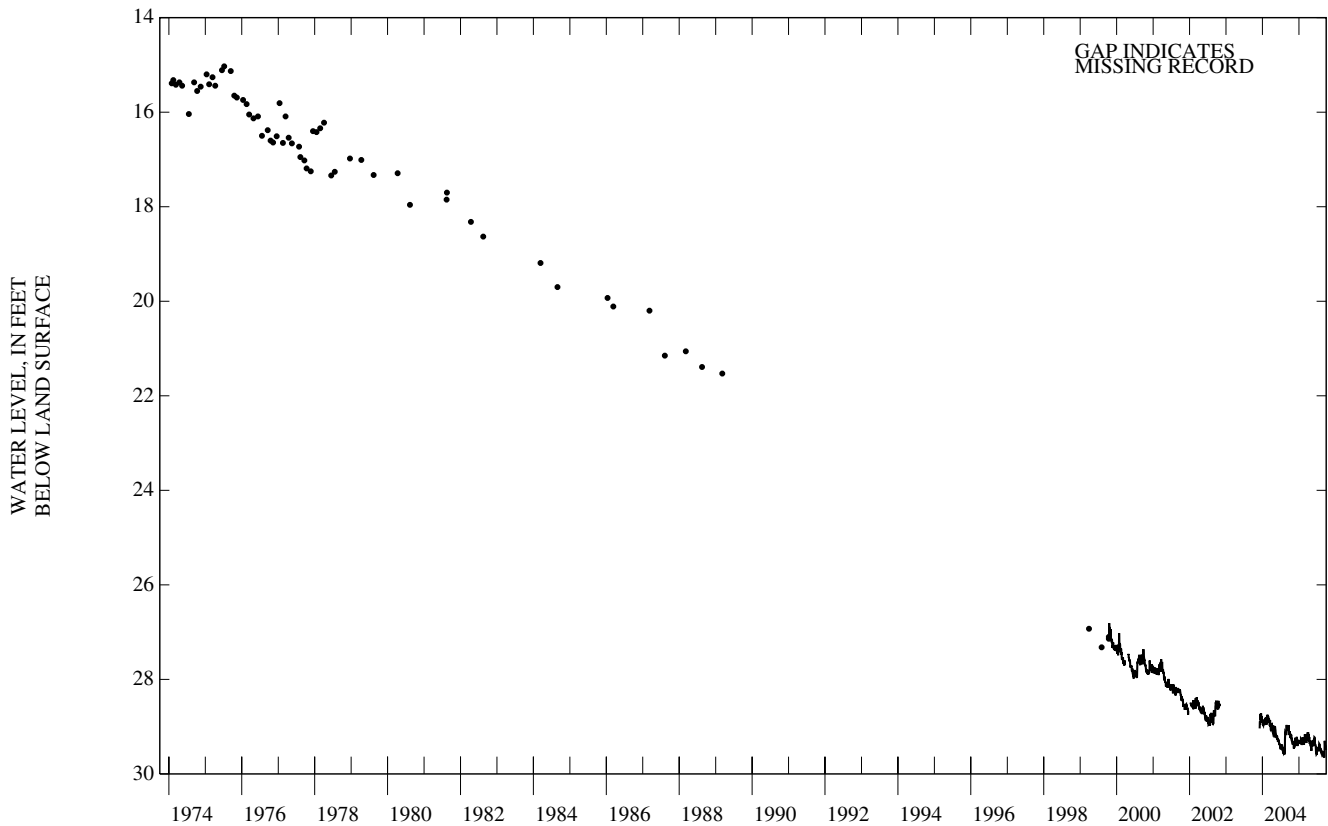
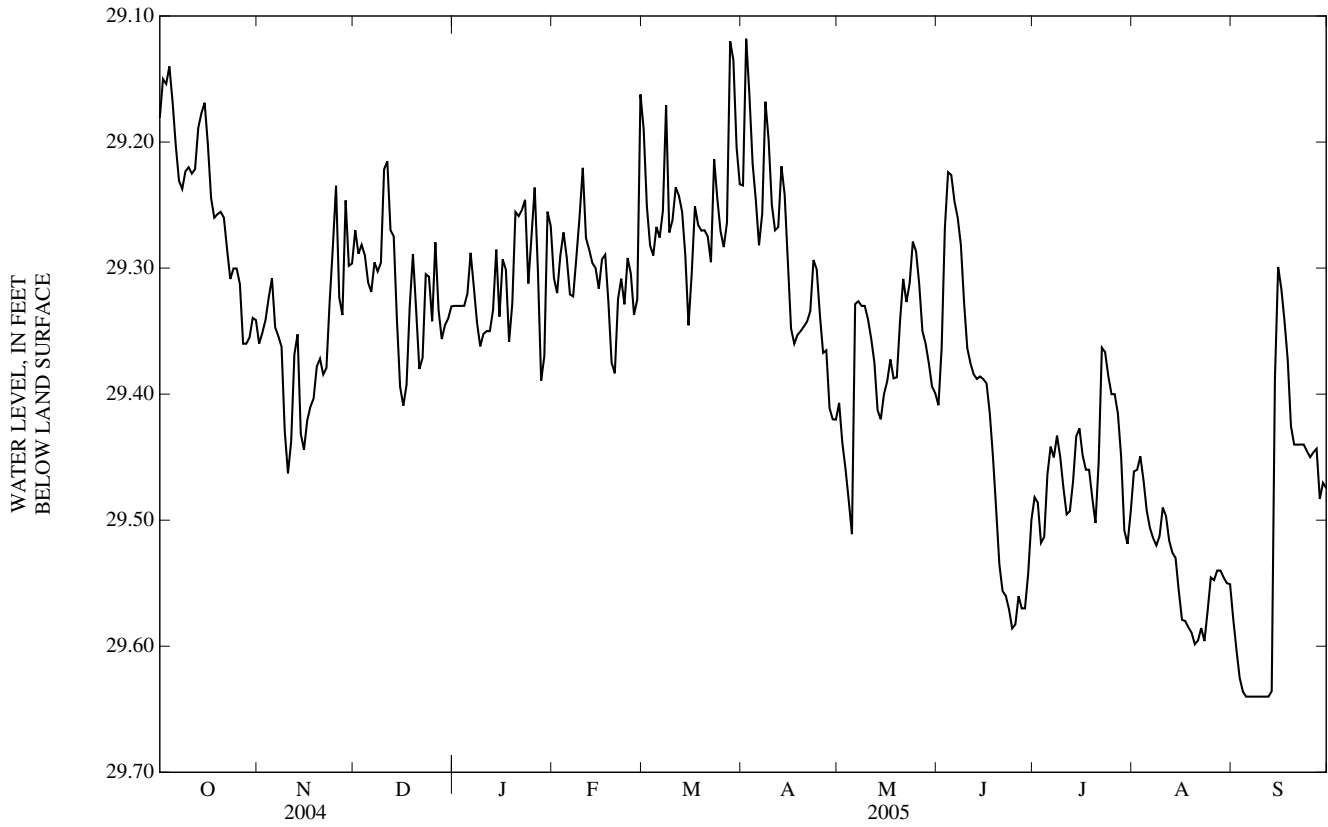
BRUNSWICK COUNTY—Continued

335849078054301. County number, BR-100; Well 15A.



BRUNSWICK COUNTY—Continued

340743078202002. County number, BR-106; DENR Bear Pen Research Station well EE36k5.



GROUND-WATER LEVELS
BRUNSWICK COUNTY—Continued

340743078202006. County number, BR-107; DENR Bear Pen Research Station well EE36k6.

LOCATION.--Lat 34°07'43", long 78°20'20", Hydrologic Unit 03040206, 9 mi north of Supply on Federal Road, near North Carolina Forest Service airstrip.
Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 110 ft, diameter 4 in.; cased to 48 ft, open interval from 48 to 110 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 61.00 ft above NGVD of 1929. Measuring point: Top of instrument shelf, 0.69 ft above land-surface datum.

REMARKS.--Well is part of Brunswick County ground-water study. Water-level data may be influenced by local pumping.

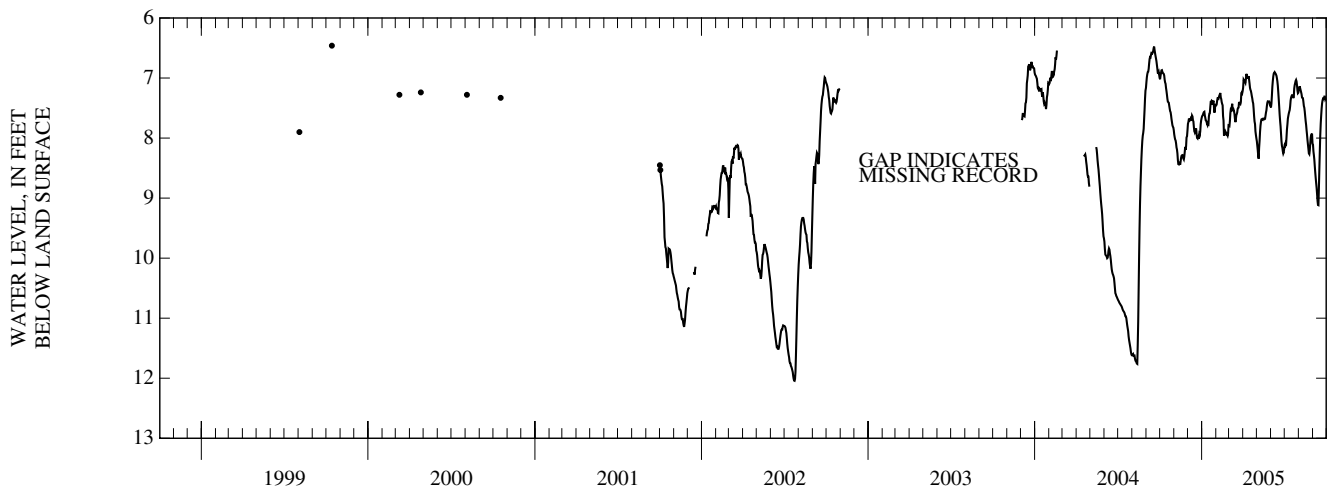
PERIOD OF RECORD.--August 1999 to current year. Continuous record began April 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.37 ft below land-surface datum, Sept. 26, 2000; lowest water level recorded, 12.06 ft below land-surface datum, July 23, 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	7.02	7.94	7.76	7.64	7.45	7.79	7.16	8.05	7.49	8.11	7.19	8.11
2	6.96	7.99	7.73	7.63	7.44	7.80	7.03	8.13	7.43	8.09	7.16	8.22
3	6.92	8.02	7.69	7.61	7.38	7.71	7.04	8.20	7.29	8.13	7.14	8.28
4	6.87	8.04	7.69	7.58	7.34	7.59	7.06	8.29	7.14	8.12	7.17	8.36
5	6.87	8.09	7.71	7.57	7.34	7.52	7.06	8.34	7.05	7.99	7.20	8.47
6	6.90	8.16	7.70	7.56	7.34	7.53	7.08	8.17	6.98	7.86	7.23	8.57
7	6.92	8.19	7.68	7.63	7.32	7.48	7.02	8.04	6.93	7.77	7.27	8.66
8	6.92	8.26	7.70	7.66	7.29	7.43	6.93	7.90	6.91	7.68	7.32	8.75
9	6.93	8.37	7.69	7.70	7.27	7.53	6.95	7.79	6.90	7.63	7.33	8.83
10	6.96	8.43	7.63	7.71	7.25	7.54	6.99	7.73	6.92	7.59	7.34	8.93
11	7.03	8.44	7.64	7.73	7.32	7.53	7.00	7.69	6.93	7.56	7.39	9.04
12	7.07	8.41	7.70	7.77	7.35	7.55	7.00	7.69	6.94	7.53	7.47	9.11
13	7.09	8.41	7.72	7.79	7.40	7.60	6.97	7.70	6.96	7.47	7.49	9.12
14	7.17	8.44	7.81	7.76	7.43	7.68	7.02	7.70	7.00	7.38	7.56	8.83
15	7.22	8.39	7.88	7.77	7.45	7.74	7.09	7.68	7.05	7.33	7.64	8.52
16	7.28	8.33	7.90	7.64	7.63	7.69	7.16	7.68	7.13	7.30	7.72	8.23
17	7.35	8.30	7.88	7.59	7.71	7.62	7.20	7.68	7.24	7.29	7.78	7.95
18	7.39	8.29	7.86	7.59	7.96	7.60	7.22	7.69	7.35	7.29	7.87	7.76
19	7.40	8.28	7.84	7.49	7.91	7.57	7.25	7.68	7.47	7.30	7.94	7.62
20	7.41	8.30	7.93	7.40	7.92	7.51	7.30	7.63	7.61	7.33	8.03	7.51
21	7.46	8.34	8.00	7.40	7.89	7.50	7.34	7.58	7.72	7.31	8.11	7.42
22	7.51	8.36	8.00	7.38	7.91	7.49	7.39	7.54	7.80	7.17	8.18	7.37
23	7.55	8.31	7.96	7.39	7.95	7.40	7.42	7.47	7.93	7.12	8.26	7.35
24	7.57	8.23	7.99	7.45	7.91	7.42	7.51	7.41	8.05	7.08	8.27	7.35
25	7.62	8.15	8.01	7.40	7.95	7.42	7.63	7.39	8.13	7.05	8.20	7.35
26	7.68	8.20	7.93	7.38	7.96	7.43	7.72	7.39	8.16	7.03	8.10	7.31
27	7.73	8.13	7.94	7.48	7.93	7.40	7.77	7.39	8.22	7.06	8.00	7.31
28	7.78	7.99	7.89	7.58	7.79	7.25	7.89	7.39	8.26	7.12	7.95	7.36
29	7.81	7.97	7.77	7.54	---	7.24	7.95	7.42	8.24	7.21	7.94	7.34
30	7.82	7.87	7.71	7.43	---	7.25	8.01	7.46	8.17	7.25	7.94	7.34
31	7.87	---	7.67	7.45	---	7.21	---	7.47	---	7.24	8.09	---

WTR YR 2005 MEAN 7.64 HIGH 6.87 LOW 9.12



GROUND-WATER LEVELS

62

BRUNSWICK COUNTY—Continued

335334078352102. County number, BR-116; DENR Calabash Research Station well HH39j3.

LOCATION.--Lat 33°53'34", long 78°35'21", Hydrologic Unit 03040207, .75 mi west of Country Club Drive on Carolina Shores Drive. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Black Creek aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 660 ft, diameter 2.5 in.; cased to 644 ft and from 654 to 660 ft, screened interval from 644 to 654 ft.

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

DATUM.--Land-surface datum is 47.59 ft above NGVD of 1929. Measuring point: Top of casing, 2.79 ft above land-surface datum.

REMARKS.--Well is part of Brunswick County ground-water study.

PERIOD OF RECORD.--May 1973 to current year. Continuous record began October 1999.

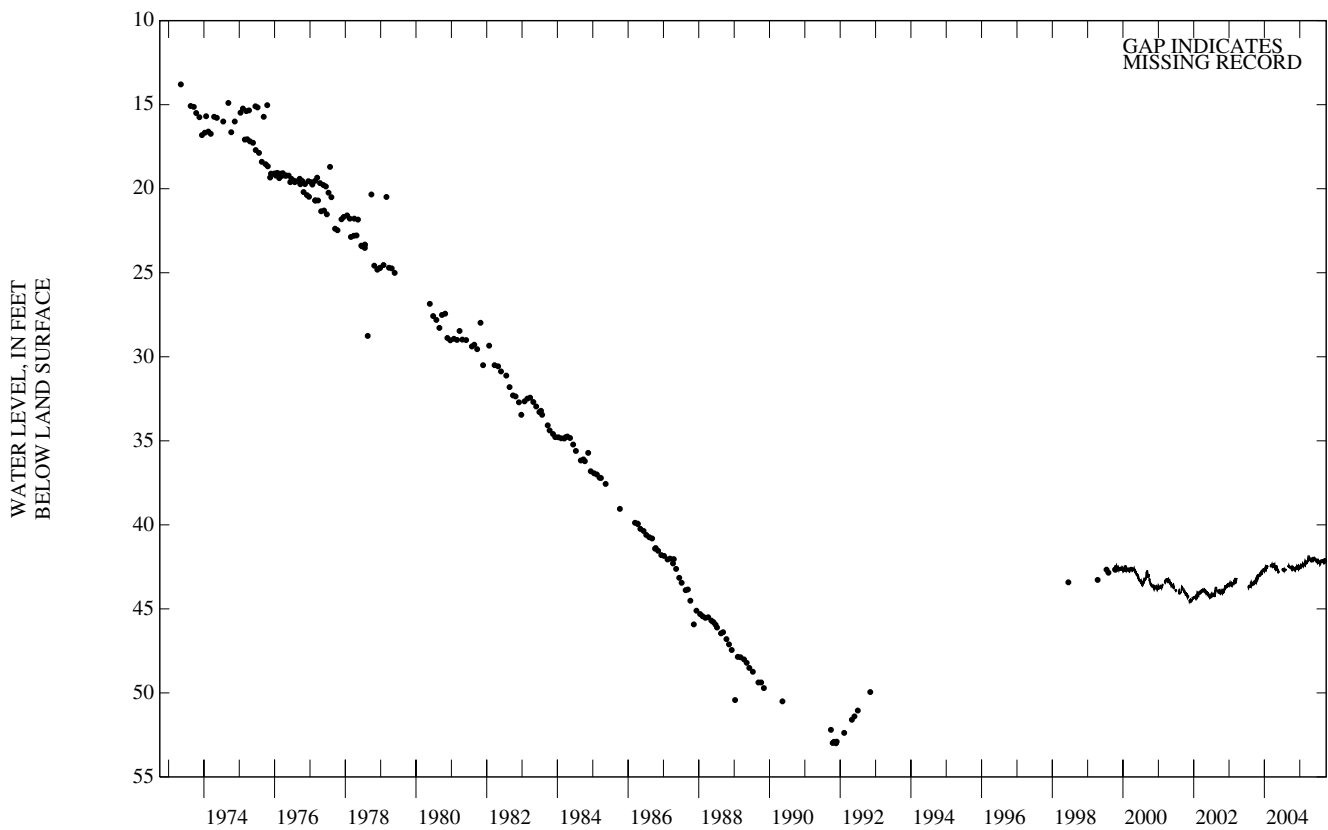
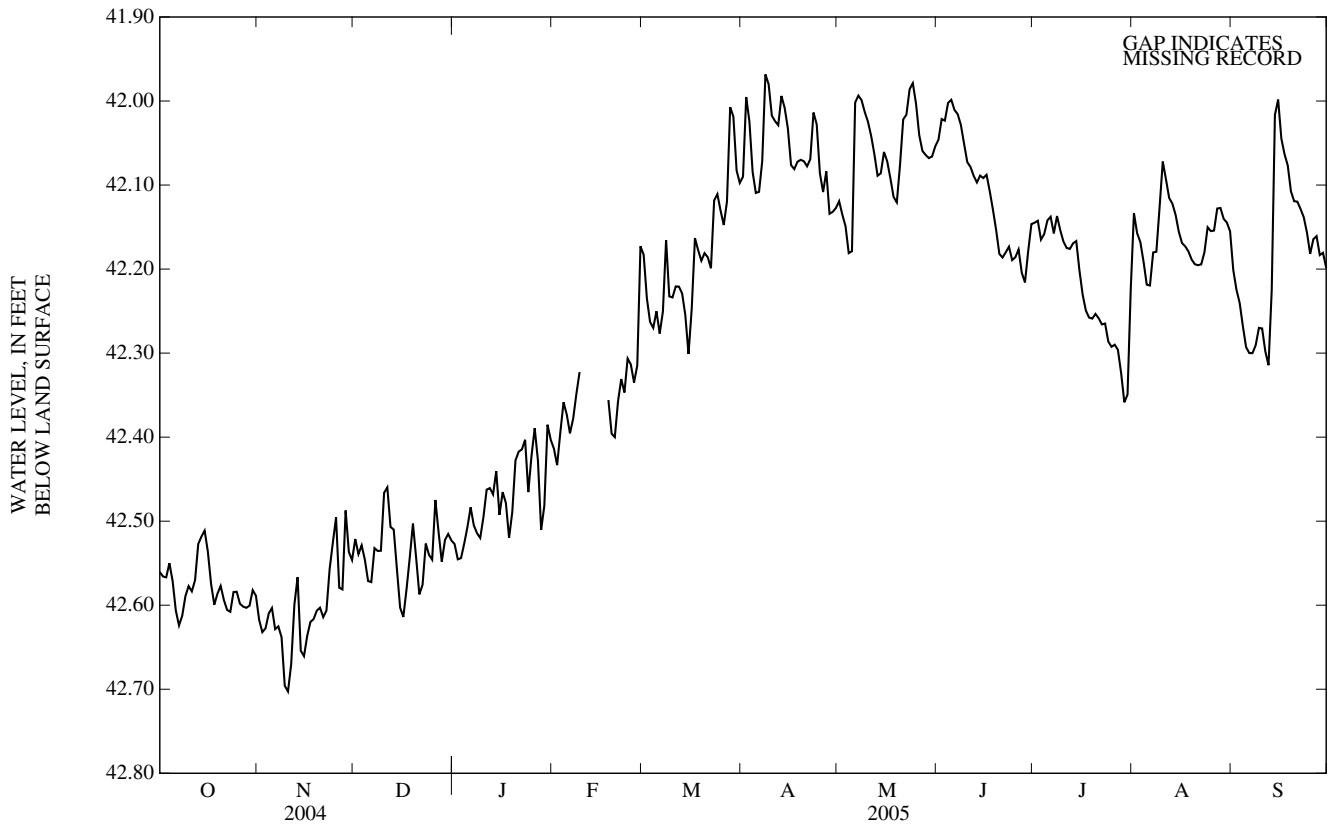
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.79 ft below land-surface datum, May 7, 1973; lowest water level measured, 53.00 ft below land-surface datum, Nov. 11, 1991.

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	42.56	42.62	42.52	42.53	42.41	42.18	42.09	42.12	42.05	42.14	42.13	42.20	
2	42.57	42.63	42.54	42.55	42.43	42.23	42.00	42.14	42.02	42.14	42.16	42.22	
3	42.57	42.63	42.53	42.54	42.39	42.26	42.02	42.15	42.02	42.16	42.17	42.24	
4	42.55	42.61	42.55	42.53	42.36	42.27	42.08	42.18	42.00	42.16	42.19	42.27	
5	42.57	42.60	42.57	42.51	42.37	42.25	42.11	42.18	42.00	42.14	42.22	42.29	
6	42.61	42.63	42.57	42.48	42.40	42.28	42.11	42.00	42.01	42.14	42.22	42.30	
7	42.62	42.63	42.53	42.51	42.38	42.25	42.07	41.99	42.02	42.16	42.18	42.30	
8	42.61	42.64	42.54	42.51	42.35	42.17	41.97	42.00	42.03	42.14	42.18	42.29	
9	42.59	42.70	42.54	42.52	42.32	42.23	41.98	42.01	42.05	42.15	42.13	42.27	
10	42.58	42.70	42.47	42.49	---	42.23	42.02	42.02	42.07	42.17	42.07	42.27	
11	42.58	42.67	42.46	42.46	---	42.22	42.02	42.04	42.08	42.17	42.09	42.30	
12	42.57	42.60	42.51	42.46	---	42.22	42.03	42.06	42.09	42.18	42.12	42.31	
13	42.53	42.57	42.51	42.47	---	42.23	41.99	42.09	42.10	42.17	42.12	42.23	
14	42.52	42.65	42.56	42.44	---	42.25	42.01	42.09	42.09	42.17	42.14	42.02	
15	42.51	42.66	42.60	42.49	---	42.30	42.03	42.06	42.09	42.20	42.16	42.00	
16	42.54	42.64	42.61	42.47	---	42.25	42.08	42.07	42.09	42.23	42.17	42.04	
17	42.57	42.62	42.58	42.48	---	42.16	42.08	42.09	42.11	42.25	42.17	42.06	
18	42.60	42.62	42.54	42.52	42.36	42.18	42.07	42.11	42.13	42.26	42.18	42.08	
19	42.59	42.61	42.50	42.49	42.40	42.19	42.07	42.12	42.15	42.26	42.19	42.11	
20	42.58	42.60	42.54	42.43	42.40	42.18	42.07	42.08	42.18	42.25	42.19	42.12	
21	42.59	42.61	42.59	42.42	42.36	42.19	42.08	42.02	42.19	42.26	42.20	42.12	
22	42.61	42.61	42.58	42.41	42.33	42.20	42.07	42.02	42.18	42.27	42.19	42.13	
23	42.61	42.56	42.53	42.40	42.35	42.12	42.01	41.99	42.17	42.26	42.18	42.14	
24	42.58	42.53	42.54	42.47	42.31	42.11	42.03	41.98	42.19	42.29	42.15	42.16	
25	42.58	42.50	42.55	42.42	42.31	42.13	42.09	42.00	42.19	42.29	42.15	42.18	
26	42.60	42.58	42.47	42.39	42.34	42.15	42.11	42.04	42.18	42.29	42.15	42.16	
27	42.60	42.58	42.51	42.43	42.31	42.12	42.08	42.06	42.20	42.30	42.13	42.16	
28	42.60	42.49	42.55	42.51	42.17	42.01	42.13	42.06	42.22	42.32	42.13	42.18	
29	42.60	42.54	42.52	42.48	---	42.02	42.13	42.07	42.18	42.36	42.14	42.18	
30	42.58	42.55	42.52	42.39	---	42.08	42.13	42.07	42.15	42.35	42.14	42.20	
31	42.59	---	42.52	42.40	---	42.10	---	42.05	---	42.22	42.16	---	
WTR YR	2005	MEAN	42.29	HIGH	41.97	LOW	42.70						

GROUND-WATER LEVELS
BRUNSWICK COUNTY—Continued

335334078352102. County number, BR-116; DENR Calabash Research Station well HH39j3



GROUND-WATER LEVELS

BRUNSWICK COUNTY—Continued

335334078352106. Local number, BR-123; DENR Calabash Research Station well HH39j7.

LOCATION.--Lat 33°53'34", long 78°35'21", Hydrologic Unit 03040207, .75 miles west of Country Club Drive on Carolina Shores Drive. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial Aquifer.

WELL CHARACTERISTICS.--Drilled observation well, depth 56 ft, diameter 4 in., cased to 46 ft, screened interval from 46 to 56 ft.

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

DATUM.--Land-surface datum is 47.28 ft above NGVD of 1929. Measuring point: Top of casing, 1.97 ft above land-surface datum.

REMARKS.-- Well is part of Brunswick County ground-water study. Water levels may be affected by local pumping.

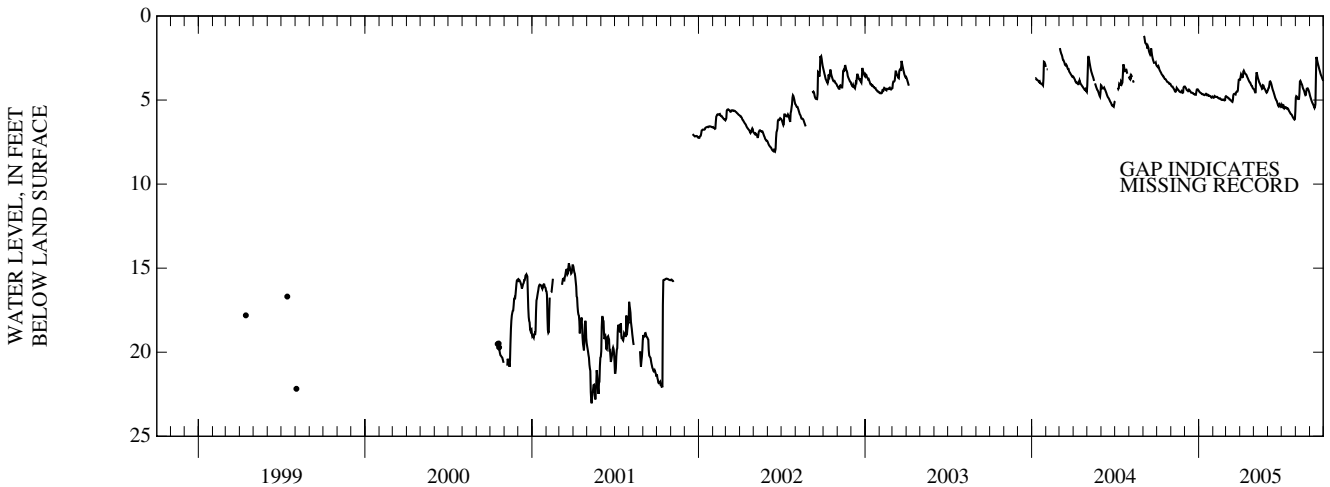
PERIOD OF RECORD.--April 1999 to current year. Continuous record began October 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.05 ft below land-surface datum, Sept. 2, 2004; lowest water level recorded, 23.12 ft below land-surface datum, May 11, 2001.

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	3.00	4.15	4.20	4.48	4.86	4.77	3.79	4.35	4.40	5.34	4.86	4.73
2	3.01	4.18	4.25	4.52	4.87	4.79	3.61	4.39	4.29	5.43	4.77	4.83
3	3.05	4.20	4.28	4.55	4.84	4.81	3.46	4.48	4.27	5.44	4.79	4.91
4	3.00	4.20	4.34	4.57	4.76	4.83	3.52	4.55	4.09	5.29	4.86	5.00
5	3.09	4.26	4.40	4.58	4.78	4.85	3.59	4.54	3.91	5.31	4.92	5.08
6	3.18	4.30	4.43	4.60	4.80	4.89	3.64	3.67	3.89	5.41	4.94	5.15
7	3.24	4.35	4.44	4.64	4.80	4.90	3.63	3.35	3.94	5.50	4.94	5.21
8	3.29	4.40	4.47	4.64	4.81	4.91	3.30	3.45	4.02	5.48	4.93	5.26
9	3.35	4.47	4.45	4.66	4.82	4.97	3.25	3.58	4.12	5.42	4.58	5.33
10	3.39	4.51	4.38	4.66	4.82	4.98	3.31	3.70	4.23	5.42	3.89	5.40
11	3.46	4.49	4.41	4.68	4.86	4.99	3.39	3.78	4.35	5.46	3.86	5.47
12	3.50	4.42	4.46	4.70	4.87	5.03	3.43	3.87	4.44	5.50	3.92	5.41
13	3.52	4.28	4.49	4.71	4.90	5.07	3.44	3.96	4.50	5.52	4.00	5.24
14	3.59	4.31	4.55	4.68	4.90	5.09	3.49	4.00	4.60	5.49	4.05	3.71
15	3.60	4.35	4.57	4.66	4.91	5.11	3.51	4.08	4.69	5.51	4.12	2.44
16	3.64	4.38	4.57	4.63	4.90	5.01	3.60	4.15	4.78	5.58	4.24	2.52
17	3.71	4.42	4.57	4.67	4.93	4.72	3.65	4.19	4.88	5.64	4.32	2.67
18	3.75	4.46	4.58	4.70	4.96	4.65	3.71	4.25	4.93	5.69	4.38	2.79
19	3.75	4.49	4.59	4.67	4.99	4.63	3.78	4.34	5.00	5.73	4.44	2.90
20	3.77	4.52	4.64	4.68	4.99	4.63	3.85	4.31	5.03	5.79	4.53	3.01
21	3.82	4.52	4.65	4.73	4.98	4.65	3.90	4.12	5.12	5.83	4.63	3.12
22	3.86	4.54	4.66	4.71	4.99	4.67	3.95	4.13	5.22	5.85	4.71	3.22
23	3.91	4.50	4.65	4.75	5.00	4.56	3.96	4.21	5.31	5.88	4.70	3.31
24	3.92	4.45	4.68	4.76	4.98	4.51	4.03	4.32	5.36	5.93	4.46	3.42
25	3.94	4.48	4.68	4.76	5.00	4.49	4.10	4.34	5.31	5.99	4.33	3.51
26	3.95	4.57	4.51	4.77	5.02	4.50	4.15	4.39	5.26	6.04	4.32	3.56
27	4.01	4.55	4.37	4.83	5.01	4.42	4.16	4.46	5.33	6.09	4.31	3.64
28	4.04	4.26	4.36	4.85	4.80	4.06	4.25	4.52	5.39	6.13	4.35	3.72
29	4.03	4.21	4.36	4.82	---	3.79	4.30	4.56	5.36	6.16	4.42	3.78
30	4.03	4.20	4.40	4.79	---	3.78	4.33	4.54	5.27	6.14	4.51	3.86
31	4.09	---	4.44	4.84	---	3.78	---	4.46	---	5.64	4.61	---

WTR YR 2005 MEAN 4.46 HIGH 2.44 LOW 6.16



GROUND-WATER LEVELS

BUNCOMBE COUNTY

352840082381001. County number, BU-068; DENR Bent Creek Research Station MW-1S (Regolith well).

LOCATION.--Lat 35°28'39", long 82°38'10", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 4 in., cased to 8 ft, screened interval from 8 to 22 ft, sand filter packed from 6 to 22 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,200.99 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.95 ft above land-surface datum.

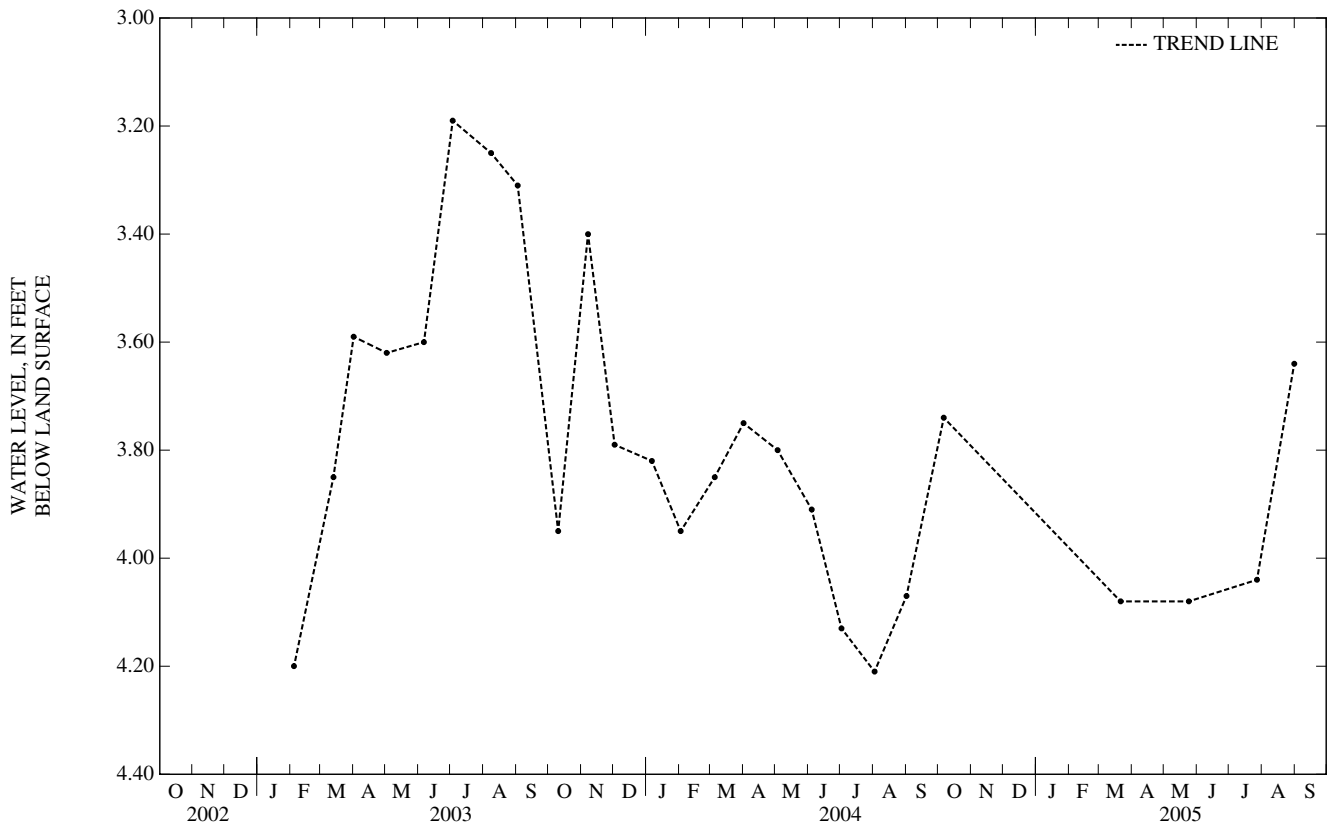
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.19 ft below land-surface datum, July 3, 2003; lowest water level measured, 4.21 ft below land-surface datum, Aug. 2, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	3.74	MAR 21	4.08	MAY 24	4.08	JUL 27	4.04	AUG 31	3.64



BUNCOMBE COUNTY—Continued

352840082381002. County number, BU-069; DENR Bent Creek Research Station MW-11 (Transition Zone well).

LOCATION.--Lat 35°28'40", long 82°38'10", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed from 32 to 53 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,202.52 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.77 ft above land-surface datum.

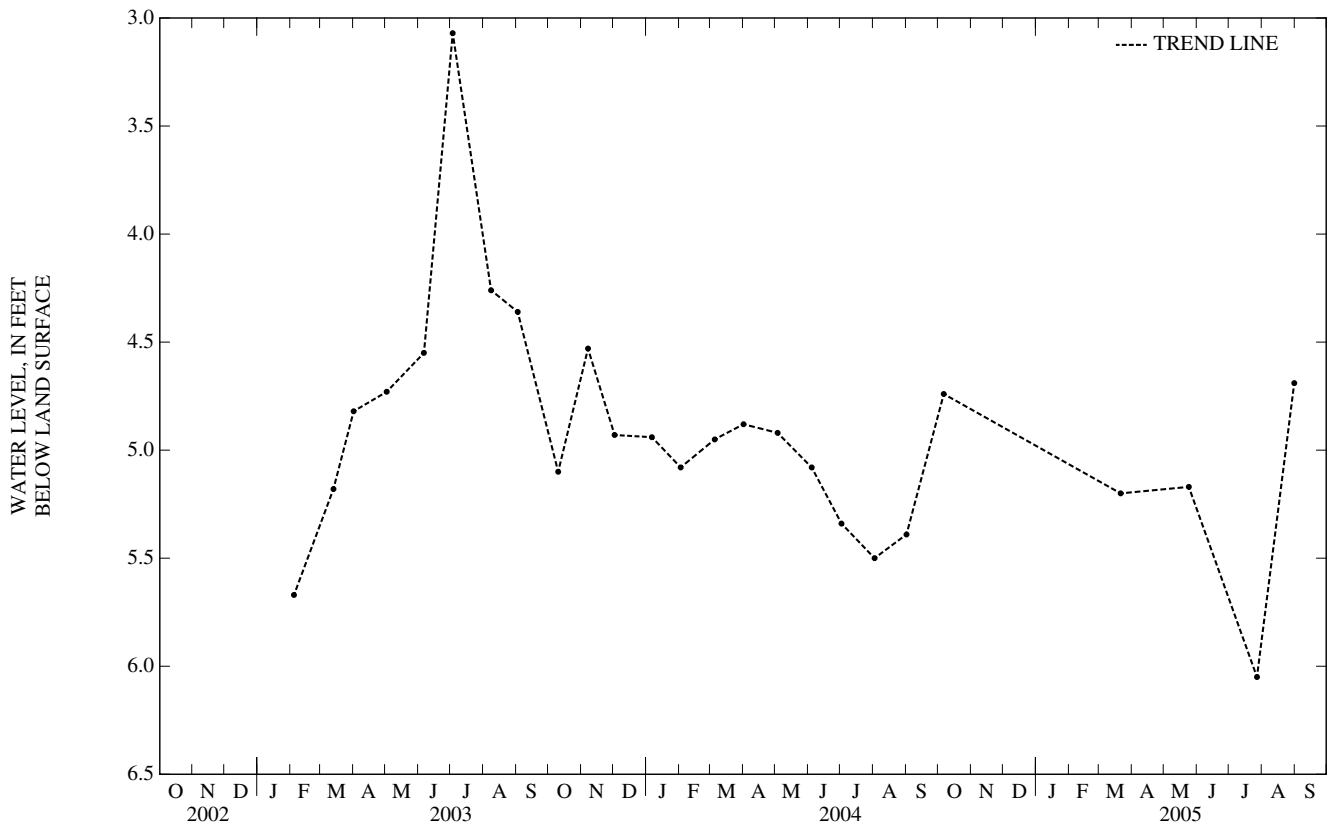
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.07 ft below land-surface datum, July 3, 2003; lowest water level measured, 5.67 ft below land-surface datum, Feb. 4, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	4.74	MAR 21	5.20	MAY 24	5.17	JUL 27	6.05	AUG 31	4.69



GROUND-WATER LEVELS
 BUNCOMBE COUNTY—Continued

352840082381003. County number, BU-070; DENR Bent Creek Research Station MW-1D (Bedrock well).

LOCATION.--Lat 35°28'41", long 82°38'12", 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.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 221 ft, diameter 6 in., cased to 55 ft, open hole from 55 to 221 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,201.77 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.50 ft above land-surface datum.

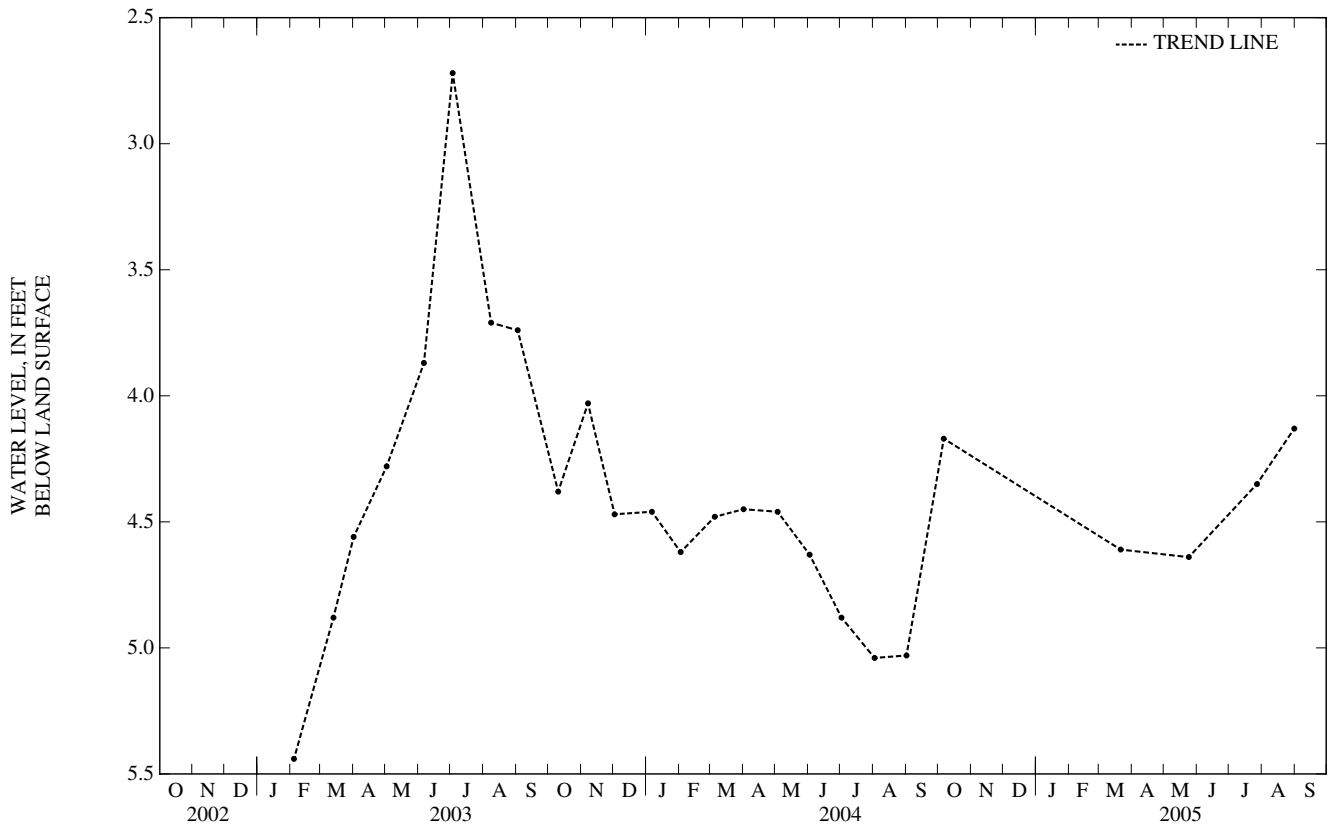
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.72 ft below land-surface datum, July 3, 2003; lowest water level measured, 5.44 ft below land-surface datum, Feb. 4, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	4.17	MAR 21	4.61	MAY 24	4.64	JUL 27	4.35	AUG 31	4.13



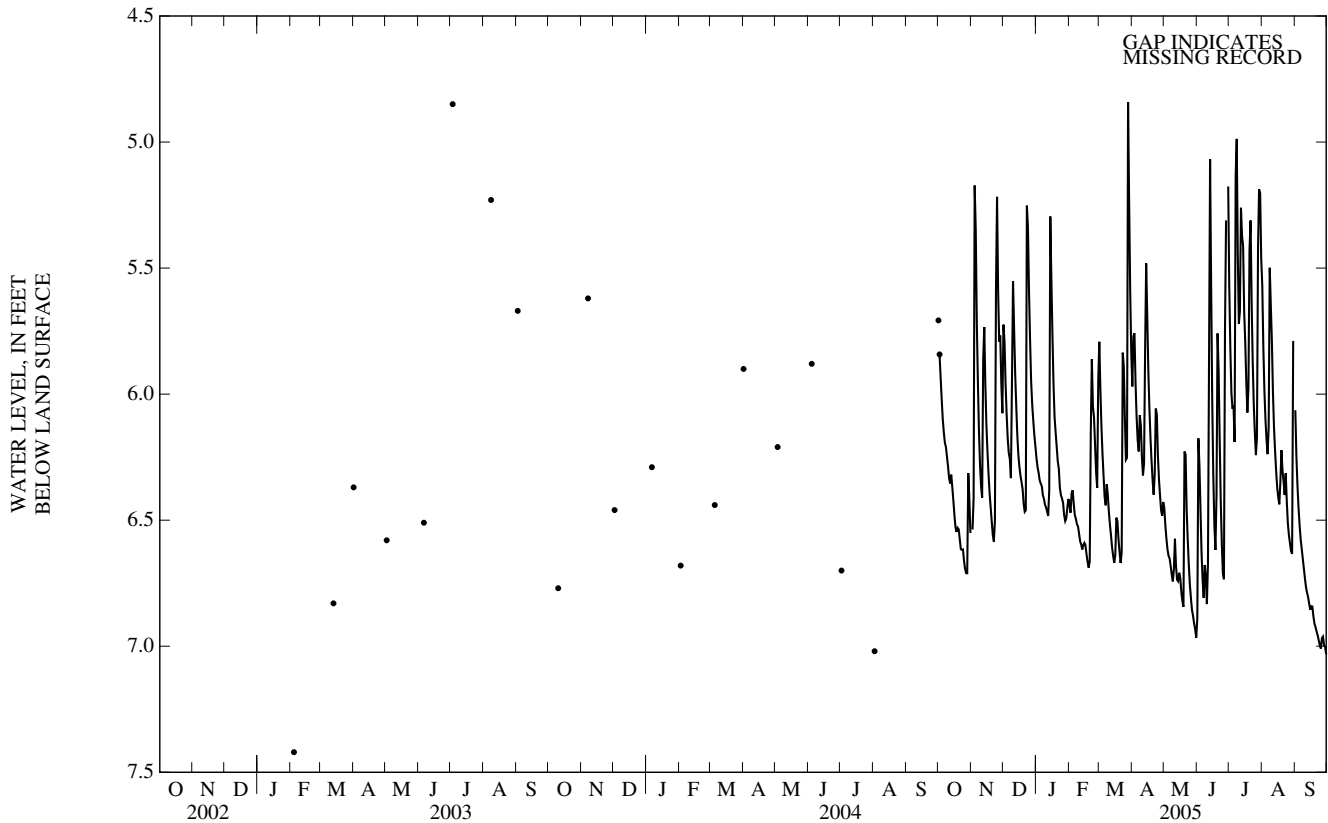
GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

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
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	---	---

WTR YR 2005 MEAN 6.26 HIGH 4.84 LOW 7.03



352854082380501 BU-071 DENR Bent Creek Research Station MW-2S (Regolith Well)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	---	13.9	13.4	13.0	11.6	11.5	11.7	11.6	12.7	13.1	13.2
2	12.9	---	13.9	13.4	13.0	11.8	11.4	11.8	11.6	12.5	12.8	12.9
3	12.9	---	13.8	13.4	12.9	11.9	11.2	11.8	11.6	12.3	12.6	12.9
4	12.9	---	13.8	13.4	12.9	12.0	11.4	11.8	11.6	12.2	12.5	12.8
5	---	---	13.7	13.4	12.9	12.1	11.6	11.8	11.6	12.3	12.4	12.8
6	---	---	13.6	13.4	12.9	12.2	11.6	11.8	11.6	12.2	12.4	12.8
7	---	---	13.6	13.3	12.9	12.2	11.7	11.8	11.6	12.8	12.4	12.8
8	13.2	---	13.6	13.3	12.9	12.1	11.6	11.8	11.6	13.3	13.2	12.8
9	13.2	---	13.7	13.3	12.9	12.0	11.6	11.8	11.6	13.0	13.2	12.8
10	13.2	---	13.7	13.3	12.9	12.1	11.7	11.8	11.6	12.7	13.1	12.8
11	13.2	---	13.7	13.3	12.9	12.2	11.7	11.8	11.6	12.7	12.8	12.8
12	13.2	---	13.7	13.3	12.9	12.2	11.8	11.8	11.8	13.3	12.6	12.8
13	13.2	---	13.7	13.3	12.9	12.2	11.4	11.8	12.2	13.2	12.6	12.8
14	13.2	---	13.6	12.5	12.9	12.2	11.2	11.8	12.1	13.3	12.5	12.8
15	13.2	---	13.6	12.4	12.8	12.3	11.3	11.8	11.9	13.0	12.5	12.8
16	13.2	---	13.6	12.6	12.8	12.2	11.4	11.8	11.8	12.9	12.5	12.8
17	13.2	---	13.6	12.8	12.8	12.1	11.5	11.8	11.8	12.6	12.5	12.8
18	13.2	---	13.6	12.9	12.8	12.0	11.6	11.8	11.7	12.4	12.5	12.9
19	13.2	---	13.5	12.9	12.8	12.1	11.7	11.8	11.8	12.5	12.6	12.9
20	13.2	---	13.5	12.9	12.8	12.1	11.7	11.7	12.3	13.4	12.6	12.9
21	13.2	---	13.5	13.0	12.4	12.1	11.8	11.6	12.3	13.6	12.6	12.9
22	13.2	---	13.5	13.0	11.9	12.2	11.7	11.7	12.2	13.3	12.6	12.9
23	13.2	---	13.3	13.0	12.1	11.4	11.5	11.7	12.0	13.0	12.7	12.9
24	13.2	13.9	13.2	13.0	12.1	11.3	11.5	11.6	11.9	12.7	12.6	12.9
25	13.2	14.1	13.2	13.0	12.1	11.5	11.6	11.6	11.8	12.5	12.6	12.9
26	13.2	14.0	13.3	13.0	12.2	11.7	11.7	11.6	11.8	12.4	12.6	13.0
27	13.3	13.9	13.3	13.0	12.3	11.7	11.7	11.6	---	---	12.6	13.0
28	13.3	14.0	13.4	13.1	11.9	11.1	11.7	11.6	---	12.8	12.6	13.0
29	13.5	13.9	13.4	13.1	---	11.0	11.8	11.6	---	13.2	12.6	13.0
30	13.5	13.8	13.4	13.1	---	11.2	11.8	11.6	12.9	13.4	13.2	13.0
31	13.4	---	13.4	13.1	---	11.4	---	11.6	---	13.1	13.7	---
MEAN	---	---	13.6	13.1	12.7	11.9	11.6	11.7	---	---	12.7	12.9
MAX	---	---	13.9	13.4	13.0	12.3	11.8	11.8	---	---	13.7	13.2
MIN	---	---	13.2	12.4	11.9	11.0	11.2	11.6	---	---	12.4	12.8

GROUND-WATER LEVELS

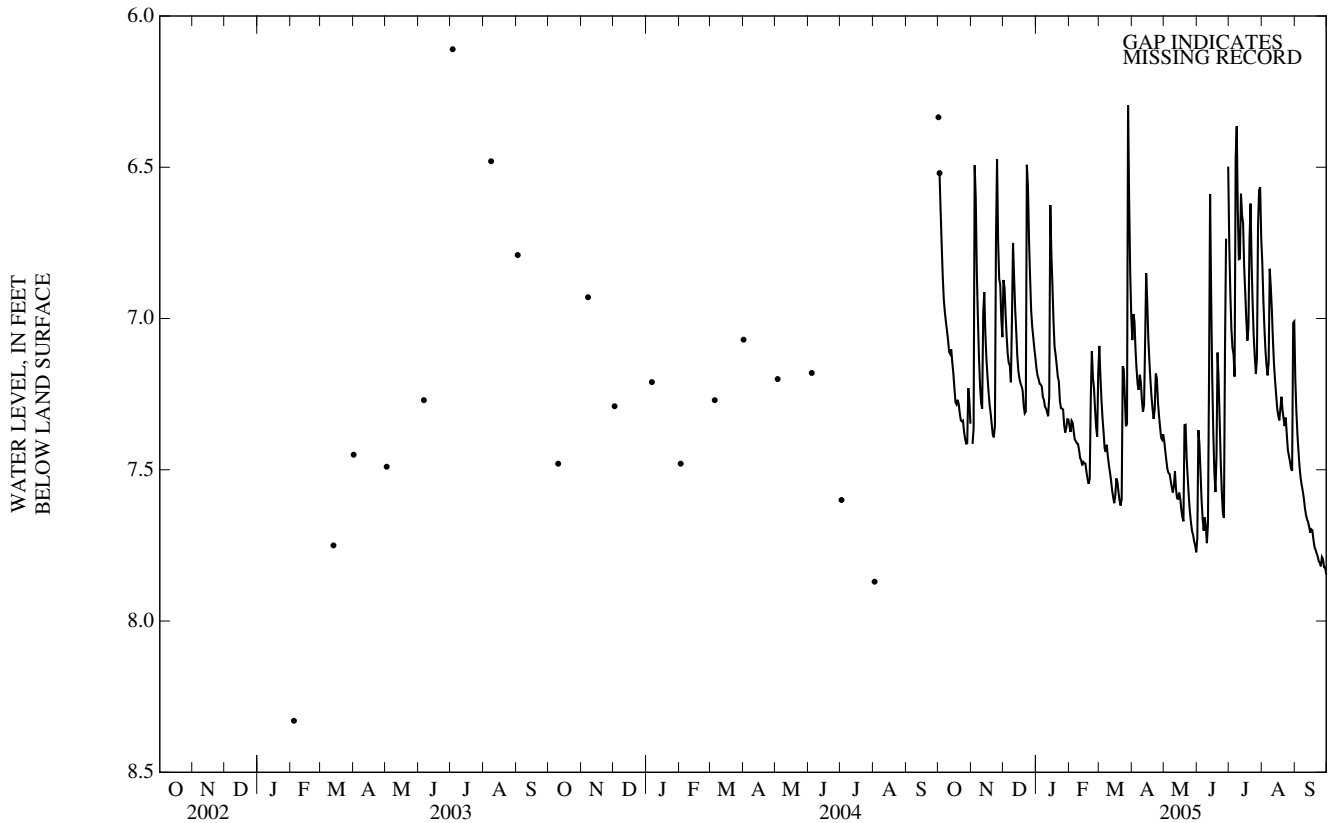
BUNCOMBE COUNTY—Continued

352854082380502. County number, BU-072; DENR Bent Creek Research Station MW-2I (Transition Zone 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	6.33	---	6.87	7.16	7.36	7.09	7.07	7.41	7.73	6.75	6.81	7.20
2	6.52	7.41	6.90	7.19	7.37	7.19	6.99	7.44	7.37	6.92	6.94	7.31
3	6.64	7.36	6.98	7.20	7.34	7.27	7.01	7.47	7.42	7.03	7.03	7.38
4	6.75	6.49	7.06	7.22	7.34	7.33	7.10	7.50	7.51	7.10	7.11	7.44
5	6.86	6.60	7.12	7.22	7.37	7.37	7.17	7.51	7.60	7.12	7.16	7.49
6	6.94	6.85	7.15	7.22	7.40	7.43	7.22	7.51	7.66	7.19	7.19	7.53
7	6.98	7.00	7.16	7.26	7.41	7.44	7.24	7.54	7.70	6.47	7.14	7.55
8	7.01	7.12	7.21	7.27	7.41	7.42	7.19	7.56	7.66	6.36	6.84	7.57
9	7.04	7.22	7.00	7.29	7.41	7.46	7.21	7.58	7.69	6.64	6.90	7.59
10	7.07	7.28	6.75	7.30	7.44	7.48	7.27	7.55	7.74	6.80	6.97	7.63
11	7.11	7.30	6.86	7.31	7.46	7.51	7.31	7.50	7.68	6.80	7.07	7.65
12	7.12	6.98	6.97	7.32	7.47	7.54	7.29	7.56	7.20	6.59	7.15	7.66
13	7.10	6.91	7.04	7.26	7.49	7.57	7.08	7.59	6.59	6.66	7.21	7.67
14	7.15	7.05	7.12	6.62	7.47	7.59	6.85	7.60	6.93	6.69	7.25	7.69
15	7.18	7.13	7.17	6.78	7.48	7.61	6.94	7.58	7.19	6.83	7.30	7.71
16	7.23	7.19	7.20	6.89	7.48	7.58	7.06	7.60	7.38	6.91	7.32	7.70
17	7.28	7.24	7.21	7.01	7.51	7.53	7.14	7.63	7.51	7.00	7.34	7.70
18	7.28	7.28	7.22	7.09	7.53	7.54	7.20	7.66	7.57	7.07	7.30	7.73
19	7.27	7.31	7.24	7.12	7.55	7.57	7.26	7.67	7.45	7.03	7.26	7.76
20	7.28	7.35	7.29	7.15	7.53	7.60	7.30	7.35	7.11	6.74	7.30	7.76
21	7.31	7.38	7.31	7.19	7.26	7.62	7.33	7.35	7.20	6.62	7.33	7.78
22	7.34	7.39	7.31	7.21	7.11	7.60	7.30	7.46	7.34	6.82	7.36	7.79
23	7.34	7.35	6.49	7.27	7.19	7.16	7.18	7.53	7.47	6.96	7.33	7.80
24	7.34	6.73	6.56	7.30	7.23	7.17	7.20	7.59	7.57	7.06	7.38	7.81
25	7.37	6.47	6.74	7.30	7.30	7.26	7.27	7.64	7.64	7.13	7.43	7.82
26	7.40	6.74	6.86	7.30	7.36	7.36	7.32	7.67	7.66	7.18	7.45	7.79
27	7.41	6.87	6.97	7.35	7.39	7.35	7.36	7.70	7.10	7.13	7.47	7.80
28	7.41	6.89	7.03	7.38	7.18	6.29	7.39	7.71	6.74	6.69	7.50	7.82
29	7.23	7.00	7.06	7.36	---	6.61	7.40	7.74	---	6.58	7.50	7.82
30	7.27	7.06	7.10	7.33	---	6.85	7.38	7.75	6.50	6.57	7.01	7.85
31	7.35	---	7.13	7.33	---	6.99	---	7.77	---	6.73	7.01	---

WTR YR 2005 MEAN 7.25 HIGH 6.29 LOW 7.85



352854082380502 BU-072 DENR Bent Creek Research Station MW-2I (Intermediate Zone Well)—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	---	13	12	11	43	29	19	12	33	40	24
2	12	11	13	12	11	37	34	17	34	27	30	20
3	11	12	12	12	12	32	40	16	34	23	24	19
4	11	17	12	12	13	27	32	15	27	21	20	17
5	11	15	12	12	12	22	27	14	20	24	19	16
6	11	13	12	12	11	19	23	14	17	20	17	15
7	12	13	12	12	11	18	21	14	15	45	20	15
8	12	12	12	12	11	21	25	13	18	53	44	14
9	12	12	13	12	11	22	27	13	20	35	39	12
10	12	12	14	12	11	18	22	13	15	25	33	12
11	12	12	13	12	11	16	20	18	20	25	27	11
12	12	14	13	12	11	16	19	15	44	45	22	11
13	12	14	12	12	11	15	35	14	74	39	20	11
14	12	13	12	19	11	14	48	13	59	40	18	11
15	12	13	12	17	11	13	42	14	43	29	17	10
16	12	12	12	15	11	13	34	14	32	26	17	10
17	12	12	12	14	11	20	28	14	24	21	16	10
18	12	12	12	13	11	22	24	13	21	18	17	11
19	12	12	12	12	11	18	21	12	27	19	22	10
20	12	12	12	12	11	15	19	28	58	40	20	10
21	12	12	12	12	22	15	18	33	55	46	20	10
22	12	12	12	12	37	15	19	24	42	33	18	11
23	12	12	16	12	30	43	30	20	31	26	21	11
24	12	16	14	12	27	45	30	16	24	21	19	11
25	12	15	12	12	25	37	25	14	19	17	17	11
26	12	13	13	12	22	30	21	14	17	16	16	11
27	12	13	12	12	19	27	19	13	---	16	16	11
28	12	13	12	12	33	62	18	12	---	44	15	11
29	12	13	12	12	---	52	17	12	---	53	15	11
30	13	12	12	11	---	42	18	12	47	52	30	11
31	12	---	12	11	---	33	---	11	---	42	29	---
MEAN	12	---	12	13	16	27	26	16	---	31	23	13
MAX	13	---	16	19	37	62	48	33	---	53	44	24
MIN	11	---	12	11	11	13	17	11	---	16	15	10

352854082380502 BU-072 DENR Bent Creek Research Station MW-2I (Intermediate Zone Well)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.2	5.3	5.3	5.2
2	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.2	5.3	5.3	5.3	5.2
3	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.2	5.3	5.3	5.3	5.2
4	5.2	5.2	5.2	5.3	5.5	5.3	5.3	5.2	5.3	5.3	5.3	5.2
5	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.2	5.2	5.3	5.2	5.2
6	---	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.2	5.3	5.2	5.2
7	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.2	5.4	5.2	5.2
8	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.2	5.2	5.4	5.3	5.2
9	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.2	5.2	5.3	5.3	5.2
10	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.1	5.2	5.3	5.2	5.2
11	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.3	5.3	5.2	5.1
12	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.3	5.4	5.2	5.1
13	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.4	5.3	5.2	5.1
14	5.2	5.2	5.3	5.4	5.4	5.2	5.3	5.2	5.3	5.4	5.2	5.1
15	5.2	5.2	5.3	5.4	5.4	5.2	5.3	5.2	5.3	5.3	5.2	5.1
16	5.2	5.2	5.3	5.4	5.4	5.2	5.3	5.2	5.3	5.3	5.2	5.1
17	5.2	5.2	5.3	5.4	5.4	5.2	5.3	5.2	5.3	5.3	5.2	5.1
18	5.2	5.2	5.3	5.3	5.4	5.2	5.3	5.2	5.3	5.3	5.2	5.1
19	5.2	5.2	5.3	5.3	5.4	5.2	5.2	5.2	5.3	5.3	5.2	5.2
20	5.2	5.2	5.3	5.4	5.4	5.2	5.2	5.2	5.3	5.4	5.2	5.1
21	5.2	5.2	5.3	5.4	5.4	5.2	5.2	5.2	5.3	5.4	5.2	5.2
22	5.2	5.2	5.3	5.4	5.4	5.2	5.2	5.2	5.3	5.3	5.2	5.2
23	5.2	---	5.4	5.4	5.4	5.3	5.3	5.2	5.3	5.3	5.2	5.2
24	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.2	5.3	5.3	5.2	5.2
25	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.2	5.3	5.3	5.2	5.2
26	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.2	5.2	5.3	5.2	5.2
27	5.2	5.2	5.3	5.4	5.3	5.3	5.3	5.2	---	---	5.2	5.2
28	5.2	5.2	5.3	5.4	5.3	5.3	5.2	5.2	---	5.3	5.2	5.2
29	5.2	5.2	5.3	5.4	---	5.3	5.2	5.2	---	5.3	5.2	5.2
30	5.2	5.2	5.3	5.4	---	5.3	5.2	5.2	5.4	5.3	5.2	5.2
31	5.2	---	5.3	5.4	---	5.3	---	5.2	---	5.3	5.2	---
MEAN	---	---	5.3	5.4	5.4	5.3	5.3	5.2	---	---	5.2	5.2
MAX	---	---	5.4	5.4	5.5	5.3	5.3	5.3	---	---	5.3	5.2
MIN	---	---	5.2	5.3	5.3	5.2	5.2	5.1	---	---	5.2	5.1

352854082380502 BU-072 DENR Bent Creek Research Station MW-2I (Intermediate Zone Well)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.1	12.1	12.2	12.3	12.3	12.4	12.3	12.3	12.2	12.0	12.1	12.1
2	12.1	12.1	12.2	12.3	12.3	12.4	12.3	12.3	12.1	12.1	12.1	12.1
3	12.1	12.1	12.2	12.3	12.4	12.4	12.2	12.3	12.1	12.1	12.1	12.1
4	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.1	12.1	12.1	12.1
5	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.1
6	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.1
7	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.0	12.1	12.1
8	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.0	12.1	12.1
9	12.1	12.1	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.1
10	12.1	12.2	12.2	12.3	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.1
11	12.1	12.2	12.2	12.3	12.4	12.4	12.3	12.2	12.2	12.1	12.1	12.1
12	12.1	12.2	12.2	12.3	12.4	12.4	12.3	12.3	12.0	12.0	12.1	12.1
13	12.1	12.2	12.2	12.3	12.4	12.4	12.2	12.3	11.8	12.1	12.1	12.1
14	12.1	12.2	12.2	12.3	12.4	12.4	12.1	12.3	11.9	12.0	12.1	12.1
15	12.1	12.2	12.2	12.3	12.4	12.4	12.2	12.3	12.0	12.1	12.1	12.1
16	12.1	12.2	12.2	12.3	12.4	12.4	12.2	12.3	12.1	12.1	12.1	12.1
17	12.1	12.2	12.2	12.3	12.4	12.4	12.2	12.3	12.1	12.1	12.1	12.1
18	12.1	12.2	12.2	12.3	12.4	12.4	12.3	12.3	12.1	12.1	12.1	12.1
19	12.1	12.2	12.3	12.3	12.4	12.4	12.3	12.3	12.1	12.1	12.1	12.1
20	12.1	12.2	12.3	12.3	12.4	12.4	12.3	12.2	11.9	12.1	12.1	12.1
21	12.1	12.2	12.3	12.3	12.4	12.4	12.3	12.1	12.0	12.1	12.1	12.1
22	12.1	12.2	12.3	12.3	12.4	12.4	12.3	12.2	12.0	12.1	12.1	12.1
23	12.1	12.2	12.3	12.3	12.4	12.3	12.2	12.2	12.1	12.1	12.1	12.1
24	12.1	12.2	12.3	12.3	12.4	12.3	12.2	12.2	12.1	12.1	12.1	12.1
25	12.1	12.2	12.3	12.3	12.4	12.3	12.2	12.2	12.1	12.1	12.1	12.1
26	12.1	12.2	12.3	12.3	12.4	12.3	12.3	12.2	12.1	12.1	12.1	12.1
27	12.1	12.2	12.3	12.3	12.4	12.3	12.3	12.2	---	12.1	12.1	12.1
28	12.1	12.2	12.3	12.3	12.4	12.2	12.3	12.2	---	12.1	12.1	12.1
29	12.1	12.2	12.3	12.3	---	12.2	12.3	12.2	---	12.1	12.1	12.1
30	12.1	12.2	12.3	12.3	---	12.2	12.3	12.2	12.0	12.1	12.1	12.1
31	12.1	---	12.3	12.3	---	12.3	---	12.2	---	12.1	---	---
MEAN	12.1	12.2	12.2	12.3	12.4	12.4	12.3	12.3	---	12.1	---	12.1
MAX	12.1	12.2	12.3	12.3	12.4	12.4	12.3	12.3	---	12.1	---	12.1
MIN	12.1	12.1	12.2	12.3	12.3	12.2	12.1	12.1	---	12.0	---	12.1

352854082380502 BU-072 DENR Bent Creek Research Station MW-2I (Intermediate Zone Well)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	8.0	7.5	7.7	7.8	4.6	5.4	6.2	7.3	4.4	4.8	6.5
2	7.1	7.9	7.4	7.7	7.9	5.1	5.0	6.5	5.2	4.9	5.5	6.8
3	7.2	7.9	7.3	7.7	7.9	5.5	4.6	6.6	5.1	5.2	5.9	6.9
4	7.2	7.4	7.3	7.7	7.8	5.9	5.1	6.7	5.8	5.4	6.3	7.1
5	7.3	7.6	7.3	7.8	7.9	6.4	5.4	6.8	6.4	5.2	6.5	7.1
6	---	7.6	7.4	7.8	7.9	6.7	5.7	6.9	6.7	5.7	6.6	7.2
7	7.3	7.6	7.4	7.8	7.9	6.8	6.0	6.9	6.9	3.9	6.4	7.3
8	7.4	7.6	7.5	7.9	7.9	6.5	5.6	7.0	6.5	3.5	4.4	7.4
9	7.4	7.5	7.5	7.9	7.9	6.3	5.5	7.1	6.4	4.6	5.0	7.5
10	7.5	7.5	7.5	7.9	7.9	6.7	5.9	7.1	6.8	5.3	5.4	7.5
11	7.5	7.5	7.5	7.9	7.9	7.0	6.1	6.6	6.3	5.4	5.9	7.6
12	7.6	7.4	7.5	8.0	7.9	7.1	6.2	6.9	4.2	4.1	6.3	7.6
13	7.6	7.5	7.4	8.0	7.9	7.2	4.8	7.0	1.8	4.5	6.5	7.7
14	7.6	7.5	7.4	7.3	7.9	7.3	3.8	7.1	3.1	4.5	6.7	7.7
15	7.7	7.5	7.5	7.5	8.0	7.3	4.4	7.0	4.3	5.2	6.8	7.8
16	7.7	7.4	7.5	7.7	8.0	7.3	4.9	7.0	5.1	5.6	6.9	7.8
17	7.7	7.4	7.5	7.7	7.9	6.6	5.3	7.1	5.6	6.0	7.0	7.8
18	7.7	7.4	7.6	7.7	7.9	6.3	5.7	7.2	5.9	6.2	6.9	7.8
19	7.7	7.5	7.6	7.7	7.9	6.7	5.9	7.3	5.4	6.2	6.5	7.8
20	7.7	7.5	7.6	7.7	8.0	7.0	---	5.8	3.0	4.7	6.7	7.8
21	7.8	7.6	7.7	7.7	6.8	---	6.2	5.3	3.3	4.4	6.8	7.8
22	7.8	7.6	7.7	7.8	5.2	7.4	6.1	6.0	4.2	5.3	6.9	7.8
23	7.8	---	7.4	7.8	5.9	4.5	5.2	6.5	5.0	5.9	6.6	7.8
24	7.8	7.4	7.6	7.8	6.1	4.4	5.2	6.8	5.6	6.3	6.9	7.8
25	7.8	7.4	7.6	7.8	6.3	5.1	5.6	7.0	5.9	6.7	7.1	7.9
26	7.8	7.6	7.6	7.8	6.7	5.7	6.0	7.1	6.1	6.8	7.1	7.9
27	7.8	7.5	7.6	---	6.9	5.9	6.2	7.1	---	6.8	7.2	7.9
28	7.8	7.5	7.5	7.7	5.5	2.9	6.3	7.2	---	4.4	7.3	7.9
29	7.9	7.5	7.6	7.8	---	3.8	6.4	7.2	---	3.8	7.4	7.9
30	7.8	7.4	7.6	7.8	---	4.5	6.3	7.2	3.6	4.0	6.0	7.9
31	7.8	---	7.6	7.8	---	5.1	---	7.3	---	4.6	6.1	---
MEAN	---	---	7.5	---	7.4	---	---	6.8	---	5.1	6.4	7.6
MAX	---	---	7.7	---	8.0	---	---	7.3	---	6.8	7.4	7.9
MIN	---	---	7.3	---	5.2	---	---	5.3	---	3.5	4.4	6.5

352854082380502 BU-072 DENR Bent Creek Research Station MW-2I (Intermediate Zone Well)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	80	75	77	78	46	54	62	73	44	48	65
2	71	79	74	77	79	51	50	65	52	49	55	68
3	72	79	73	77	79	55	46	66	51	52	59	69
4	72	74	73	77	78	59	51	67	58	54	63	71
5	73	76	74	78	79	64	54	68	64	52	65	71
6	---	76	74	78	79	67	57	69	67	57	66	72
7	73	76	74	78	79	68	60	69	69	39	64	73
8	74	76	75	79	79	65	56	70	65	35	44	74
9	74	75	75	79	79	64	55	71	64	46	50	75
10	75	75	75	79	79	67	59	71	68	53	54	76
11	75	75	75	79	79	70	61	66	63	54	59	76
12	76	74	75	80	79	71	62	69	42	41	63	76
13	76	75	74	80	79	72	48	70	18	45	65	77
14	76	75	74	73	79	73	38	71	31	45	67	77
15	77	75	75	75	80	73	44	70	43	52	68	78
16	77	74	75	77	80	73	49	70	51	56	69	78
17	77	74	75	77	79	66	53	71	56	60	70	78
18	77	74	76	77	79	63	56	72	59	62	69	78
19	77	75	76	77	79	67	59	73	54	62	65	78
20	77	75	76	77	80	70	---	58	30	47	67	78
21	78	76	77	77	68	72	62	53	33	44	68	78
22	78	76	77	78	52	74	61	60	42	53	69	78
23	78	---	74	78	59	45	52	65	50	59	66	78
24	78	74	76	78	61	44	52	68	56	63	69	78
25	78	74	76	78	63	51	56	70	59	67	71	79
26	78	76	76	78	67	57	60	71	61	68	71	79
27	78	75	76	78	69	59	62	71	---	69	72	79
28	78	75	76	77	55	29	63	72	---	44	73	79
29	79	75	76	78	---	38	64	72	---	38	74	79
30	78	74	76	78	---	45	64	72	36	40	60	79
31	78	---	76	79	---	51	---	73	---	46	---	---
MEAN	---	---	75	78	74	60	---	68	---	51	---	76
MAX	---	---	77	80	80	74	---	73	---	69	---	79
MIN	---	---	73	73	52	29	---	53	---	35	---	65

GROUND-WATER LEVELS

90

BUNCOMBE COUNTY—Continued

352854082380503. County number, BU-073; DENR Bent Creek Research Station MW-2D (Bedrock 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.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 53 ft, open hole from 53 to 300 ft.

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

DATUM.--Land-surface datum is 2,190.15 ft above NGVD of 1929. Measuring point: Top of 2-inch steel riser casing, 9.55 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.91 ft above land-surface datum, Aug. 20, 2004; lowest water level recorded, 8.35 ft above land-surface datum, July 7, 2005.

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	---	---	---	---	---	---	---	---	---	---	---	-7.13	
2	---	---	---	---	---	---	---	---	---	---	---	-7.18	
3	---	---	---	---	---	---	---	---	---	---	---	-7.19	
4	---	---	---	---	---	---	---	---	---	---	---	-7.18	
5	---	---	---	---	---	---	---	---	---	---	---	-7.18	
6	---	---	---	---	---	---	---	---	---	---	---	-7.20	
7	---	---	---	---	---	---	---	---	---	---	---	-7.31	
8	---	---	---	---	---	---	---	---	---	---	---	-7.54	
9	---	---	---	---	---	---	---	---	---	---	---	-7.49	
10	---	---	---	---	---	---	---	---	---	---	---	-7.45	
11	---	---	---	---	---	---	---	---	---	---	---	-7.44	
12	---	---	---	---	---	---	---	---	---	---	---	-7.43	
13	---	---	---	---	---	---	---	---	---	---	---	-7.42	
14	---	---	---	---	---	---	---	---	---	---	---	-7.42	
15	---	---	---	---	---	---	---	---	---	---	---	-7.42	
16	---	---	---	---	---	---	---	---	---	---	---	-7.46	
17	---	---	---	---	---	---	---	---	---	---	---	-7.79	
18	---	---	---	---	---	---	---	---	---	---	---	-7.75	
19	---	---	---	---	---	---	---	---	---	---	---	-7.74	
20	---	---	---	---	---	---	---	---	---	---	---	-7.73	
21	---	---	---	---	---	---	---	---	---	---	-7.01	-7.73	
22	---	---	---	---	---	---	---	---	---	---	-7.02	-7.72	
23	---	---	---	---	---	---	---	---	---	---	-7.03	-7.72	
24	---	---	---	---	---	---	---	---	---	---	-7.04	-7.73	
25	---	---	---	---	---	---	---	---	---	---	-7.04	-7.73	
26	---	---	---	---	---	---	---	---	---	---	-7.05	-7.74	
27	---	---	---	---	---	---	---	---	---	---	-7.06	-7.77	
28	---	---	---	---	---	---	---	---	---	---	-7.07	-7.92	
29	---	---	---	---	---	---	---	---	---	---	-7.09	-7.91	
30	---	---	---	---	---	---	---	---	---	---	-7.13	-7.90	
31	---	---	---	---	---	---	---	---	---	---	-7.13	---	
WTR YR	2004	MEAN	-7.41	HIGH	-7.92	LOW	-7.01						

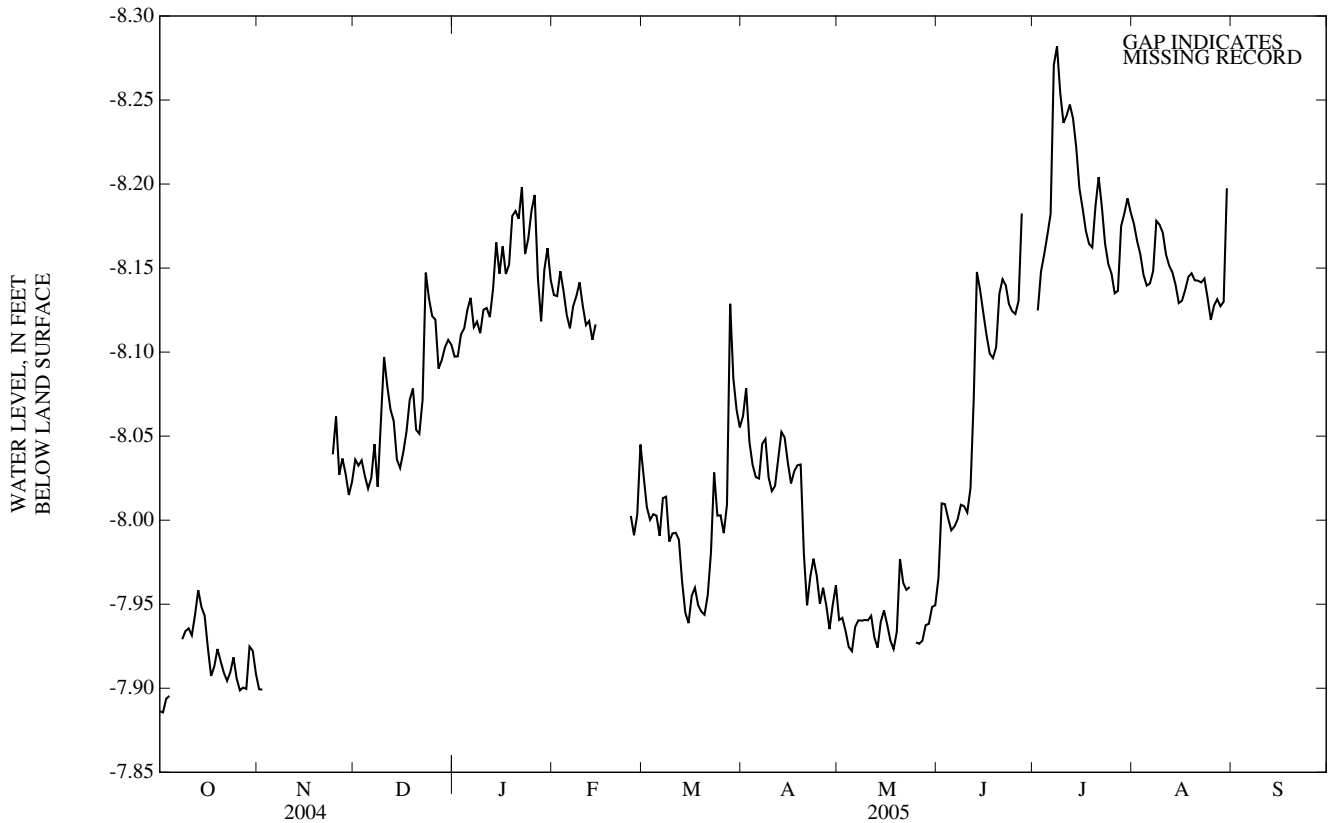
GROUND-WATER LEVELS
 BUNCOMBE COUNTY—Continued

352854082380503. County number, BU-073; DENR Bent Creek Research Station MW-2D (Bedrock 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	-7.89	-7.90	-8.04	-8.10	-8.13	-8.03	-8.06	-7.94	-7.97	---	-8.18	---
2	-7.89	-7.90	-8.03	-8.10	-8.13	-8.01	-8.08	-7.94	-8.01	-8.12	-8.17	---
3	-7.89	---	-8.04	-8.11	-8.15	-8.00	-8.05	-7.93	-8.01	-8.15	-8.16	---
4	-7.90	---	-8.03	-8.11	-8.14	-8.00	-8.03	-7.92	-8.00	-8.16	-8.15	---
5	---	---	-8.02	-8.13	-8.12	-8.00	-8.03	-7.92	-7.99	-8.17	-8.14	---
6	---	---	-8.03	-8.13	-8.11	-7.99	-8.02	-7.94	-8.00	-8.18	-8.14	---
7	---	---	-8.05	-8.11	-8.13	-8.01	-8.05	-7.94	-8.00	-8.27	-8.15	---
8	-7.93	---	-8.02	-8.12	-8.13	-8.01	-8.05	-7.94	-8.01	-8.28	-8.18	---
9	-7.93	---	-8.06	-8.11	-8.14	-7.99	-8.03	-7.94	-8.01	-8.25	-8.18	---
10	-7.94	---	-8.10	-8.13	-8.13	-7.99	-8.02	-7.94	-8.00	-8.24	-8.17	---
11	-7.93	---	-8.08	-8.13	-8.12	-7.99	-8.02	-7.94	-8.02	-8.24	-8.16	---
12	-7.94	---	-8.07	-8.12	-8.12	-7.99	-8.04	-7.93	-8.07	-8.25	-8.15	---
13	-7.96	---	-8.06	-8.14	-8.11	-7.96	-8.05	-7.92	-8.15	-8.24	-8.15	---
14	-7.95	---	-8.04	-8.17	-8.12	-7.95	-8.05	-7.94	-8.14	-8.22	-8.14	---
15	-7.94	---	-8.03	-8.15	---	-7.94	-8.03	-7.95	-8.12	-8.20	-8.13	---
16	-7.92	---	-8.04	-8.16	---	-7.96	-8.02	-7.94	-8.11	-8.19	-8.13	---
17	-7.91	---	-8.05	-8.15	---	-7.96	-8.03	-7.93	-8.10	-8.17	-8.14	---
18	-7.91	---	-8.07	-8.15	---	-7.95	-8.03	-7.92	-8.10	-8.16	-8.14	---
19	-7.92	---	-8.08	-8.18	---	-7.95	-8.03	-7.93	-8.10	-8.16	-8.15	---
20	-7.92	---	-8.05	-8.18	---	-7.94	-7.98	-7.98	-8.13	-8.19	-8.14	---
21	-7.91	---	-8.05	-8.18	---	-7.96	-7.95	-7.96	-8.14	-8.20	-8.14	---
22	-7.90	---	-8.07	-8.20	---	-7.98	-7.97	-7.96	-8.14	-8.19	-8.14	---
23	-7.91	---	-8.15	-8.16	---	-8.03	-7.98	-7.96	-8.13	-8.16	-8.14	---
24	-7.92	-8.04	-8.13	-8.17	---	-8.00	-7.97	---	-8.12	-8.15	-8.13	---
25	-7.91	-8.06	-8.12	-8.18	-8.00	-8.00	-7.95	-7.93	-8.12	-8.15	-8.12	---
26	-7.90	-8.03	-8.12	-8.19	-7.99	-7.99	-7.96	-7.93	-8.13	-8.13	-8.13	---
27	-7.90	-8.04	-8.09	-8.14	-8.00	-8.01	-7.95	-7.93	-8.18	-8.14	-8.13	---
28	-7.90	-8.03	-8.10	-8.12	-8.04	-8.13	-7.94	-7.94	---	-8.18	-8.13	---
29	-7.92	-8.02	-8.10	-8.15	---	-8.08	-7.95	-7.94	---	-8.18	-8.13	---
30	-7.92	-8.02	-8.11	-8.16	---	-8.07	-7.96	-7.95	---	-8.19	-8.20	---
31	-7.91	---	-8.10	-8.14	---	-8.06	---	-7.95	---	-8.18	---	---

WTR YR 2005 MEAN -8.06 HIGH -8.28 LOW -7.89



352854082380503 BU-073 DENR Bent Creek Research Station MW-2D (Bedrock Well)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
2	---	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
3	---	---	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
4	---	---	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
5	---	---	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
6	---	---	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
7	13.1	---	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---
8	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	13.0	---
9	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	13.0	---
10	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	13.0	---
11	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	13.0	---
12	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	13.0	---
13	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	---	---
14	13.1	---	13.1	13.1	13.1	13.1	---	---	13.0	13.0	---	---
15	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
16	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
17	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
18	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
19	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
20	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
21	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
22	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
23	13.1	---	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
24	13.1	13.1	13.1	13.1	---	13.1	---	---	13.0	13.0	---	---
25	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---	---
26	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	13.0	13.0	---	---
27	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	---	13.0	---	---
28	13.1	13.1	13.1	13.1	13.1	13.1	---	13.0	---	13.0	---	---
29	13.1	13.1	13.1	13.1	---	13.1	---	13.0	---	13.0	---	---
30	13.1	13.1	13.1	13.1	---	13.1	---	13.0	---	13.0	---	---
31	13.1	---	13.1	13.1	---	13.1	---	13.0	---	13.0	---	---
MEAN	---	---	13.1	13.1	---	13.1	---	---	---	13.0	---	---
MAX	---	---	13.1	13.1	---	13.1	---	---	---	13.0	---	---
MIN	---	---	13.1	13.1	---	13.1	---	---	---	13.0	---	---

BUNCOMBE COUNTY—Continued

352856082381201. County number, BU-074; DENR Bent Creek Research Station MW-3S (Regolith well).

LOCATION.--Lat 35°28'57", long 82°38'12", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 to 30 ft, sand filter packed from 13 to 25 ft, natural fill from 25 to 30 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,210.12 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.82 ft above land-surface datum.

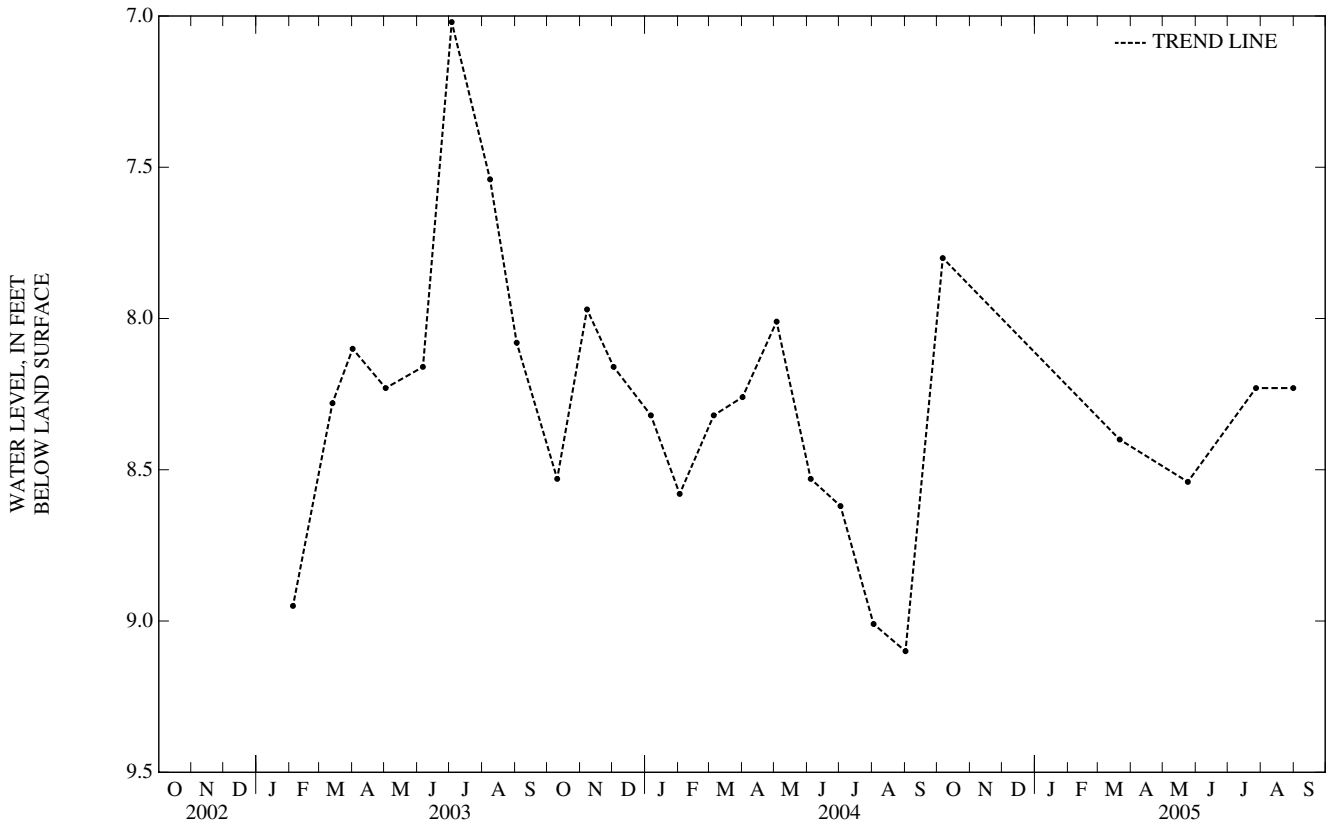
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.02 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.10 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	7.80	MAR 21	8.40	MAY 24	8.54	JUL 27	8.23	AUG 31	8.23



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352856082381202. County number, BU-075; DENR Bent Creek Research Station MW-3I (Transition Zone well).

LOCATION.--Lat 35°28'57", long 82°38'12", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 50 ft, diameter 4 in., cased to 35 ft, screened interval from 35 to 50 ft, sand filter packed from 33 to 50 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,209.45 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.06 ft above land-surface datum.

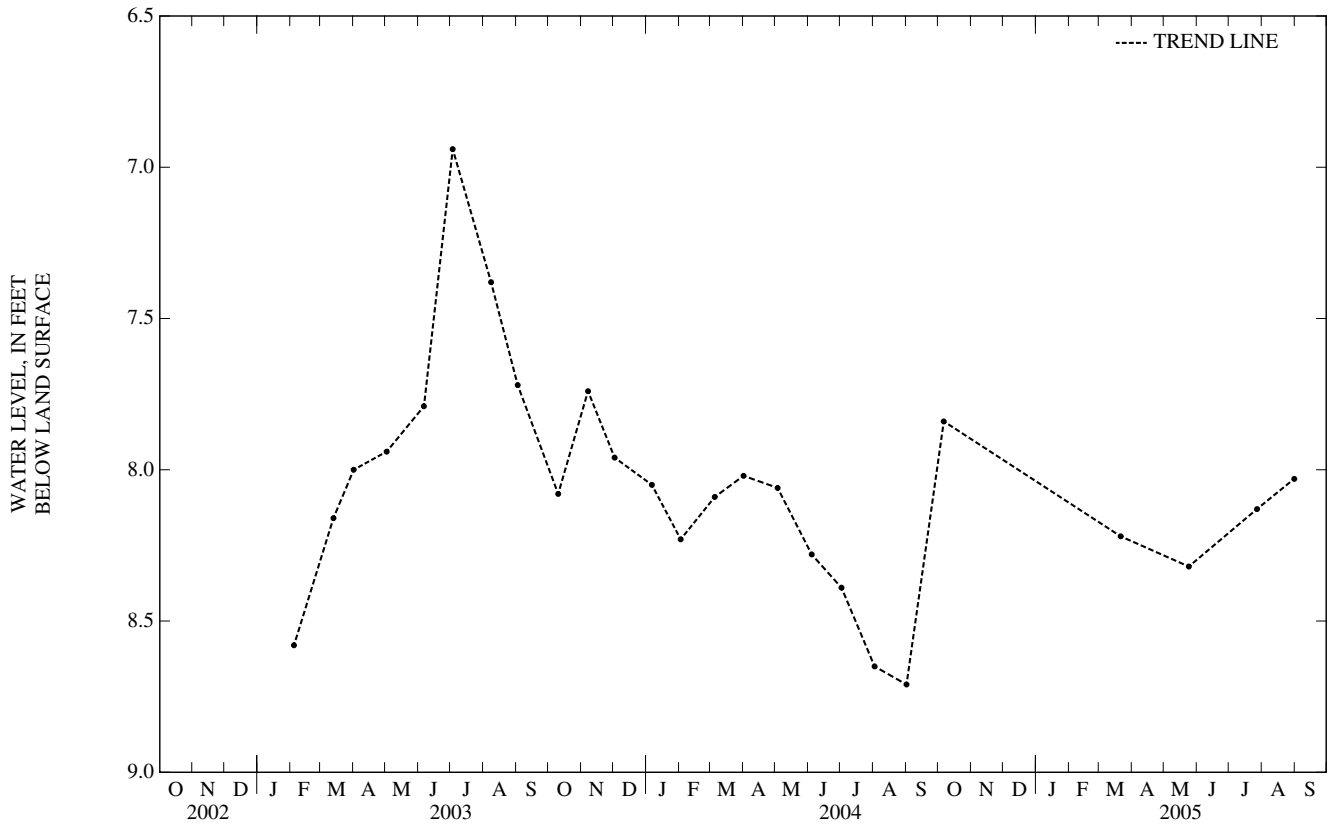
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.94 ft below land-surface datum, July 3, 2003; lowest water level measured, 8.71 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	7.84	MAR 21	8.22	MAY 24	8.32	JUL 27	8.13	AUG 31	8.03



BUNCOMBE COUNTY—Continued

352856082381203. County number, BU-076; DENR Bent Creek Research Station MW-3D (Bedrock well).

LOCATION.--Lat 35°28'57", long 82°38'12", 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.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 61 ft, open hole from 61 to 300 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,209.07 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.74 ft above land-surface datum.

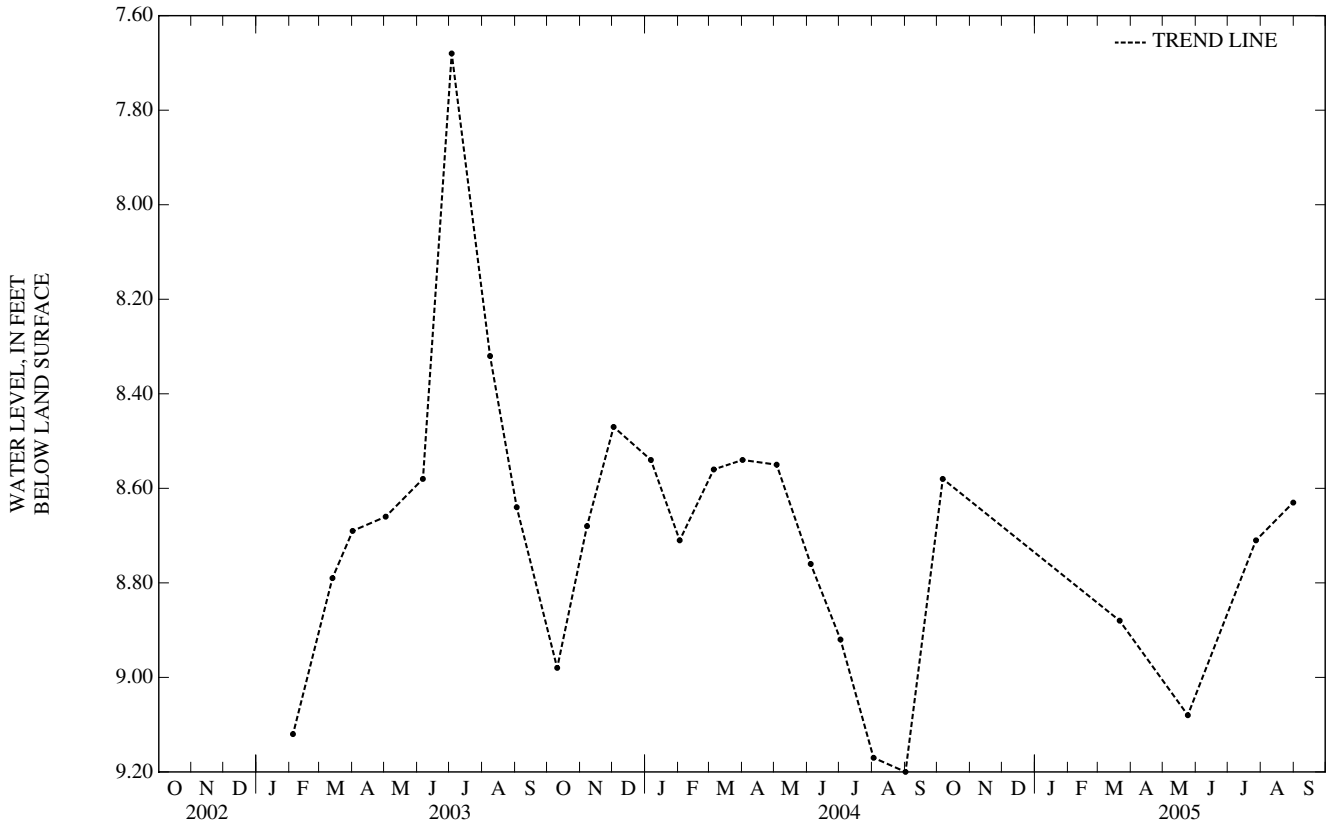
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.68 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.20 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	8.58	MAR 21	8.88	MAY 24	9.08	JUL 27	8.71	AUG 31	8.63



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352808082382601. County number, BU-077; DENR Bent Creek Research Station MW-4S (Regolith well).

LOCATION.--Lat 35°28'08", long 82°38'27", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 4 in., cased to 7 ft, screened interval from 7 to 22 ft, sand filter packed from 5 to 22 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,259.66 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.12 ft above land-surface datum.

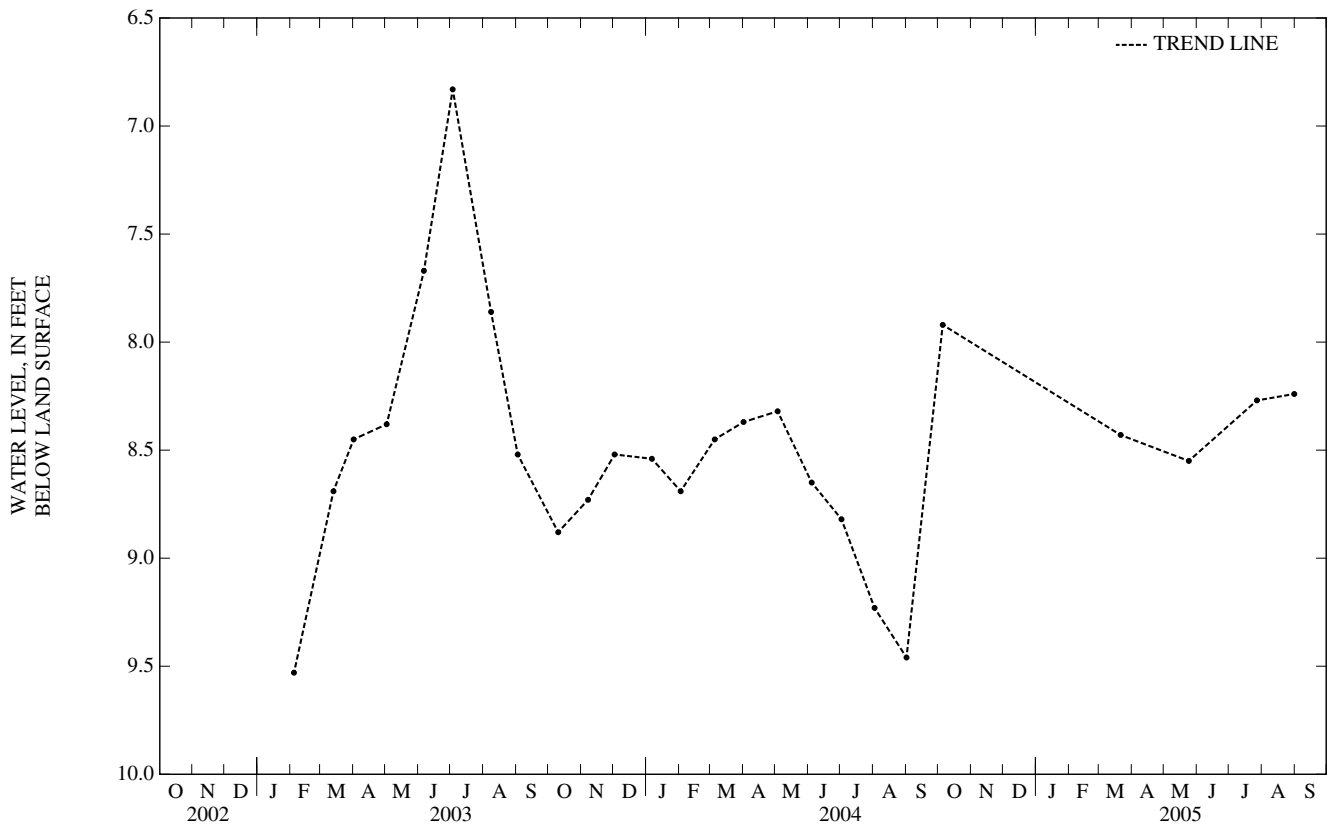
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.83 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.53 ft below land-surface datum, Feb. 4, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.92	MAR 21	8.43	MAY 24	8.55	JUL 27	8.27	AUG 31	8.24



BUNCOMBE COUNTY—Continued

352808082382602. County number, BU-078; DENR Bent Creek Research Station MW-4I (Transition Zone well).

LOCATION.--Lat 35°28'08", long 82°38'26", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 41 ft, diameter 4 in., cased to 26 ft, screened interval from 26 to 41 ft, sand filter packed from 24 to 41 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,258.80 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.02 ft above land-surface datum.

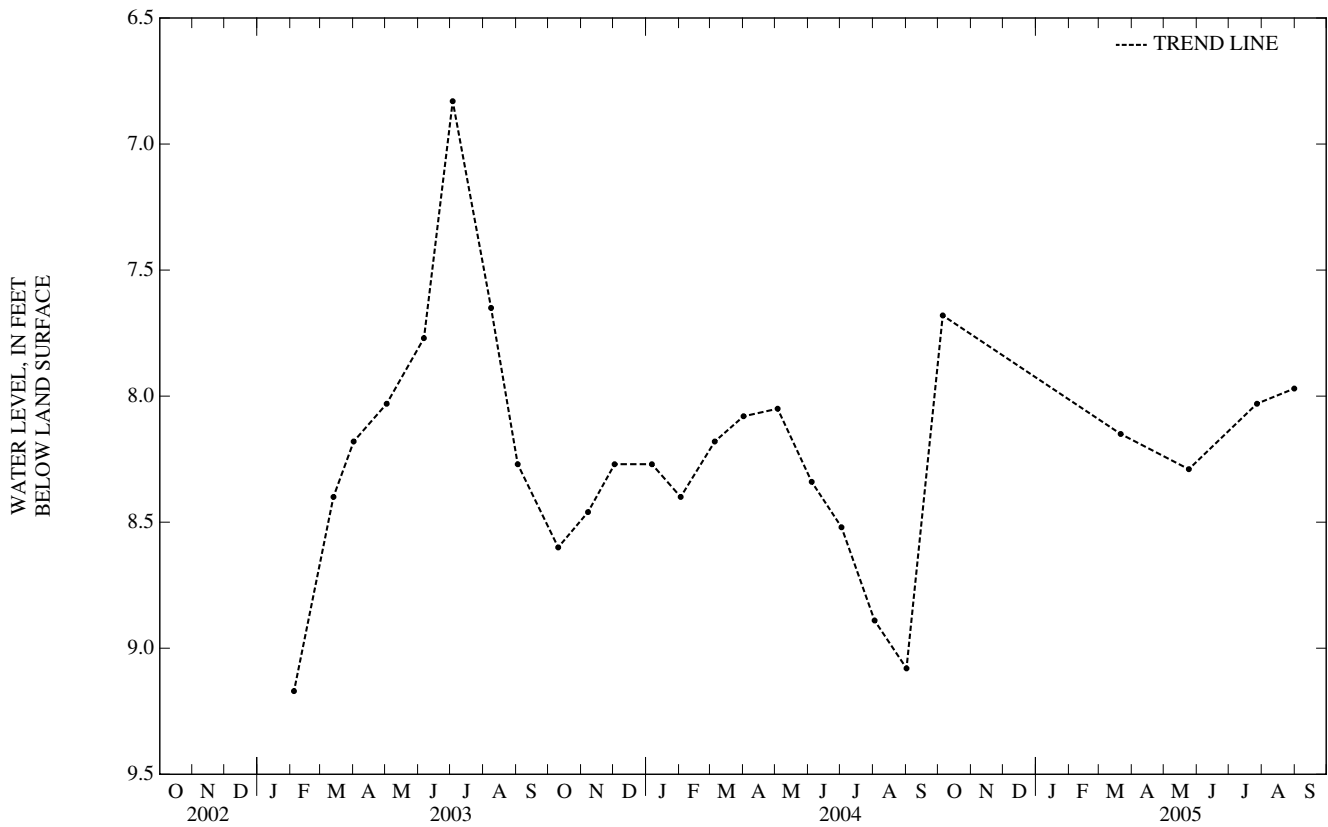
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.83 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.17 ft below land-surface datum, Feb. 4, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.68	MAR 21	8.15	MAY 24	8.29	JUL 27	8.03	AUG 31	7.97



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352808082382603. County number, BU-079; DENR Bent Creek Research Station MW-4D (Bedrock well).

LOCATION.--Lat 35°28'08", long 82°38'26", 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.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 501 ft, diameter 6 in., cased to 61 ft, open hole from 61 to 501 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,258.53 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.02 ft above land-surface datum.

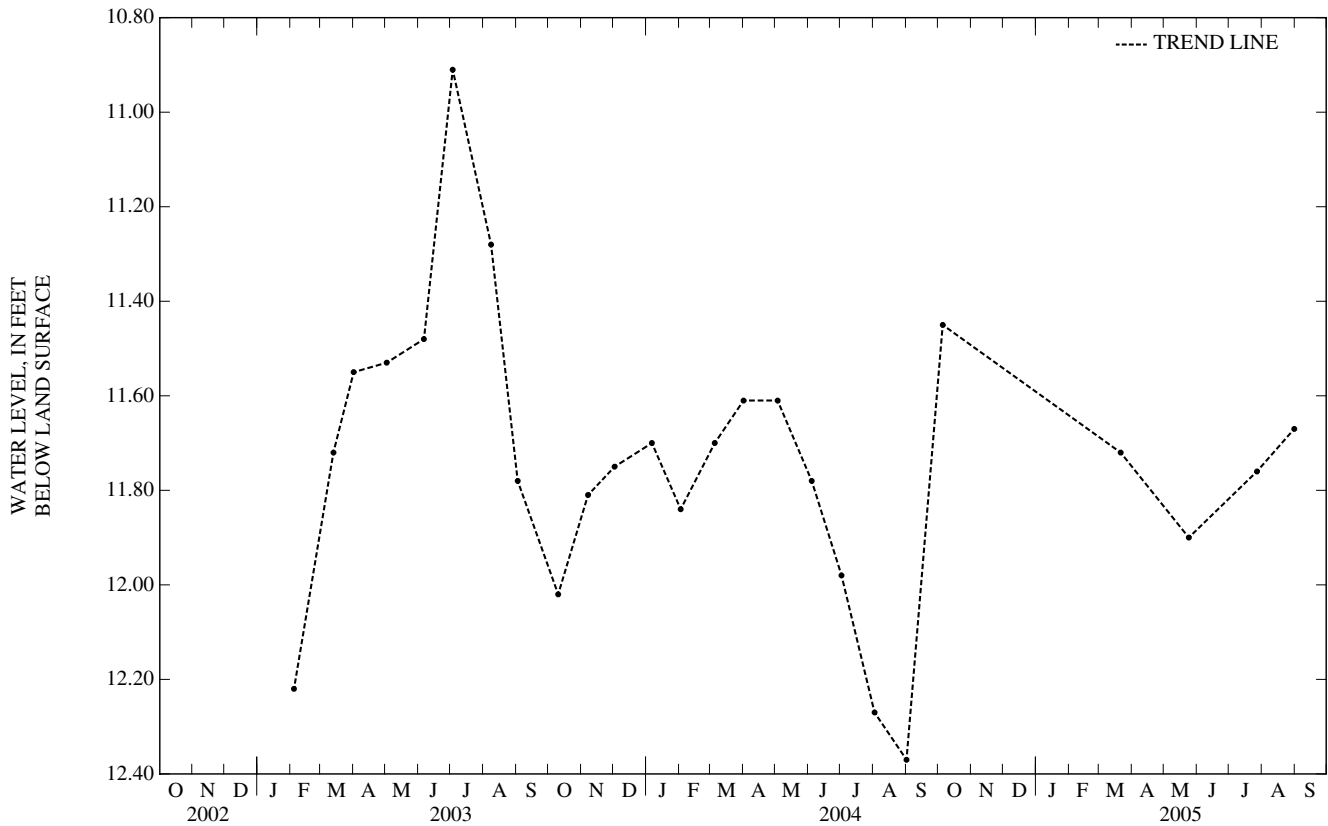
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land-surface datum, July 3, 2003; lowest water level measured, 12.37 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	11.45	MAR 21	11.72	MAY 24	11.90	JUL 27	11.76	AUG 31	11.67



BUNCOMBE COUNTY—Continued

352810082383501. County number, BU-080; DENR Bent Creek Research Station MW-5S (Regolith well).

LOCATION.--Lat 35°28'10", long 82°38'35", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, diameter 4 in., cased to 9 ft, screened interval from 9 to 24 ft, sand filter packed from 7 to 9 ft, natural fill from 9 to 24 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,299.99 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.01 ft above land-surface datum.

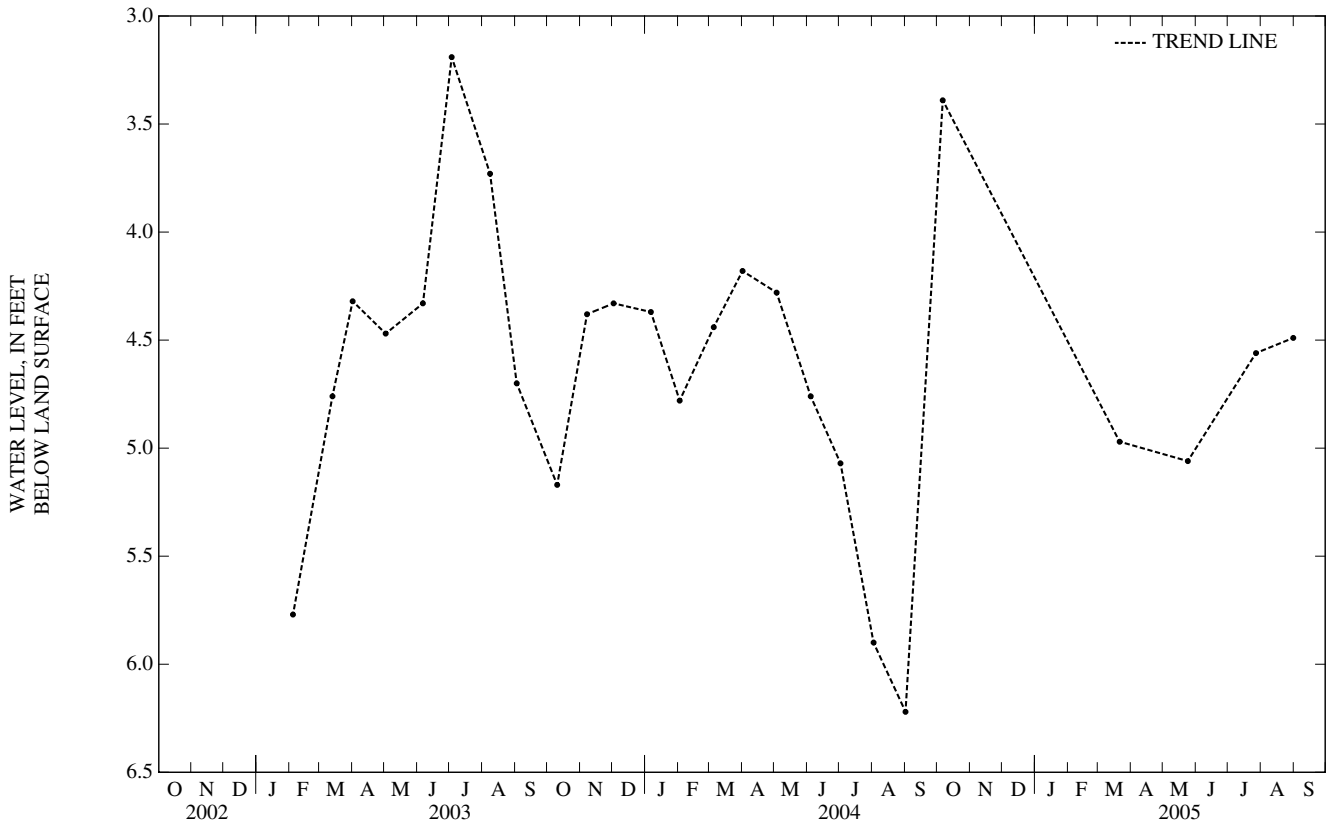
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.19 ft below land-surface datum, July 3, 2003; lowest water level measured, 6.22 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	3.39	MAR 21	4.97	MAY 24	5.06	JUL 27	4.56	AUG 31	4.49



GROUND-WATER LEVELS
 BUNCOMBE COUNTY—Continued

352810082383502. County number, BU-081; DENR Bent Creek Research Station MW-5I (Transition Zone well).

LOCATION.--Lat 35°28'11", long 82°38'35", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 47 ft, diameter 4 in., cased to 32 ft, screened interval from 32 to 47 ft, sand filter packed from 28 to 47 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,302.19 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.70 ft above land-surface datum.

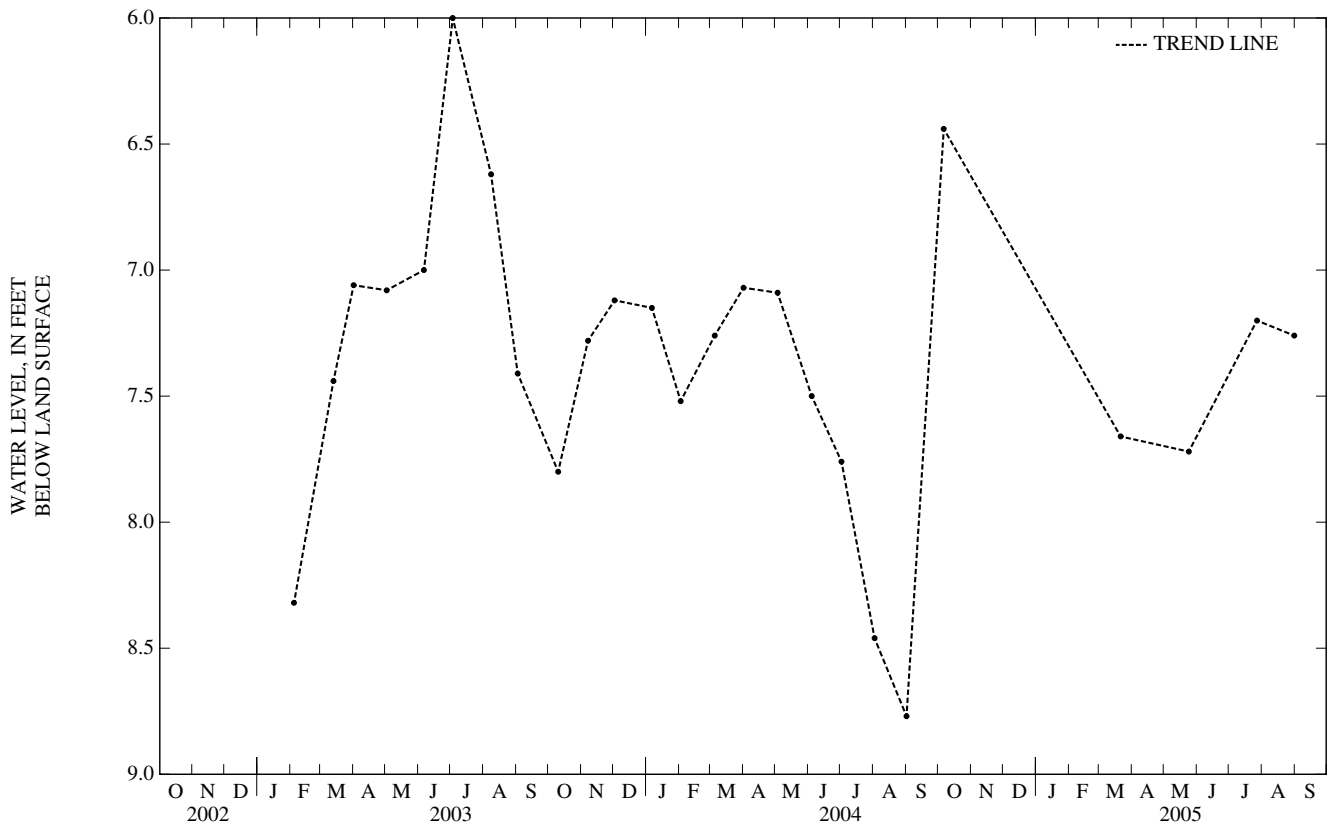
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.00 ft below land-surface datum, July 3, 2003; lowest water level measured, 8.77 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	6.44	MAR 21	7.66	MAY 24	7.72	JUL 27	7.20	AUG 31	7.26



BUNCOMBE COUNTY—Continued

352810082383503. County number, BU-082; DENR Bent Creek Research Station MW-5D (Bedrock well).

LOCATION.--Lat 35°28'10", long 82°38'35", 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.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 62 ft, open hole from 62 to 300 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,304.84 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.58 ft above land-surface datum.

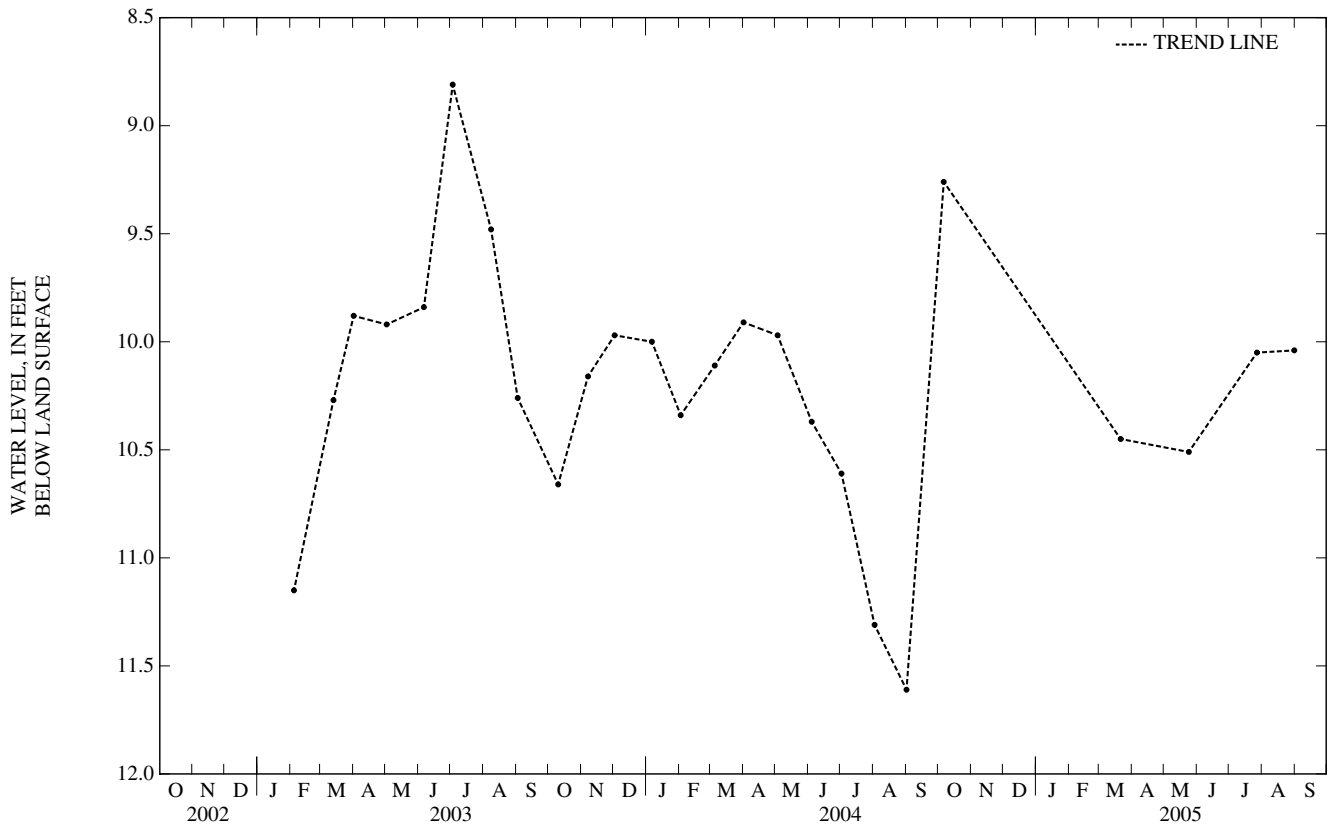
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.81 ft below land-surface datum, July 3, 2003; lowest water level measured 11.61 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	9.26	MAR 21	10.45	MAY 24	10.51	JUL 27	10.05	AUG 31	10.04



BUNCOMBE COUNTY—Continued

352827082383901. County number, BU-083; DENR Bent Creek Research Station MW-7S (Regolith well).

LOCATION.--Lat 35°29'27", long 82°38'39", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 25 ft, diameter 4 in., cased to 10 ft, screened interval from 10 to 25 ft, sand filter packed from 8 to 25 ft.

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

DATUM.--Land-surface datum is 2,368.23 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.96 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 June 2005.

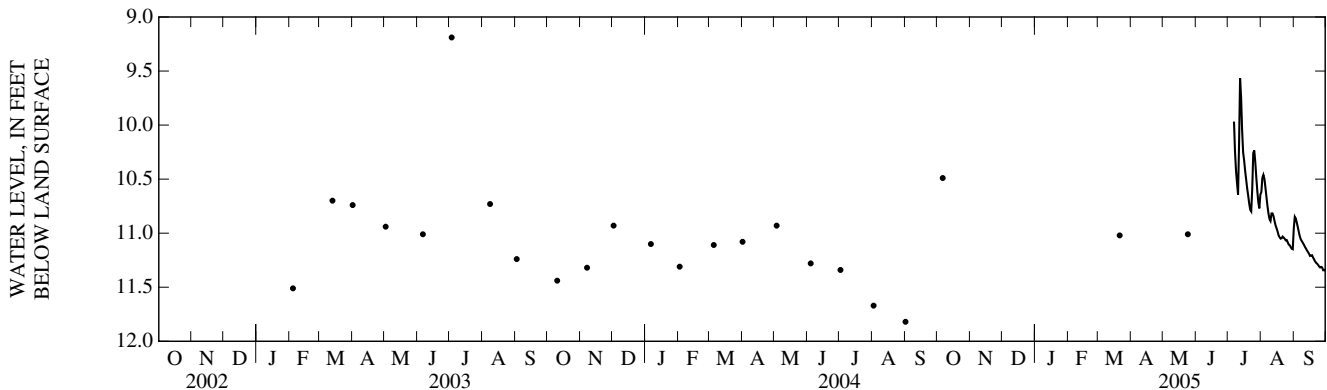
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.19 ft below land-surface datum, July 3, 2003, highest water level recorded, 9.19 ft below land-surface datum, June 29, 2005; lowest water level measured 11.82 ft below land-surface datum, Sept. 1, 2004.

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	---	---	---	---	---	---	---	---	---	9.64	10.51	10.87
2	---	---	---	---	---	---	---	---	---	10.0	10.59	10.91
3	---	---	---	---	---	---	---	---	---	10.27	10.68	10.95
4	---	---	---	---	---	---	---	---	---	10.44	10.76	11.00
5	---	---	---	---	---	---	---	---	---	10.56	10.83	11.04
6	---	---	---	---	---	---	---	---	---	10.66	10.88	11.07
7	---	---	---	---	---	---	---	---	---	10.20	10.90	11.08
8	---	---	---	---	---	---	---	---	---	9.60	10.83	11.10
9	---	---	---	---	---	---	---	---	---	9.78	10.83	11.11
10	10.49*	---	---	---	---	---	---	---	---	10.07	10.85	11.13
11	---	---	---	---	---	---	---	---	---	10.28	10.90	11.15
12	---	---	---	---	---	---	---	---	---	10.35	10.94	11.16
13	---	---	---	---	---	---	---	---	---	10.44	10.96	11.18
14	---	---	---	---	---	---	---	---	---	10.52	10.99	11.19
15	---	---	---	---	---	---	---	---	---	10.60	11.03	11.21
16	---	---	---	---	---	---	---	---	---	10.67	11.04	11.21
17	---	---	---	---	---	---	---	---	---	10.74	11.06	11.21
18	---	---	---	---	---	---	---	---	---	10.79	11.05	11.23
19	---	---	---	---	---	---	---	---	---	10.81	11.04	11.24
20	---	---	---	---	---	---	---	---	---	10.61	11.05	11.26
21	---	---	---	---	---	11.02*	---	---	---	10.28	11.06	11.28
22	---	---	---	---	---	---	---	---	---	10.26	11.07	11.28
23	---	---	---	---	---	---	---	11.01*	---	10.36	11.07	11.30
24	---	---	---	---	---	---	---	---	---	10.50	11.09	11.31
25	---	---	---	---	---	---	---	---	---	10.62	11.11	11.32
26	---	---	---	---	---	---	---	---	---	10.73	11.12	11.31
27	---	---	---	---	---	---	---	---	---	10.78	11.13	11.32
28	---	---	---	---	---	---	---	---	---	10.66	11.15	11.34
29	---	---	---	---	---	---	---	---	---	10.63	11.15	11.34
30	---	---	---	---	---	---	---	---	9.33	10.51	10.96	11.35
31	---	---	---	---	---	---	---	---	---	10.48	10.86	---

WTR YR 2005 MEAN 10.83 HIGH 9.33 LOW 11.35

*Periodic water-level measurements with electric tape.



BUNCOMBE COUNTY—Continued

352827082383902. County number, BU-084; DENR Bent Creek Research Station MW-7I (Transition Zone well).

LOCATION.--Lat 35°28'27", long 82°38'39", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 50 ft, diameter 4 in., cased to 30 ft, screened interval from 30 to 50 ft, sand filter packed from 27 to 45 ft, natural fill from 45 to 50 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,369.04 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.91 ft above land-surface datum.

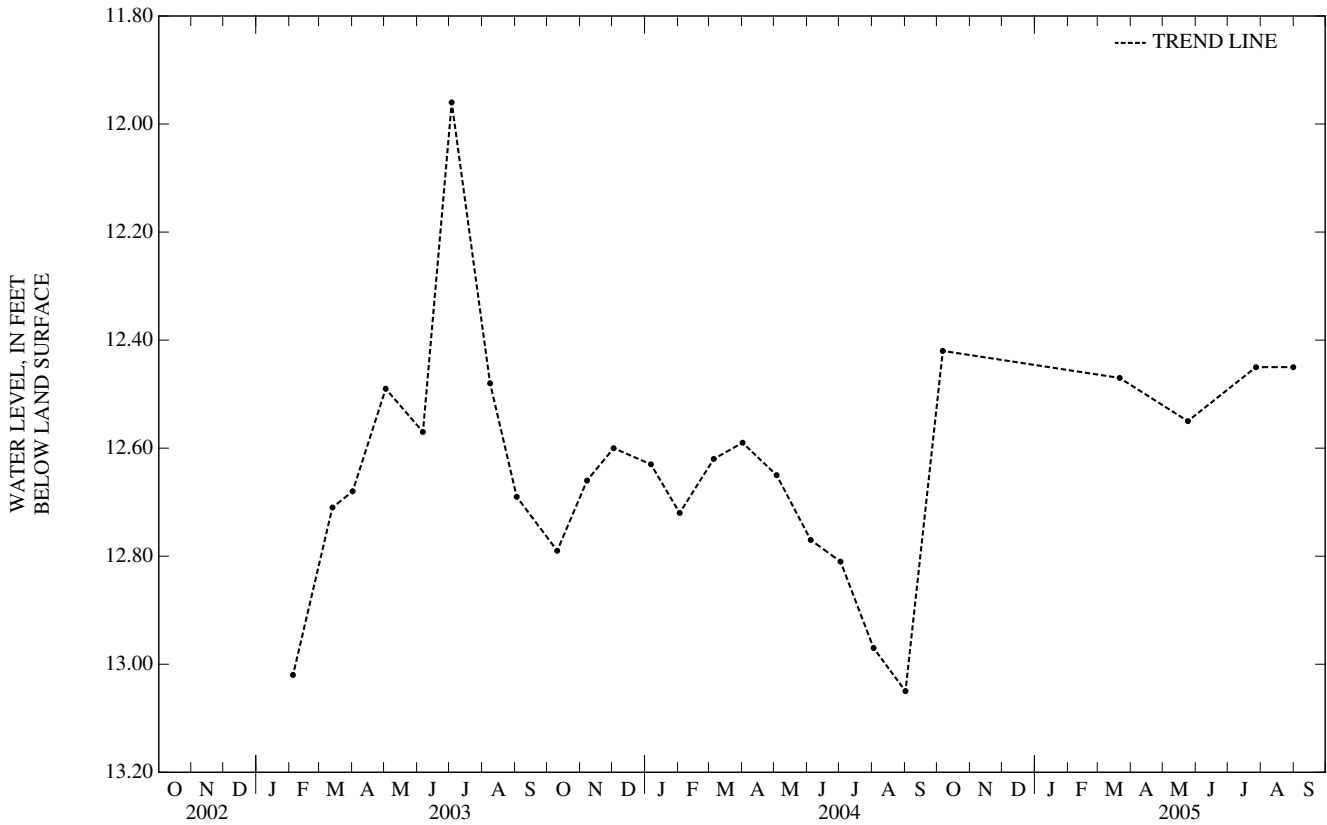
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.96 ft below land-surface datum, July 3, 2003; lowest water level measured, 13.05 ft below land-surface datum, Sept. 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	12.42	MAR 21	12.47	MAY 24	12.55	JUL 27	12.45	AUG 31	12.45



BUNCOMBE COUNTY—Continued

352827082383903. County number, BU-085; DENR Bent Creek Research Station MW-7D (Bedrock well).

LOCATION.--Lat 35°29'27", long 82°38'39", 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.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 285 ft, diameter 6 in., cased to 62 ft, open hole from 62 to 285 ft.

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

DATUM.--Land-surface datum is 2,369.88 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.93 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 2005.

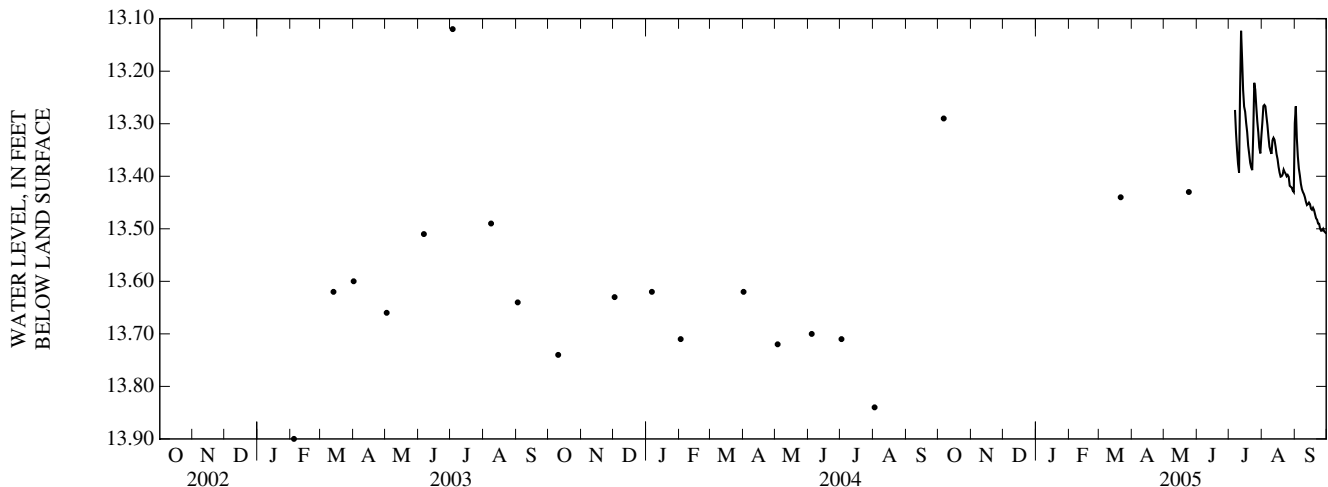
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.11 ft below land-surface datum, July 8, 2005; lowest water level measured 13.90 ft below land-surface datum, Feb. 4, 2003.

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	---	---	---	---	---	---	---	---	---	---	13.27	13.33
2	---	---	---	---	---	---	---	---	---	13.27	13.29	13.36
3	---	---	---	---	---	---	---	---	---	13.32	13.30	13.38
4	---	---	---	---	---	---	---	---	---	13.35	13.32	13.40
5	---	---	---	---	---	---	---	---	---	13.38	13.34	13.41
6	13.29*	---	---	---	---	---	---	---	---	13.39	13.35	13.42
7	---	---	---	---	---	---	---	---	---	13.24	13.36	13.43
8	---	---	---	---	---	---	---	---	---	13.12	13.33	13.43
9	---	---	---	---	---	---	---	---	---	13.18	13.33	13.44
10	---	---	---	---	---	---	---	---	---	13.24	13.33	13.45
11	---	---	---	---	---	---	---	---	---	13.27	13.34	13.45
12	---	---	---	---	---	---	---	---	---	13.28	13.36	13.45
13	---	---	---	---	---	---	---	---	---	13.30	13.37	13.45
14	---	---	---	---	---	---	---	---	---	13.32	13.38	13.45
15	---	---	---	---	---	---	---	---	---	13.34	13.39	13.46
16	---	---	---	---	---	---	---	---	---	13.36	13.40	13.46
17	---	---	---	---	---	---	---	---	---	13.37	13.40	13.46
18	---	---	---	---	---	---	---	---	---	13.38	13.40	13.46
19	---	---	---	---	---	---	---	---	---	13.39	13.39	13.47
20	---	---	---	---	---	---	---	---	---	13.32	13.39	13.48
21	---	---	---	---	---	13.44*	---	---	---	13.22	13.40	13.48
22	---	---	---	---	---	---	---	---	---	13.24	13.40	13.49
23	---	---	---	---	---	---	---	---	---	13.27	13.40	13.49
24	---	---	---	---	---	---	---	13.43*	---	13.30	13.40	13.50
25	---	---	---	---	---	---	---	---	---	13.32	13.42	13.50
26	---	---	---	---	---	---	---	---	---	13.35	13.42	13.50
27	---	---	---	---	---	---	---	---	---	13.36	13.42	13.50
28	---	---	---	---	---	---	---	---	---	13.32	13.43	13.50
29	---	---	---	---	---	---	---	---	---	13.30	13.43	13.51
30	---	---	---	---	---	---	---	---	---	13.27	13.30	13.51
31	---	---	---	---	---	---	---	---	---	13.26	13.27	---

WTR YR 2005 MEAN 13.37 HIGH 13.12 LOW 13.51

*Periodic water-level measurements with electric tape.



BUNCOMBE COUNTY—Continued

352909082382801. County number, BU-086; DENR Bent Creek Research Station PZ-1S.

LOCATION.--Lat 35°29'09", long 82°38'28", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 17 ft, diameter 2 in., cased to 12 ft, screened interval from 12 to 17 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,260.35 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.86 ft above land-surface datum.

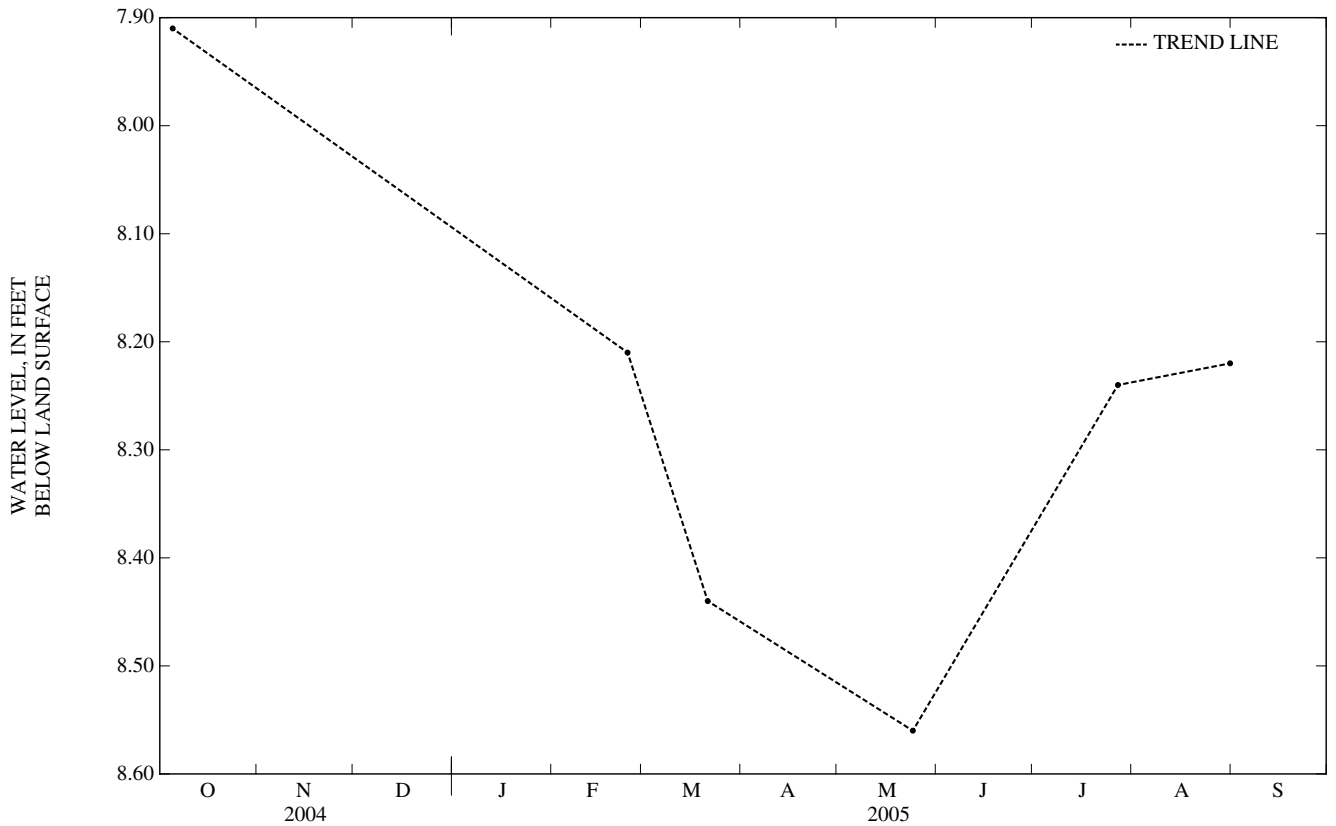
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.91 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 8.56 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.91	FEB 24	8.21	MAR 21	8.44	MAY 24	8.56	JUL 27	8.24	AUG 31	8.22



GROUND-WATER LEVELS
 BUNCOMBE COUNTY—Continued

352909082382802. County number, BU-087; DENR Bent Creek Research Station PZ-1I.

LOCATION.--Lat 35°29'09", long 82°38'28", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 2 in., cased to 25 ft, screened interval from 25 to 30 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,260.02 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.81 ft above land-surface datum.

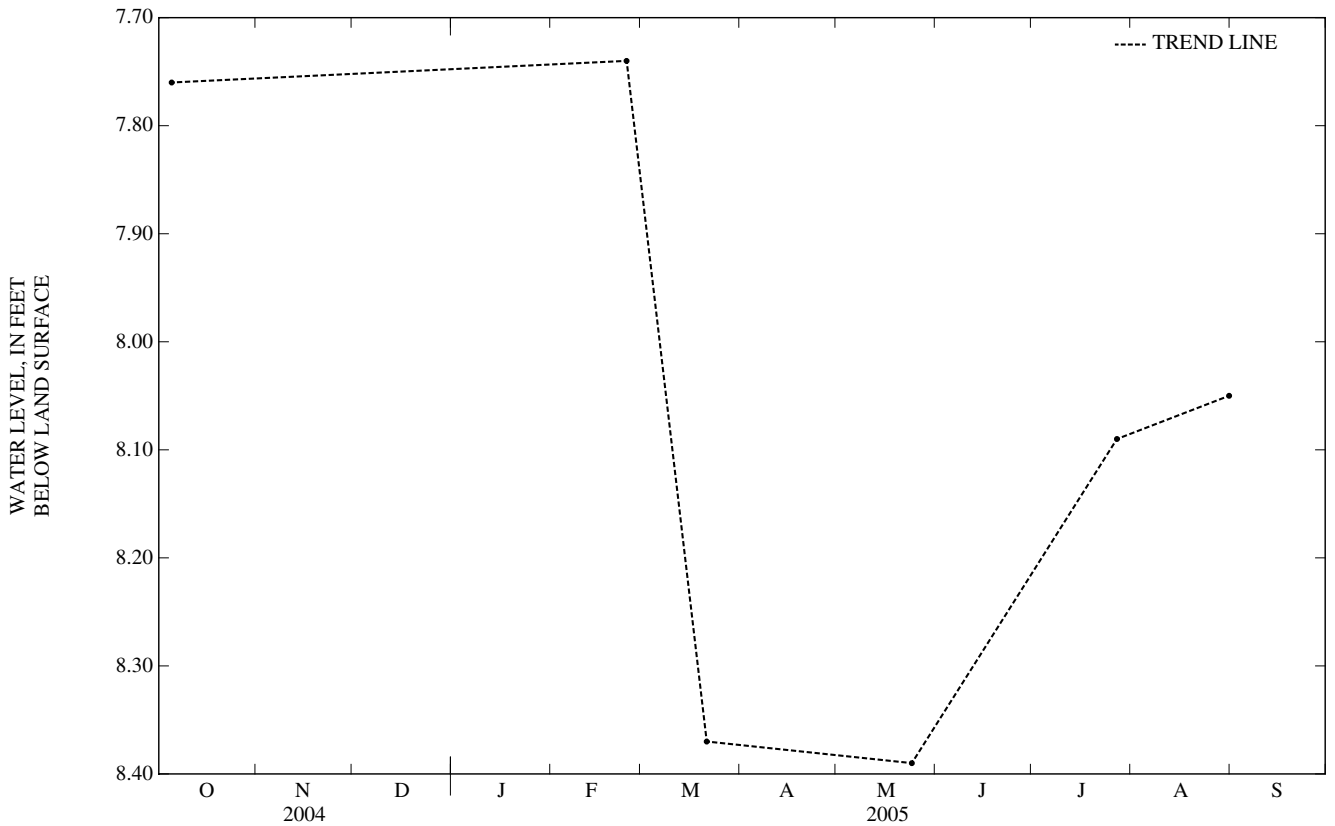
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.74 ft below land-surface datum, Feb. 24, 2005; lowest water level measured, 8.39 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.76	FEB 24	7.74	MAR 21	8.37	MAY 24	8.39	JUL 27	8.09	AUG 31	8.05



BUNCOMBE COUNTY—Continued

352907082382501. County number, BU-088; DENR Bent Creek Research Station PZ-2S.

LOCATION.--Lat 35°29'07", long 82°38'25", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 2 in., cased to 17 ft, screened interval from 17 to 22 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,252.11 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.90 ft above land-surface datum.

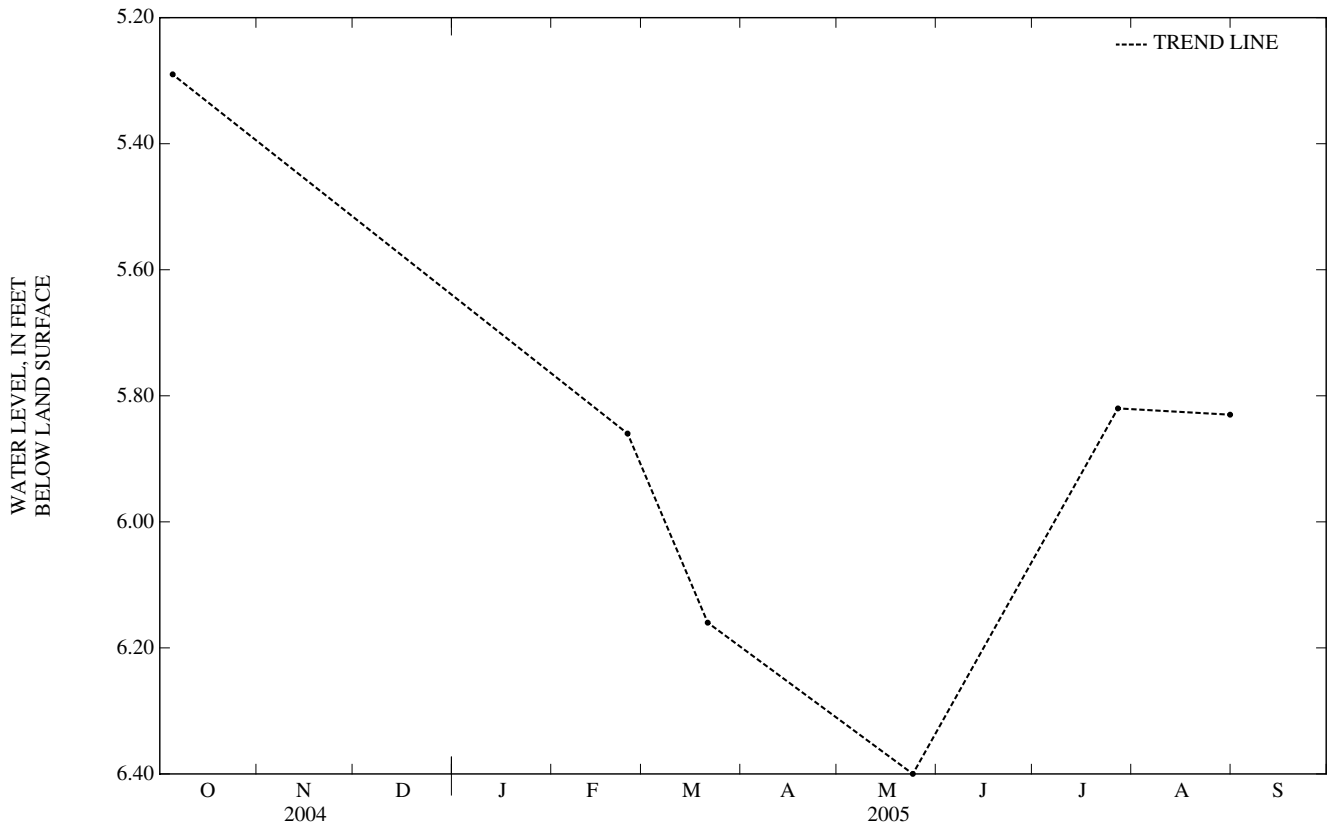
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.29 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 6.40 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	5.29	FEB 24	5.86	MAR 21	6.16	MAY 24	6.40	JUL 27	5.82	AUG 31	5.83



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352907082382502. County number, BU-089; DENR Bent Creek Research Station PZ-2I.

LOCATION.--Lat 35°29'07", long 82°38'25", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 59 ft, diameter 2 in., cased to 54 ft, screened interval from 54 to 59 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,251.85 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.10 ft above land-surface datum.

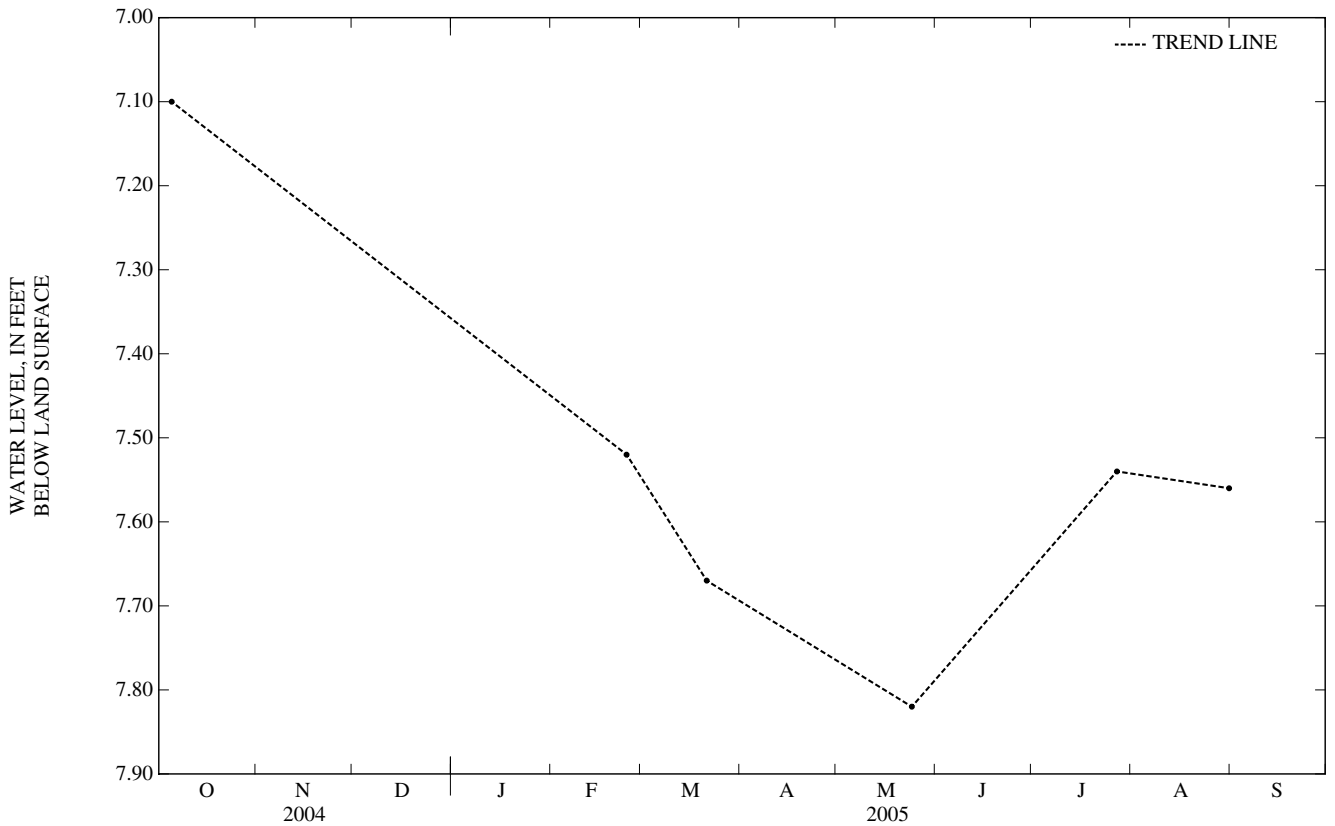
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 7.82 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.10	FEB 24	7.52	MAR 21	7.67	MAY 24	7.82	JUL 27	7.54	AUG 31	7.56



BUNCOMBE COUNTY—Continued

352907082382401. County number, BU-090; DENR Bent Creek Research Station PZ-3S.

LOCATION.--Lat 35°29'07", long 82°38'24", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 2 in., cased to 17 ft, screened interval from 17 to 22 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,251.40 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.88 ft above land-surface datum.

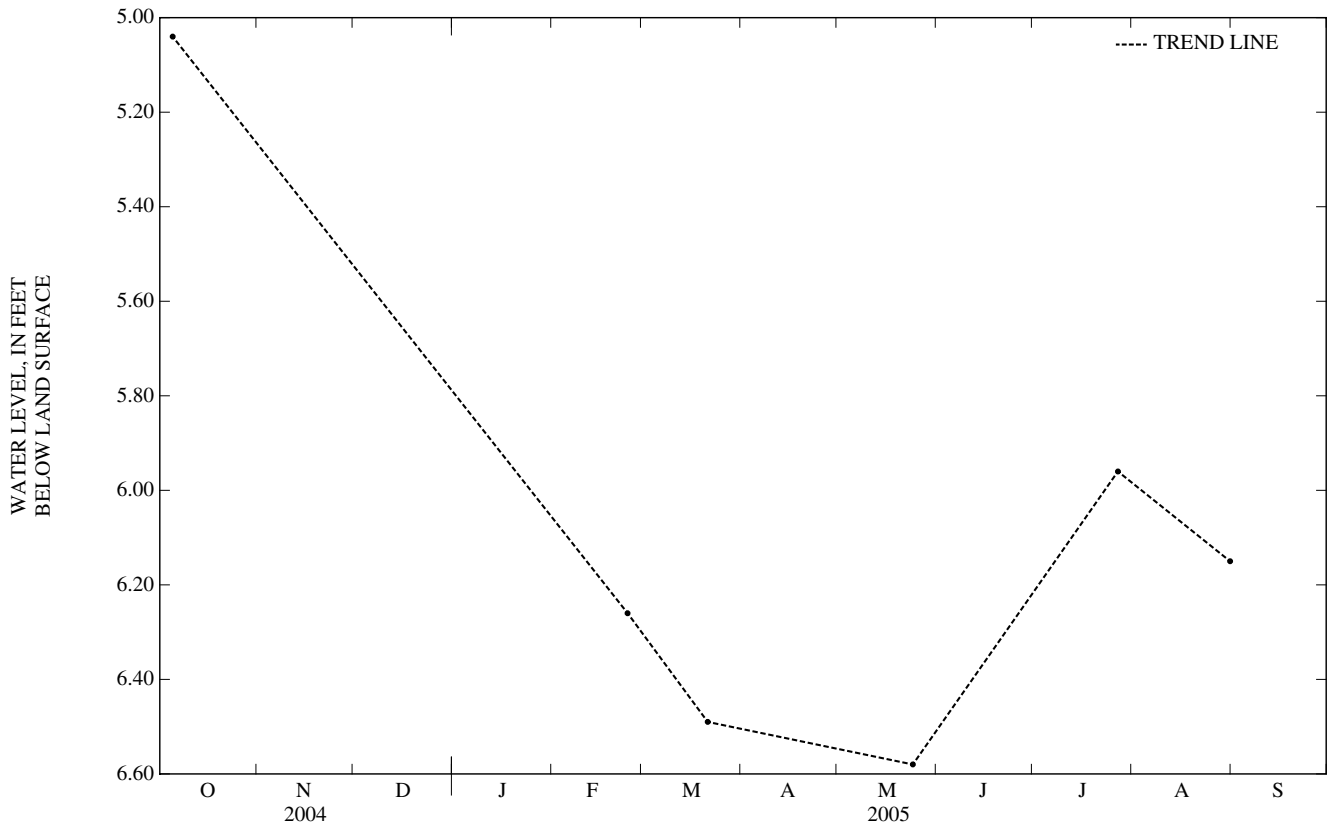
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.04 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 6.58 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	5.04	FEB 24	6.26	MAR 21	6.49	MAY 24	6.58	JUL 27	5.96	AUG 31	6.15



GROUND-WATER LEVELS
 BUNCOMBE COUNTY—Continued

352904082382001. County number, BU-091; DENR Bent Creek Research Station PZ-4S.

LOCATION.--Lat 35°29'04", long 82°38'20", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 17 ft, diameter 2 in., cased to 12 ft, screened interval from 12 to 17 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,232.28 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.99 ft above land-surface datum.

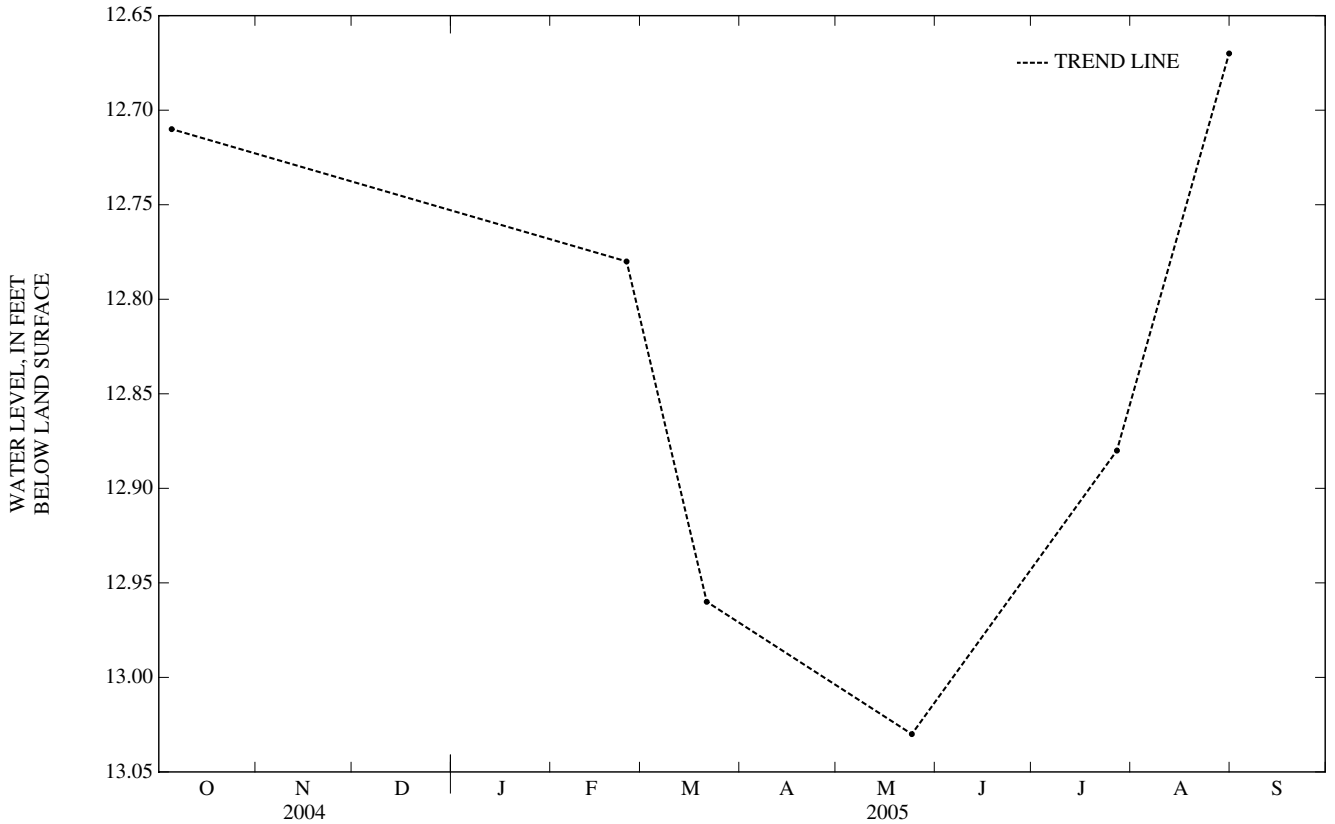
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.67 ft below land-surface datum, Aug. 31, 2005; lowest water level measured, 13.03 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	12.71	FEB 24	12.78	MAR 21	12.96	MAY 24	13.03	JUL 27	12.88	AUG 31	12.67



BUNCOMBE COUNTY—Continued

352904082382002. County number, BU-092; DENR Bent Creek Research Station PZ-4I.

LOCATION.--Lat 35°29'04", long 82°38'20", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 2 in., cased to 25 ft, screened interval from 25 to 30 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,231.88 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.90 ft above land-surface datum.

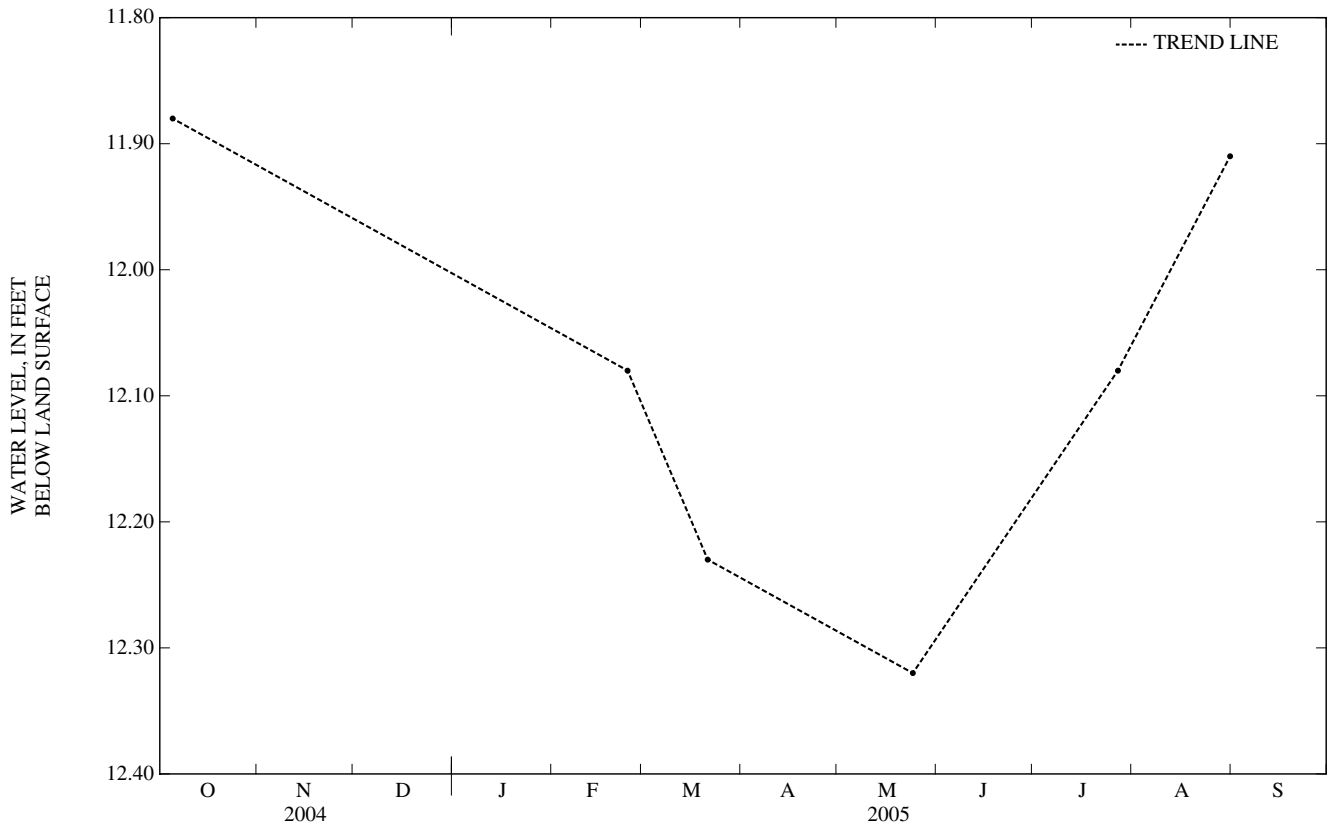
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.67 ft below land-surface datum, Aug. 31, 2005; lowest water level measured, 13.03 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	11.88	FEB 24	12.08	MAR 21	12.23	MAY 24	12.32	JUL 27	12.08	AUG 31	11.91



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352908082382701. County number, BU-093; DENR Bent Creek Research Station PZ-5S.

LOCATION.--Lat 35°29'08", long 82°38'27", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 17 ft, diameter 2 in., cased to 12 ft, screened interval from 12 to 17 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,257.14 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.72 ft above land-surface datum.

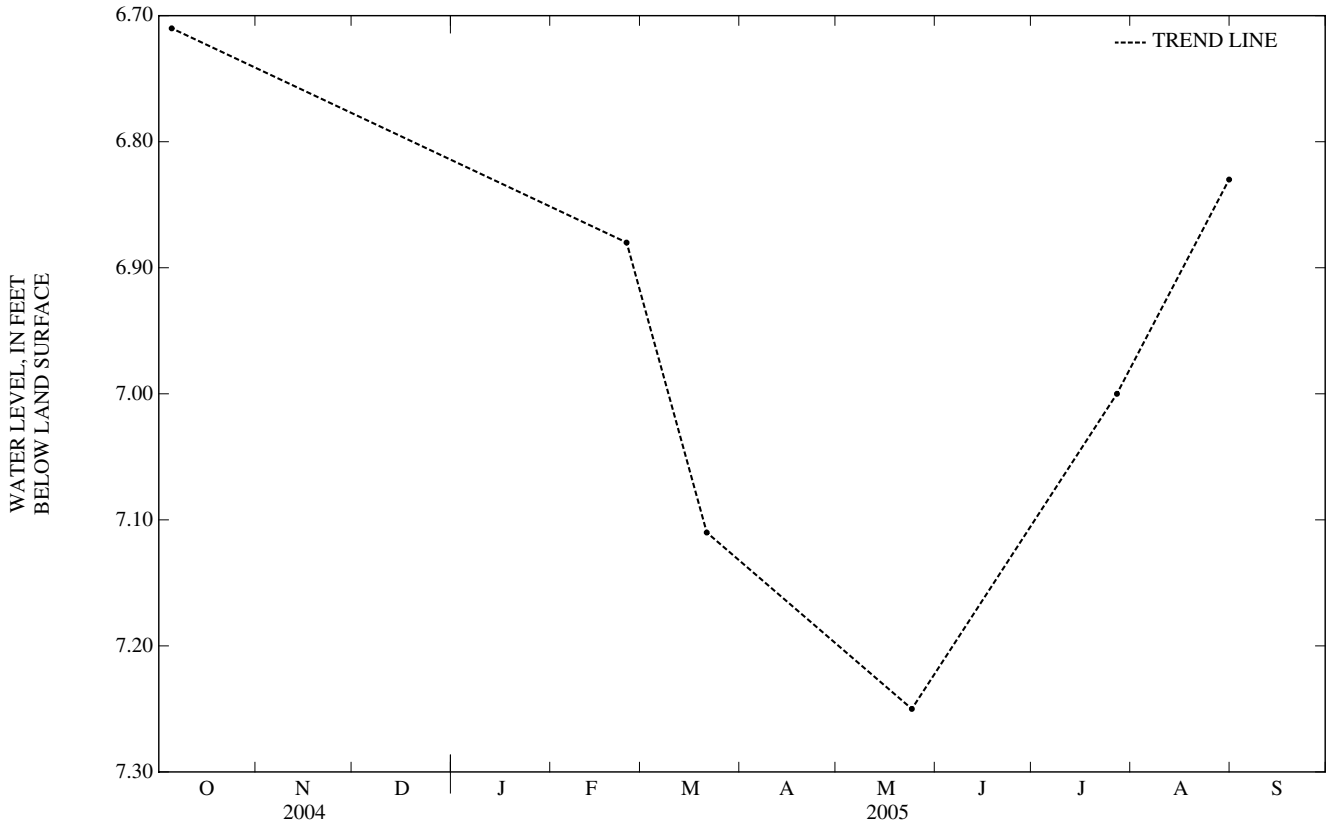
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 7.25 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	6.71	FEB 24	6.88	MAR 21	7.11	MAY 24	7.25	JUL 27	7.00	AUG 31	6.83



BUNCOMBE COUNTY—Continued

352908082382702. County number, BU-094; DENR Bent Creek Research Station PZ-5I.

LOCATION.--Lat 35°29'08", long 82°38'27", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 29 ft, diameter 2 in., cased to 24 ft, screened interval from 24 to 29 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,256.57 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.68 ft above land-surface datum.

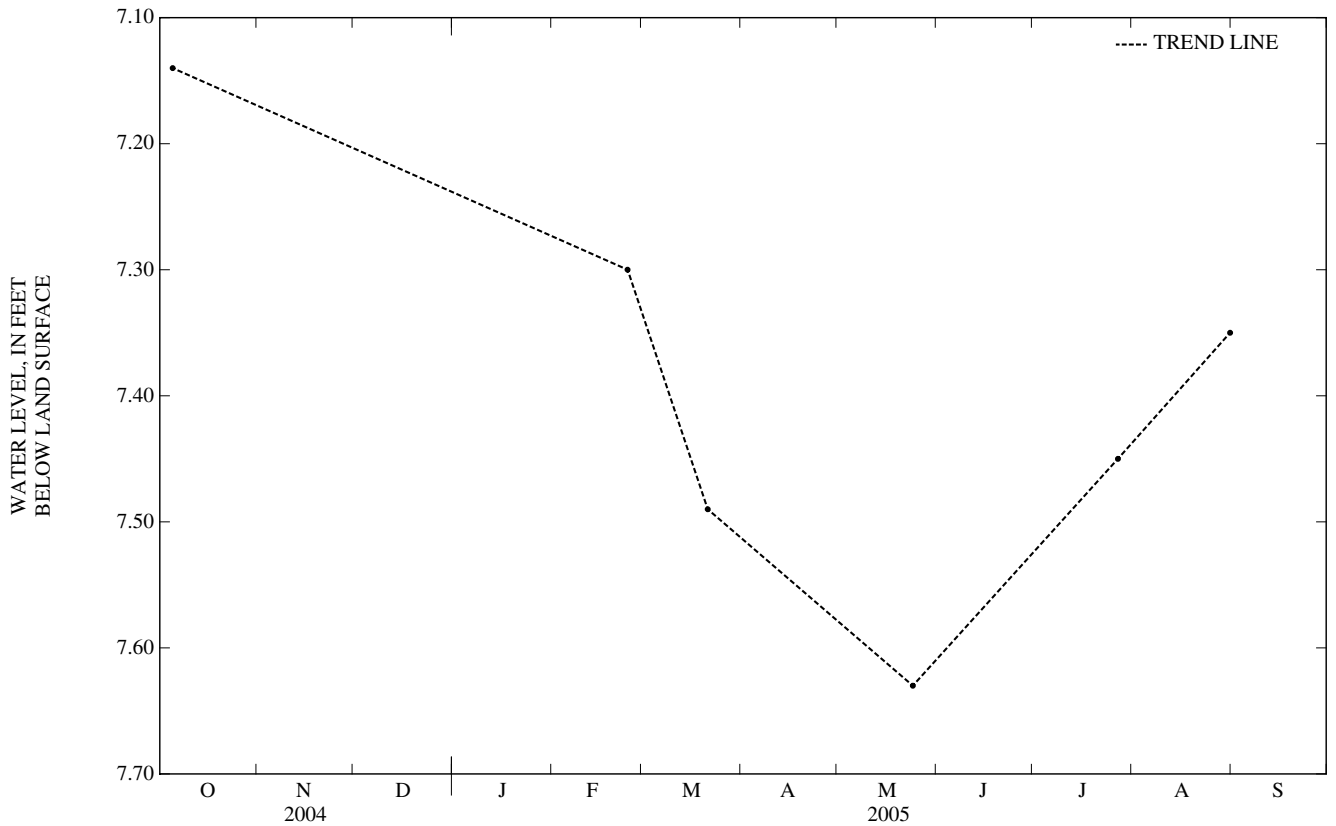
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.14 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 7.63 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.14	FEB 24	7.30	MAR 21	7.49	MAY 24	7.63	JUL 27	7.45	AUG 31	7.35



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352909082382701. County number, BU-095; DENR Bent Creek Research Station PZ-6S.

LOCATION.--Lat 35°29'09", long 82°38'27", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 2 in., cased to 17 ft, screened interval from 17 to 22 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,257.86 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.10 ft above land-surface datum.

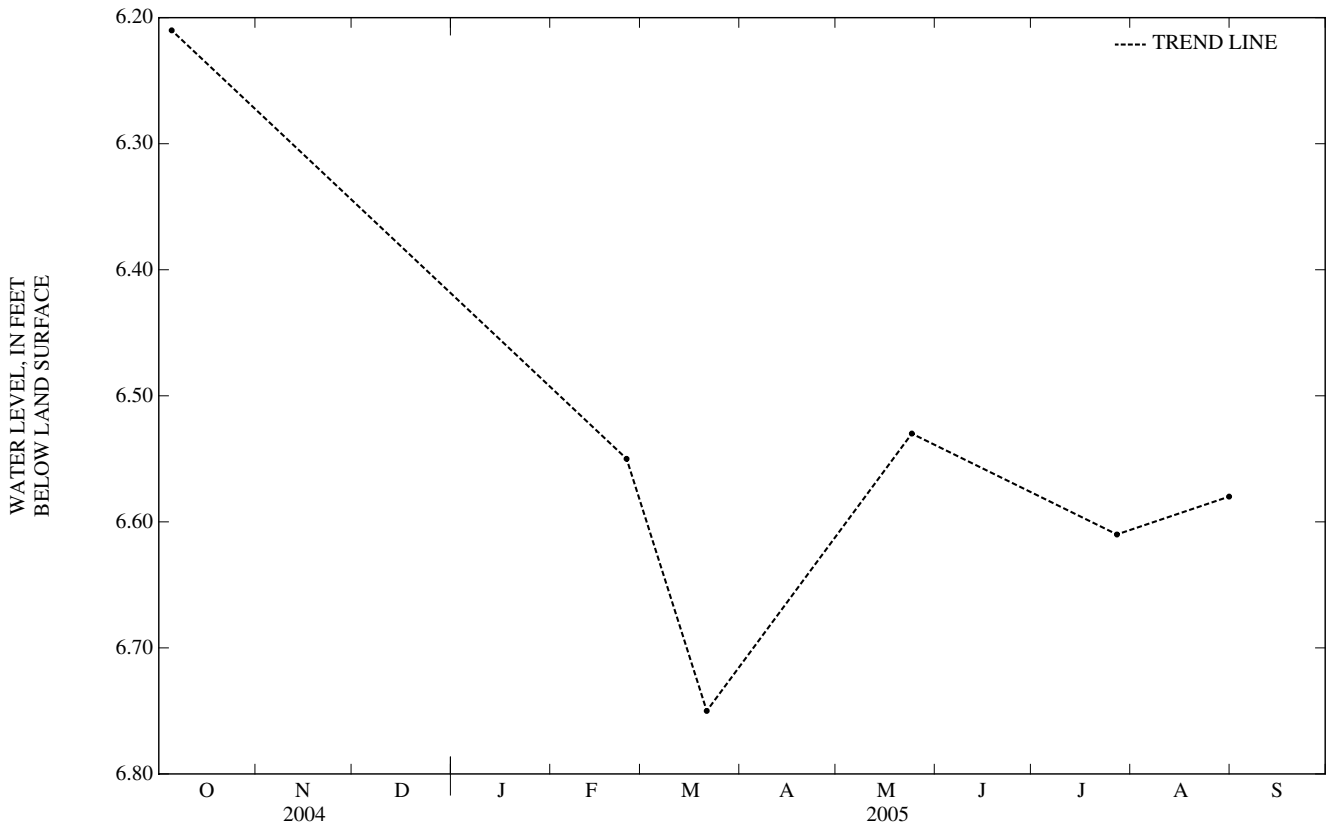
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.21 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 6.75 ft below land-surface datum, Mar. 21, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	6.21	FEB 24	6.55	MAR 21	6.75	MAY 24	6.53	JUL 27	6.61	AUG 31	6.58



BUNCOMBE COUNTY—Continued

352909082382702. County number, BU-096; DENR Bent Creek Research Station PZ-6I.

LOCATION.--Lat 35°29'09", long 82°38'27", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 34 ft, diameter 2 in., cased to 29 ft, screened interval from 29 to 34 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,257.69 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.90 ft above land-surface datum.

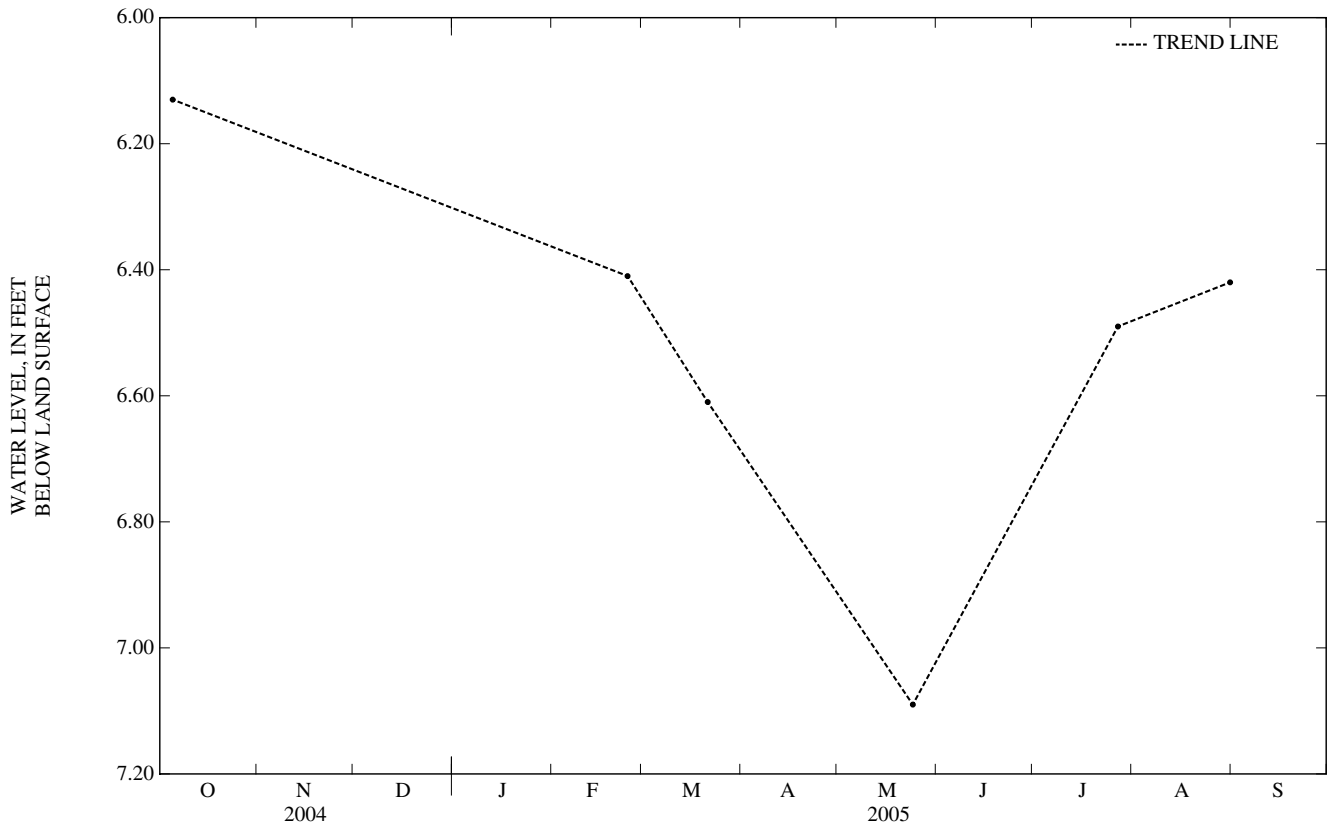
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.13 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 7.09 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	6.13	FEB 24	6.41	MAR 21	6.61	MAY 24	7.09	JUL 27	6.49	AUG 31	6.42



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352911082383101. County number, BU-097; DENR Bent Creek Research Station PZ-7S.

LOCATION.--Lat 35°29'11", long 82°38'31", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 13.5 ft, diameter 2 in., cased to 8 ft, screened interval from 8 to 13.5 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,271.29 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.97 ft above land-surface datum.

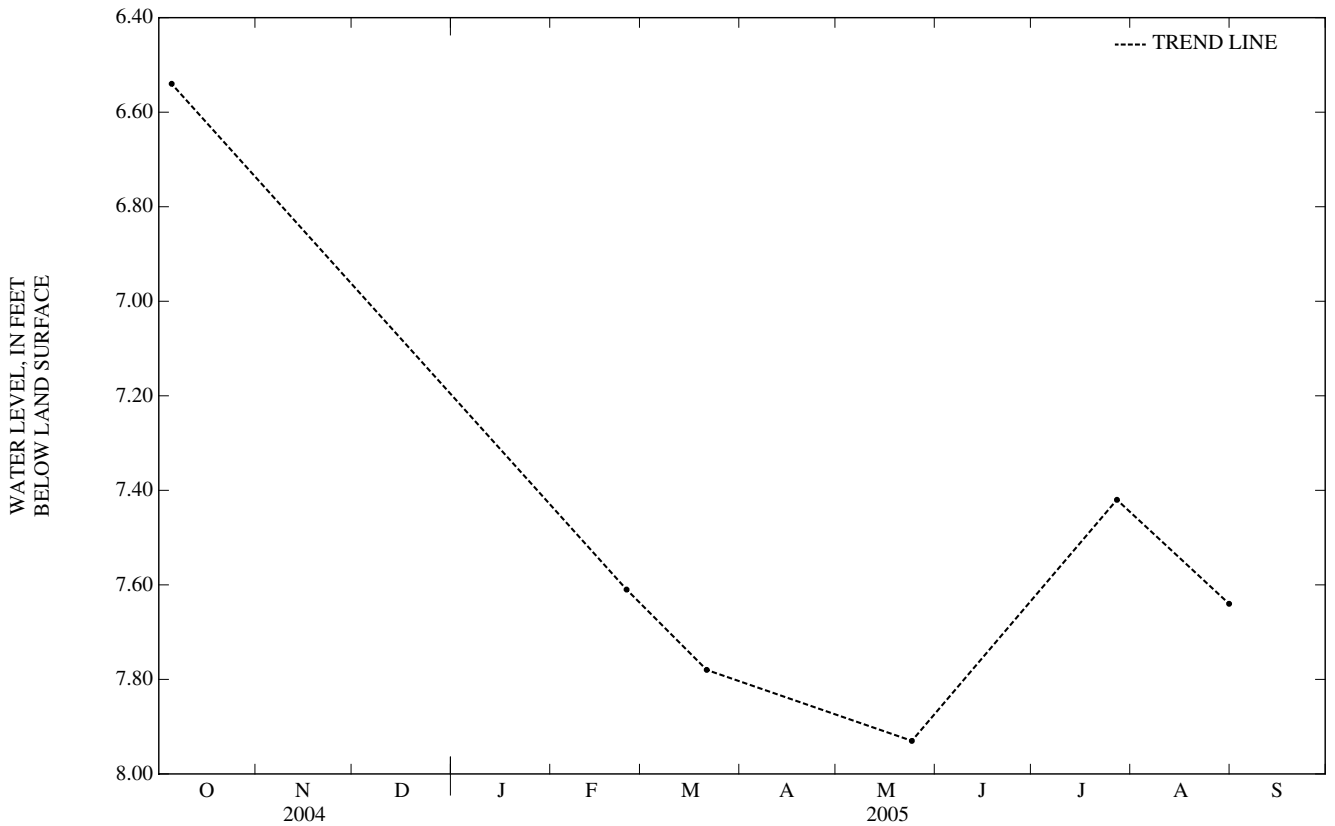
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.54 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 7.93 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	6.54	FEB 24	7.61	MAR 21	7.78	MAY 24	7.93	JUL 27	7.42	AUG 31	7.64



BUNCOMBE COUNTY—Continued

352911082383102. County number, BU-098; DENR Bent Creek Research Station PZ-7I.

LOCATION.--Lat 35°29'11", long 82°38'31", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 25 ft, diameter 2 in., cased to 20 ft, screened interval from 20 to 25 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,273.26 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.80 ft above land-surface datum.

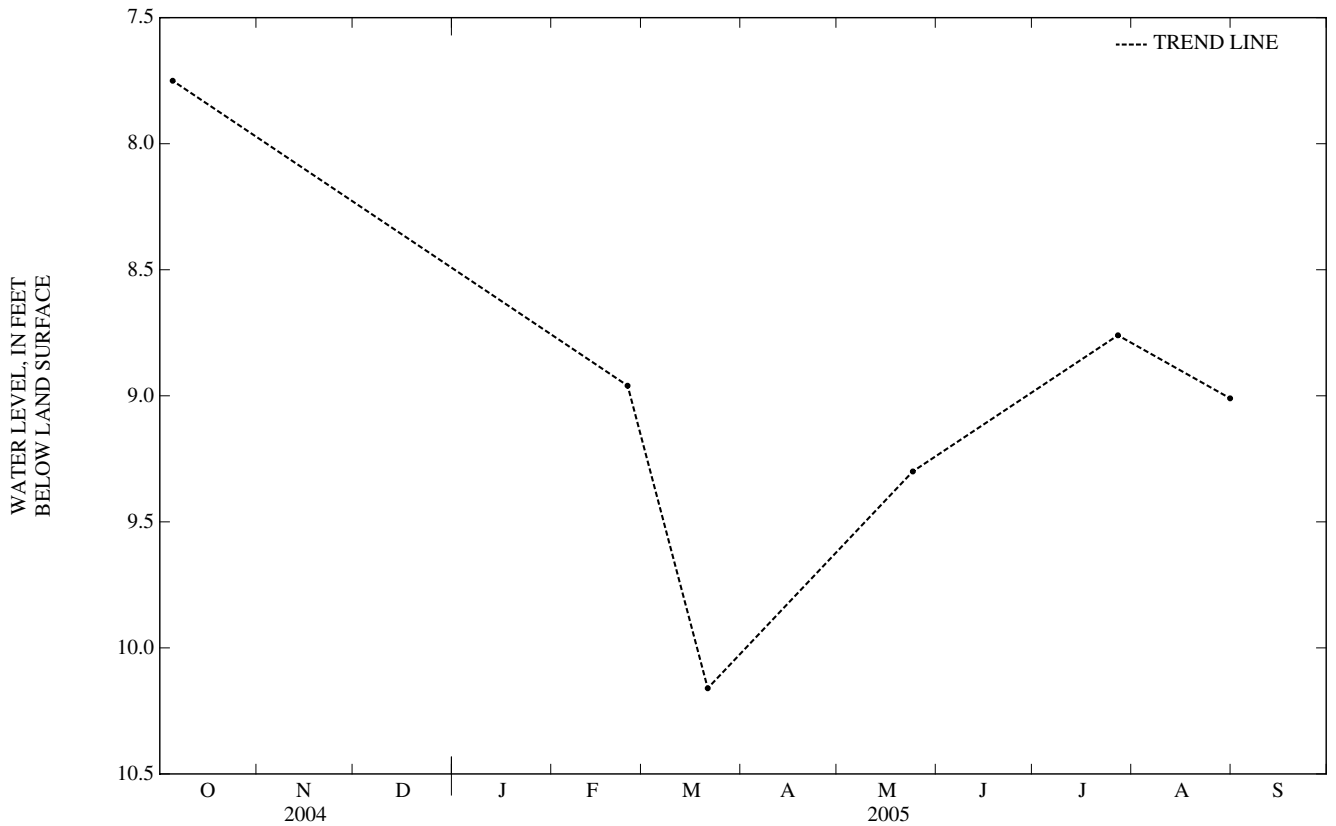
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 10.16 ft below land-surface datum, Mar. 21, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	7.75	FEB 24	8.96	MAR 21	10.16	MAY 24	9.30	JUL 27	8.76	AUG 31	9.01



GROUND-WATER LEVELS
BUNCOMBE COUNTY—Continued

352912082382601. County number, BU-099; DENR Bent Creek Research Station PZ-8S.

LOCATION.--Lat 35°29'12", long 82°38'26", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 2 in., cased to 15 ft, screened interval from 15 to 20 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,256.74 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.95 ft above land-surface datum.

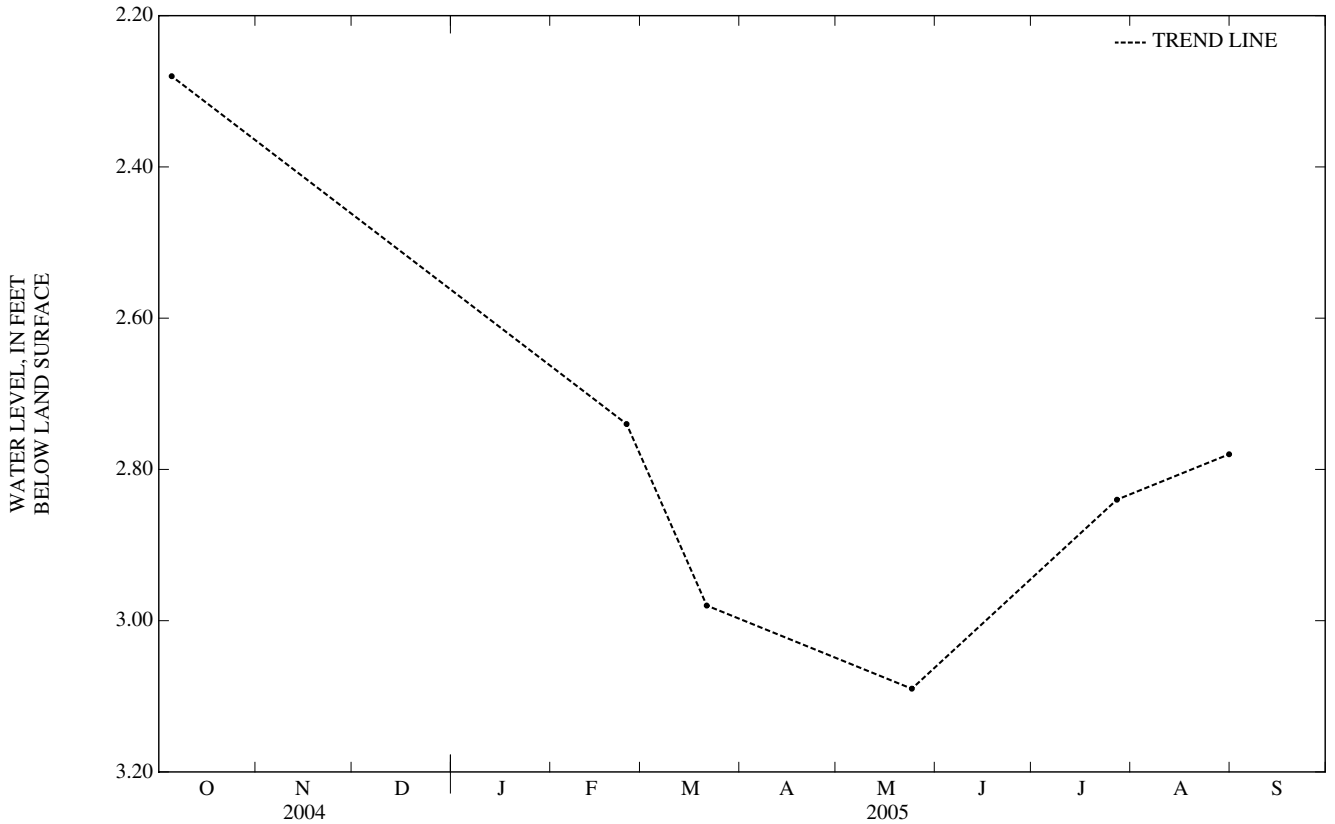
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.28 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 3.09 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	2.28	FEB 24	2.74	MAR 21	2.98	MAY 24	3.09	JUL 27	2.84	AUG 31	2.78



BUNCOMBE COUNTY—Continued

352912082382602. County number, BU-100; DENR Bent Creek Research Station PZ-8I.

LOCATION.--Lat 35°29'12", long 82°38'26", 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.

AQUIFER.--Regolith (saprolitic Biotite Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 34 ft, diameter 2 in., cased to 29 ft, screened interval from 29 to 34 ft.

INSTRUMENTATION.--Measured periodically with steel tape.

DATUM.--Land-surface datum is 2,256.74 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.95 ft above land-surface datum.

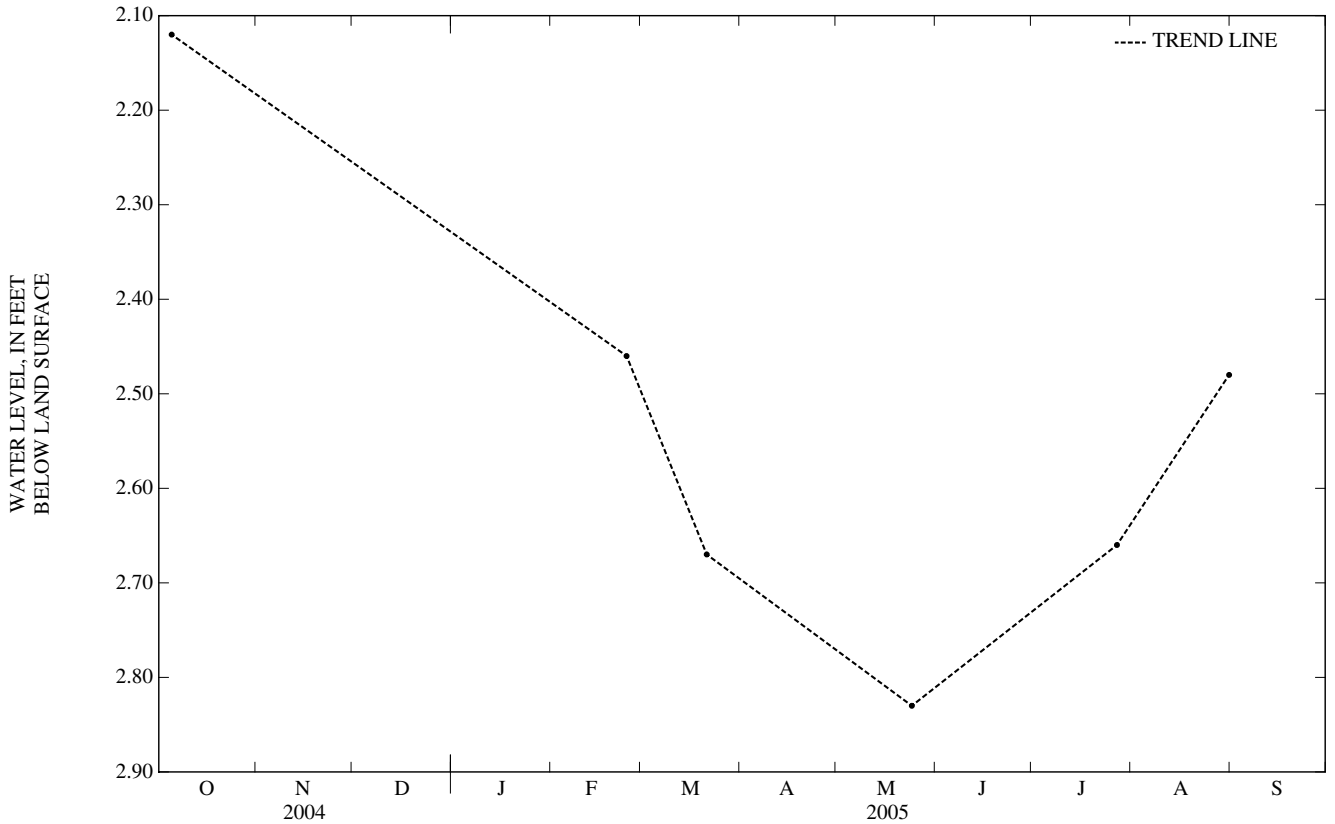
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.12 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 2.83 ft below land-surface datum, May 24, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	2.12	FEB 24	2.46	MAR 21	2.67	MAY 24	2.83	JUL 27	2.66	AUG 31	2.48



GROUND-WATER LEVELS

CAMDEN COUNTY

362527076163301. County number, CA-087; LU-03.

LOCATION.--Lat 36°25'27", long 76°16'33", Hydrologic Unit 03020105, 3 mi south of South Mills, on farm road, 1 mi north of North Carolina State Highway 343.

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 10 ft, diameter 2 in., screened interval from 7 to 10 ft.

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

DATUM.--Land-surface datum is 13 ft above NGVD of 1929. Measuring point: Top of casing, 2.58 ft above land-surface datum.

REMARKS.--Well is part of National Water Quality Assessment Program (NAWQA).

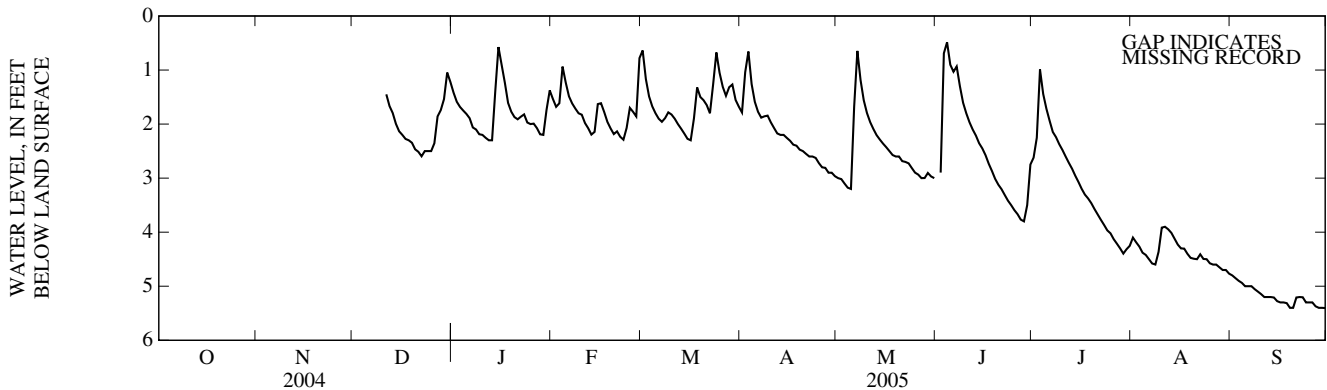
PERIOD OF RECORD.--December 2004 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, .1 ft below land-surface datum, June 3, 2005; lowest water level recorded, 5.5 ft below land-surface datum, Sept. 30, 2005.

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	---	---	---	1.4	1.5	0.6	1.8	3.0	---	2.6	4.1	4.8
2	---	---	---	1.6	1.7	1.2	1.0	3.0	2.9	2.3	4.2	4.9
3	---	---	---	1.7	1.6	1.5	0.7	3.1	0.7	1.0	4.3	4.9
4	---	---	---	1.7	0.9	1.7	1.3	3.2	0.5	1.4	4.4	4.9
5	---	---	---	1.8	1.2	1.8	1.6	3.2	0.9	1.7	4.4	5.0
6	---	---	---	1.9	1.5	1.9	1.8	1.7	1.0	1.9	4.5	5.0
7	---	---	---	2.1	1.6	2.0	1.9	0.6	0.9	2.1	4.6	5.0
8	---	---	---	2.1	1.7	1.9	1.9	1.2	1.3	2.2	4.6	5.1
9	---	---	---	2.2	1.8	1.8	1.8	1.6	1.6	2.4	4.4	5.1
10	---	---	---	2.2	1.8	1.8	2.0	1.8	1.8	2.5	3.9	5.1
11	---	---	1.4	2.3	2.0	1.9	2.1	2.0	2.0	2.6	3.9	5.2
12	---	---	1.7	2.3	2.1	2.0	2.2	2.1	2.1	2.7	3.9	5.2
13	---	---	1.8	2.3	2.2	2.1	2.2	2.2	2.2	2.8	4.0	5.2
14	---	---	2.0	1.4	2.1	2.2	2.2	2.3	2.4	3.0	4.1	5.2
15	---	---	2.1	0.6	1.6	2.3	2.3	2.4	2.5	3.1	4.2	5.3
16	---	---	2.2	0.9	1.6	2.3	2.3	2.4	2.6	3.2	4.3	5.3
17	---	---	2.3	1.2	1.8	1.9	2.4	2.5	2.7	3.3	4.3	5.3
18	---	---	2.3	1.6	2.0	1.3	2.4	2.6	2.9	3.4	4.4	5.3
19	---	---	2.3	1.8	2.1	1.5	2.5	2.6	3.0	3.5	4.5	5.4
20	---	---	2.5	1.9	2.2	1.6	2.5	2.6	3.1	3.6	4.5	5.4
21	---	---	2.5	1.9	2.1	1.6	2.6	2.7	3.2	3.7	4.5	5.2
22	---	---	2.6	1.9	2.2	1.8	2.6	2.7	3.3	3.8	4.4	5.2
23	---	---	2.5	1.8	2.3	1.3	2.6	2.7	3.4	3.9	4.5	5.2
24	---	---	2.5	2.0	2.1	0.7	2.6	2.8	3.5	4.0	4.5	5.3
25	---	---	2.5	2.0	1.7	1.1	2.7	2.9	3.6	4.0	4.6	5.3
26	---	---	2.4	2.0	1.8	1.3	2.8	2.9	3.7	4.1	4.6	5.3
27	---	---	1.9	2.1	1.9	1.5	2.8	3.0	3.8	4.2	4.6	5.4
28	---	---	1.7	2.2	0.8	1.3	2.9	3.0	3.8	4.3	4.7	5.4
29	---	---	1.5	2.2	---	1.3	2.9	2.9	3.5	4.4	4.7	5.4
30	---	---	1.0	1.7	---	1.6	3.0	3.0	2.7	4.3	4.7	5.4
31	---	---	1.2	1.4	---	1.7	---	3.0	---	4.3	4.8	---

WTR YR 2005 MEAN 2.7 HIGH 0.5 LOW 5.4



362527076163301. County number, CA-087; LU-03.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1994, 2001, 2002, October 2004 to September 2005.

REMARKS.--Well is part of National Water Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)
Date	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)
Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)
Date	4-Chloro-2-methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
DEC 10...	0900	10.0	2.02	13	4.60	.10	--	751	.3	4	6.5	450	16.0
MAR 07...	1545	10.0	1.95	13	4.53	1.0	110	752	.1	1	6.1	448	13.1
JUN 01...	1530	10.0	3.09	13	5.67	.10	5.0	764	.1	1	6.1	480	14.9
AUG 29...	1530	10.0	4.69	13	7.27	.30	6.9	758	.1	2	6.0	449	22.6
DEC 10...		6.82	7.78	1.45	4	58.5	27	33	.06	76.8	.1	38.9	14.4
MAR 07...	49	7.20	7.65	1.31	4	57.7	69	84	.22	83.1	.1	36.4	22.1
JUN 01...	47	6.96	7.17	1.45	4	61.8	72	88	.13	83.8	<.5	38.4	22.0
AUG 29...	45	6.77	6.71	1.63	4	57.4	66	81	1.86	83.5	.1	40.2	23.5
DEC 10...	266	.09	<.06	.015	.22	.042	<.09	<.006	<.005	<.006	<.004	<.004	--
MAR 07...	259	.09	<.06	E.006	.22	.087	<.09	<.006	<.005	<.006	<.004	<.004	--
JUN 01...	276	.09	<.06	.017	.22	<.006	<.09	<.006	<.005	<.006	<.004	<.004	<.004
AUG 29...	282	.10	<.06	.010	.23	.061	<.09	<.006	<.005	<.006	<.004	<.004	<.004
DEC 10...	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006
MAR 07...	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006
JUN 01...	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006
AUG 29...	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006

362527076163301. County number, CA-087; LU-03.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyanazine, water, fltrd, ug/L (04041)	Cyfluthrin, water, fltrd, ug/L (61585)	lambda-Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin, water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF, ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd, 0.7u GF, ug/L (82662)	Disulfoton sulfone, water, fltrd, ug/L (61640)
DEC 10...	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--
MAR 07...	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--
JUN 01...	<.016	<.018	<.027	<.009	<.016	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01
AUG 29...	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01
Date	Disulfoton, water, fltrd, 0.7u GF, ug/L (82677)	Endosulfan sulfate, water, fltrd, ug/L (61590)	EPTC, water, fltrd, 0.7u GF, ug/L (82668)	Ethion monooxon, water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd, 0.7u GF, ug/L (82672)	Fenamiphos sulfone, water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt, ug/L (62169)	Fipronil sulfide, water, fltrd, ug/L (62167)	Fipronil sulfone, water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
DEC 10...	--	--	--	<.0020	<.004	--	<.049	--	<.03	<.029	<.013	<.024	<.016
MAR 07...	--	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016
JUN 01...	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016
AUG 29...	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016
Date	Fonofos, water, fltrd, ug/L (61649)	Fonofos, water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methialthion, water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd, 0.7u GF, ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)
DEC 10...	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
MAR 07...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
JUN 01...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
AUG 29...	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006
Date	Molinate, water, fltrd, 0.7u GF, ug/L (82671)	Myclobutanil, water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd, 0.7u GF, ug/L (82683)	Phorate, water, fltrd, ug/L (61666)	Phorate, water, fltrd, 0.7u GF, ug/L (82664)	Phosmet, water, fltrd, ug/L (61668)	Phosmet, water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd, 0.7u GF, ug/L (82676)	Propanil, water, fltrd, 0.7u GF, ug/L (82679)	Propargite, water, fltrd, 0.7u GF, ug/L (82685)
DEC 10...	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--
MAR 07...	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--
JUN 01...	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02
AUG 29...	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02

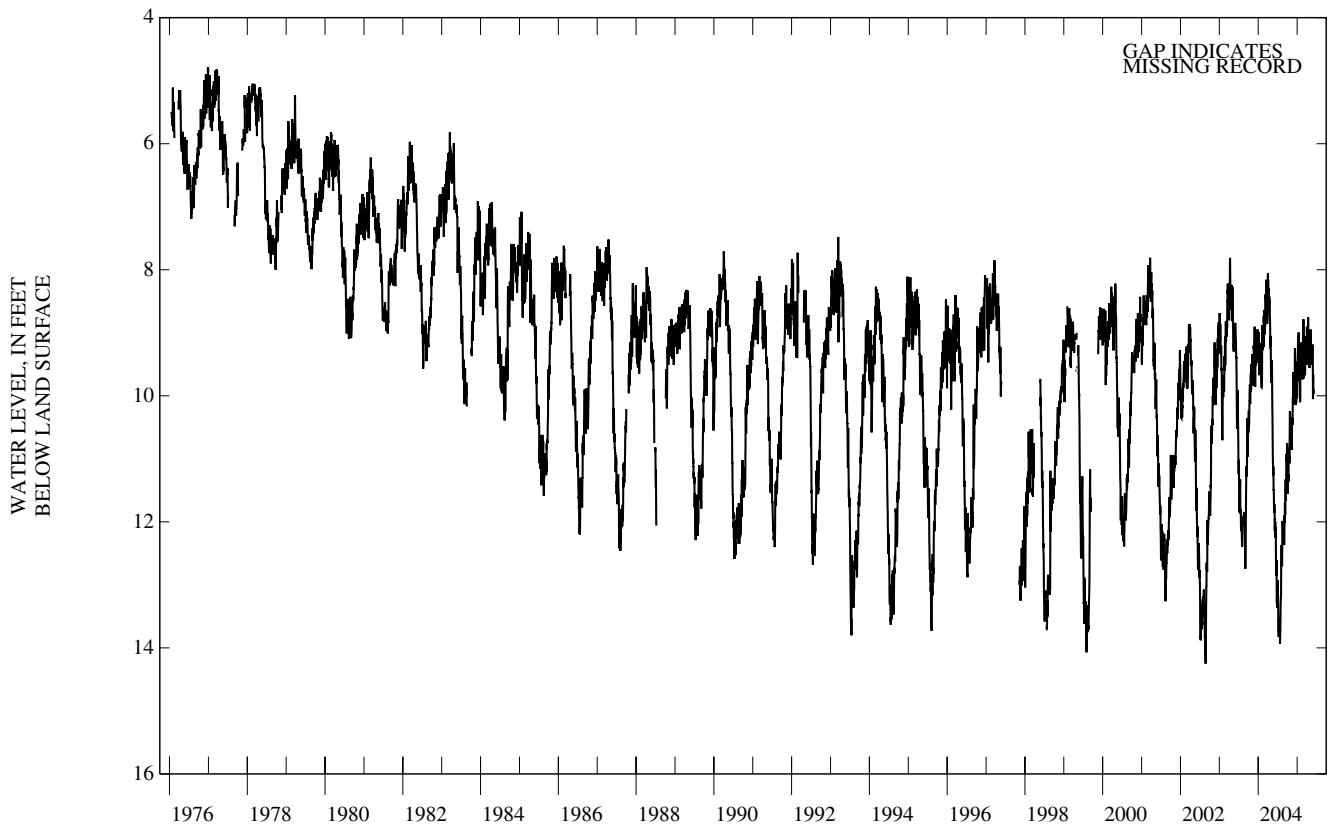
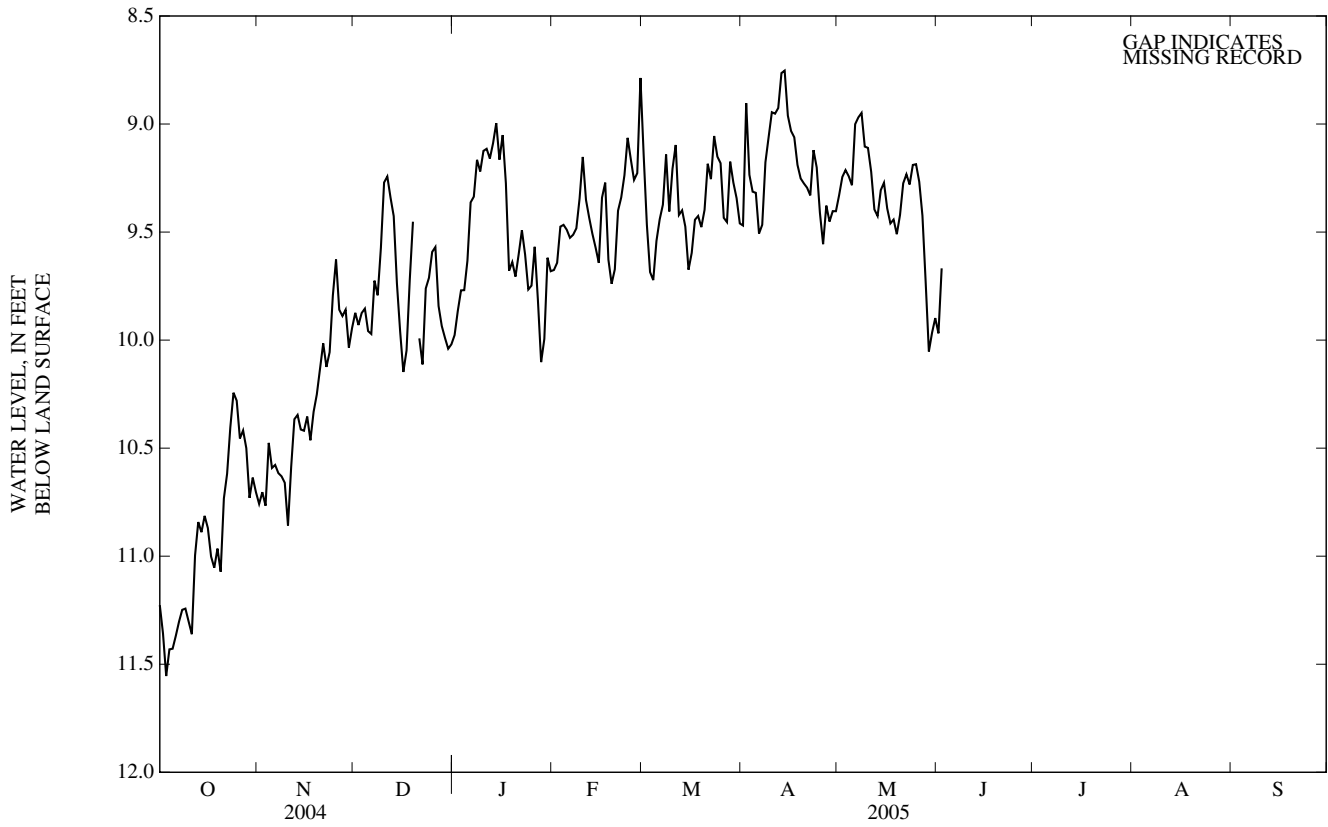
362527076163301. County number, CA-087; LU-03.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)
DEC 10...	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	<.04
MAR 07...	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	--
JUN 01...	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.02	<.004	<.009	<.01	--
AUG 29...	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	--

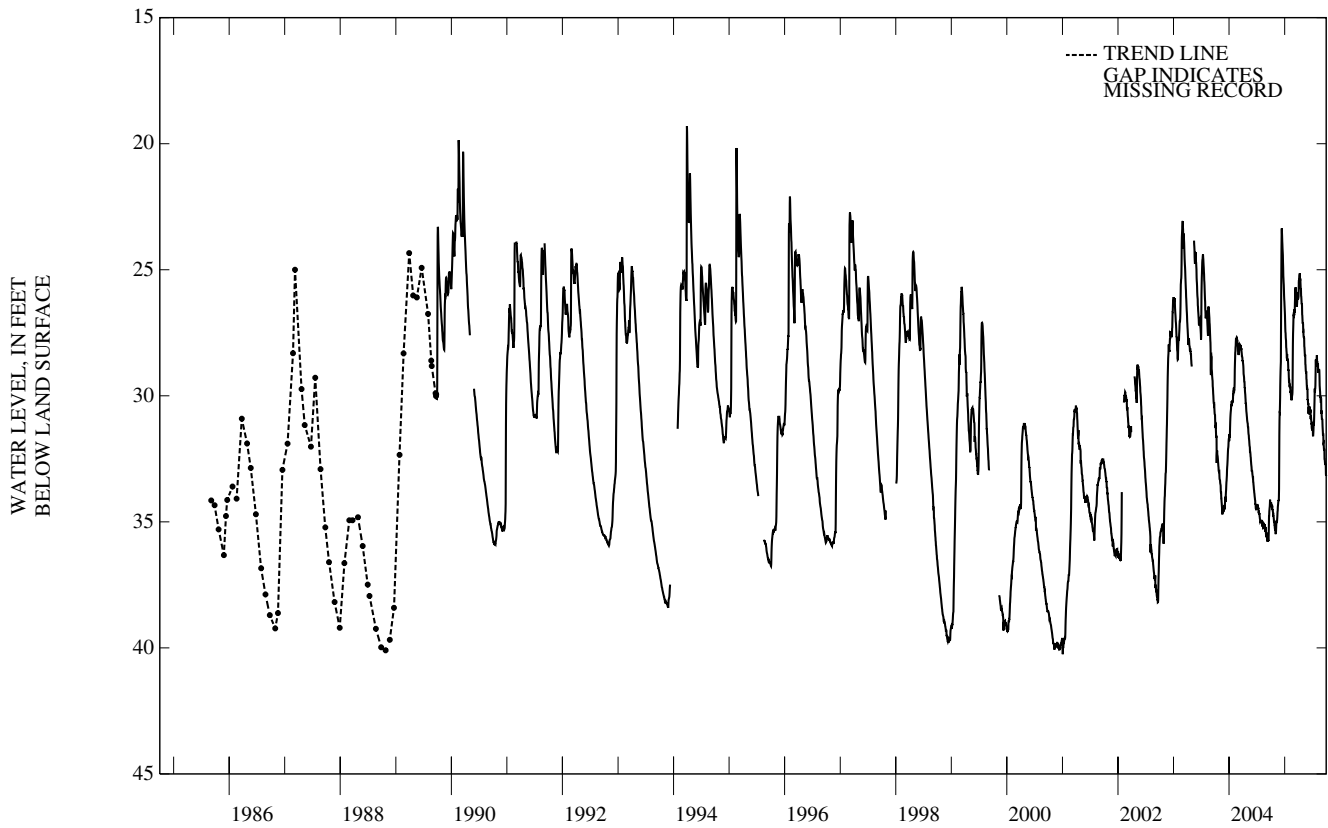
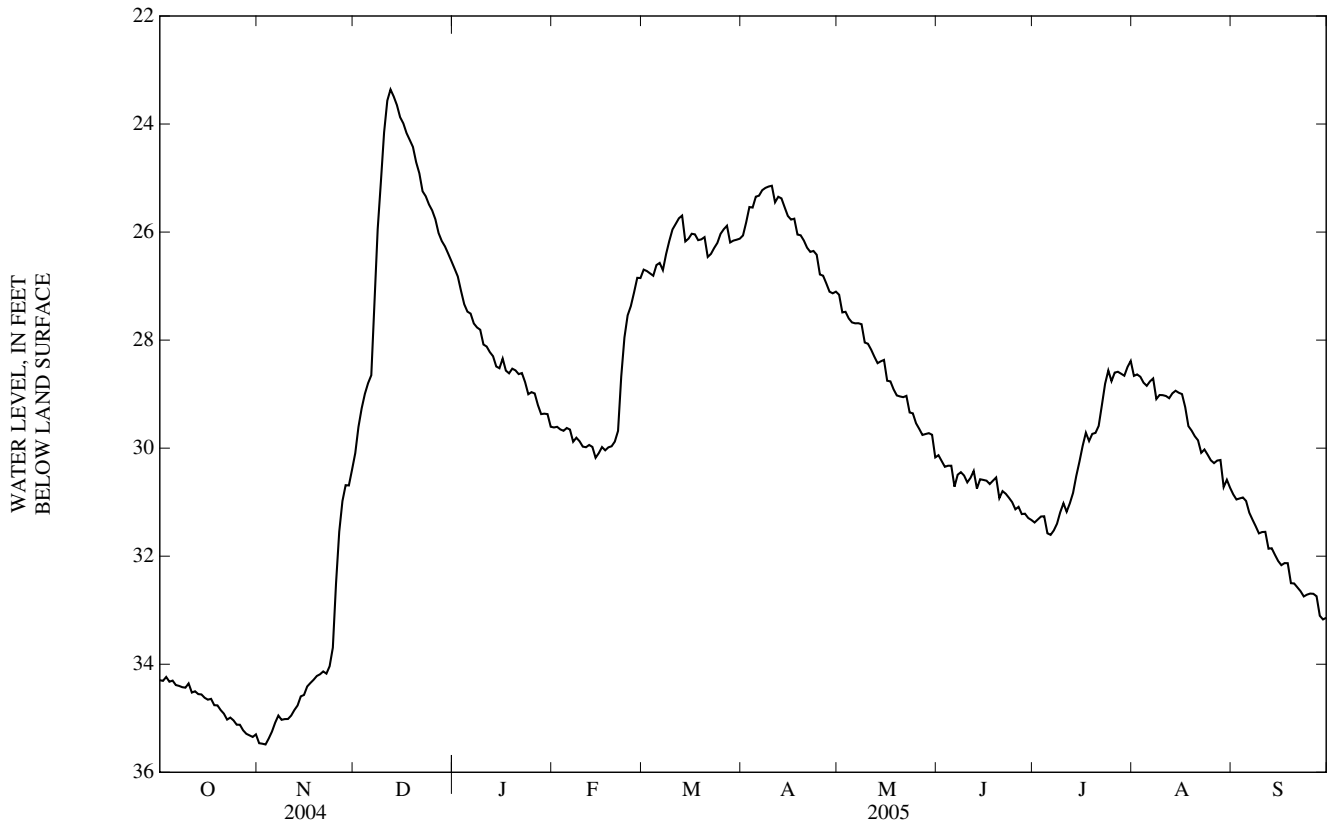
CARTERET COUNTY—Continued

344323076451301. Local number, NC-139; DENR Camp Glenn Research Station well X17j5; County number, CT-153.



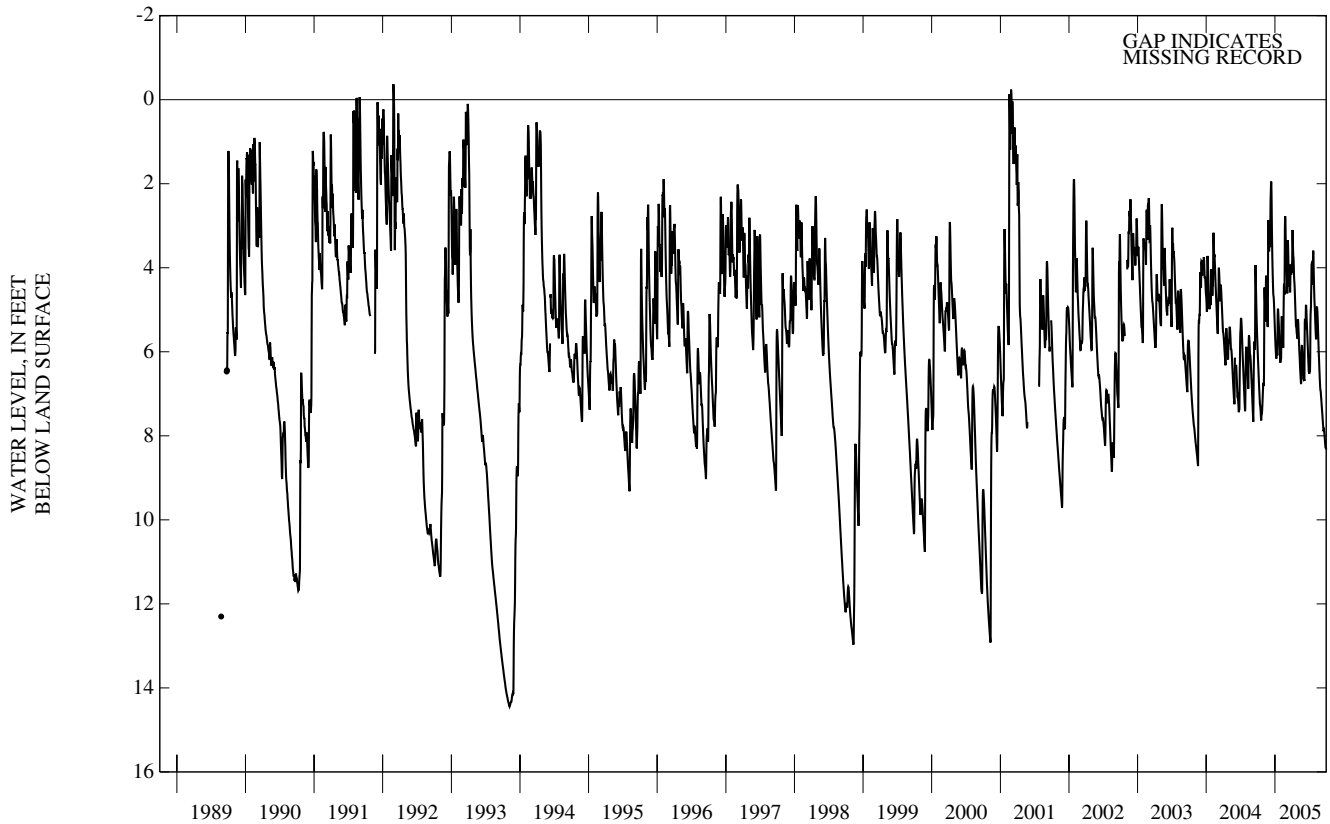
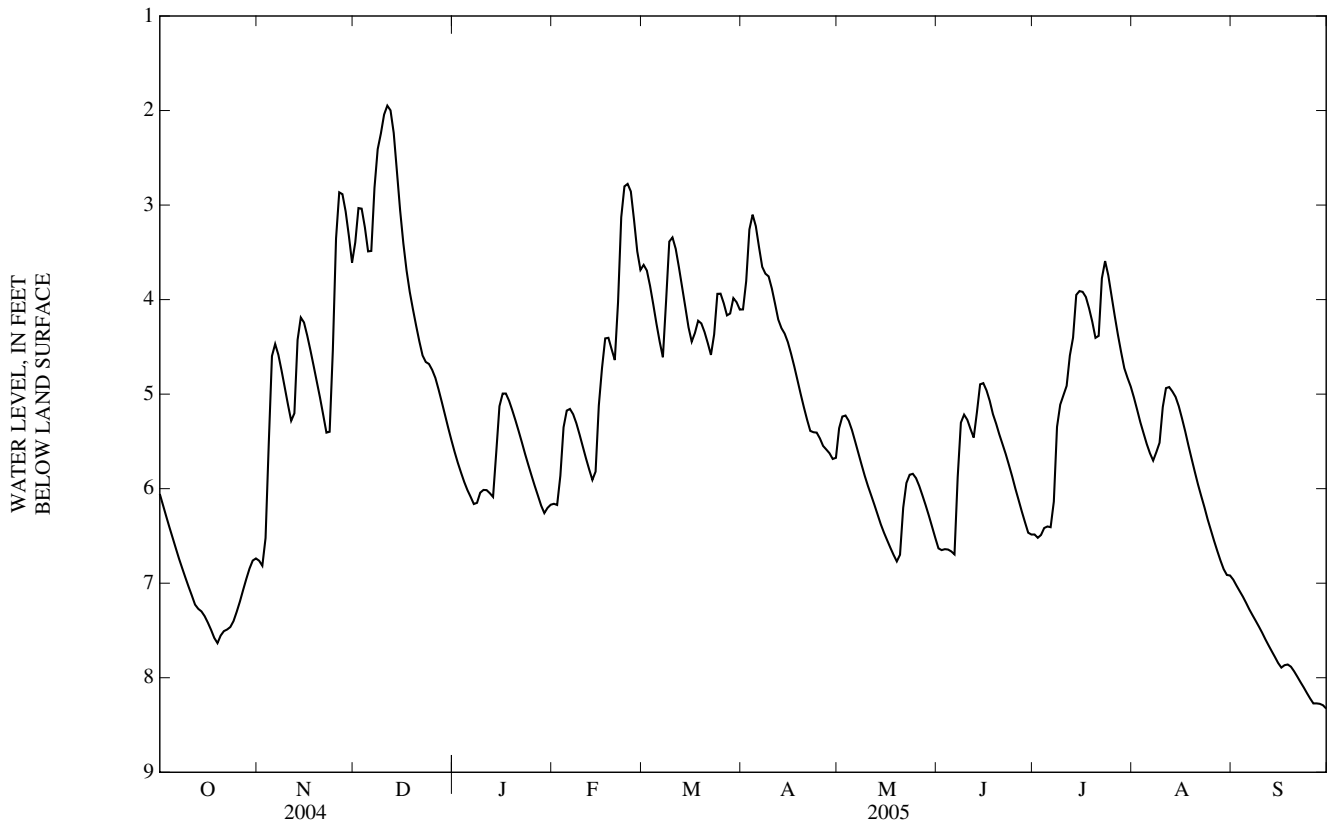
CHEROKEE COUNTY—Continued

351117083545001. Local number, NC-191; County number, CE-028.



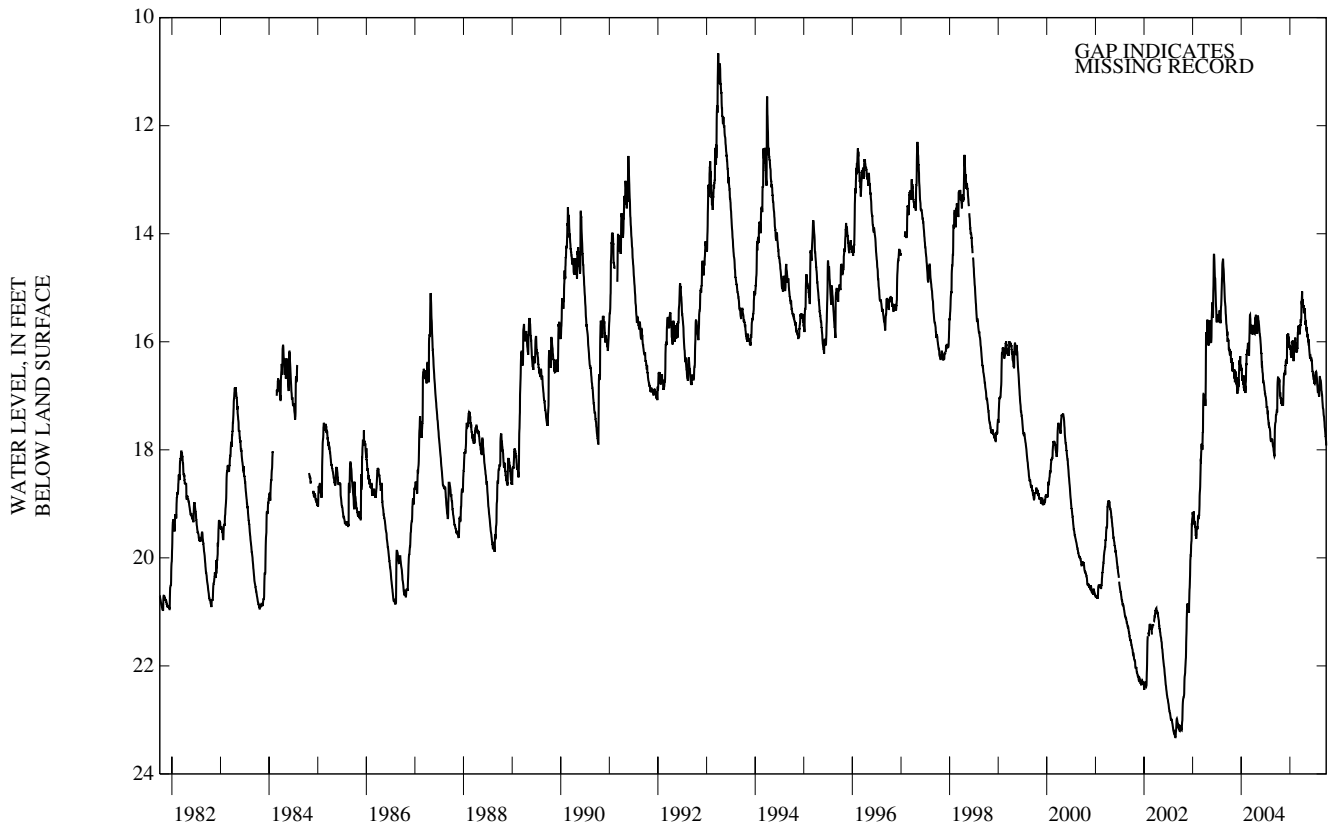
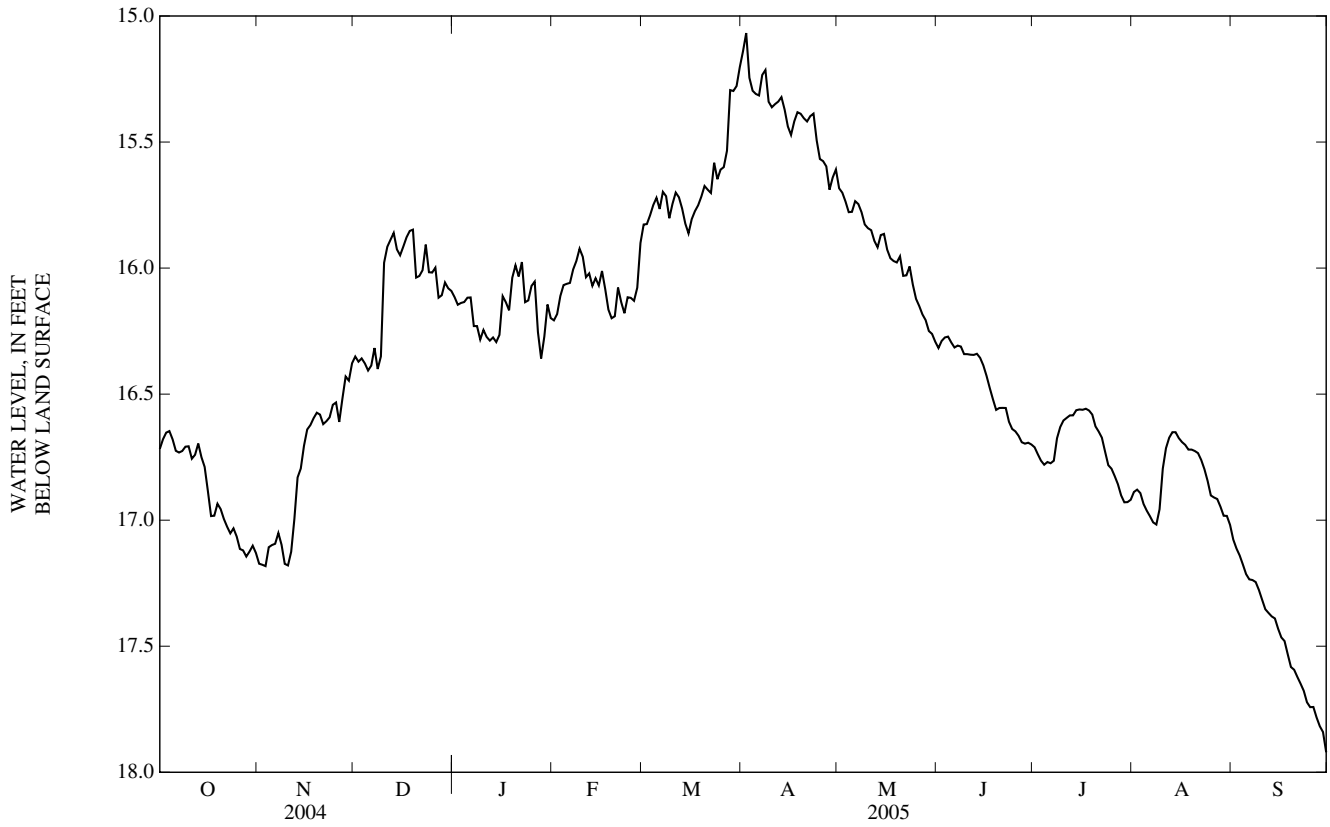
CHEROKEE COUNTY—Continued

351121083545002. Local number, NC-192; County number, CE-029.



DAVIE COUNTY—Continued

355359080331701. Local number, NC-142; County number, DV-025.



GROUND-WATER LEVELS

DUPLIN COUNTY

345051078012108. Local number, NC-222; DENR Rose Hill Research Station well V32v8; County number, DU-136.

LOCATION.--Lat 34°50'52", long 78°01'20", Hydrologic Unit 03030007, 1.5 mi north of Rose Hill at Rose Hill-Magnolia Elementary School, east of U.S. Highway 117 on Secondary Road 1911. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 14 ft, diameter 4 in., screened interval from 10 to 14 ft.

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

DATUM.--Land-surface datum is 86 ft above NGVD of 1929 (from topographic map). Measuring point: Top of 4 in. casing collar, 1.21 ft above land-surface datum.

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

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.62 ft below land-surface datum, June 18, 2003; lowest water level recorded occurred during period when well was dry, Sept. 1 to Sept. 30, 2002.

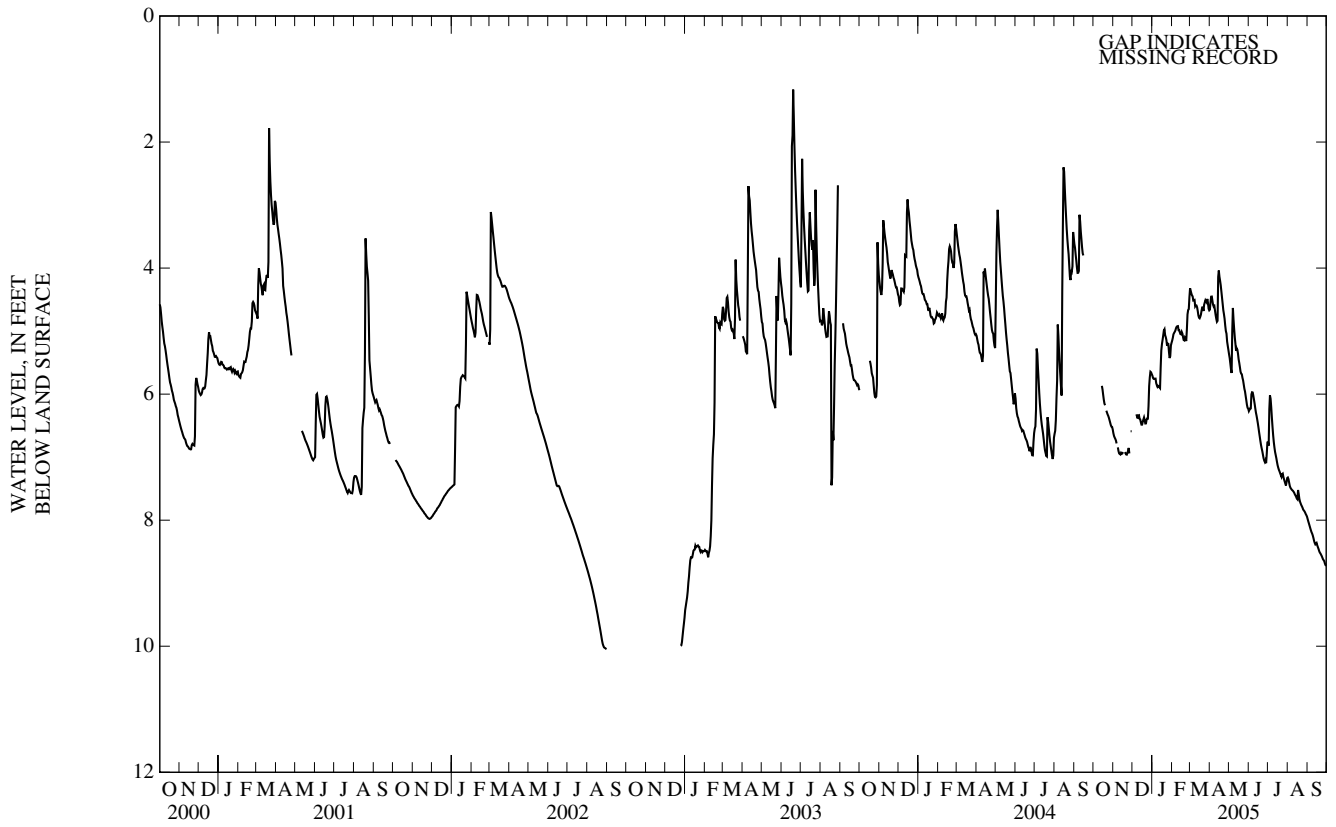
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.62	---	5.70	5.15	4.32	4.66	5.37	6.27	6.77	7.32	7.98
2	---	6.66	---	5.74	5.11	4.36	4.54	5.43	6.25	6.82	7.35	8.02
3	---	6.69	---	5.76	5.05	4.40	4.45	5.51	6.23	6.24	7.40	8.05
4	---	6.71	---	5.75	5.03	4.43	4.45	5.60	6.23	6.02	7.46	8.09
5	---	6.74	---	5.76	5.01	4.45	4.52	5.66	6.00	6.07	7.48	8.12
6	---	6.78	---	5.75	4.99	4.51	4.58	5.00	5.97	6.21	7.50	8.16
7	---	---	6.32	5.83	4.95	4.51	4.61	4.63	5.97	6.37	7.52	8.19
8	---	6.84	6.35	5.86	4.93	4.50	4.60	4.82	6.03	6.52	7.53	8.21
9	---	6.90	6.39	5.88	4.92	4.61	4.67	4.97	6.09	6.65	7.54	8.24
10	---	6.94	6.34	5.87	4.92	4.59	4.75	5.10	6.15	6.76	7.55	8.28
11	---	6.95	6.33	5.88	4.98	4.59	4.80	5.21	6.22	6.85	7.57	8.33
12	---	6.96	6.39	5.89	4.99	4.62	4.85	5.31	6.29	6.92	7.59	8.36
13	---	6.93	6.40	5.91	5.02	4.68	4.84	5.27	6.34	6.97	7.61	8.38
14	5.87	6.95	6.45	5.58	5.05	4.75	4.14	5.29	6.40	7.02	7.63	8.37
15	5.93	6.94	6.48	5.31	5.05	4.79	4.04	5.36	6.46	7.08	7.66	8.36
16	6.01	6.92	6.48	5.20	5.01	4.80	4.14	5.45	6.53	7.13	7.67	8.40
17	6.09	---	6.44	5.14	5.04	4.77	4.20	5.50	6.60	7.17	7.52	8.43
18	6.15	---	6.40	5.07	5.09	4.74	4.27	5.57	6.67	7.20	7.58	8.46
19	6.18	6.92	6.37	4.99	5.14	4.67	4.37	5.64	6.74	7.23	7.66	8.49
20	---	6.94	6.41	4.97	5.15	4.62	4.47	5.67	6.81	7.26	7.71	8.51
21	6.26	6.96	6.47	5.06	5.10	4.63	4.57	5.68	6.86	7.28	7.73	8.53
22	6.29	6.96	6.46	5.10	5.12	4.68	4.67	5.74	6.90	7.31	7.76	8.55
23	6.32	6.93	6.41	5.14	5.16	4.58	4.73	5.78	6.96	7.27	7.78	8.57
24	6.35	6.90	6.39	5.23	4.98	4.55	4.80	5.85	7.02	7.26	7.80	8.59
25	6.38	6.85	6.39	5.20	4.73	4.51	4.91	5.91	7.05	7.31	7.83	8.62
26	6.41	6.94	6.19	5.20	4.67	4.53	5.00	5.96	7.08	7.35	7.85	8.63
27	6.45	---	5.87	5.33	4.65	4.55	5.04	6.03	7.05	7.38	7.86	8.65
28	6.49	6.59	5.73	5.43	4.46	4.49	5.17	6.10	7.10	7.42	7.88	8.69
29	6.52	---	5.64	5.40	---	4.55	5.24	6.17	6.95	7.45	7.90	8.71
30	6.52	---	5.65	5.23	---	4.64	5.30	6.22	6.77	7.40	7.92	8.72
31	6.56	---	5.68	5.19	---	4.67	---	6.23	---	7.33	7.95	---

WTR YR 2005 MEAN 6.17 HIGH 4.04 LOW 8.72

DUPLIN COUNTY—Continued

345051078012108. Local number, NC-222; DENR Rose Hill Research Station well V32v8; County number, DU-136.



GROUND-WATER LEVELS

GREENE COUNTY

353103077333401. County number, GR-082; L2 Lizzie N26q2.

LOCATION.--Lat 35°31'04", long 77°33'33", Hydrologic Unit 03020203, near Lizzie, 20 ft north of Secondary Road 1335. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 18 ft, diameter 2 in., cased to 6 ft, screened interval from 6 to 16 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 76.96 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.71 ft above land surface datum.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project.

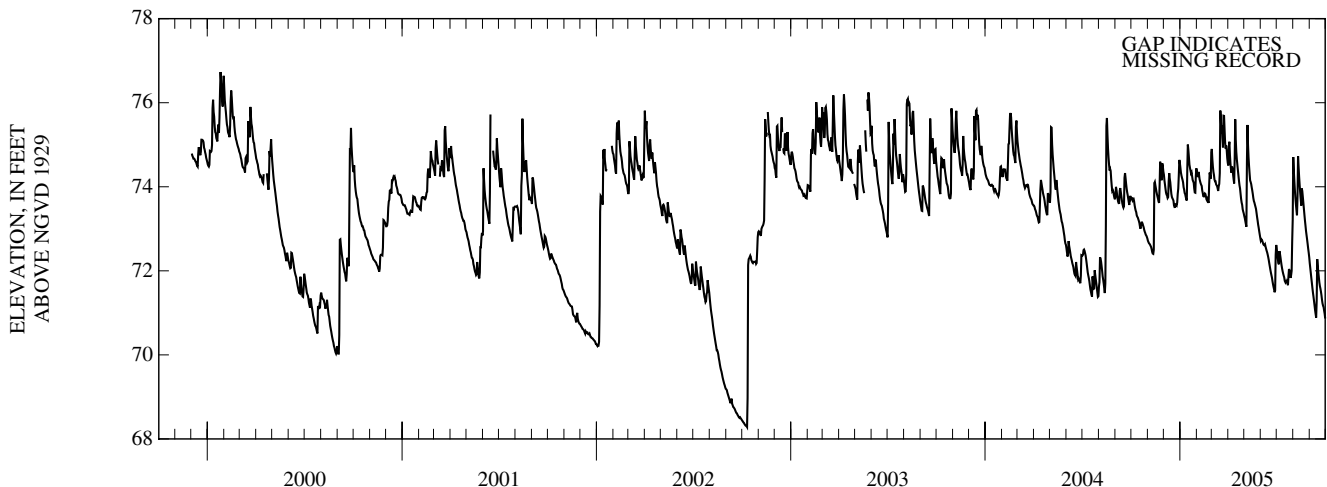
PERIOD OF RECORD.--December 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 76.98 ft above NGVD of 1929, Jan. 25, 2000; lowest water level recorded, 68.26 ft above NGVD of 1929, Oct. 11, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.72	72.71	74.29	74.45	74.34	74.90	74.51	73.30	72.72	72.52	74.71	72.18
2	73.72	72.68	74.15	74.34	74.27	74.65	74.96	73.25	72.75	72.41	74.40	72.06
3	73.68	72.65	74.05	74.27	74.23	74.48	75.07	73.18	72.74	72.29	74.15	71.94
4	73.72	72.64	73.95	74.21	74.35	74.36	74.76	73.11	72.71	72.19	73.92	71.82
5	73.72	72.62	73.86	74.16	74.29	74.28	74.56	73.05	72.67	72.15	73.73	71.71
6	73.66	72.59	73.81	74.11	74.18	74.17	74.42	74.59	72.63	72.47	73.58	71.59
7	73.56	72.57	73.79	73.99	74.13	74.13	74.33	75.47	72.61	72.41	73.45	71.48
8	73.49	72.51	73.73	73.93	74.08	74.13	74.48	75.01	72.61	72.32	73.32	71.38
9	73.43	72.45	73.75	73.85	74.05	74.06	74.43	74.71	72.63	72.22	73.76	71.28
10	73.40	72.41	74.13	73.82	74.02	74.03	74.29	74.49	72.57	72.13	74.73	71.17
11	73.32	72.40	74.32	73.76	73.92	74.01	74.17	74.31	72.52	72.06	74.48	71.06
12	73.29	72.50	74.19	73.70	73.85	73.96	74.08	74.15	72.48	71.99	74.24	70.97
13	73.27	74.08	74.11	73.67	73.78	73.90	74.67	74.11	72.44	71.94	74.04	70.89
14	73.22	74.11	73.96	74.45	73.77	74.01	75.61	74.06	72.38	71.89	73.86	71.29
15	73.19	74.03	73.83	75.00	73.80	74.07	75.12	73.98	72.32	71.84	73.71	72.28
16	73.13	73.96	73.76	74.87	73.84	74.32	74.83	73.91	72.25	71.76	73.55	72.12
17	73.05	73.88	73.72	74.70	73.83	75.81	74.66	73.83	72.17	71.73	73.96	71.98
18	73.00	73.82	73.70	74.53	73.77	75.62	74.53	73.73	72.10	71.78	73.90	71.85
19	73.08	73.76	73.67	74.45	73.70	75.26	74.40	73.66	72.02	71.71	73.75	71.73
20	73.15	73.71	73.56	74.38	73.68	75.47	74.27	73.62	71.95	71.75	73.61	71.64
21	73.15	73.65	73.52	74.32	73.71	75.16	74.15	73.57	71.89	71.71	73.48	71.58
22	73.12	73.62	73.52	74.34	73.65	74.94	74.04	73.52	71.83	71.66	73.33	71.51
23	73.08	74.05	73.58	74.25	73.62	75.69	73.96	73.47	71.75	71.87	73.20	71.42
24	73.04	74.60	73.57	74.16	74.04	75.69	73.84	73.38	71.68	72.04	73.07	71.31
25	72.98	74.50	73.56	74.13	74.34	75.35	73.71	73.28	71.61	72.01	72.95	71.22
26	72.93	74.25	73.62	74.10	74.25	75.05	73.63	73.20	71.56	71.93	72.85	71.17
27	72.90	74.16	73.84	73.96	74.19	74.91	73.57	73.10	71.49	71.83	72.75	71.14
28	72.86	74.56	73.96	73.86	74.81	74.98	73.46	73.03	71.53	71.90	72.64	71.05
29	72.84	74.49	74.27	73.86	---	74.86	73.41	72.94	72.37	72.00	72.53	70.98
30	72.81	74.36	74.64	74.26	---	74.68	73.36	72.86	72.62	72.70	72.43	70.87
31	72.77	---	74.56	74.44	---	74.56	---	72.79	---	73.22	72.32	---

WTR YR 2005 MEAN 73.41 MAX 75.81 MIN 70.87



GREENE COUNTY—Continued

35311077334402. County number, GR-085; L6 Lizzie N26q6.

LOCATION.--Lat 35°31'13", long 77°33'42", Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345.
 Owner: DENR (North Carolina Department of Environment and Natural Resources).

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 8 ft, diameter 2 in., screened interval from 4 to 7 ft.

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

DATUM.--Land-surface datum is 73.38 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of protective outer casing, 3.38 ft above land surface datum.

REMARKS.--Well is part of National Water Quality Assessment Program (NAWQA). Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project.

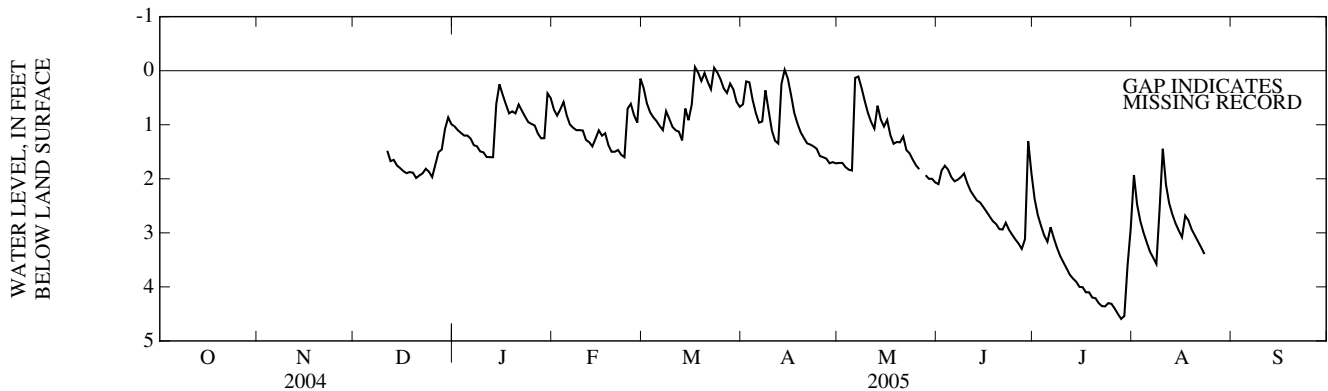
PERIOD OF RECORD.--December 2004 to August 2005

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, -0.2 ft below land-surface datum, March 23, May 6; lowest water level recorded, 4.6 ft below land-surface datum, July 28, 29, 2005.

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	---	---	---	1.0	0.7	0.3	0.6	1.7	2.1	2.4	1.9	---
2	---	---	---	1.1	0.8	0.6	0.2	1.7	1.8	2.7	2.5	---
3	---	---	---	1.2	0.7	0.8	0.2	1.8	1.8	2.9	2.8	---
4	---	---	---	1.2	0.6	0.9	0.5	1.8	1.8	3.0	3.0	---
5	---	---	---	1.2	0.8	0.9	0.8	1.8	2.0	3.2	3.2	---
6	---	---	---	1.3	1.0	1.0	1.0	0.1	2.0	2.9	3.3	---
7	---	---	---	1.4	1.1	1.1	0.9	0.1	2.0	3.1	3.5	---
8	---	---	---	1.4	1.1	0.7	0.4	0.3	2.0	3.3	3.6	---
9	---	---	---	1.5	1.1	0.9	0.7	0.6	1.9	3.4	2.6	---
10	---	---	---	1.5	1.1	1.0	1.1	0.8	2.1	3.5	1.4	---
11	---	---	1.5	1.6	1.3	1.1	1.3	1.0	2.2	3.7	2.1	---
12	---	---	1.7	1.6	1.3	1.1	1.3	1.1	2.3	3.8	2.5	---
13	---	---	1.6	1.6	1.4	1.3	0.2	0.6	2.4	3.8	2.7	---
14	---	---	1.8	0.6	1.3	0.7	0.0	0.9	2.4	3.9	2.8	---
15	---	---	1.8	0.3	1.1	0.9	0.1	1.0	2.5	4.0	3.0	---
16	---	---	1.9	0.4	1.2	0.6	0.4	0.9	2.6	4.0	3.1	---
17	---	---	1.9	0.6	1.2	-0.1	0.8	1.2	2.7	4.1	2.7	---
18	---	---	1.9	0.8	1.4	0.0	1.0	1.4	2.8	4.1	2.8	---
19	---	---	1.9	0.8	1.5	0.2	1.1	1.3	2.8	4.2	2.9	---
20	---	---	2.0	0.8	1.5	0.0	1.2	1.3	2.9	4.2	3.0	---
21	---	---	1.9	0.6	1.5	0.2	1.3	1.2	2.9	4.3	3.2	---
22	---	---	1.9	0.7	1.6	0.3	1.4	1.5	2.8	4.4	3.3	---
23	---	---	1.8	0.9	1.6	-0.1	1.4	1.5	2.9	4.4	3.4	---
24	---	---	1.9	1.0	0.7	0.0	1.4	1.6	3.0	4.3	---	---
25	---	---	2.0	1.0	0.6	0.2	1.6	1.8	3.1	4.3	---	---
26	---	---	1.7	1.0	0.8	0.3	1.6	1.8	3.2	4.4	---	---
27	---	---	1.5	1.2	1.0	0.4	1.6	---	3.3	4.5	---	---
28	---	---	1.5	1.3	0.1	0.2	1.7	1.9	3.1	4.6	---	---
29	---	---	1.1	1.2	---	0.3	1.7	2.0	1.3	4.5	---	---
30	---	---	0.9	0.4	---	0.6	1.7	2.0	1.9	3.6	---	---
31	---	---	1.0	0.5	---	0.7	---	2.1	---	2.9	---	---

WTR YR 2005 MEAN 1.7 HIGH -0.1 LOW 4.6



353111077334402. County number, GR-085; L6 Lizzie N26q6—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1995, 2001, 2002, 2003, 2004, October 2004 to September 2005.

REMARKS.--Well is part of National Water Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Sampling depth, feet (00003)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unft uS/cm 25 degC (00095)
Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)
Date	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)
DEC 01...	1445	7.0	2.08	73.38	5.46	.20	5.00	--	758	2.8	29	4.2	653
MAR 03...	1200	7.0	.93	73.38	4.31	.20	--	.7	759	4.3	40	4.4	689
MAY 27...	0945	7.0	1.86	73.38	5.24	.20	--	1.2	756	.8	8	4.1	725
AUG 24...	1130	7.0	3.47	73.38	6.85	.10	--	8.9	758	.9	11	4.0	701
DEC 01...	17.5	130	31.8	12.3	9.27	2	41.4	E.02	101	.5	12.3	16.3	326
MAR 03...	12.0	150	36.9	14.1	12.0	2	43.5	<.02	116	.5	8.26	21.4	373
MAY 27...	17.8	150	35.7	14.9	14.4	2	46.9	.05	116	.6	10.0	17.9	422
AUG 24...	25.1	140	35.7	12.8	12.1	1	40.9	.07	114	.6	13.4	15.2	383
DEC 01...	<.04	30.7	<.008	29.7	.010	4,630	<.20	E.1	612	3.07	22	.30	E.7
MAR 03...	<.04	28.4	<.008	29.1	E.005	--	--	--	--	--	--	--	--
MAY 27...	<.04	31.1	<.008	32.6	E.004	--	--	--	--	--	--	--	--
AUG 24...	E.03	29.0	E.007	28.8	.013	--	--	--	--	--	--	--	--
DEC 01...	5.37	7.3	60	4.39	3.4	147	<.4	10.3	.4	<.2	195	.22	<.1
MAR 03...	--	--	59	--	--	145	--	--	--	--	--	--	--
MAY 27...	--	--	46	--	--	150	--	--	--	--	--	--	--
AUG 24...	--	--	186	--	--	154	--	--	--	--	--	--	--

353111077334402. County number, GR-085; L6 Lizzie N26q6—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Zinc, water, fltrd, ug/L (01090)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water, fltrd, 0.7u GF ug/L (82660)	2Chloro -2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	Atra-zine, water, fltrd, ug/L (39632)
DEC 01...	28.2	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006	<.006	<.005	--	<.007
MAR 03...	--	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006	<.006	<.005	--	<.007
MAY 27...	--	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006	<.006	<.005	--	.052
AUG 24...	--	<.09	<.006	<.005	E.006	<.004	<.004	<.004	<.006	<.006	<.005	<.005	.016
Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd, 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyflu-thrin, water, fltrd, ug/L (61585)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyber-methrin water, fltrd, ug/L (61586)
DEC 01...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--	<.009
MAR 03...	<.07	<.050	<.010	<.041	--	<.06	<.015	<.006	--	--	<.070	--	<.050
MAY 27...	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--	<.009
AUG 24...	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009
Date	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-nyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF ug/L (82662)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)
DEC 01...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
MAR 03...	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
MAY 27...	<.003	<.012	--	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
AUG 24...	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
Date	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-nyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)
DEC 01...	--	<.049	--	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013	<.387	<.003
MAR 03...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
MAY 27...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003
AUG 24...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013	<.538	<.003

353111077334402. County number, GR-085; L6 Lizzie N26q6—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion, water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, 0.7u GF ug/L (82671)	Myclo-butanil, water, fltrd, ug/L (61599)	Oxy-fluor-phen, water, fltrd, ug/L (61600)	Pendi-meth-alin, water, fltrd, 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)
DEC 01...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
MAR 03...	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10
MAY 27...	<.030	<.027	<.005	<.006	<.03	<.015	.012	<.006	--	<.008	--	<.022	<.10
AUG 24...	<.030	<.027	<.005	<.006	<.03	<.015	.009	<.007	<.003	<.008	<.007	<.022	<.10
Date	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Pro-panil, water, fltrd, 0.7u GF ug/L (82679)	Propar-gite, water, fltrd, 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd, 0.7u GF ug/L (82670)	Teflu-thrin, water, fltrd, ug/L (61606)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd, 0.7u GF ug/L (82675)
DEC 01...	<.011	--	<.008	<.01	<.005	<.004	--	--	<.005	<.02	--	<.07	<.02
MAR 03...	<.011	<.05	<.008	<.01	<.005	<.004	--	--	<.005	<.02	--	<.07	<.02
MAY 27...	<.011	--	--	<.01	<.005	<.004	--	--	<.005	<.02	--	<.07	<.02
AUG 24...	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02
Date	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-flur-alin, water, fltrd, 0.7u GF ug/L (82661)	Di-chlor-vo-s, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)						
DEC 01...		<.01	--	--	--	<.009	<.01	.17					
MAR 03...		<.01	--	--	--	<.009	<.01	--					
MAY 27...		<.01	--	--	--	<.009	<.01	--					
AUG 24...		<.01	<.010	<.01	<.004	<.009	<.01	--					

GROUND-WATER LEVELS
GREENE COUNTY—Continued

353135077332701. County number, GR-110; L17.

LOCATION.--Lat 35°31'36", long 77°33'26", Hydrologic Unit 03020203, near Lizzie, 200 ft west of Secondary Road 1345. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Yorktown.

WELL CHARACTERISTICS.--Drilled observation well, depth 68 ft, diameter 2 in., screened interval from 41 to 61 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 72.50 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.74 ft above land surface datum.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project.

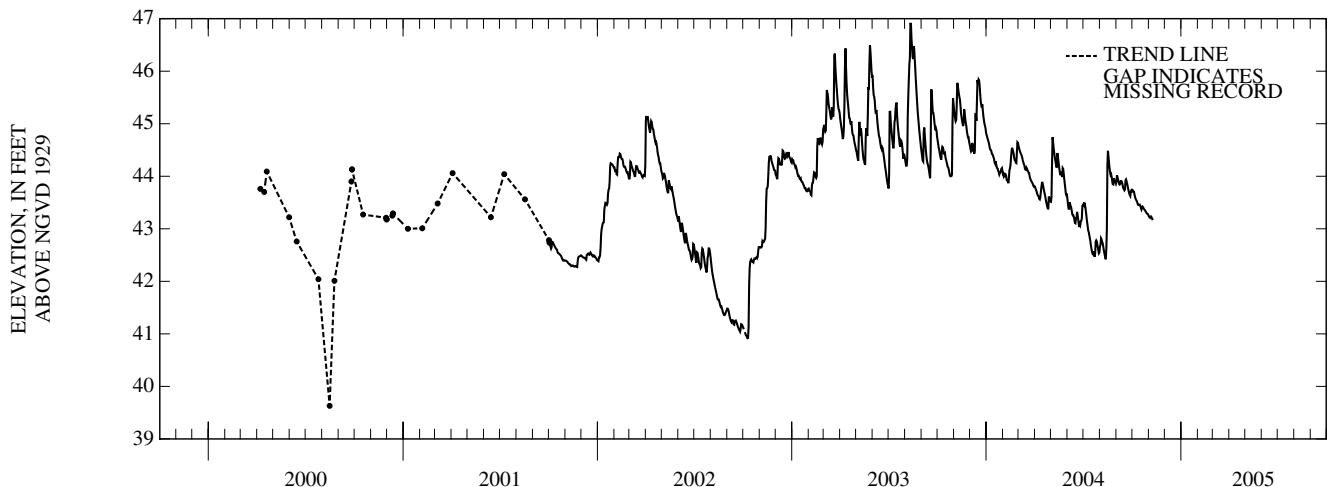
PERIOD OF RECORD.--April 2000 to November 2004 (discontinued). Continuous record began December 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.97 ft above NGVD of 1929, Aug. 11, 12, 2003; lowest water level recorded, 40.91 ft above NGVD of 1929, Oct. 9, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.74	43.23	---	---	---	---	---	---	---	---	---	---
2	43.73	43.22	---	---	---	---	---	---	---	---	---	---
3	43.70	43.21	---	---	---	---	---	---	---	---	---	---
4	43.70	43.23	---	---	---	---	---	---	---	---	---	---
5	43.65	43.24	---	---	---	---	---	---	---	---	---	---
6	43.60	43.21	---	---	---	---	---	---	---	---	---	---
7	43.57	43.20	---	---	---	---	---	---	---	---	---	---
8	43.55	43.16	---	---	---	---	---	---	---	---	---	---
9	43.53	---	---	---	---	---	---	---	---	---	---	---
10	43.51	---	---	---	---	---	---	---	---	---	---	---
11	43.47	---	---	---	---	---	---	---	---	---	---	---
12	43.45	---	---	---	---	---	---	---	---	---	---	---
13	43.46	---	---	---	---	---	---	---	---	---	---	---
14	43.45	---	---	---	---	---	---	---	---	---	---	---
15	43.46	---	---	---	---	---	---	---	---	---	---	---
16	43.43	---	---	---	---	---	---	---	---	---	---	---
17	43.39	---	---	---	---	---	---	---	---	---	---	---
18	43.37	---	---	---	---	---	---	---	---	---	---	---
19	43.42	---	---	---	---	---	---	---	---	---	---	---
20	43.42	---	---	---	---	---	---	---	---	---	---	---
21	43.41	---	---	---	---	---	---	---	---	---	---	---
22	43.39	---	---	---	---	---	---	---	---	---	---	---
23	43.37	---	---	---	---	---	---	---	---	---	---	---
24	43.36	---	---	---	---	---	---	---	---	---	---	---
25	43.34	---	---	---	---	---	---	---	---	---	---	---
26	43.33	---	---	---	---	---	---	---	---	---	---	---
27	43.31	---	---	---	---	---	---	---	---	---	---	---
28	43.29	---	---	---	---	---	---	---	---	---	---	---
29	43.29	---	---	---	---	---	---	---	---	---	---	---
30	43.28	---	---	---	---	---	---	---	---	---	---	---
31	43.26	---	---	---	---	---	---	---	---	---	---	---

WTR YR 2005 MEAN 43.41 MAX 43.74 MIN 43.16



GROUND-WATER LEVELS
 GREENE COUNTY—Continued

353135077332702. County number, GR-111; L18 Lizzie.

LOCATION.--Lat 35°31'36", long 77°33'26", Hydrologic Unit 03020203, near Lizzie, 200 ft west of Secondary Road 1345. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 2 in., screened interval from 10 to 20 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 72.83 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 3.26 ft above land-surface datum.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project.

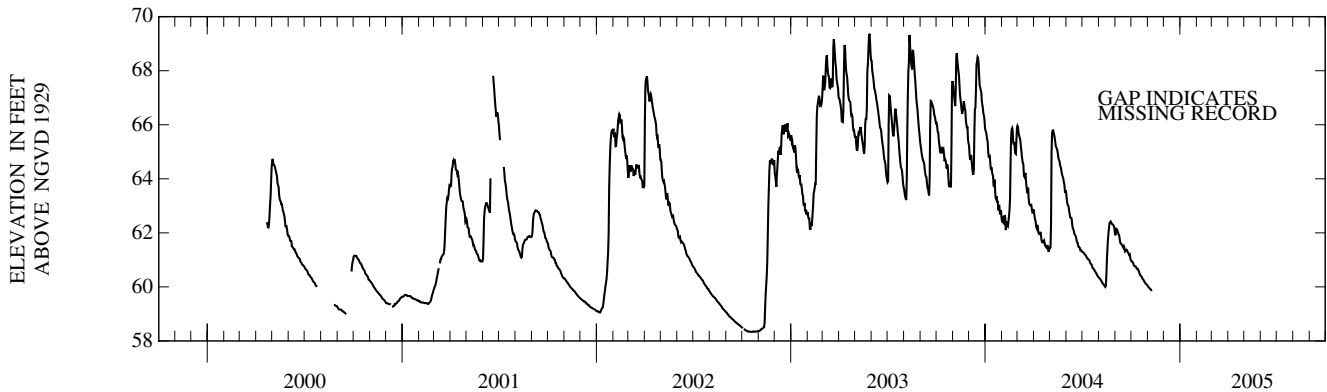
PERIOD OF RECORD.--April 2000 to November 2004 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 69.41 ft above NGVD of 1929, Aug. 11, 2003; lowest water level recorded, 58.33 ft above NGVD of 1929, Oct. 17, 2002.

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.95	60.02	---	---	---	---	---	---	---	---	---	---
2	60.94	60.00	---	---	---	---	---	---	---	---	---	---
3	60.92	59.97	---	---	---	---	---	---	---	---	---	---
4	60.90	59.95	---	---	---	---	---	---	---	---	---	---
5	60.83	59.93	---	---	---	---	---	---	---	---	---	---
6	60.78	59.91	---	---	---	---	---	---	---	---	---	---
7	60.76	59.88	---	---	---	---	---	---	---	---	---	---
8	60.76	59.85	---	---	---	---	---	---	---	---	---	---
9	60.75	---	---	---	---	---	---	---	---	---	---	---
10	60.73	---	---	---	---	---	---	---	---	---	---	---
11	60.67	---	---	---	---	---	---	---	---	---	---	---
12	60.66	---	---	---	---	---	---	---	---	---	---	---
13	60.66	---	---	---	---	---	---	---	---	---	---	---
14	60.61	---	---	---	---	---	---	---	---	---	---	---
15	60.58	---	---	---	---	---	---	---	---	---	---	---
16	60.51	---	---	---	---	---	---	---	---	---	---	---
17	60.45	---	---	---	---	---	---	---	---	---	---	---
18	60.42	---	---	---	---	---	---	---	---	---	---	---
19	60.41	---	---	---	---	---	---	---	---	---	---	---
20	60.38	---	---	---	---	---	---	---	---	---	---	---
21	60.34	---	---	---	---	---	---	---	---	---	---	---
22	60.30	---	---	---	---	---	---	---	---	---	---	---
23	60.27	---	---	---	---	---	---	---	---	---	---	---
24	60.25	---	---	---	---	---	---	---	---	---	---	---
25	60.21	---	---	---	---	---	---	---	---	---	---	---
26	60.17	---	---	---	---	---	---	---	---	---	---	---
27	60.14	---	---	---	---	---	---	---	---	---	---	---
28	60.11	---	---	---	---	---	---	---	---	---	---	---
29	60.10	---	---	---	---	---	---	---	---	---	---	---
30	60.08	---	---	---	---	---	---	---	---	---	---	---
31	60.06	---	---	---	---	---	---	---	---	---	---	---

WTR YR 2005 MEAN 60.39 MAX 60.95 MIN 59.85



GREENE COUNTY—Continued

353027077340102. County number, GR-115; L20.

LOCATION.--Lat 35°30'28", long 77°34'00", Hydrologic Unit 03020203, .75 mi south of Secondary Road 1335, off Secondary Road 1342, near Maury.

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 22.7 ft, diameter 2 in., screened interval from 12.07 to 15.07 ft.

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

DATUM.--Land-surface datum is 79.27 ft above NGVD of 1929. Measuring point: Top of protective outer casing, 2.41 ft above land-surface datum.

REMARKS.--Well is part of the National Water Quality Assessment Program (NAWQA).

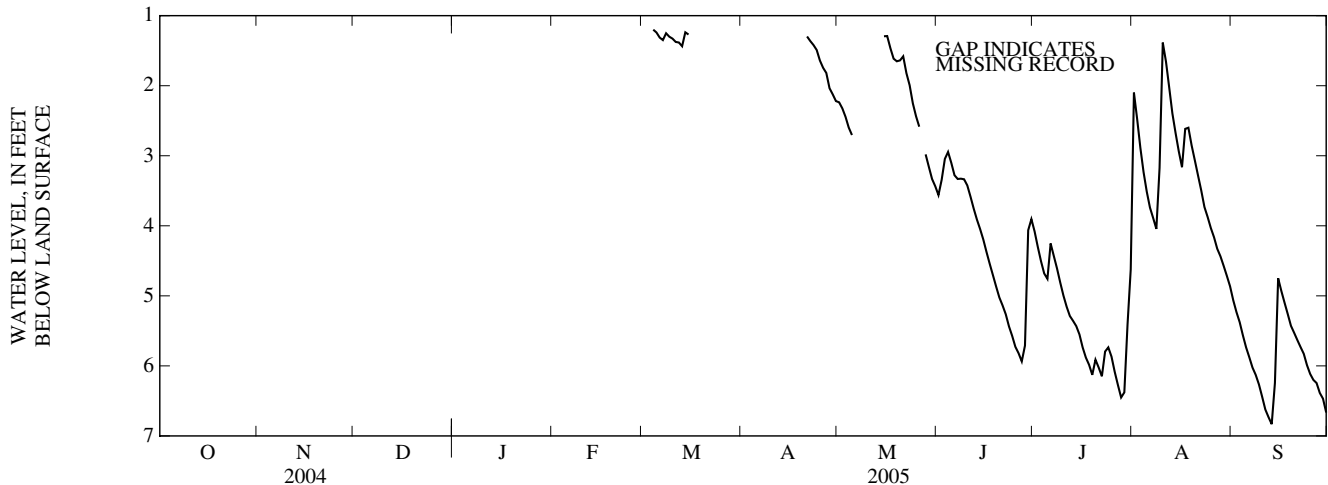
PERIOD OF RECORD.--March 2005 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded undetermined due to instrument failure; lowest water level recorded, 6.9 ft below land-surface datum, Sept. 13, 14, 2005.

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	---	---	---	---	---	---	---	2.2	3.6	4.1	2.1	5.1
2	---	---	---	---	---	---	---	2.3	3.3	4.3	2.5	5.2
3	---	---	---	---	---	---	---	2.4	3.0	4.5	2.9	5.4
4	---	---	---	---	---	1.2	---	2.6	2.9	4.7	3.2	5.6
5	---	---	---	---	---	1.2	---	2.7	3.1	4.8	3.5	5.7
6	---	---	---	---	---	1.3	---	---	3.3	4.3	3.7	5.9
7	---	---	---	---	---	1.3	---	---	3.3	4.4	3.9	6.0
8	---	---	---	---	---	1.3	---	---	3.3	4.6	4.0	6.1
9	---	---	---	---	---	1.3	---	---	3.3	4.8	3.2	6.3
10	---	---	---	---	---	1.3	---	---	3.4	5.0	1.4	6.4
11	---	---	---	---	---	1.4	---	---	3.6	5.2	1.7	6.6
12	---	---	---	---	---	1.4	---	---	3.8	5.3	2.0	6.7
13	---	---	---	---	---	1.4	---	---	3.9	5.4	2.4	6.8
14	---	---	---	---	---	1.2	---	---	4.0	5.4	2.7	6.2
15	---	---	---	---	---	1.3	---	1.3	4.2	5.6	2.9	4.7
16	---	---	---	---	---	---	---	1.3	4.4	5.7	3.2	4.9
17	---	---	---	---	---	---	---	1.5	4.5	5.9	2.6	5.1
18	---	---	---	---	---	---	---	1.6	4.7	6.0	2.6	5.3
19	---	---	---	---	---	---	---	1.7	4.9	6.1	2.9	5.4
20	---	---	---	---	---	---	---	1.6	5.0	5.9	3.1	5.5
21	---	---	---	---	---	---	1.3	1.6	5.1	6.0	3.3	5.6
22	---	---	---	---	---	---	1.4	1.8	5.3	6.1	3.5	5.7
23	---	---	---	---	---	---	1.4	2.0	5.4	5.8	3.7	5.8
24	---	---	---	---	---	---	1.5	2.3	5.6	5.7	3.9	6.0
25	---	---	---	---	---	---	1.6	2.4	5.7	5.9	4.0	6.1
26	---	---	---	---	---	---	1.7	2.6	5.8	6.1	4.2	6.2
27	---	---	---	---	---	---	1.8	---	5.9	6.3	4.3	6.2
28	---	---	---	---	---	---	2.0	3.0	5.7	6.5	4.4	6.4
29	---	---	---	---	---	---	2.1	3.2	4.1	6.4	4.6	6.5
30	---	---	---	---	---	---	2.2	3.3	3.9	5.4	4.7	6.7
31	---	---	---	---	---	---	---	3.4	---	4.6	4.9	---

WTR YR 2005 MEAN 4.0 HIGH 1.2 LOW 6.8



353027077340102. County number GR-115. L20.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1999, 2001, October 2004 to September 2005.

REMARKS.--Well is part of National Water Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	
Date		Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
Date		Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
Date		Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)
MAR 03...	1400	22.7	1.25	79.27	5.02	.30	2.5	759	.2	2	5.0	47	14.2	
MAY 27...	0830	22.7	2.83	79.27	6.60	.50	1.3	756	.2	2	4.9	50	15.1	
AUG 24...	1000	22.7	3.92	79.27	7.69	.30	.7	758	.1	1	5.0	49	19.0	
MAR 03...	7	2.40	.325	.38	.6	3.73	4	4	.04	7.78	.1	13.0	.9	
MAY 27...	6	2.04	.325	.30	.7	3.96	7	8	.07	7.79	.1	12.2	1.1	
AUG 24...	7	2.14	.297	.41	.6	3.71	6	7	.08	7.86	.1	13.5	.9	
MAR 03...	39	<.04	<.06	<.008	E.05	.121	--	--	--	--	--	--	--	
MAY 27...	43	<.04	<.06	<.008	E.04	.293	--	--	--	--	--	--	--	
AUG 24...	40	<.04	<.06	<.008	<.06	.300	92	<.20	.4	16	.18	9	<.04	
MAR 03...	--	--	--	702	--	--	6.0	--	--	--	--	--	--	
MAY 27...	--	--	--	2,160	--	--	5.6	--	--	--	--	--	--	
AUG 24...	<.8	.451	<.4	1,870	E.07	1.4	5.5	<.4	1.55	<.4	<.2	15.3	<.04	

353027077340102. County number GR-115. L20.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water fltrd, 0.7u GF ug/L (82660)	2Chloro -2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	<.09	<.006	<.005	<.006	<.004	<.004	--	<.006	<.006	<.005	--
AUG 24...	.6	5.1	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.006	<.006	<.005	<.005
Date	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd, 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyflu-thrin, water, fltrd, ug/L (61585)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--
AUG 24...	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009
Date	Cyber-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF ug/L (82662)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	<.009	<.003	<.012	<.005	<.08	<.009	<.006	--	--	--	--	<.0020	<.004
AUG 24...	<.009	<.003	<.012	<.005	<.08	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.004
Date	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030
AUG 24...	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030

353027077340102. County number GR-115. L20.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Myclo- butanil water, fltrd, ug/L (61599)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--	<.022	<.10	<.011
AUG 24...	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007	<.022	<.10	<.011

Date	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Terbu- fos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 27...	--	--	<.01	<.005	<.004	--	--	<.005	<.02	--	<.07	<.02	<.01
AUG 24...	<.05	<.008	<.01	<.005	<.004	<.011	<.02	<.005	<.02	<.008	<.07	<.02	<.01

Date	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)
MAR 03...	--	--	--	--	--	--
MAY 27...	--	--	--	<.009	<.01	--
AUG 24...	<.010	<.01	<.004	<.009	<.01	E.03

GROUND-WATER LEVELS

GREENE COUNTY—Continued

353103077333406. County number, GR-147; L55.

LOCATION.--Lat 35°31'04", long 77°33'33", Hydrologic Unit 03020203, near Lizzie, 20 ft north of Secondary Road 1335. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Yorktown.

WELL CHARACTERISTICS.--Drilled observation well, depth 70 ft, diameter 2 in., screened interval from 50 to 70 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 77.46 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.41 ft above land-surface datum.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project. Minimum for period of record affected by pumping.

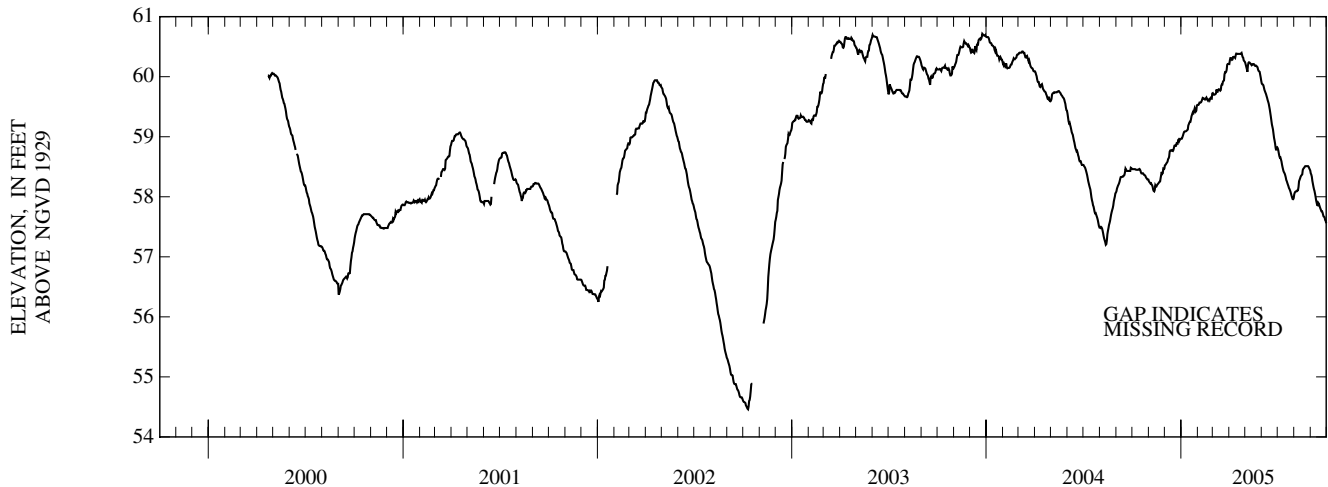
PERIOD OF RECORD.--April 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.72 ft above NGVD of 1929, Dec. 24, 25, 2003; lowest water level recorded, 54.46 ft above NGVD of 1929, Oct. 10, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

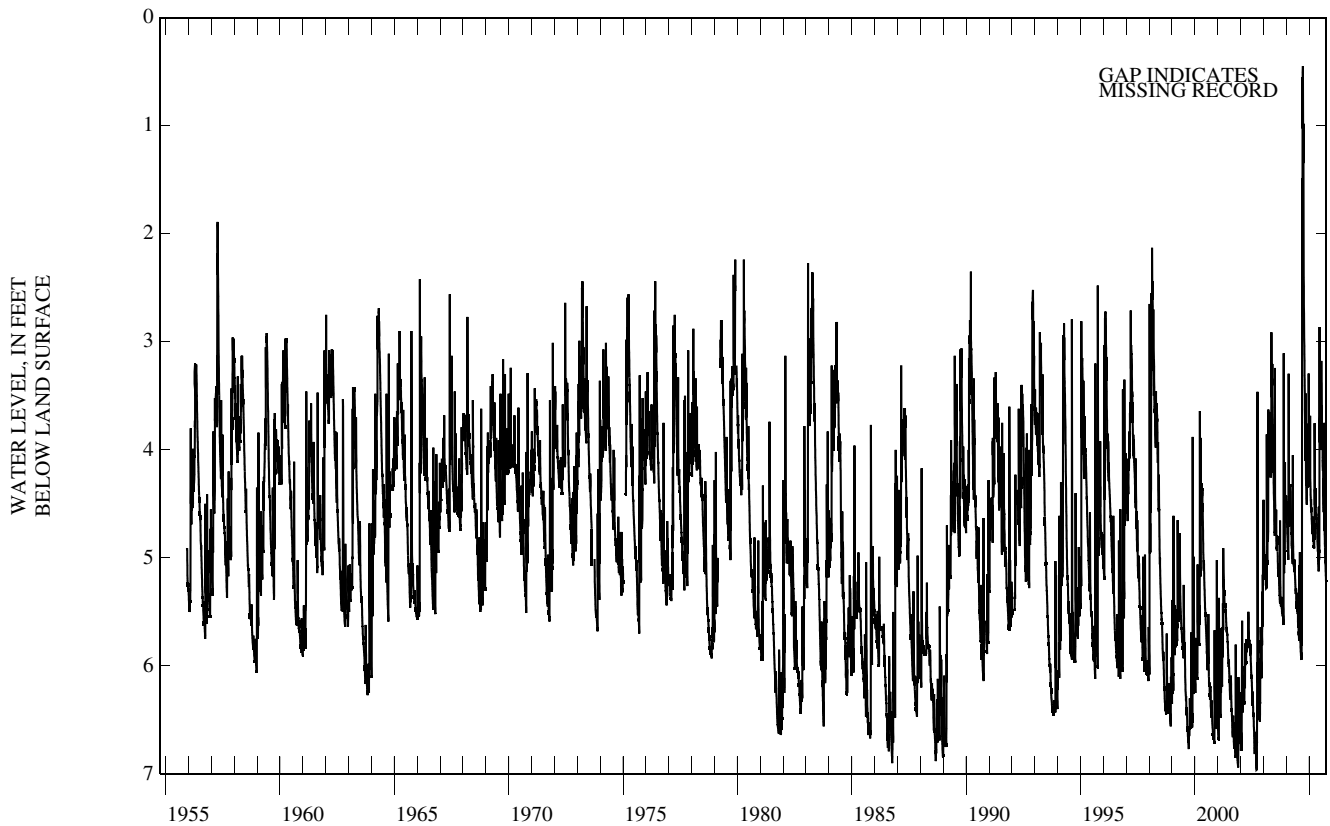
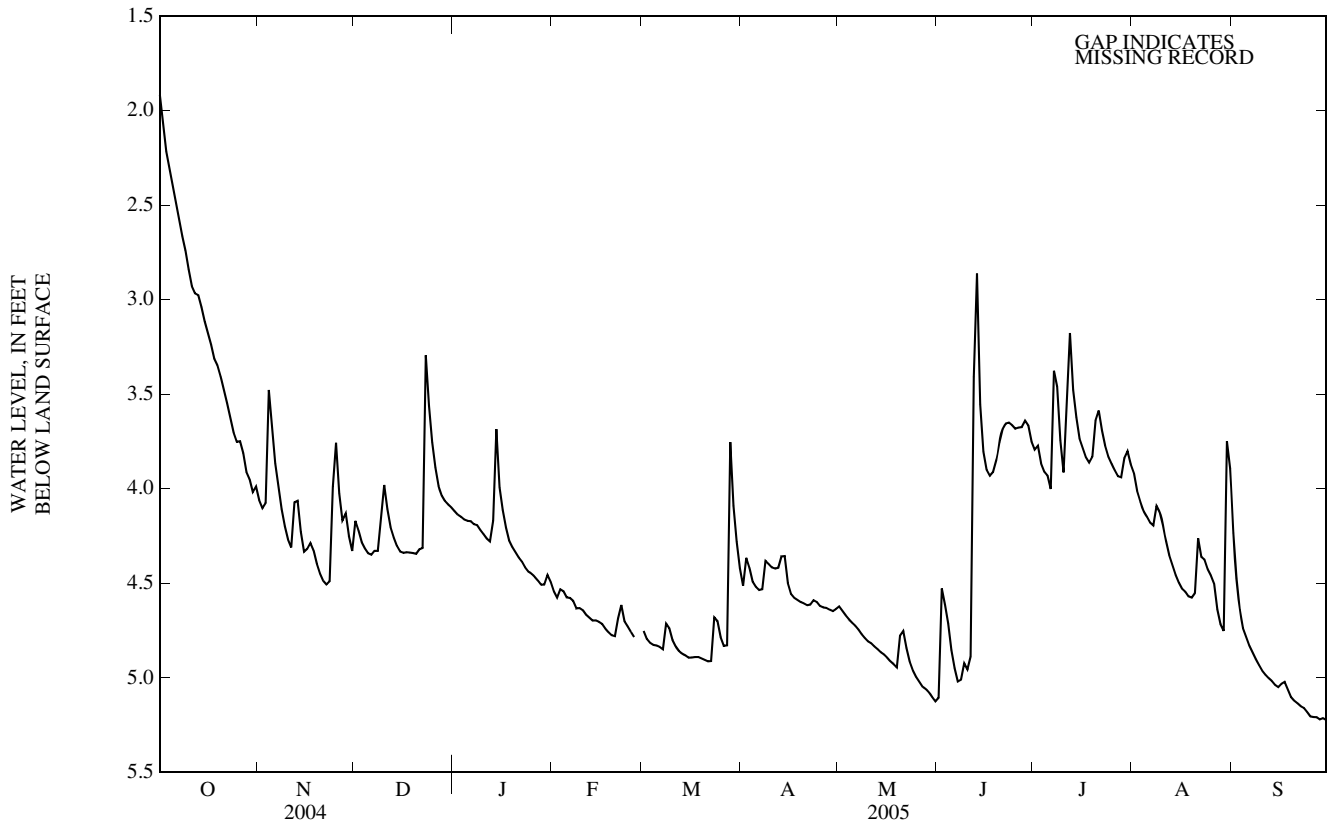
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.46	58.26	58.52	58.97	59.53	59.73	60.21	60.23	59.89	58.81	58.04	58.39
2	58.46	58.24	58.53	58.97	59.53	59.71	60.27	60.20	59.87	58.77	58.07	58.37
3	58.46	58.23	58.54	59.00	59.54	59.70	60.31	60.16	59.87	58.72	58.08	58.33
4	58.46	58.22	58.56	59.02	59.57	59.70	60.31	60.12	59.86	58.68	58.09	58.26
5	58.46	58.22	58.57	59.05	59.57	59.70	60.29	60.08	59.82	58.65	58.09	58.22
6	58.46	58.20	58.59	59.08	59.57	59.71	60.28	60.19	59.78	58.65	58.09	58.17
7	58.45	58.19	58.63	59.09	59.57	59.72	60.29	60.23	59.76	58.62	58.11	58.13
8	58.45	58.17	58.64	59.09	59.60	59.79	60.33	60.24	59.73	58.59	58.11	58.10
9	58.45	58.12	58.67	59.09	59.62	59.75	60.33	60.24	59.71	58.54	58.16	58.05
10	58.45	58.10	58.75	59.09	59.65	59.75	60.32	60.23	59.68	58.49	58.26	58.00
11	58.45	58.09	58.77	59.10	59.64	59.77	60.32	60.22	59.65	58.45	58.28	57.94
12	58.45	58.12	58.77	59.11	59.64	59.79	60.31	60.20	59.61	58.42	58.31	57.90
13	58.46	58.19	58.78	59.12	59.63	59.79	60.36	60.19	59.58	58.40	58.34	57.86
14	58.46	58.17	58.77	59.19	59.62	59.78	60.38	60.20	59.55	58.39	58.35	57.86
15	58.46	58.17	58.76	59.21	59.62	59.77	60.38	60.21	59.50	58.36	58.36	57.90
16	58.44	58.19	58.76	59.23	59.64	59.78	60.38	60.21	59.45	58.32	58.37	57.89
17	58.41	58.20	58.78	59.25	59.65	59.85	60.38	60.21	59.39	58.28	58.45	57.86
18	58.39	58.21	58.82	59.25	59.63	59.87	60.38	60.20	59.33	58.26	58.47	57.83
19	58.39	58.23	58.85	59.29	59.61	59.87	60.38	60.18	59.27	58.23	58.48	57.81
20	58.39	58.24	58.86	59.34	59.60	59.92	60.38	60.18	59.20	58.20	58.49	57.78
21	58.39	58.25	58.85	59.37	59.62	59.93	60.38	60.18	59.16	58.18	58.51	57.76
22	58.38	58.25	58.85	59.40	59.62	59.94	60.38	60.17	59.12	58.15	58.51	57.76
23	58.36	58.31	58.89	59.42	59.61	60.04	60.39	60.17	59.05	58.13	58.51	57.74
24	58.36	58.36	58.90	59.40	59.64	60.07	60.40	60.16	58.98	58.11	58.51	57.71
25	58.35	58.41	58.89	59.43	59.65	60.07	60.36	60.12	58.94	58.08	58.51	57.67
26	58.33	58.38	58.95	59.47	59.63	60.08	60.33	60.10	58.89	58.05	58.51	57.67
27	58.31	58.39	58.96	59.45	59.63	60.11	60.32	60.09	58.82	58.02	58.51	57.66
28	58.30	58.47	58.93	59.42	59.72	60.20	60.27	60.08	58.77	57.99	58.50	57.61
29	58.29	58.46	58.95	59.43	---	60.21	60.26	60.03	58.81	57.96	58.48	57.60
30	58.29	58.47	58.96	59.52	---	60.21	60.25	59.98	58.82	57.96	58.46	57.56
31	58.29	---	58.96	59.53	---	60.21	---	59.93	---	57.98	58.44	---

WTR YR 2005 MEAN 59.05 MAX 60.40 MIN 57.56



HAYWOOD COUNTY—Continued

352315082484401. Local number, NC-40; County number, HW-047.



GROUND-WATER LEVELS

IREDELL COUNTY

353135080524201. County number, IR-130; DENR Langtree Research Station MW-2S (Regolith well).

LOCATION.--Lat 35°31'35", long 80°52'42", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 28 ft, diameter 4 in., cased to 13 ft, screened interval from 13 to 28 ft, sand filter packed from 10 to 28 ft.

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

DATUM.--Land-surface datum is 803.08 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelter floor, 1.08 ft above land-surface datum.

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

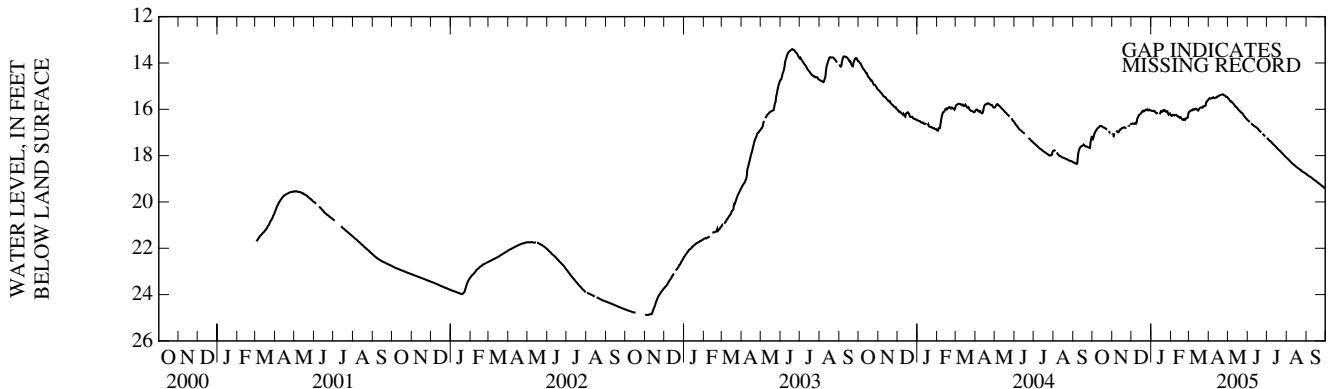
PERIOD OF RECORD.--March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.39 ft below land-surface datum, June 19, 2003; lowest water level recorded, 24.91 ft below land-surface datum, Nov. 5, 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	17.33	---	16.63	16.06	16.27	16.12	15.56	15.53	16.48	17.23	18.10	18.81
2	17.25	17.13	16.63	16.07	16.28	16.09	15.52	15.55	16.50	17.26	18.13	18.83
3	17.15	17.16	16.61	16.07	16.25	16.07	15.54	15.59	16.52	17.31	18.15	18.85
4	17.05	17.03	16.62	16.07	16.23	16.05	15.53	15.62	16.55	17.33	18.18	18.87
5	16.98	---	16.63	16.06	16.25	16.03	15.53	15.66	---	17.35	18.21	18.89
6	16.94	---	16.61	16.07	16.27	16.04	15.52	15.66	16.61	17.37	18.24	18.91
7	16.89	16.92	16.59	16.13	16.25	16.00	15.49	15.68	16.63	17.39	18.27	18.93
8	16.85	16.94	16.62	16.14	16.25	16.01	15.48	15.72	16.65	17.43	18.30	18.94
9	16.81	16.98	16.56	16.17	16.24	16.02	15.51	15.75	16.68	17.46	18.32	18.96
10	16.79	16.99	16.40	16.16	16.27	15.99	15.52	15.78	16.70	17.49	18.35	18.98
11	16.78	16.97	16.35	16.19	16.30	15.97	15.50	15.82	16.73	17.52	18.37	19.01
12	16.74	16.92	16.28	---	16.31	15.98	15.49	15.86	16.74	17.54	18.39	19.03
13	16.72	16.88	16.24	---	16.34	16.00	15.49	15.89	16.76	17.57	18.42	19.05
14	16.72	16.87	16.22	16.22	16.35	16.03	15.45	15.90	16.78	17.59	18.44	19.07
15	16.72	16.84	16.20	16.16	16.37	16.05	15.45	15.93	16.80	17.62	18.47	19.09
16	16.74	16.81	16.16	16.08	16.35	16.02	15.44	15.97	16.82	17.65	18.49	19.11
17	16.77	16.80	16.12	16.09	16.39	15.97	15.41	16.01	16.85	17.68	18.51	19.13
18	16.78	16.79	16.08	16.10	16.43	15.95	15.39	16.04	16.89	17.71	18.53	19.15
19	16.78	16.78	16.06	16.05	16.45	15.93	15.38	16.07	16.92	17.74	18.55	19.18
20	16.80	16.78	16.09	16.03	16.46	15.92	15.37	16.08	16.95	17.77	18.57	19.20
21	16.82	16.80	16.07	16.06	16.43	15.93	15.37	16.13	16.97	17.79	18.59	19.22
22	16.85	16.80	16.06	16.04	16.44	15.93	15.36	16.15	16.99	17.81	18.61	19.24
23	16.86	16.79	16.02	16.10	16.45	15.88	15.35	16.16	---	17.85	18.63	19.26
24	16.87	---	16.02	16.10	16.40	15.87	15.37	16.20	17.05	17.88	18.66	19.29
25	---	16.72	16.01	16.09	16.37	15.86	15.40	16.25	17.08	17.91	18.69	19.31
26	16.95	---	16.00	16.09	16.38	15.86	15.41	16.28	17.11	17.93	18.70	19.32
27	16.97	16.71	16.05	16.17	16.35	15.83	15.42	16.32	17.14	17.96	18.71	19.35
28	17.01	---	16.05	16.23	16.17	15.69	15.47	16.35	17.16	17.99	18.73	19.37
29	17.01	16.67	16.02	16.20	---	15.66	15.46	16.39	---	18.03	18.75	19.40
30	---	16.64	16.03	16.18	---	15.62	15.48	16.42	---	18.05	18.76	19.43
31	17.07	---	16.04	16.23	---	15.60	---	16.45	---	18.08	18.78	---

WTR YR 2005 MEAN 16.83 HIGH 15.35 LOW 19.43



IREDELL COUNTY—Continued

353135080524202. County number, IR-131; DENR Langtree Research Station MW-2I (Transition zone well).

LOCATION.--Lat 35°31'36", long 80°52'42", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 48 ft, diameter 4 in., cased to 33 ft, screened interval from 33 to 48 ft.

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

DATUM.--Land-surface datum is 802.89 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelter floor, 0.93 ft above land-surface datum.

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

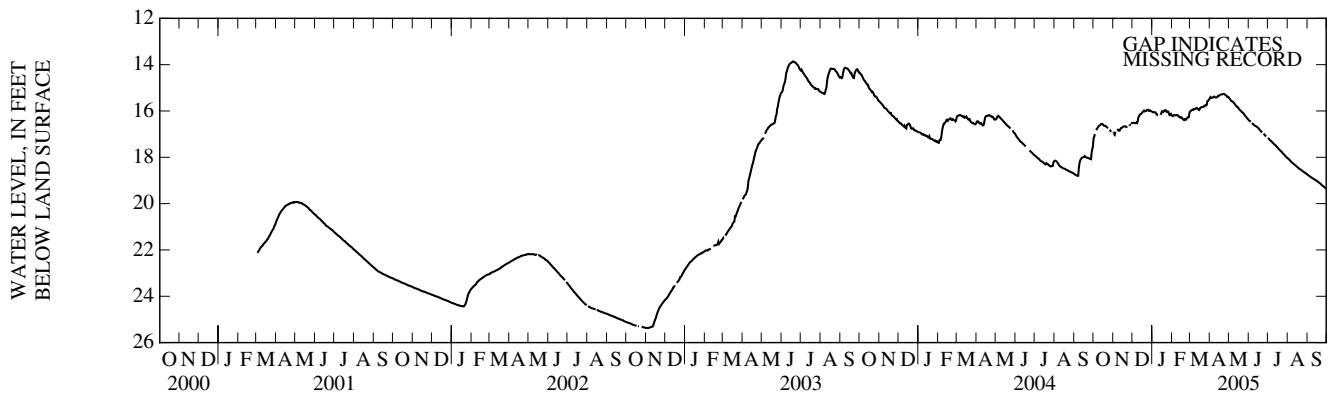
PERIOD OF RECORD.--March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.85 ft below land-surface datum, June 19, 2003; lowest water level recorded, 25.38 ft below land-surface datum, Nov. 3, 5, 6, 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	17.19	---	16.52	16.04	16.21	16.02	15.45	15.44	16.40	17.16	18.05	18.76
2	17.11	17.00	16.52	16.05	16.23	16.00	15.40	15.47	16.42	17.19	18.07	18.77
3	17.00	17.03	16.51	16.06	16.19	15.98	15.43	15.51	16.44	17.23	18.10	18.80
4	---	16.89	16.52	16.06	16.17	15.96	15.43	15.55	16.46	17.26	18.13	18.82
5	16.83	---	16.53	16.05	16.18	15.94	15.43	15.58	---	17.28	18.16	18.84
6	16.78	---	16.52	16.06	16.19	15.95	15.42	15.58	16.52	17.31	18.18	18.86
7	16.74	16.78	16.50	16.12	16.18	15.91	15.39	15.60	16.56	17.33	18.21	18.88
8	16.69	16.81	16.53	16.13	16.18	15.91	15.38	15.63	16.58	17.36	18.24	18.89
9	16.66	16.84	16.46	16.18	16.18	15.91	15.41	15.67	16.61	17.39	18.26	18.91
10	16.63	16.86	16.29	16.18	16.20	15.89	15.42	15.70	16.63	17.42	18.28	18.93
11	16.62	16.84	16.23	---	16.23	15.88	15.42	15.74	16.64	17.45	18.31	18.95
12	16.59	16.78	16.18	---	16.24	15.88	15.40	15.78	16.66	17.47	18.33	18.96
13	16.56	16.74	16.14	---	16.27	15.90	15.39	15.81	16.67	17.49	18.35	18.98
14	16.56	16.73	16.13	16.17	16.28	15.94	15.34	15.82	16.70	17.52	18.37	18.99
15	16.57	16.71	16.11	16.10	16.30	15.96	15.34	15.85	16.71	17.56	18.40	19.01
16	16.60	16.68	16.07	16.02	16.28	15.93	15.33	15.89	16.75	17.58	18.43	19.03
17	16.63	16.67	16.04	16.04	16.33	15.87	15.31	15.93	16.78	17.62	18.45	19.05
18	16.64	16.67	16.01	16.05	16.36	15.84	15.29	15.96	16.81	17.65	18.47	19.08
19	16.64	16.66	15.98	15.99	16.38	15.84	15.29	15.98	16.85	17.68	18.50	19.10
20	16.65	16.67	16.02	15.98	16.39	15.83	15.28	16.00	16.88	17.70	18.52	19.12
21	16.68	16.69	16.01	16.00	16.35	15.83	15.28	16.05	16.90	17.73	18.53	19.14
22	16.71	16.68	16.00	15.98	16.36	15.83	15.27	16.06	16.92	17.76	18.55	19.17
23	16.72	16.68	15.96	16.03	16.37	15.78	15.26	16.08	---	17.79	18.57	19.19
24	16.73	---	15.97	16.04	16.31	15.78	15.28	16.12	16.98	17.83	18.60	19.22
25	---	16.61	15.95	16.02	16.28	15.76	15.31	16.16	17.01	17.85	18.62	19.25
26	16.82	---	15.95	16.03	16.29	15.76	15.32	16.20	17.04	17.88	18.63	19.26
27	16.84	16.59	16.00	16.12	16.27	15.74	15.34	16.23	17.07	17.91	18.65	19.29
28	16.88	---	16.00	16.17	16.08	15.58	15.39	16.27	17.10	17.94	18.67	19.31
29	16.88	16.55	15.98	16.15	---	15.57	15.39	16.31	---	17.98	18.70	19.34
30	---	16.52	16.00	16.12	---	15.53	15.40	16.33	---	18.00	18.71	19.37
31	16.94	---	16.02	16.18	---	15.50	---	16.37	---	18.02	18.73	---

WTR YR 2005 MEAN 16.75 HIGH 15.26 LOW 19.37



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353135080524203. County number, IR-132; DENR Langtree Research Station MW-2D (Bedrock well).

LOCATION.--Lat 35°31'36", long 80°52'42", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6 in., cased to 53 ft, open hole from 53 to 400 ft.

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

DATUM.--Land-surface datum is 802.69 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelter floor, 1.40 ft above land-surface datum.

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

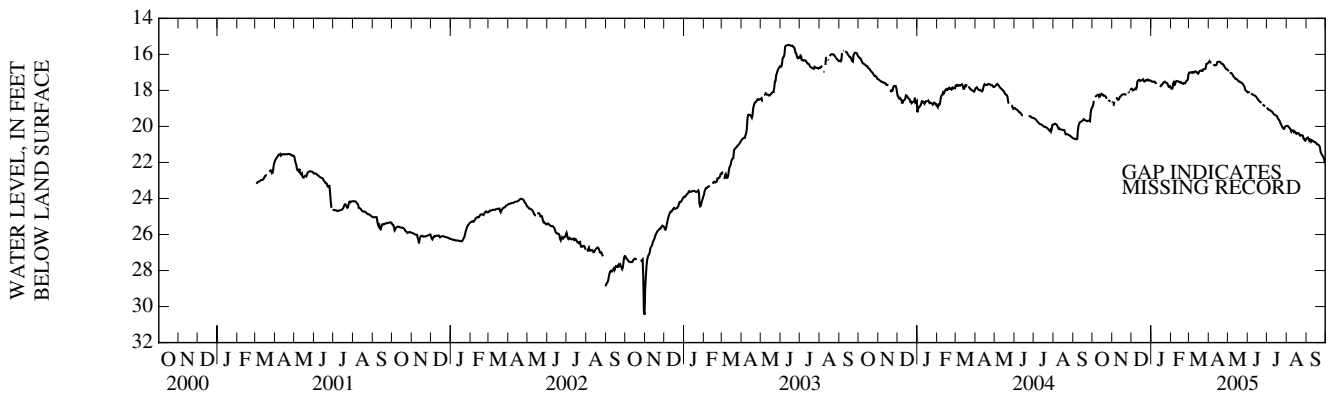
PERIOD OF RECORD.--March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.46 ft below land-surface datum, June 12, 13, 14, 2003; lowest water level recorded, 31.72 ft below land-surface datum, Oct. 30, 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	18.92	---	17.91	17.49	17.90	17.01	16.44	16.89	18.11	18.95	19.97	20.66
2	18.81	18.78	17.92	17.51	17.91	17.00	16.38	16.94	18.10	19.02	19.98	20.65
3	18.58	18.80	18.00	17.52	17.89	17.01	16.43	---	18.10	19.06	19.99	20.62
4	---	18.62	17.99	17.51	17.64	17.01	16.45	16.99	18.10	19.07	20.03	20.69
5	18.37	---	17.97	17.51	17.56	16.99	16.46	17.04	---	19.10	20.08	20.79
6	18.33	---	17.94	17.51	17.70	17.03	---	17.04	18.16	19.12	20.12	20.72
7	18.30	18.38	17.90	17.58	17.69	17.00	---	17.07	18.20	19.14	20.18	20.72
8	18.27	18.43	17.92	17.58	17.52	16.98	16.56	17.12	18.21	19.15	20.29	20.84
9	18.24	18.49	17.85	17.64	17.49	17.01	16.59	17.19	18.25	19.19	20.23	20.78
10	18.25	18.53	17.53	---	17.48	16.97	16.60	17.26	18.27	19.24	20.22	20.78
11	18.34	18.50	17.46	---	17.50	16.94	16.61	17.28	18.27	19.29	20.23	20.81
12	18.26	18.43	17.42	---	17.50	16.95	16.60	17.32	18.29	19.34	20.31	20.84
13	18.31	18.35	17.41	---	17.52	16.99	16.58	17.37	18.32	19.35	20.27	20.85
14	18.23	18.33	17.46	---	17.53	17.04	16.44	17.37	18.35	19.37	20.31	20.87
15	18.19	18.28	17.48	17.82	17.56	17.07	16.42	17.38	18.41	19.39	20.38	20.90
16	18.21	18.25	17.45	17.73	17.54	17.03	16.42	17.42	18.46	19.42	20.41	20.92
17	18.25	18.23	17.43	17.69	17.58	16.95	16.41	17.47	18.51	19.46	20.38	20.99
18	18.30	18.22	17.41	17.68	17.60	16.92	16.41	17.50	18.55	19.56	20.36	21.00
19	18.28	18.21	17.39	17.61	17.63	16.90	16.44	17.53	18.60	19.60	20.37	21.02
20	18.29	18.21	17.47	17.57	17.64	16.90	16.48	17.52	18.63	19.65	20.39	21.04
21	18.33	18.23	17.51	17.53	17.59	16.92	16.52	17.56	18.65	19.71	20.48	21.08
22	18.37	18.23	17.50	17.51	17.60	16.92	16.54	17.58	18.70	19.82	20.52	21.22
23	18.42	18.21	17.44	17.56	17.60	16.83	16.54	17.60	---	19.88	20.50	21.44
24	18.42	---	17.44	17.57	17.52	16.83	16.59	17.64	18.78	19.97	20.48	21.51
25	---	18.12	17.42	17.59	17.46	16.81	16.65	17.70	18.81	20.03	20.50	21.58
26	18.53	---	17.40	17.61	17.45	16.81	16.72	17.75	18.83	20.09	20.51	21.64
27	18.57	18.07	17.46	17.70	17.41	16.79	16.76	17.83	18.86	20.14	20.67	21.70
28	18.59	---	17.46	17.79	17.14	16.53	16.82	17.98	18.88	20.13	20.68	21.75
29	18.61	17.98	17.43	17.77	---	16.52	16.82	18.01	---	20.04	20.77	21.96
30	---	17.93	17.45	17.76	---	16.50	16.84	18.05	---	19.99	20.79	21.92
31	18.65	---	17.46	17.85	---	16.47	---	18.08	---	19.98	20.73	---

WTR YR 2005 MEAN 18.34 HIGH 16.38 LOW 21.96



IREDELL COUNTY—Continued

353144080524601. County number, IR-133; DENR Langtree Research Station GP-1.

LOCATION.--Lat 35°31'44", long 80°52'47", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 38.5 ft, diameter 0.5 in., cased to 29.5 ft, open hole from 29.5 to 38.5 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 805.10 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.85 ft below land-surface datum.

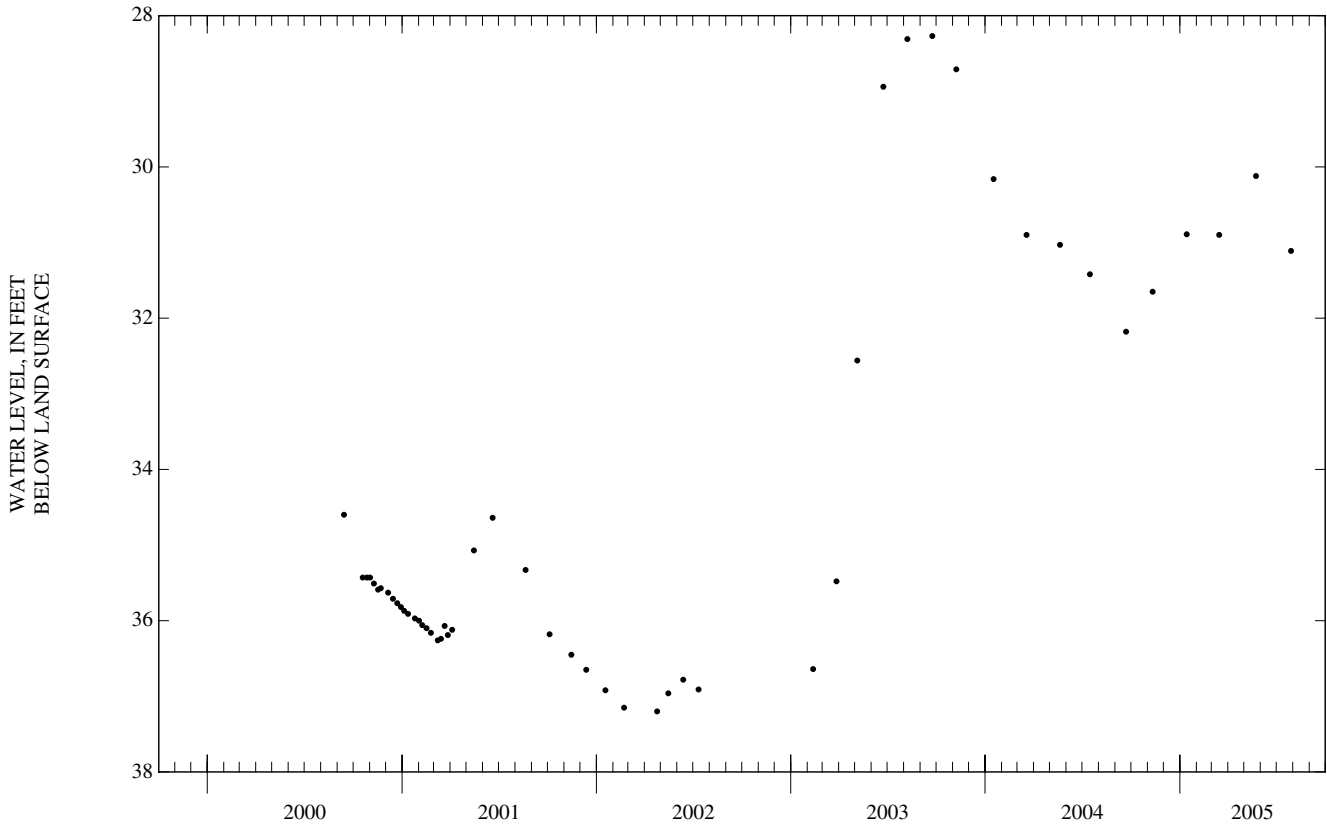
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.27 ft below land-surface datum, Sept. 23, 2003; lowest water level measured, 37.20 ft below land-surface datum, April 24, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	31.65	JAN 13	30.89	MAR 15	30.90	MAY 23	30.12	JUL 28	31.11



GROUND-WATER LEVELS
 IREDELL COUNTY—Continued

353148080524901. County number, IR-134; DENR Langtree Research Station GP-2.

LOCATION.--Lat 35°31'48", long 80°52'49", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77, on Lake Campus road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 36 ft, diameter 0.5 in., cased to 27 ft, open hole from 27 to 36 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 793.48 ft above NGVD of 1929. Measuring point: Top of PVC casing, 3.15 ft below land-surface datum.

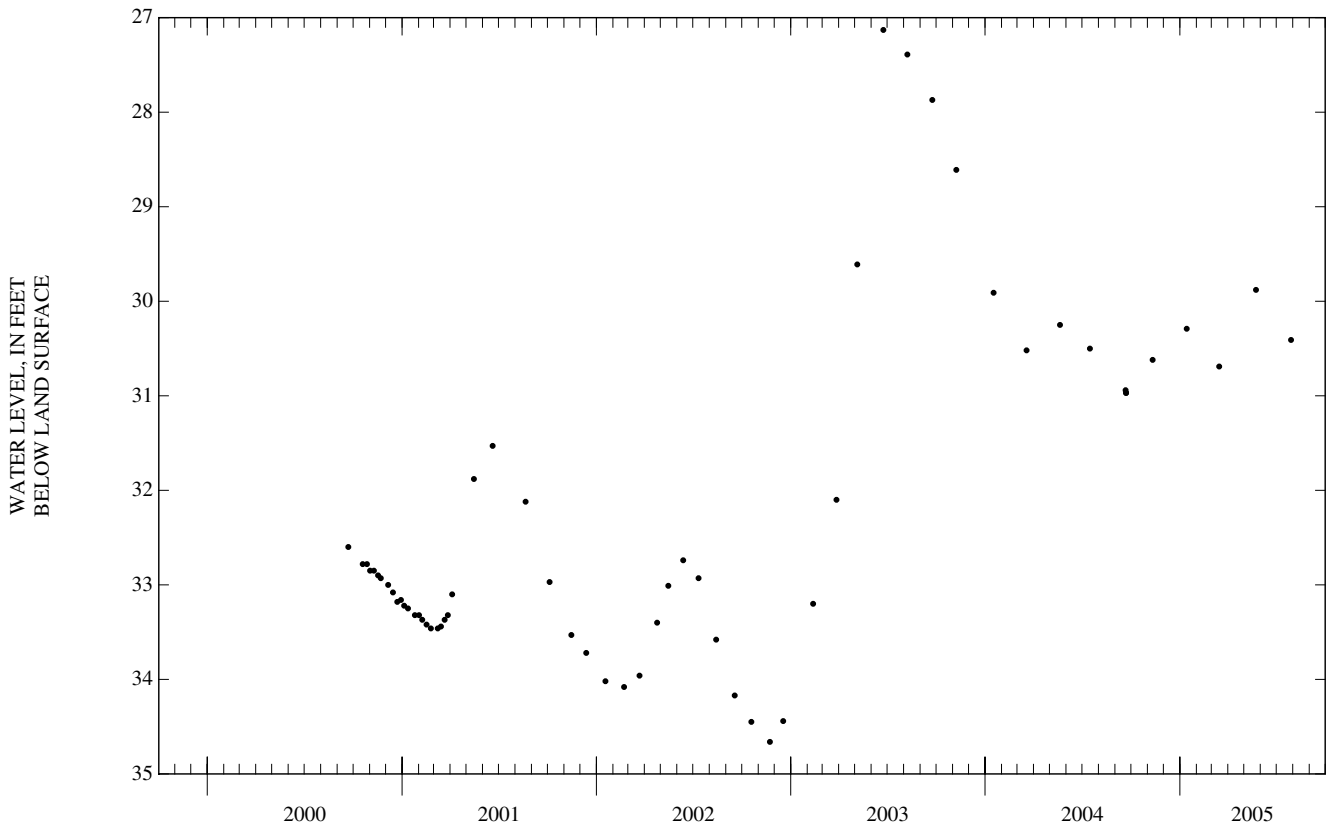
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.13 ft below land-surface datum, June 23, 2003; lowest water level measured, 34.66 ft below land-surface datum, Nov. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	30.62	JAN 13	30.29	MAR 15	30.69	MAY 23	29.88	JUL 28	30.41



IREDELL COUNTY—Continued

353146080524601. County number, IR-135; DENR Langtree Research Station GP-3.

LOCATION.--Lat 35°31'47", long 80°52'47", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 31 ft, diameter 0.5 in., cased to 22 ft, open hole from 22 to 31 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 791.04 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.76 ft below land-surface datum.

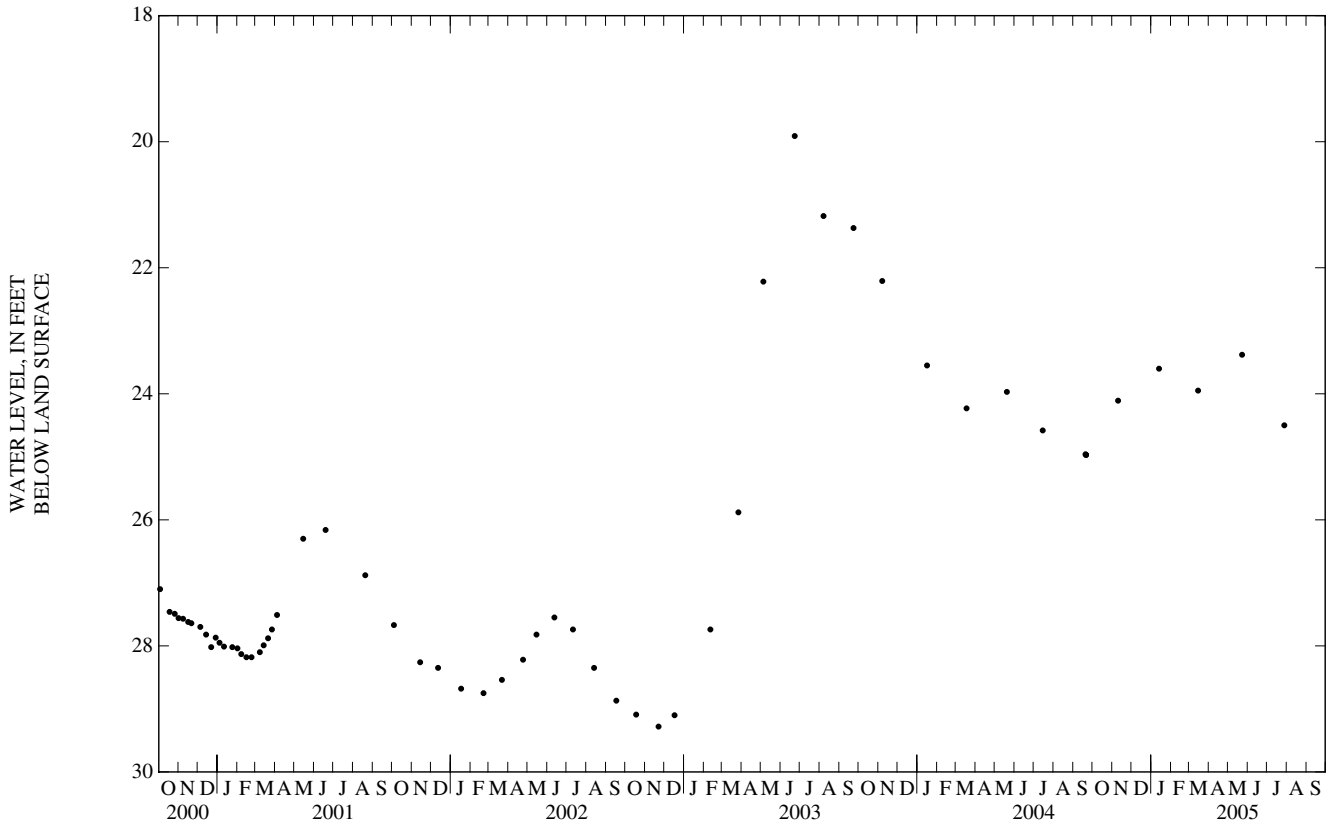
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.91 ft below land-surface datum, June 23, 2003; lowest water level measured, 29.28 ft below land-surface datum, Nov. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	24.11	JAN 13	23.60	MAR 15	23.95	MAY 23	23.38	JUL 28	24.50



GROUND-WATER LEVELS
 IREDELL COUNTY—Continued

353145080524401. County number, IR-136; DENR Langtree Research Station GP-4.

LOCATION.--Lat 35°31'45", long 80°52'44", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 34 ft, diameter 0.5 in., cased to 25 ft, open hole from 25 to 34 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 793.08 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.68 ft below land-surface datum.

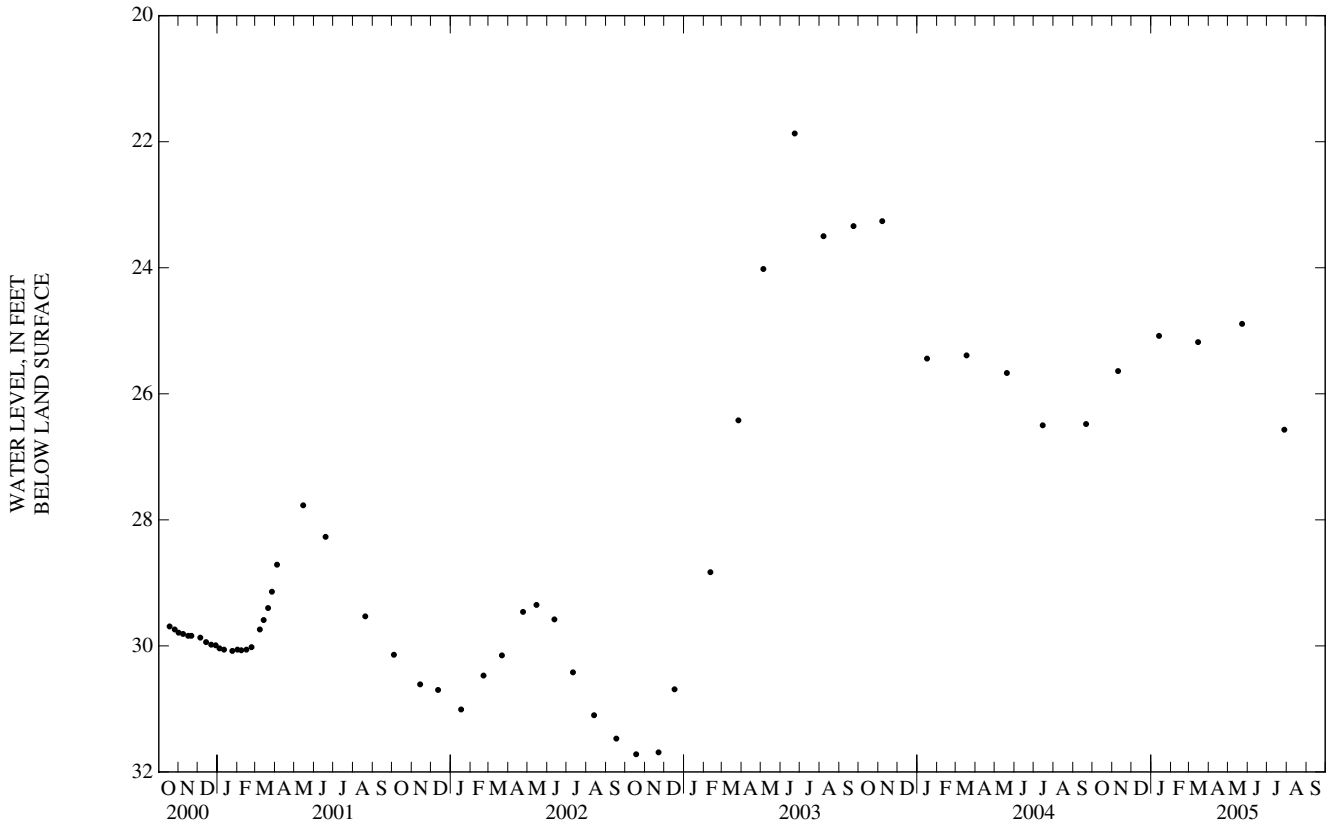
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.87 ft below land-surface datum, June 23, 2003; lowest water level measured, 31.72 ft below land-surface datum, Oct. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	25.64	JAN 13	25.08	MAR 15	25.18	MAY 23	24.89	JUL 28	26.57



IREDELL COUNTY—Continued

353149080524801. County number, IR-137; DENR Langtree Research Station GP-5.

LOCATION.--Lat 35°31'50", long 80°52'48", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 32 ft, diameter 0.5 in., cased to 23 ft, open hole from 23 to 32 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 786.81 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.20 ft below land-surface datum.

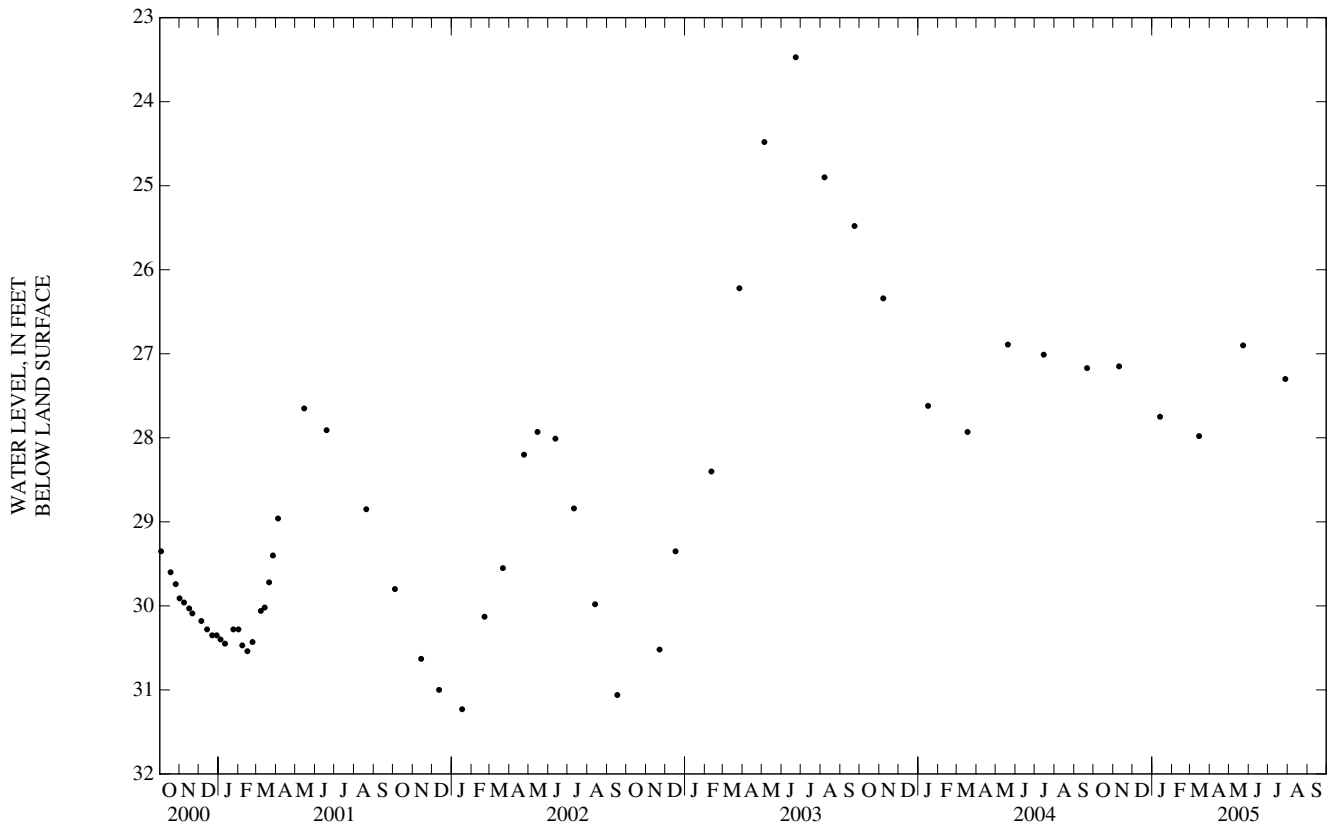
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.47 ft below land-surface datum, June 23, 2003; lowest water level measured, 31.23 ft below land-surface datum, Jan. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	27.15	JAN 13	27.75	MAR 15	27.98	MAY 23	26.90	JUL 28	27.30



GROUND-WATER LEVELS
 IREDELL COUNTY—Continued

353150080524701. County number, IR-138; DENR Langtree Research Station GP-6.

LOCATION.--Lat 35°31'51", long 80°52'48", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 25 ft, diameter 0.5 in., cased to 23 ft, open hole from 16 to 25 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 776.58 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.16 ft below land-surface datum.

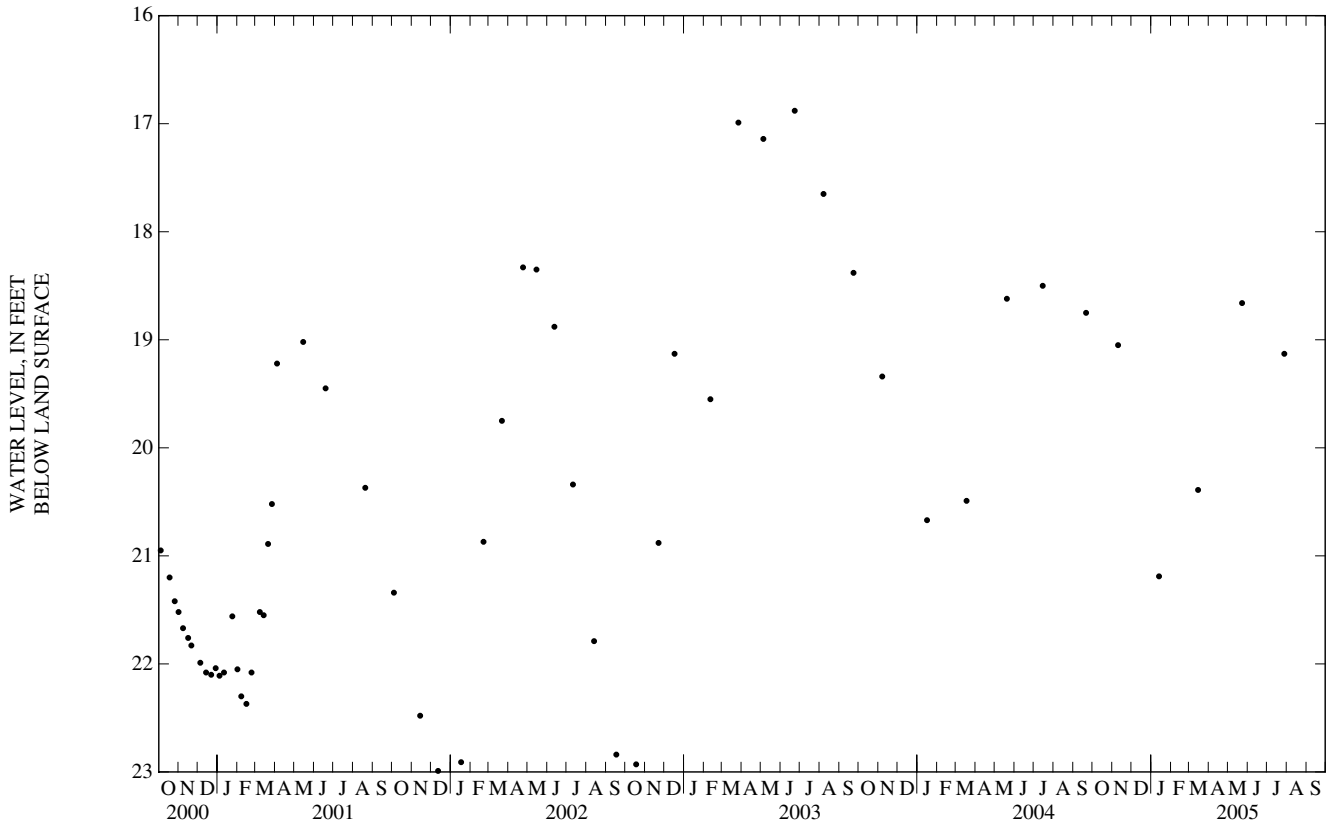
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.14 ft below land-surface datum, May 5, 2003; lowest water level measured, 22.99 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	19.05	JAN 13	21.19	MAR 15	20.39	MAY 23	18.66	JUL 28	19.13



IREDELL COUNTY—Continued

353151080524701. County number, IR-139; DENR Langtree Research Station GP-7.

LOCATION.--Lat 35°31'52", long 80°52'47", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 18 ft, diameter 0.5 in., cased to 9 ft, open hole from 9 to 18 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 767.37 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.17 ft below land-surface datum.

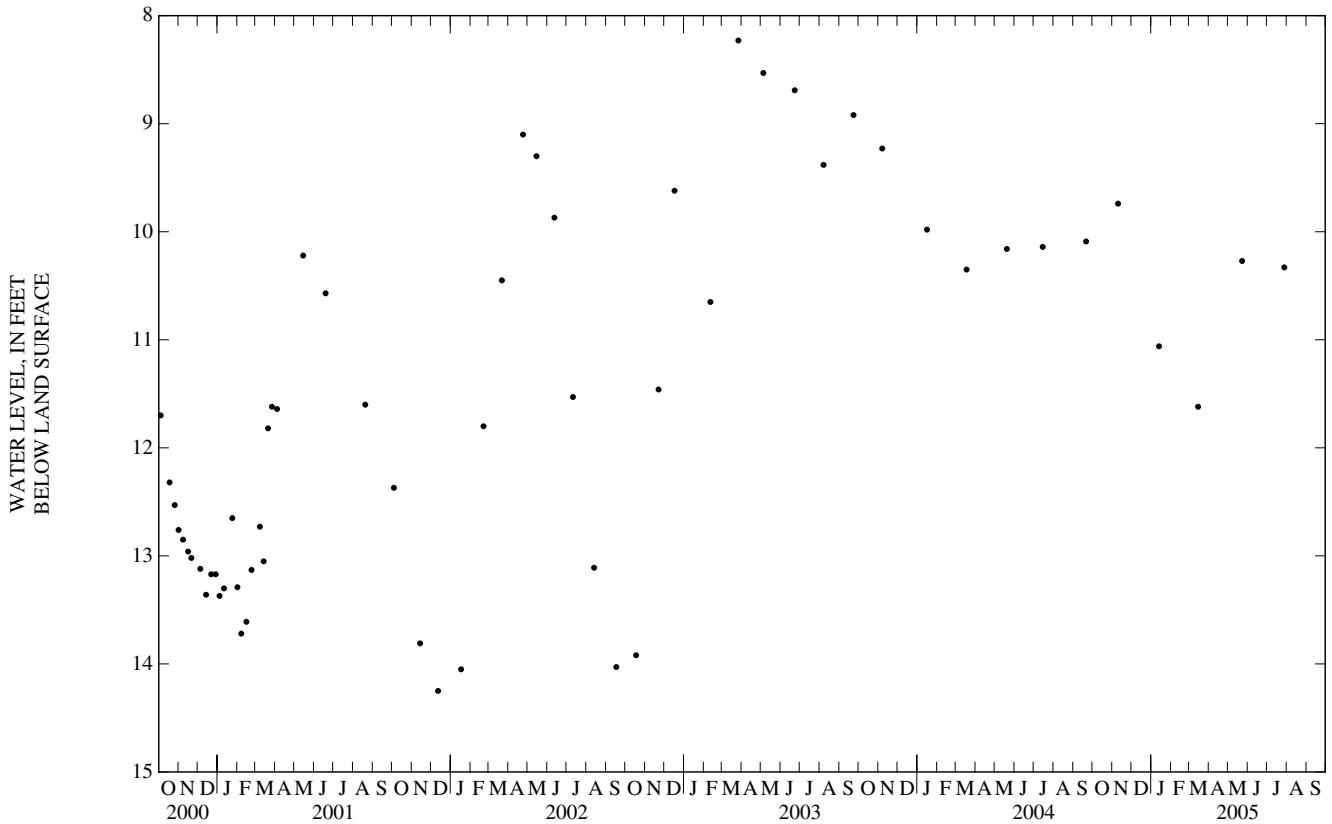
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.23 ft below land-surface datum, March 27, 2003; lowest water level measured, 14.25 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	9.74	JAN 13	11.06	MAR 15	11.62	MAY 23	10.27	JUL 28	10.33



GROUND-WATER LEVELS
 IREDELL COUNTY—Continued

353151080524501. County number, IR-140; DENR Langtree Research Station GP-8.

LOCATION.--Lat 35°31'51", long 80°52'45", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 18 ft, diameter 0.5 in., cased to 7 ft, open hole from 7 to 18 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 768.04 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.18 ft below land-surface datum.

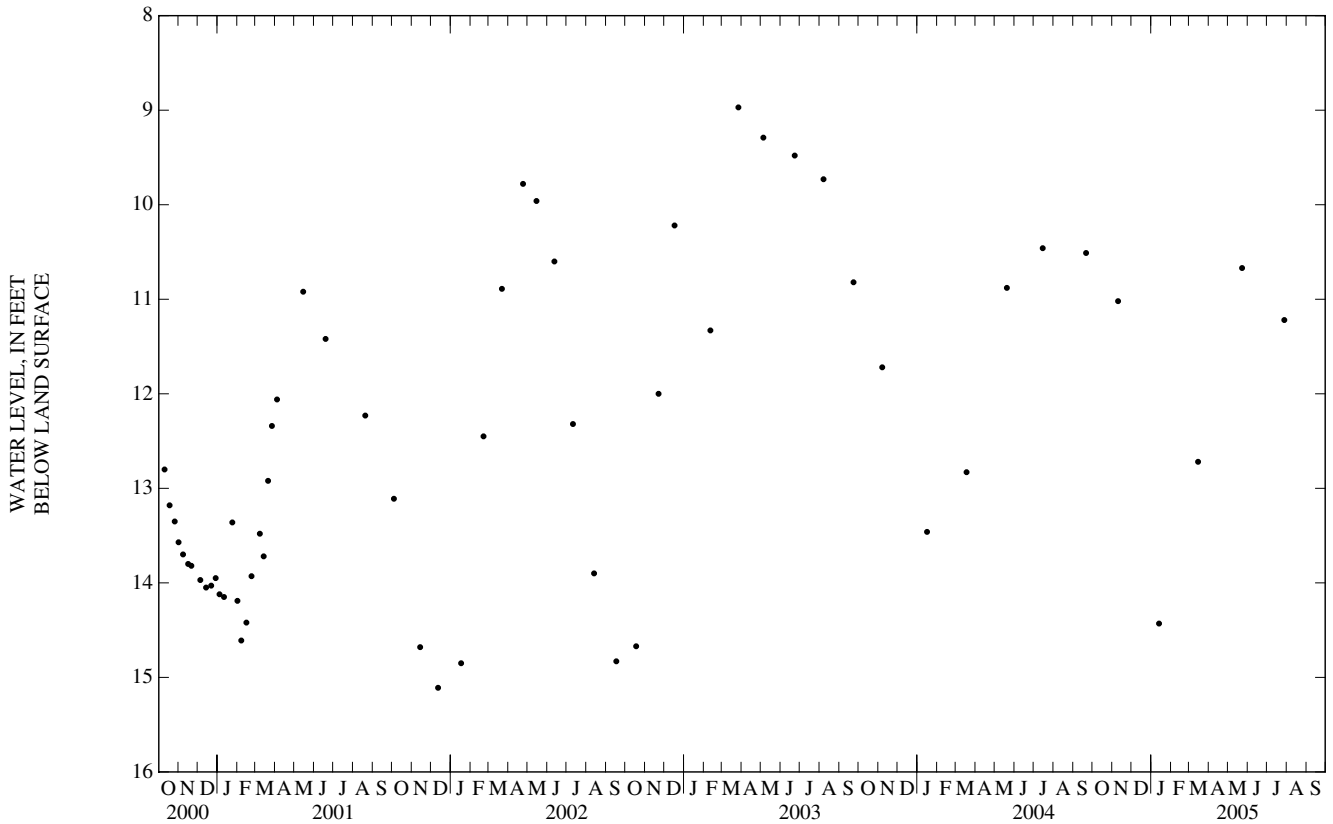
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.97 ft below land-surface datum, March 27, 2003; lowest water level measured, 15.11 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	11.02	JAN 13	14.43	MAR 15	12.72	MAY 23	10.67	JUL 28	11.22



IREDELL COUNTY—Continued

353147080524401. County number, IR-141; DENR Langtree Research Station WL-1.

LOCATION.--Lat 35°31'48", long 80°52'44", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 35 ft, diameter 1 in., cased to 20 ft, open hole from 20 to 35 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 784.27 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.90 ft below land-surface datum.

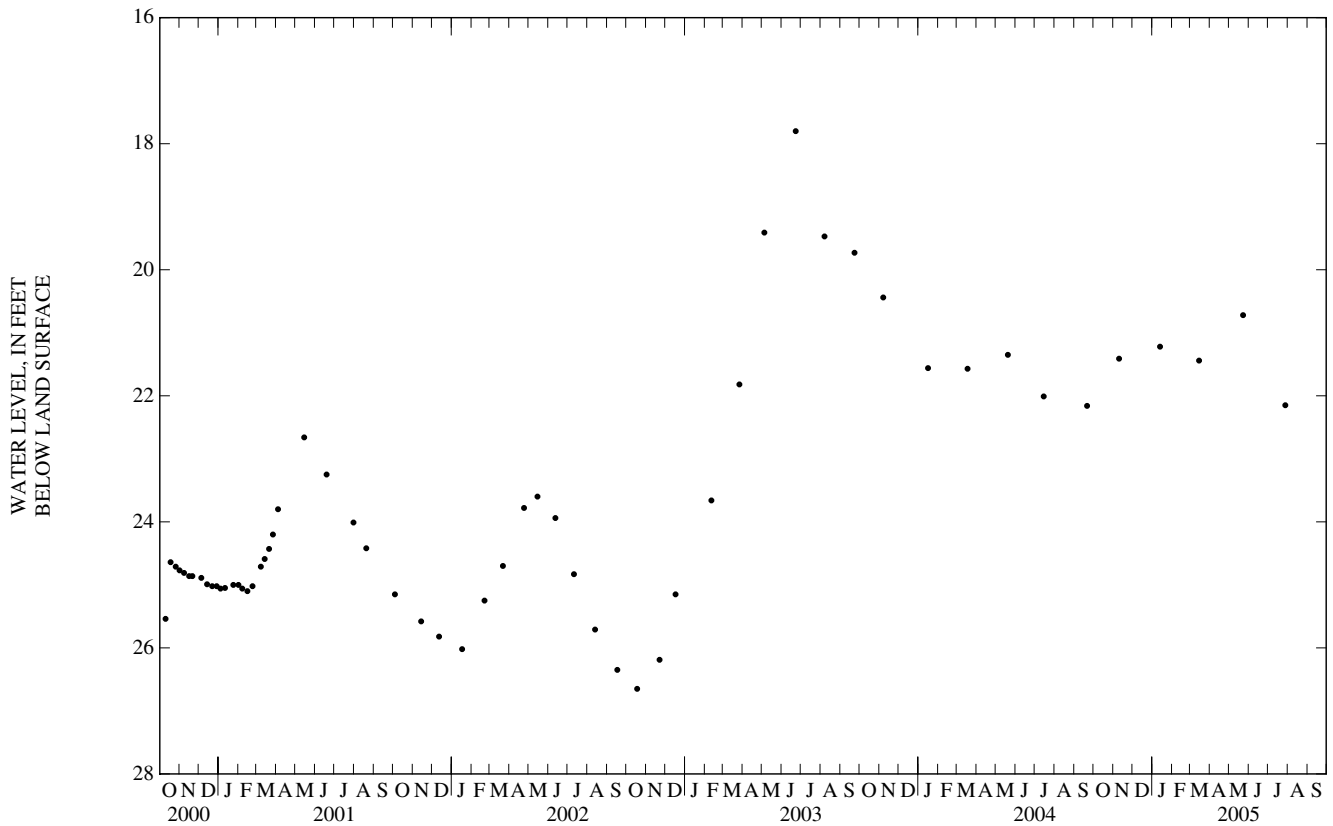
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.80 ft below land-surface datum, June 23, 2003; lowest water level measured, 26.65 ft below land-surface datum, Oct. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	21.41	JAN 13	21.22	MAR 15	21.44	MAY 23	20.72	JUL 28	22.15



GROUND-WATER LEVELS
 IREDELL COUNTY—Continued

353148080524601. County number, IR-142; DENR Langtree Research Station WL-2.

LOCATION.--Lat 35°31'48", long 80°52'46", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 26 ft, diameter 1 in., cased to 16 ft, open hole from 16 to 26 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 780.74 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.86 ft below land-surface datum.

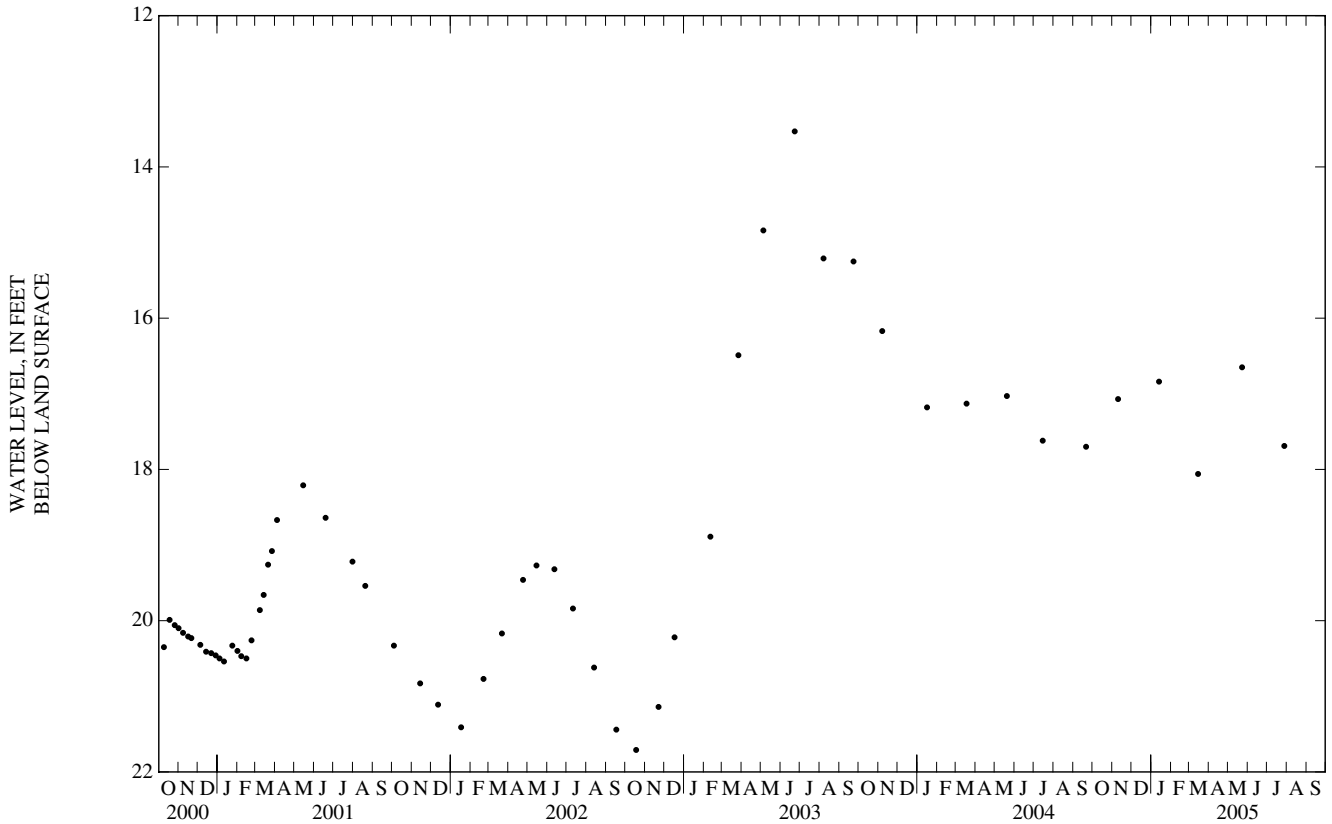
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.53 ft below land surface datum, June 23, 2003; lowest water level measured, 21.71 ft below land-surface datum, Oct. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	17.07	JAN 13	16.84	MAR 15	18.06	MAY 23	16.65	JUL 28	17.69



IREDELL COUNTY—Continued

353150080524501. County number, IR-143; DENR Langtree Research Station WL-3.

LOCATION.--Lat 35°31'50", long 80°52'46", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 1 in., cased to 10 ft, open hole from 10 to 20 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 770.46 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.20 ft below land-surface datum.

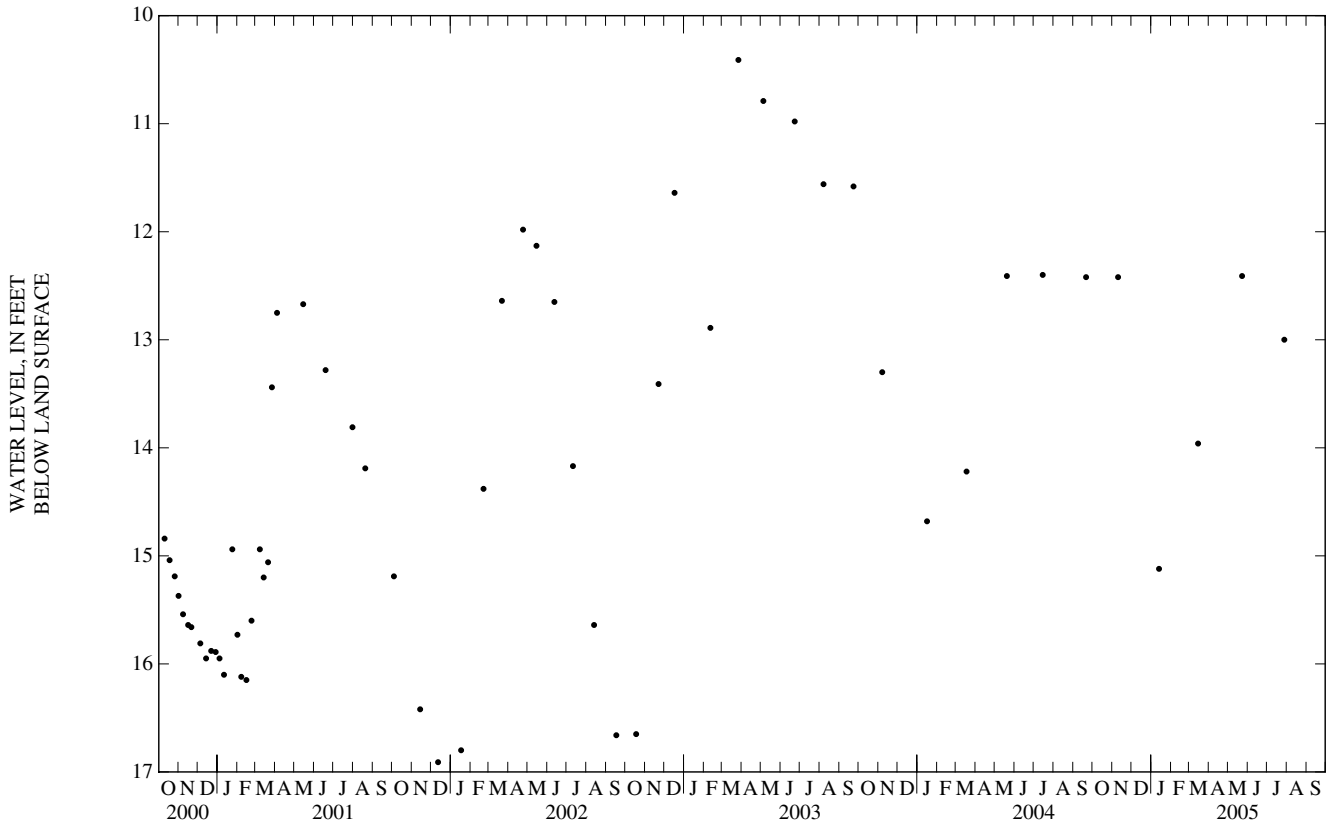
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.41 ft below land-surface datum, March 27, 2003; lowest water level measured, 16.91 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	12.42	JAN 13	15.12	MAR 15	13.96	MAY 23	12.41	JUL 28	13.00



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353149080524401. County number, IR-144; DENR Langtree Research Station WL-4.

LOCATION.--Lat 35°31'49", long 80°52'45", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Quartz Diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 1 in., cased to 17 ft, open hole from 17 to 30 ft.

INSTRUMENTATION.--Measured periodically with steel tape. (by DENR and USGS)

DATUM.--Land-surface datum is 775.85 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.10 ft below land-surface datum.

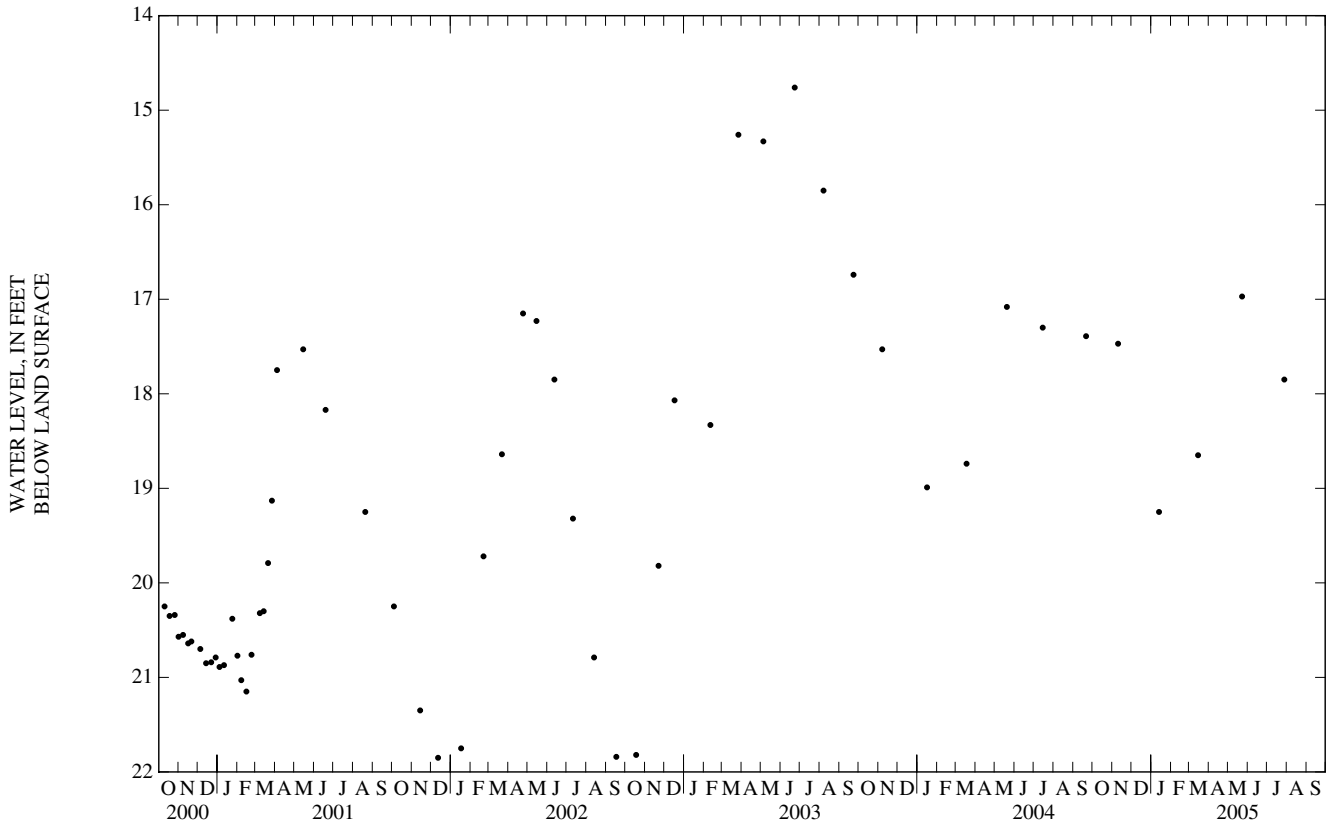
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.76 ft below land-surface datum, June 23, 2003; lowest water level measured, 21.85 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	17.47	JAN 13	19.25	MAR 15	18.65	MAY 23	16.97	JUL 28	17.85



IREDELL COUNTY—Continued

353141080524701. County number, IR-145; DENR Langtree Research Station MW-1S (Regolith well).

LOCATION.--Lat 35°31'41", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 38 ft, diameter 4 in., cased to 28 ft, screened interval from 28 to 38 ft, sand filter packed from 26 to 38 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 812.57 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 2.50 ft above land-surface datum.

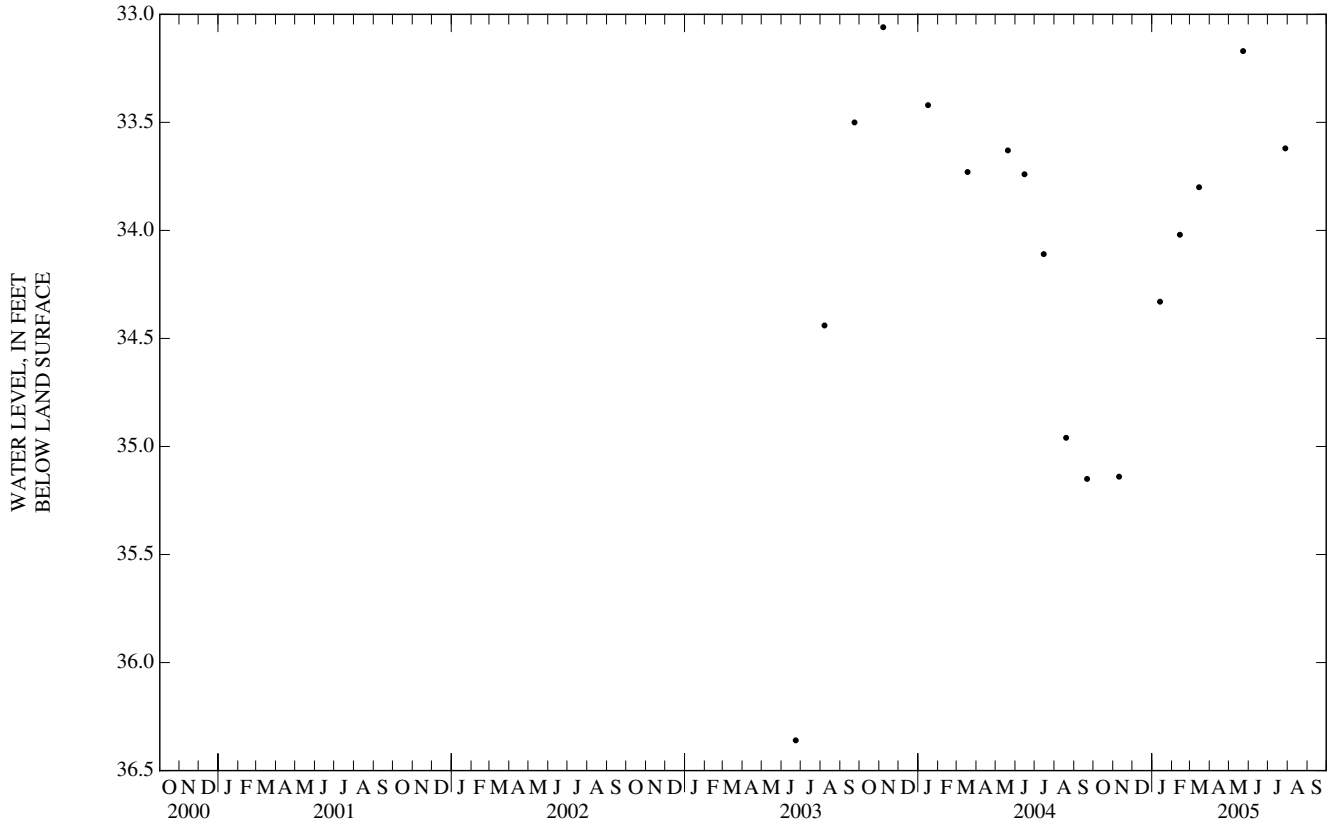
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Well dry during periodic water-level measurements January 2001 to June 2003. Highest water level measured, 33.06 ft below land-surface datum, Nov. 7, 2003; lowest water level measured, 36.36 ft below land-surface datum, June 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	35.14	JAN 13	34.33	FEB 13	34.02	MAR 15	33.80	MAY 23	33.17	JUL 28	33.62



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353141080524702. County number, IR-146; DENR Langtree Research Station MW-II (Transition zone well).

LOCATION.--Lat 35°31'41", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed from 34 to 53 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 812.65 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 2.42 ft above land-surface datum.

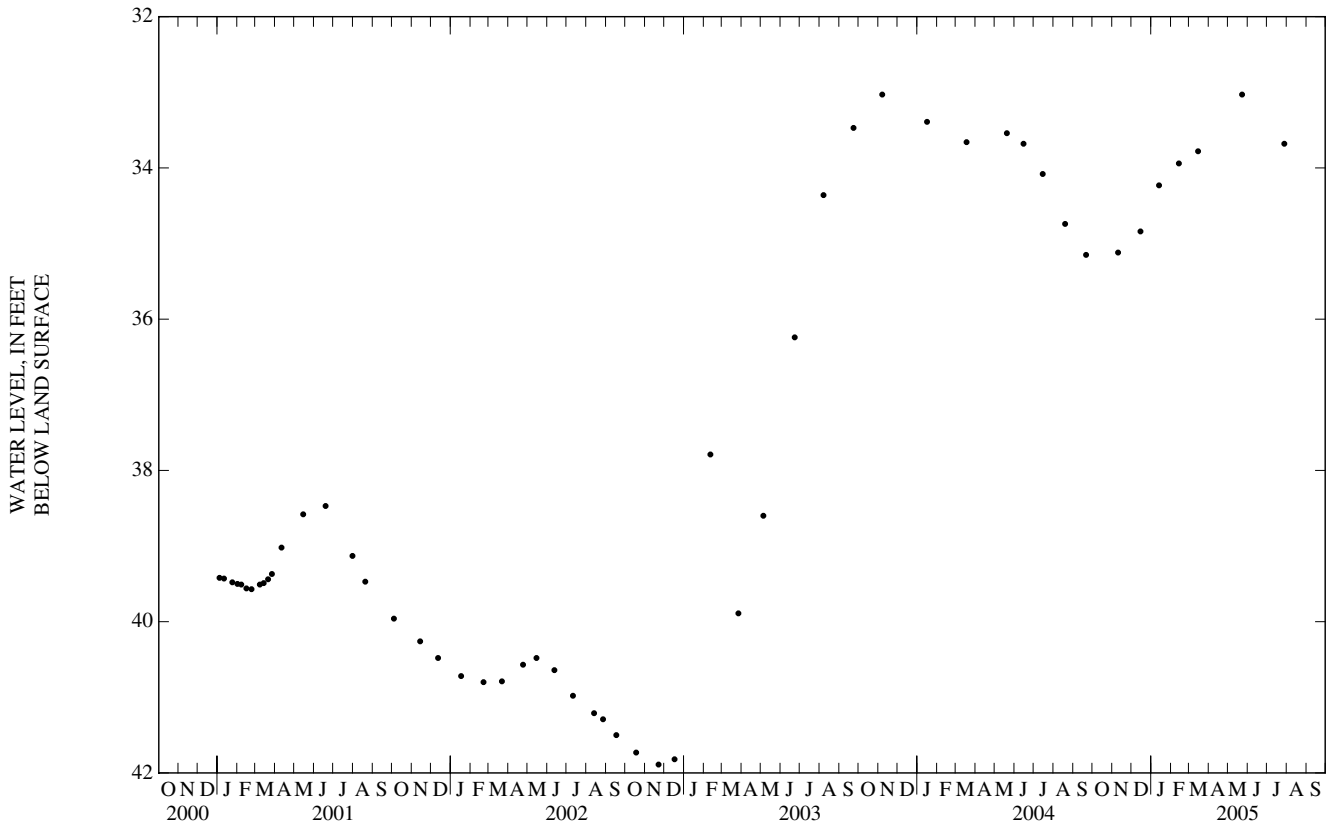
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.03 ft below land-surface datum, Nov. 7, 2003, May 23, 2005; lowest water level measured, 41.89 ft below land-surface datum, Nov. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	35.12	JAN 13	34.23	MAR 15	33.78	JUL 28	33.68
DEC 15	34.84	FEB 13	33.94	MAY 23	33.03		



IREDELL COUNTY—Continued

353141080524703. County number, IR-147; DENR Langtree Research Station MW-1D (Bedrock well).

LOCATION.--Lat 35°31'41", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 602 ft, diameter 6.25 in., steel cased to 55 ft, initially open hole from 55 to 602 ft. Well modified in December 2001, 4 in. PVC liner installed to 76 ft, open hole from 76 to 602 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 812.51 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of steel protective casing, 2.16 ft above land-surface datum.

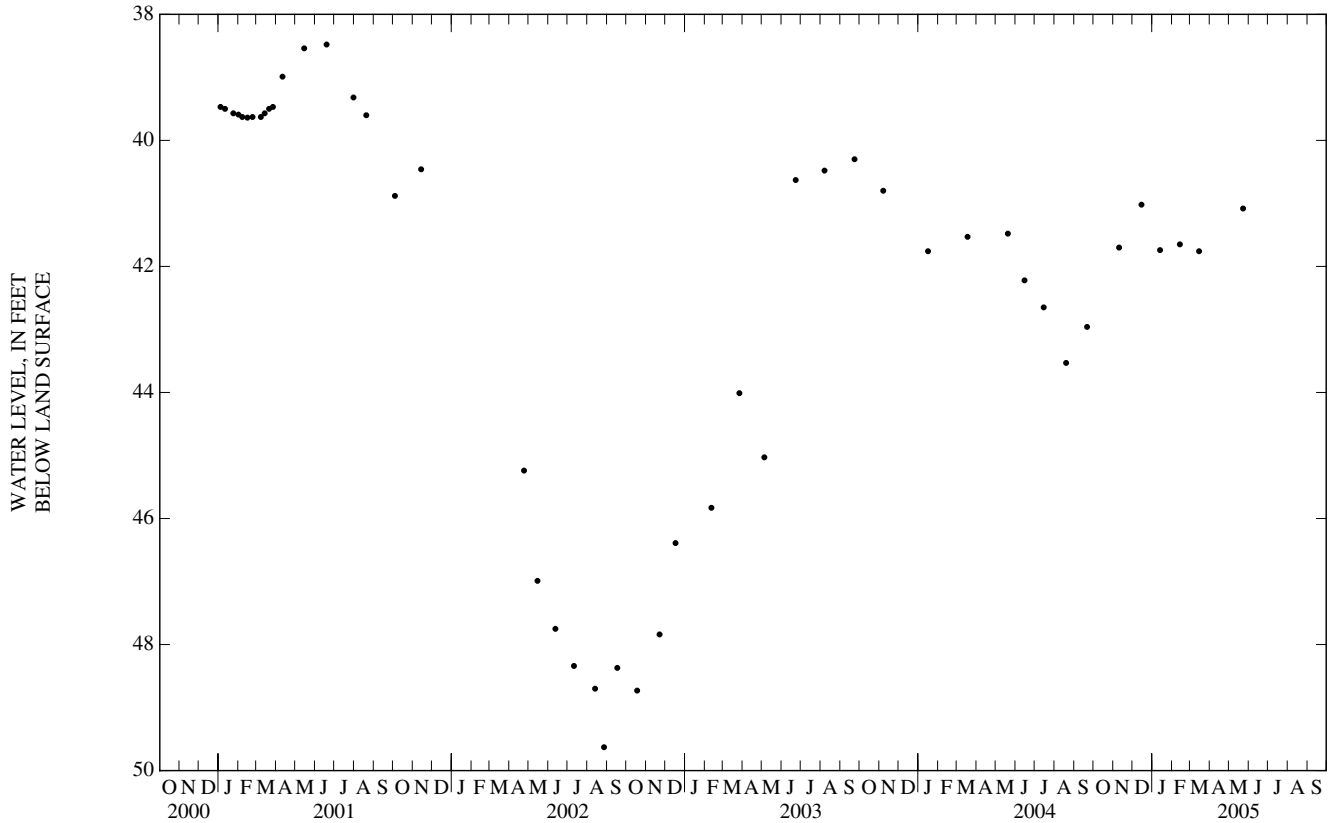
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.48 ft below land-surface datum, June 19, 2001; lowest water level measured, 52.61 ft below land-surface datum, Feb. 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	41.70	DEC 15	41.02	JAN 13	41.74	FEB 13	41.65	MAR 15	41.76	MAY 23	41.08



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353157080525301. County number, IR-148; DENR Langtree Research Station MW-3S (Regolith well).

LOCATION.--Lat 35°31'57", long 80°52'53", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .5 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 15 ft, sand filter packed from 4 to 20 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 761.96 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.40 ft below land-surface datum.

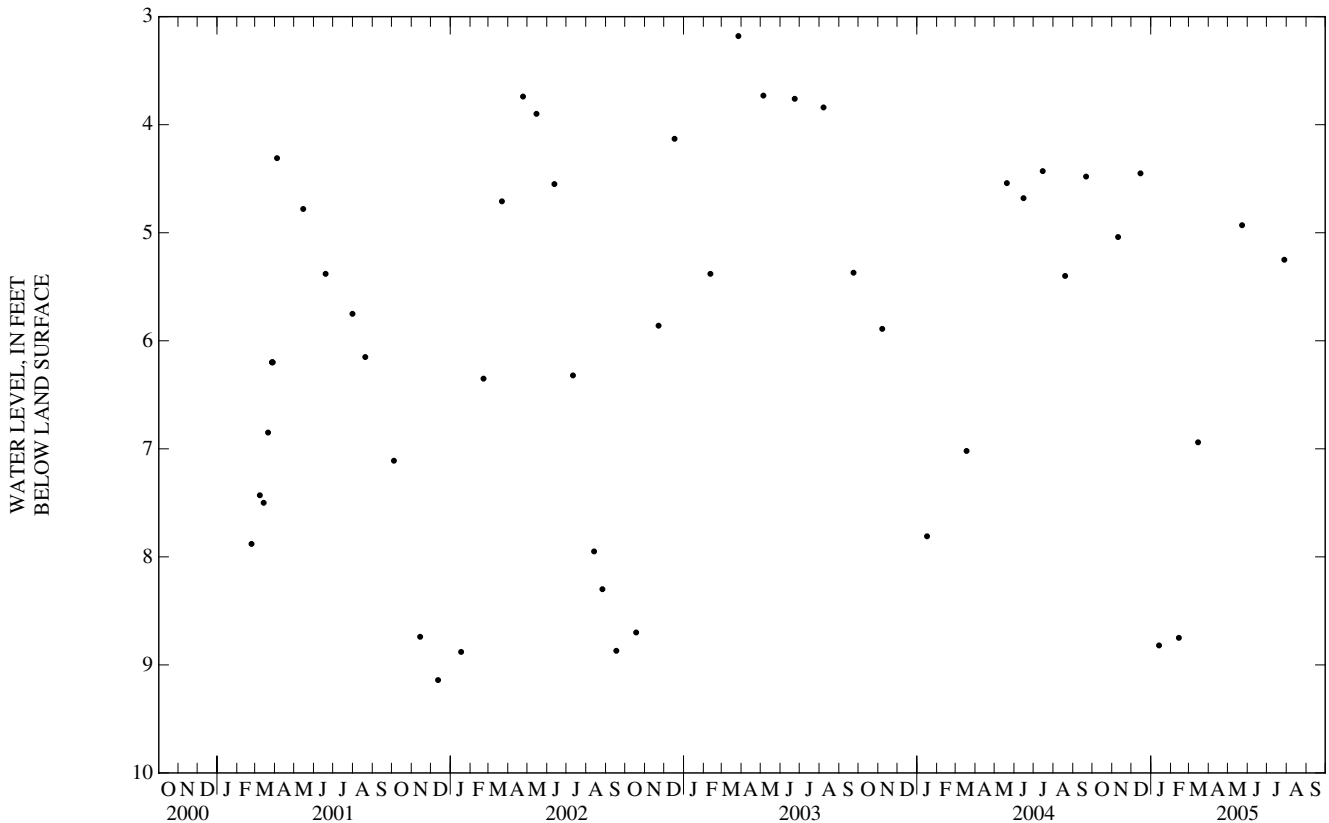
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.18 ft below land-surface datum, Mar. 27, 2003; lowest water level measured 9.14 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	5.04	JAN 13	8.82	MAR 15	6.94	JUL 28	5.25
DEC 15	4.45	FEB 13	8.75	MAY 23	4.93		



IREDELL COUNTY—Continued

353157080525302. County number, IR-149; DENR Langtree Research Station MW-3I (Transition zone well).

LOCATION.--Lat 35°31'57", long 80°52'53", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .5 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 73 ft, diameter 4 in., cased to 43 ft, screened interval from 43 to 73 ft, native fill from 10 to 73 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land surface datum is 762.92 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.26 ft below land surface datum.

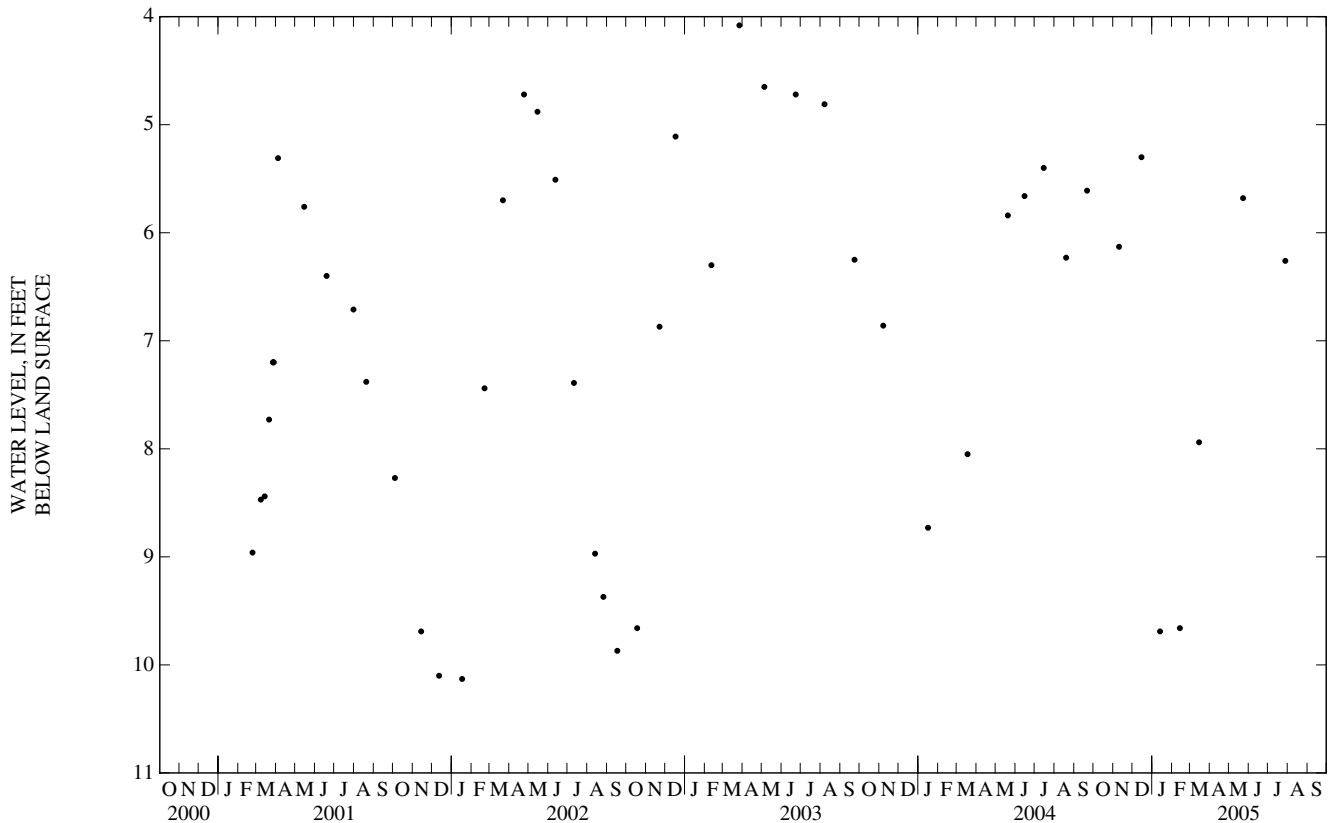
REMARKS.--Well is part of Piedmont/Mountains ground-water study. Possible well construction problems. Monitored zone may be connected to overlying regolith.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.08 ft below land-surface datum, Mar. 27, 2003; lowest water level measured 10.13 ft below land surface datum, Jan. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	6.13	JAN 13	9.69	MAR 15	7.94	JUL 28	6.26
DEC 15	5.30	FEB 13	9.66	MAY 23	5.68		



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353145080524701. County number, IR-151; DENR Langtree Research Station MW-4IB (Transition zone well).

LOCATION.--Lat 35°31'45", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (bedrock quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed with native fill 35 to 53 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 802.93 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.03 ft below land-surface datum.

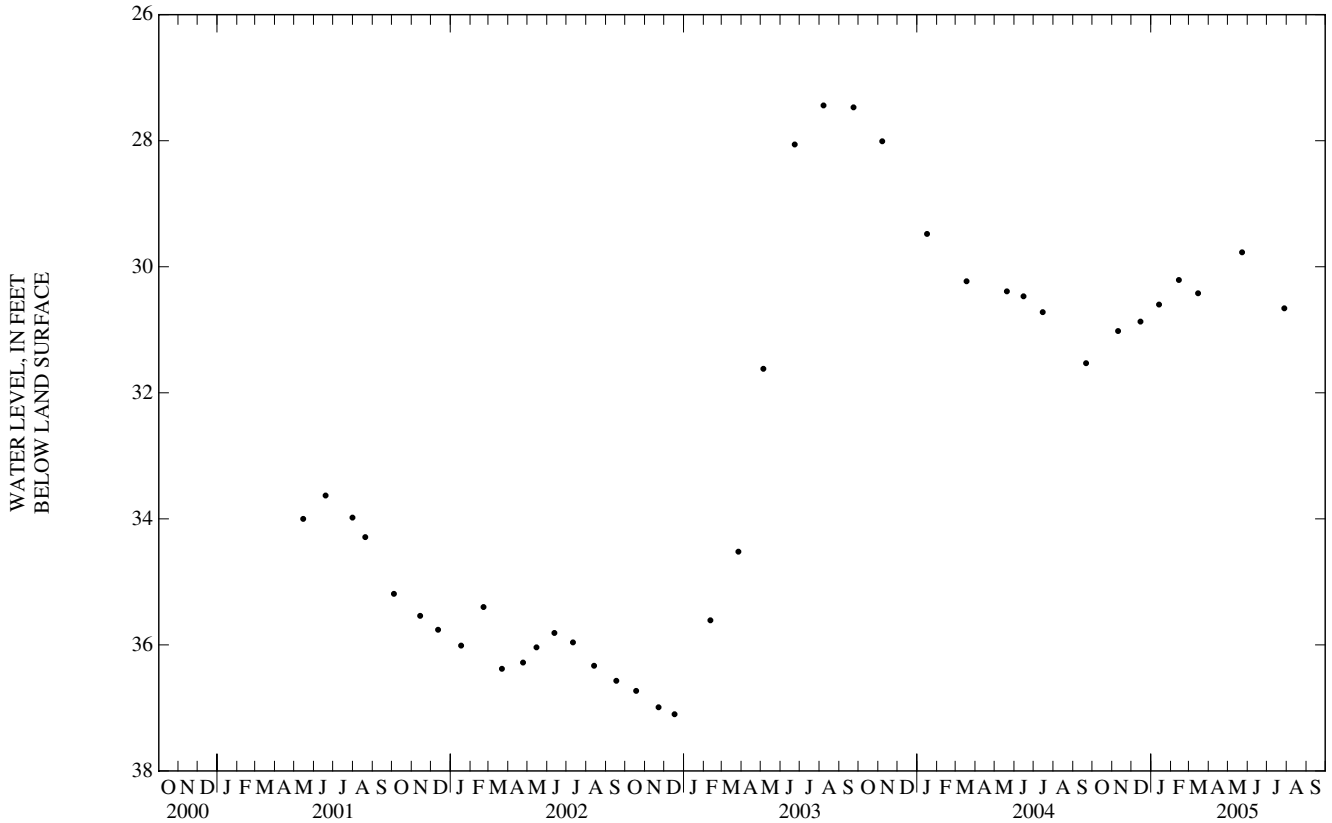
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.44 ft below land-surface datum, Aug. 7, 2003; lowest water level measured, 37.10 ft below land-surface datum, Dec. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	31.02	JAN 13	30.60	MAR 15	30.42	JUL 28	30.66
DEC 15	30.87	FEB 13	30.21	MAY 23	29.77		



IREDELL COUNTY—Continued

353145080524704. County number, IR-152A; DENR Langtree Research Station MW-4IA (Transition zone well).

LOCATION.--Lat 35°31'45", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 55 ft, diameter 2 in., cased to 40 ft, screened interval from 40 to 55 ft, sand filter packed with native fill 35 to 55 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 802.39 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 2 in. PVC casing, 0.69 ft above land-surface datum.

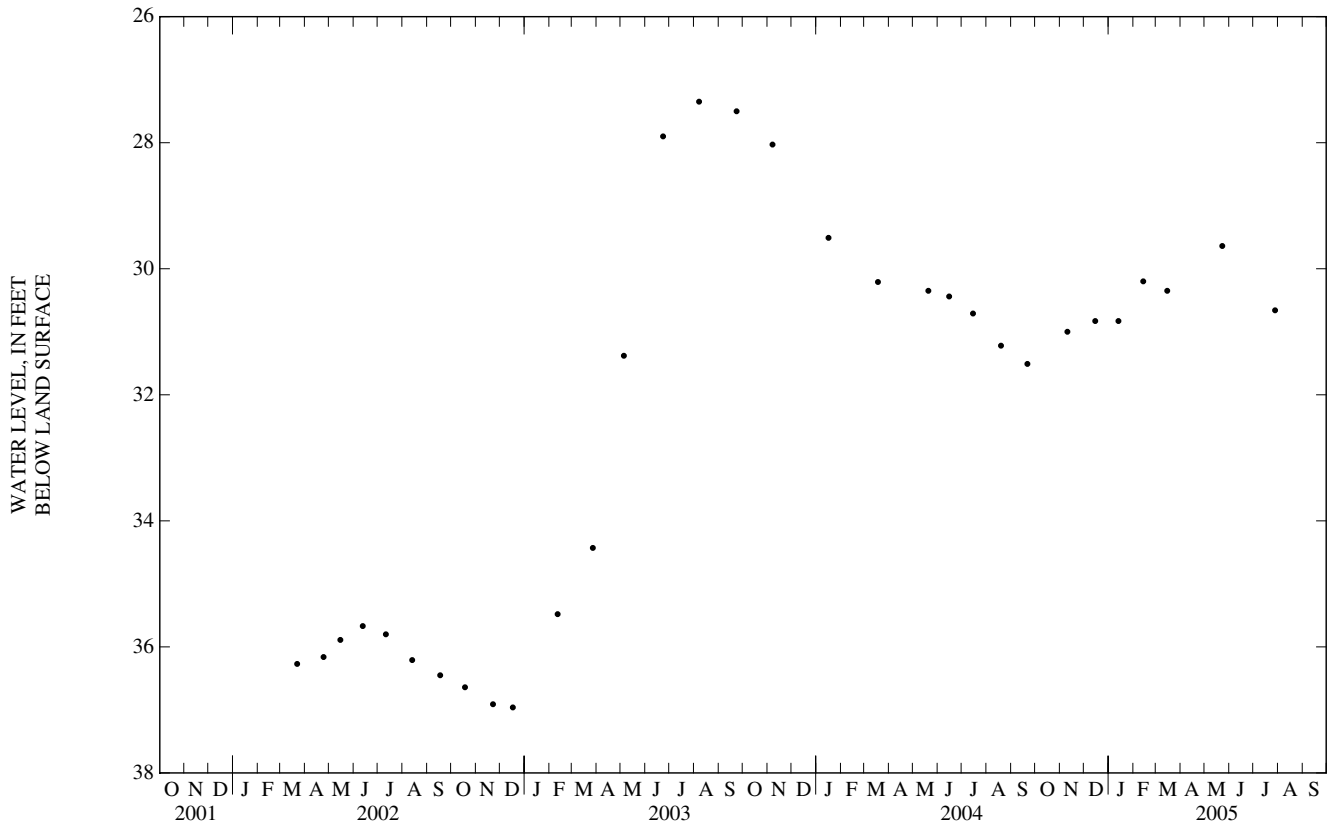
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.35 ft below land-surface datum, Aug. 7, 2003; lowest water level measured, 36.96 ft below land-surface datum, Dec. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	31.00	JAN 13	30.83	MAR 15	30.35	JUL 28	30.66
DEC 15	30.83	FEB 13	30.20	MAY 23	29.64		



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353145080524703. County number, IR-153; DENR Langtree Research Station MW-4D (Bedrock well).

LOCATION.--Lat 35°31'45", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., steel cased to 61 ft, initially open hole from 61 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 801.84 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 1.25 ft above land-surface datum.

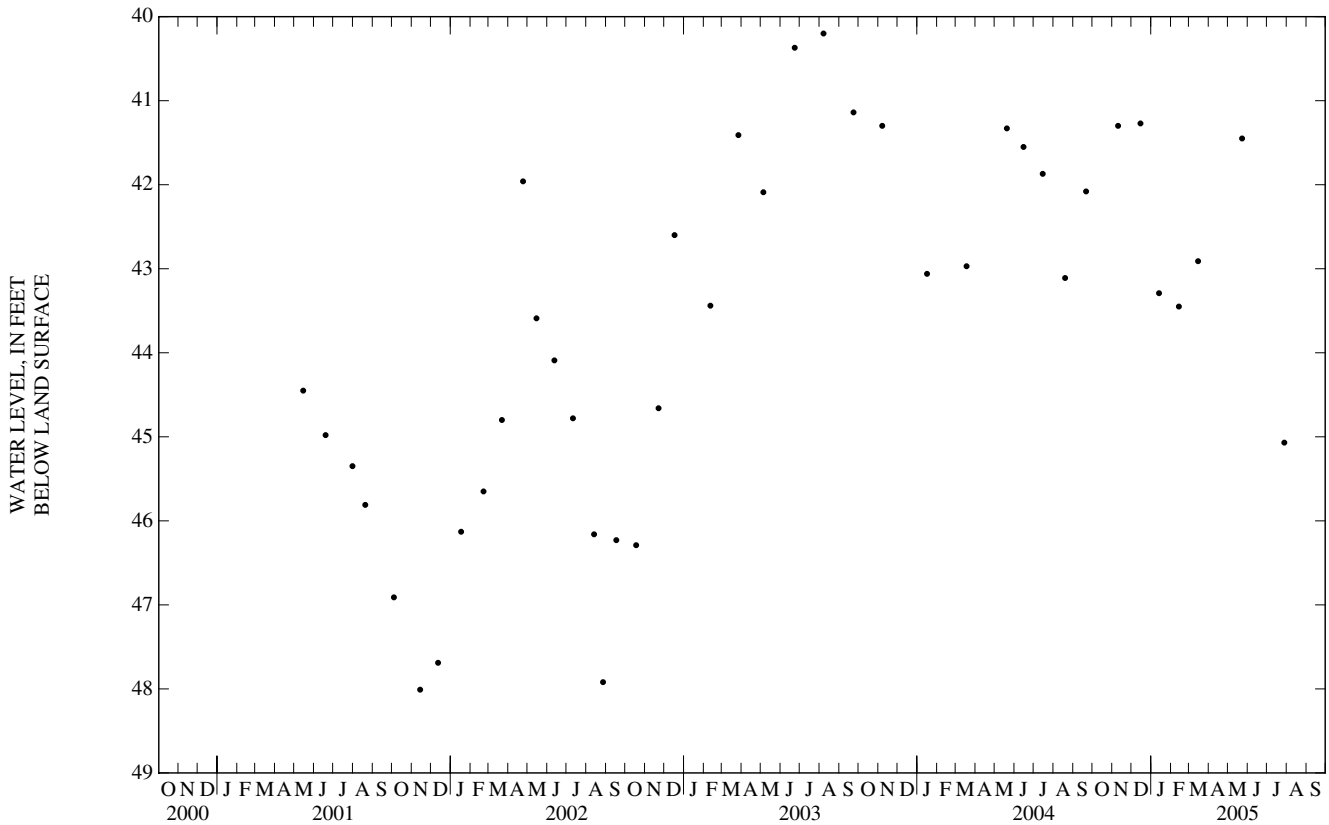
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.20 ft below land-surface datum, Aug. 7, 2003; lowest water level measured, 48.01 ft below land-surface datum, Nov. 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	41.30	JAN 13	43.29	MAR 15	42.91	JUL 28	45.07
DEC 15	41.27	FEB 13	43.45	MAY 23	41.45		



IREDELL COUNTY—Continued

353148080524701. County number, IR-154; DENR Langtree Research Station MW-5S (Regolith well).

LOCATION.--Lat 35°31'48", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, diameter 4 in., cased to 10 ft, screened interval from 10 to 20 ft, sand filter packed from 8 to 20 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 786.18 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.04 ft below land-surface datum.

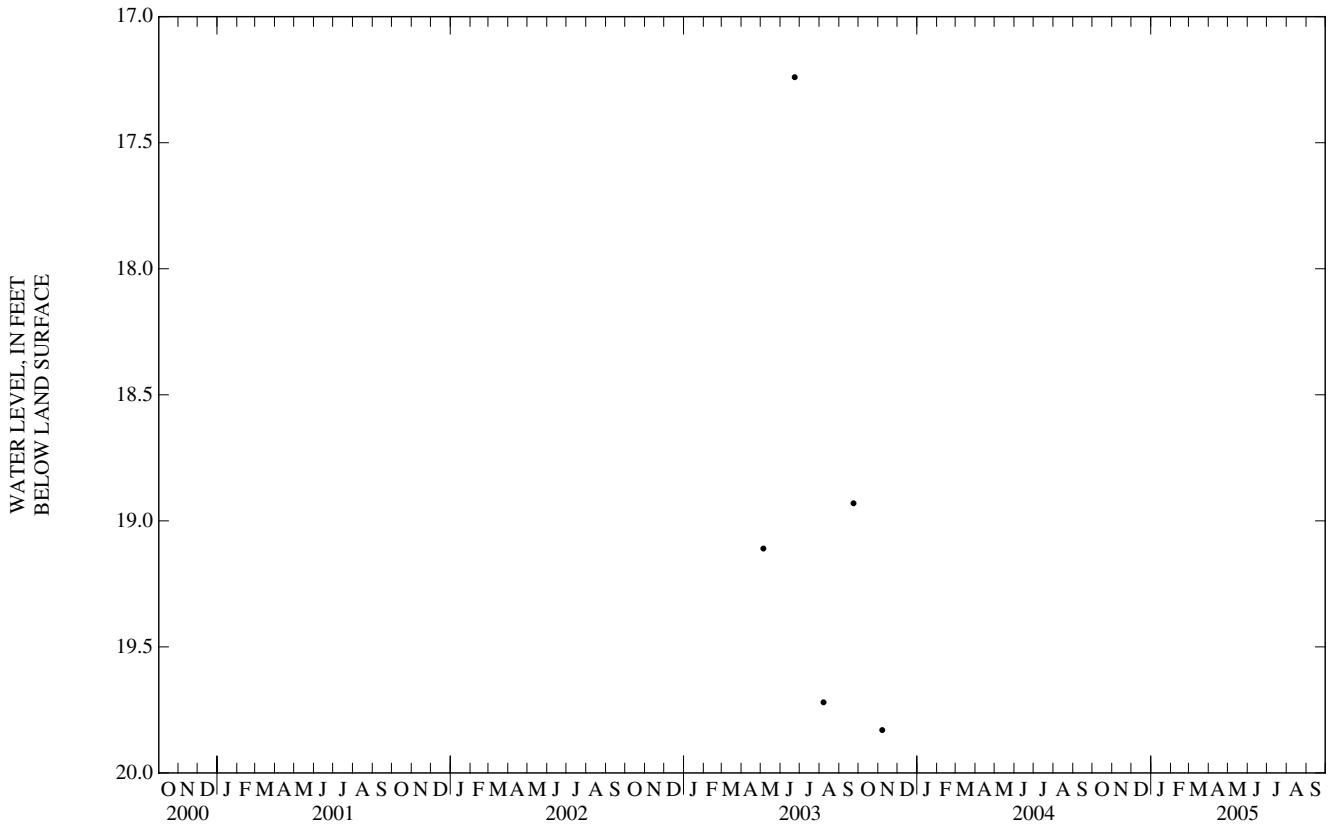
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Well dry during periodic water-level measurements May 2001 to May 2003 and Jan. 2004 to July 2005. Highest water level measured, 17.24 ft below land-surface datum, June 23, 2003; lowest water level measured, 19.83 ft below land-surface datum, Nov. 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	DRY	JAN 13	DRY	MAR 15	DRY	JUL 28	DRY
DEC 15	DRY	FEB 13	DRY	MAY 23	DRY		



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353148080524702. County number, IR-155; DENR Langtree Research Station MW-5I (Transition zone well).

LOCATION.--Lat 35°31'48", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite bedrock).

WELL CHARACTERISTICS.--Drilled observation well, depth 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed from 18 to 35 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 785.07 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.21 ft above land-surface datum.

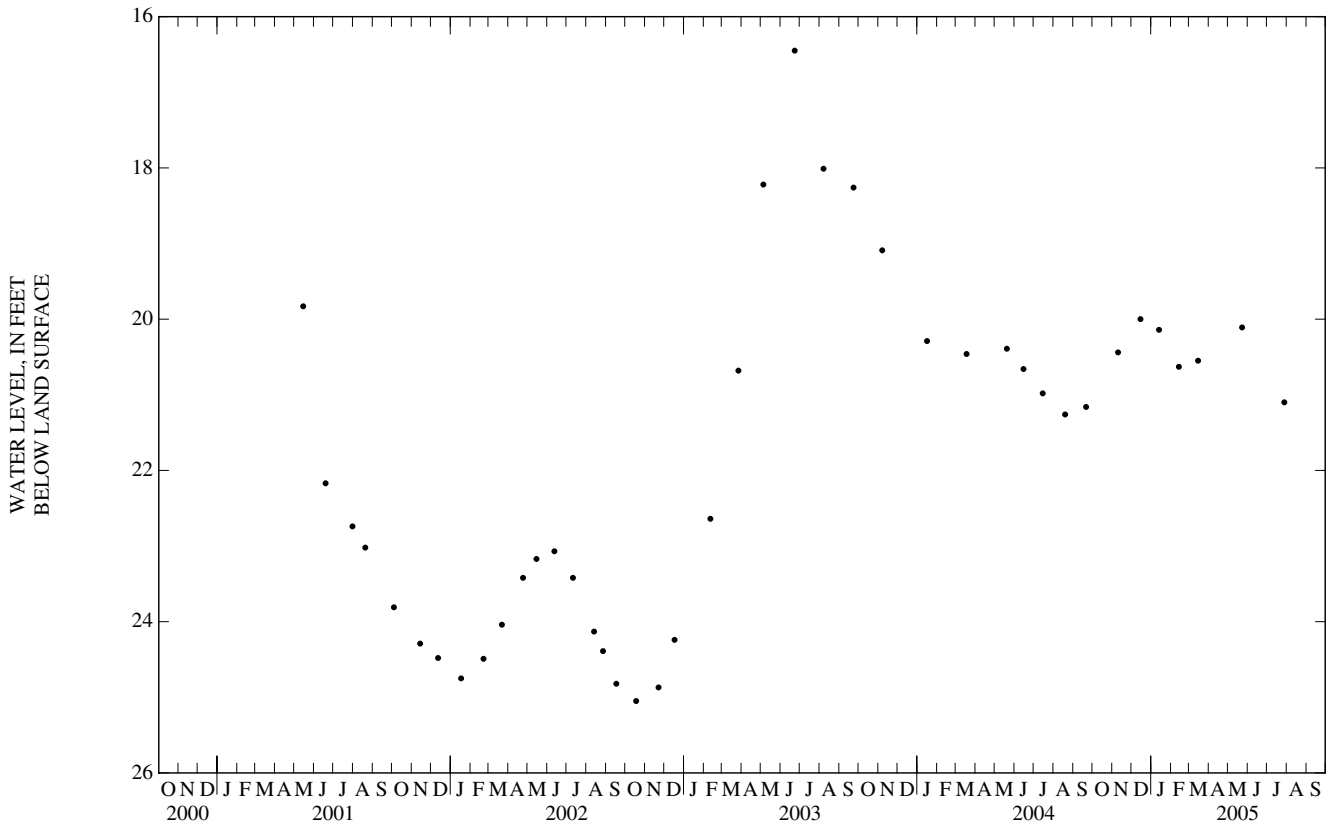
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.45 ft below land-surface datum, June 23, 2003; lowest water level measured, 25.05 ft below land-surface datum, Oct. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	20.44	JAN 13	20.14	MAR 15	20.55	JUL 28	21.10
DEC 15	20.00	FEB 13	20.63	MAY 23	20.11		



IREDELL COUNTY—Continued

353148080524703. County number, IR-156; DENR Langtree Research Station MW-5D (Bedrock well).

LOCATION.--Lat 35°31'48", long 80°52'47", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 to 400 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 784.73 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of steel protective casing, 1.37 ft above land-surface datum.

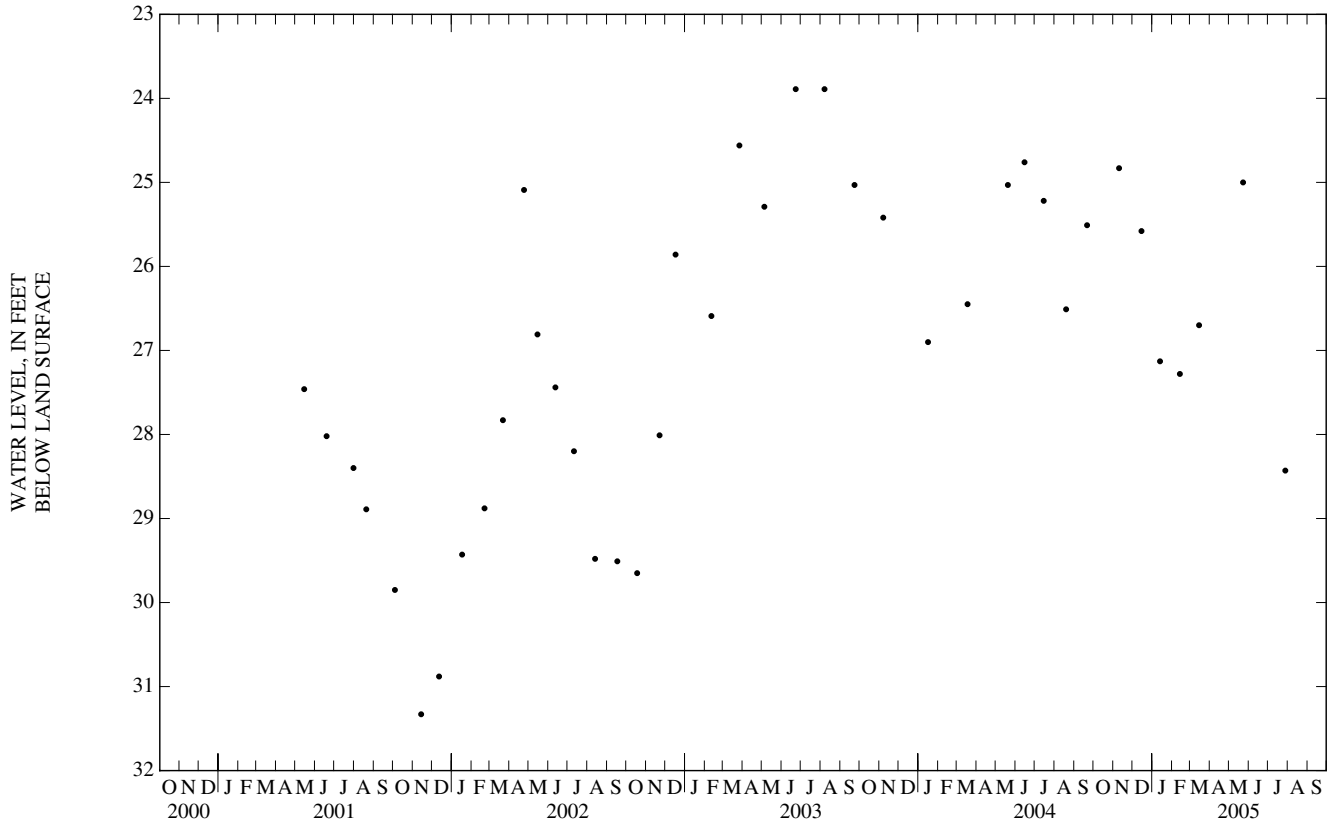
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.89 ft below land-surface datum, June 23, Aug. 7, 2003; lowest water level measured, 31.33 ft below land-surface datum, Nov. 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	24.83	JAN 13	27.13	MAR 15	26.70	JUL 28	28.43
DEC 15	25.58	FEB 13	27.28	MAY 23	25.00		



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353151080524601. County number, IR-157; DENR Langtree Research Station MW-6S (Regolith well).

LOCATION.--Lat 35°31'51", long 80°52'46", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 18 ft, diameter 4 in., cased to 8 ft, screened interval from 8 to 18 ft, sand filter packed from 6 to 18 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 765.32 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.28 ft below land-surface datum.

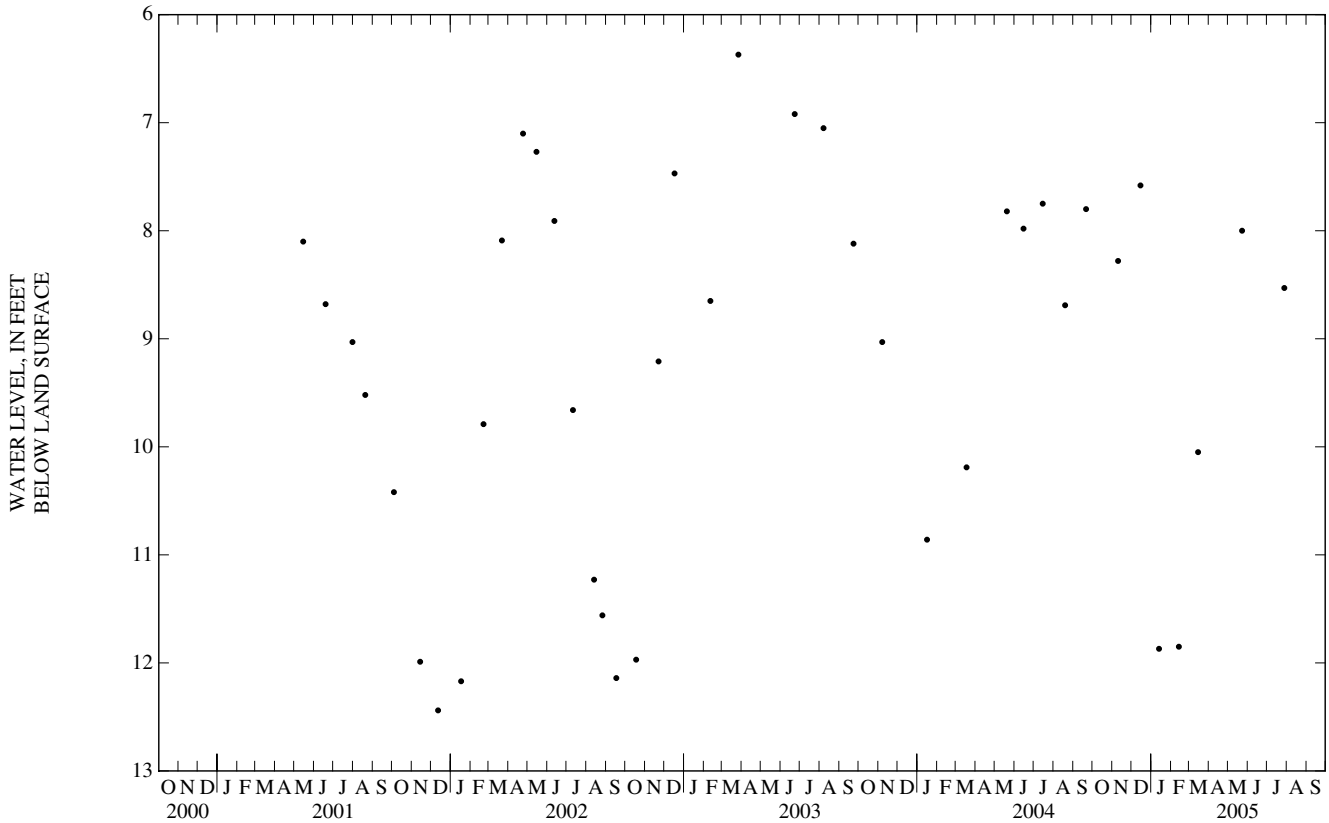
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.37 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.44 ft below land-surface datum, Dec. 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	8.28	JAN 13	11.87	MAR 15	10.05	JUL 28	8.53
DEC 15	7.58	FEB 13	11.85	MAY 23	8.00		



IREDELL COUNTY—Continued

353151080524603. County number, IR-159; DENR Langtree Research Station MW-6D (Bedrock well).

LOCATION.--Lat 35°31'52", long 80°52'46", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., steel cased to 43 ft, initially open hole from 43 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 765.84 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 6.25 in. PVC casing, 0.29 ft below land-surface datum.

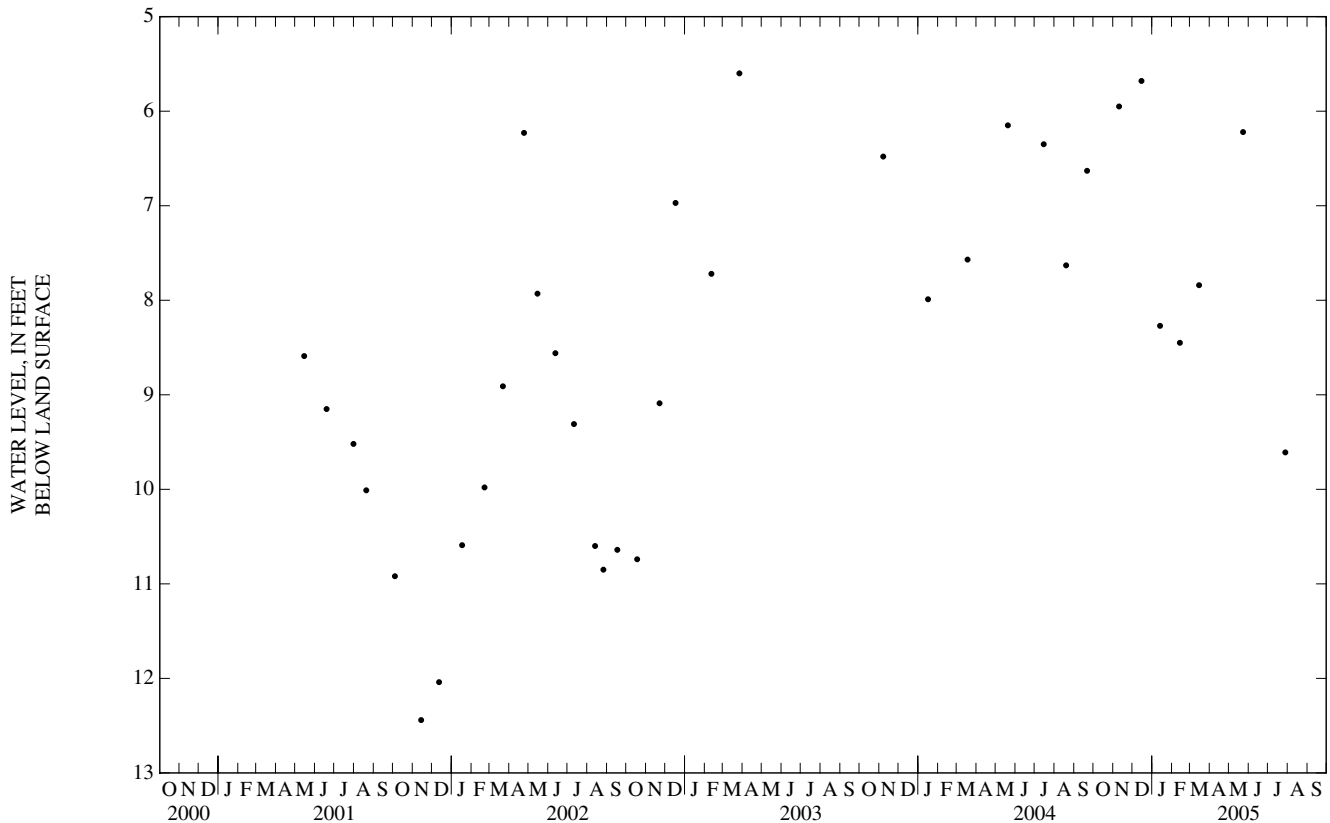
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.44 ft below land-surface datum, Nov. 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	5.95	JAN 13	8.27	MAR 15	7.84	JUL 28	9.61
DEC 15	5.68	FEB 13	8.45	MAY 23	6.22		



GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353151080524604. County number, IR-160; DENR Langtree Research Station MW-6IB (Transition zone well).

LOCATION.--Lat 35°31'52", long 80°52'46", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 to 30 ft, sand filter packed from 12 to 30 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land-surface datum is 765.73 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.27 ft below land-surface datum.

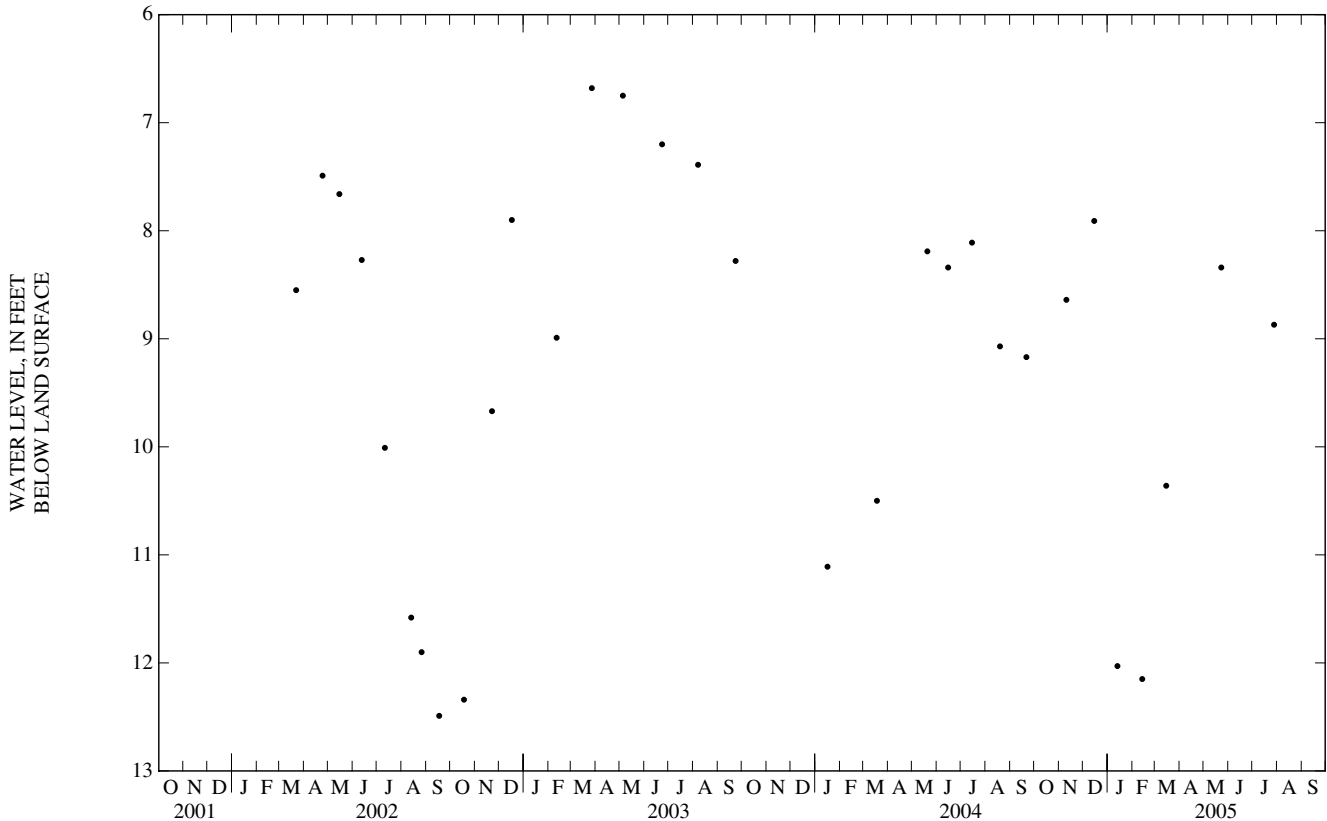
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.68 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.49 ft below land-surface datum, Sept. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

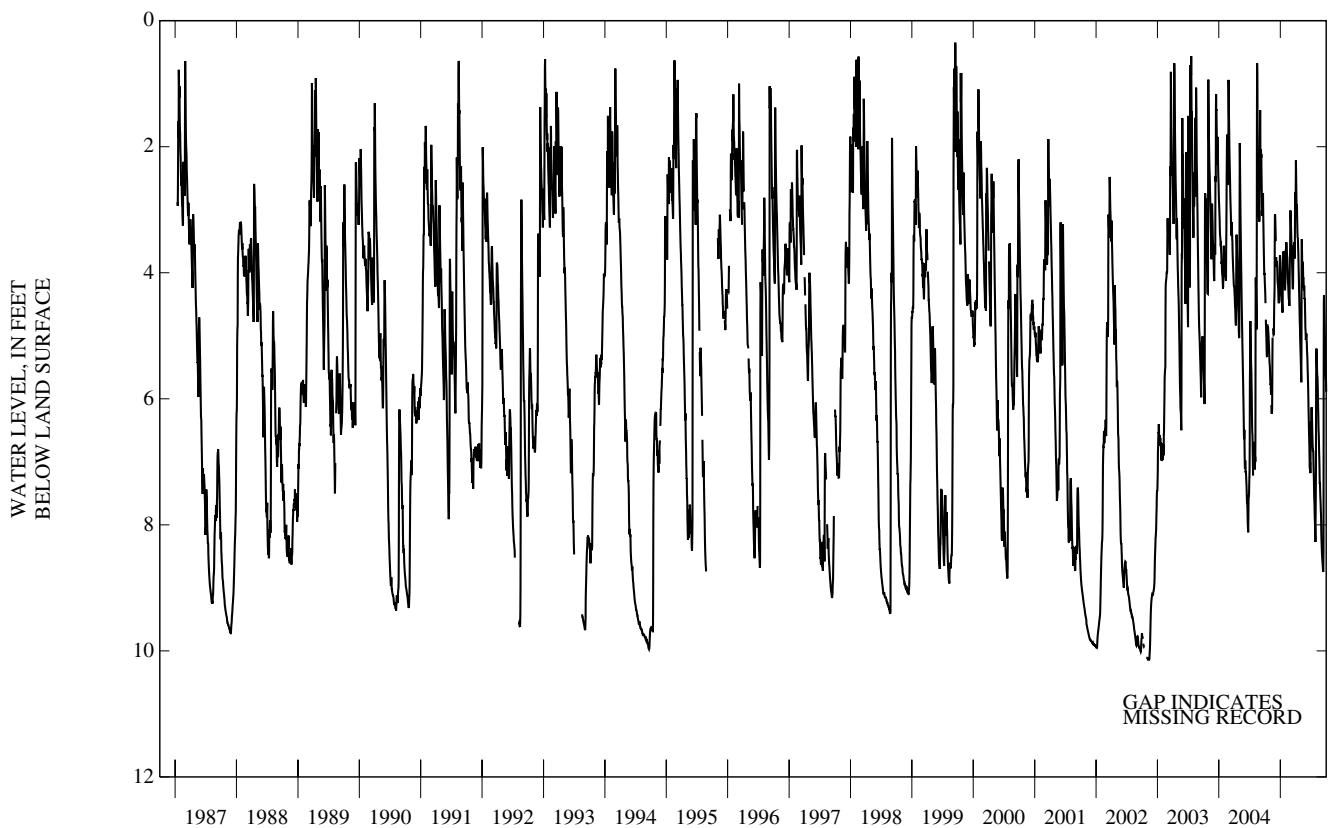
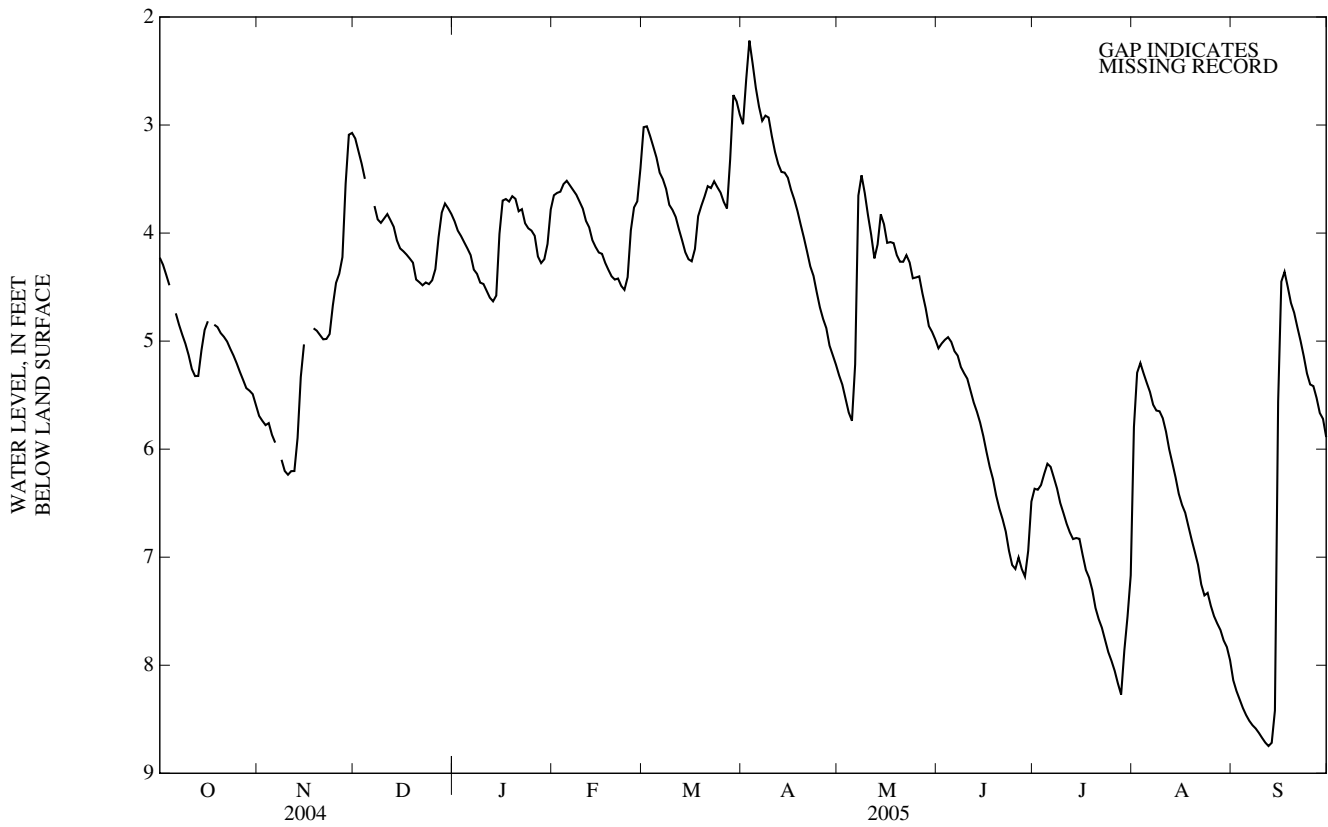
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	8.64	JAN 13	12.03	MAR 15	10.36	JUL 28	8.87
DEC 15	7.91	FEB 13	12.15	MAY 23	8.34		



GROUND-WATER LEVELS

JONES COUNTY—Continued

345809077301408. Local number, NC-173; DENR Comfort Research Station well U26j8; County number, JO-035.



345809077301408 Local number, NC-173; DENR Comfort Research Station well U26j8; County number, JO-035

PRECIPITATION RECORDS

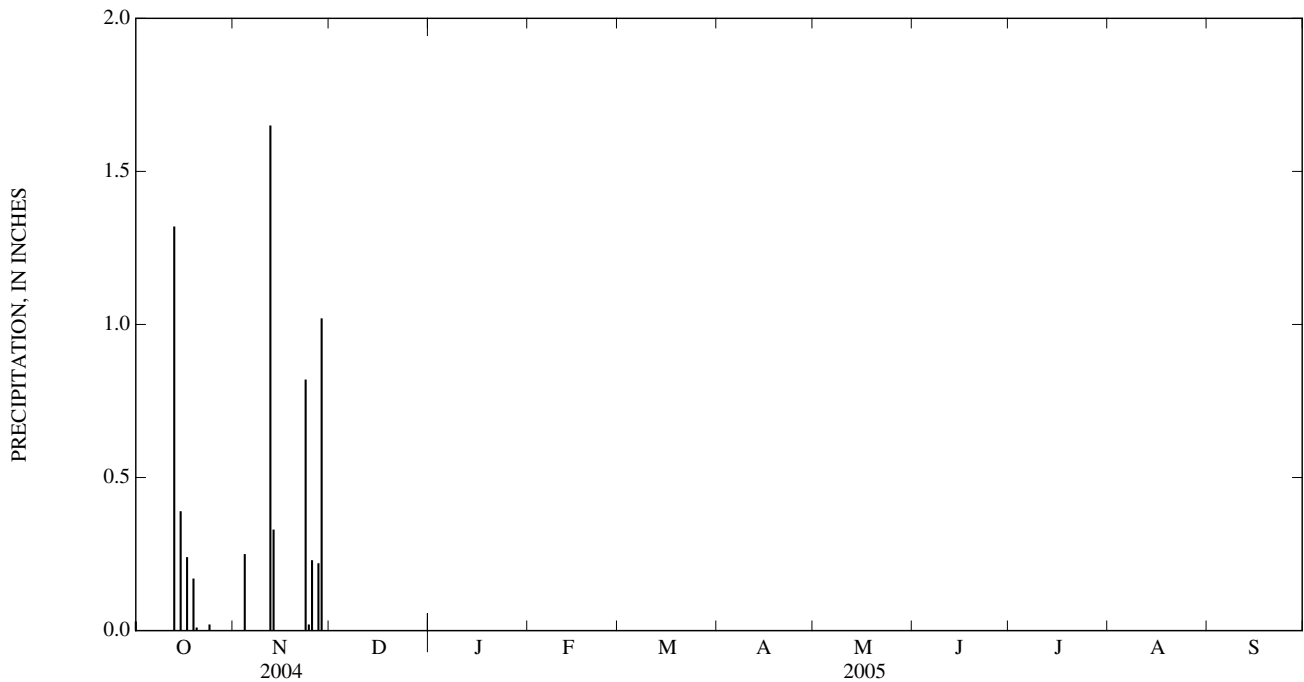
PERIOD OF RECORD.--July 2003 to December 2004.

GAGE.--Tipping-bucket raingage and electronic datalogger.

REMARKS.--Gage is operated as part of a U.S. Geological Survey Ground-water Resources Program recharge study. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

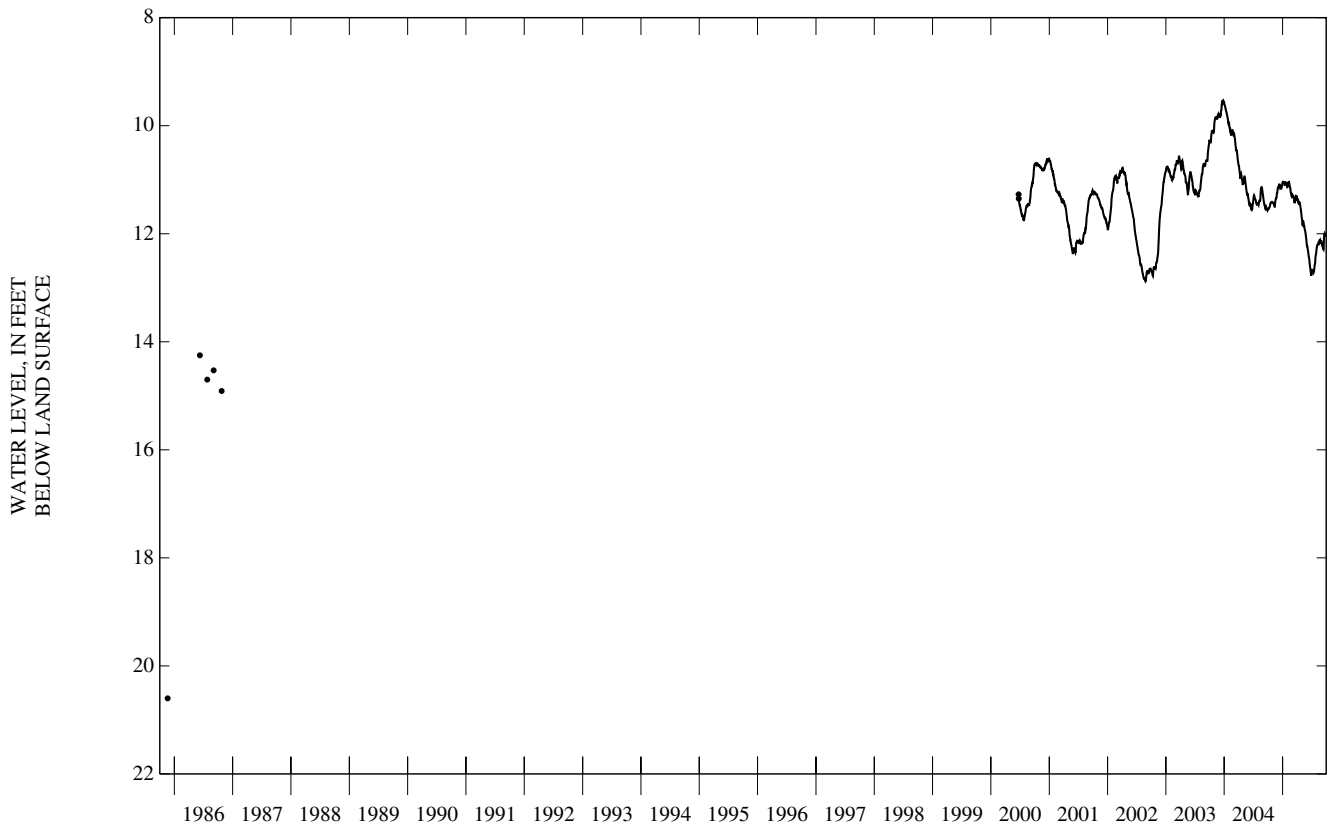
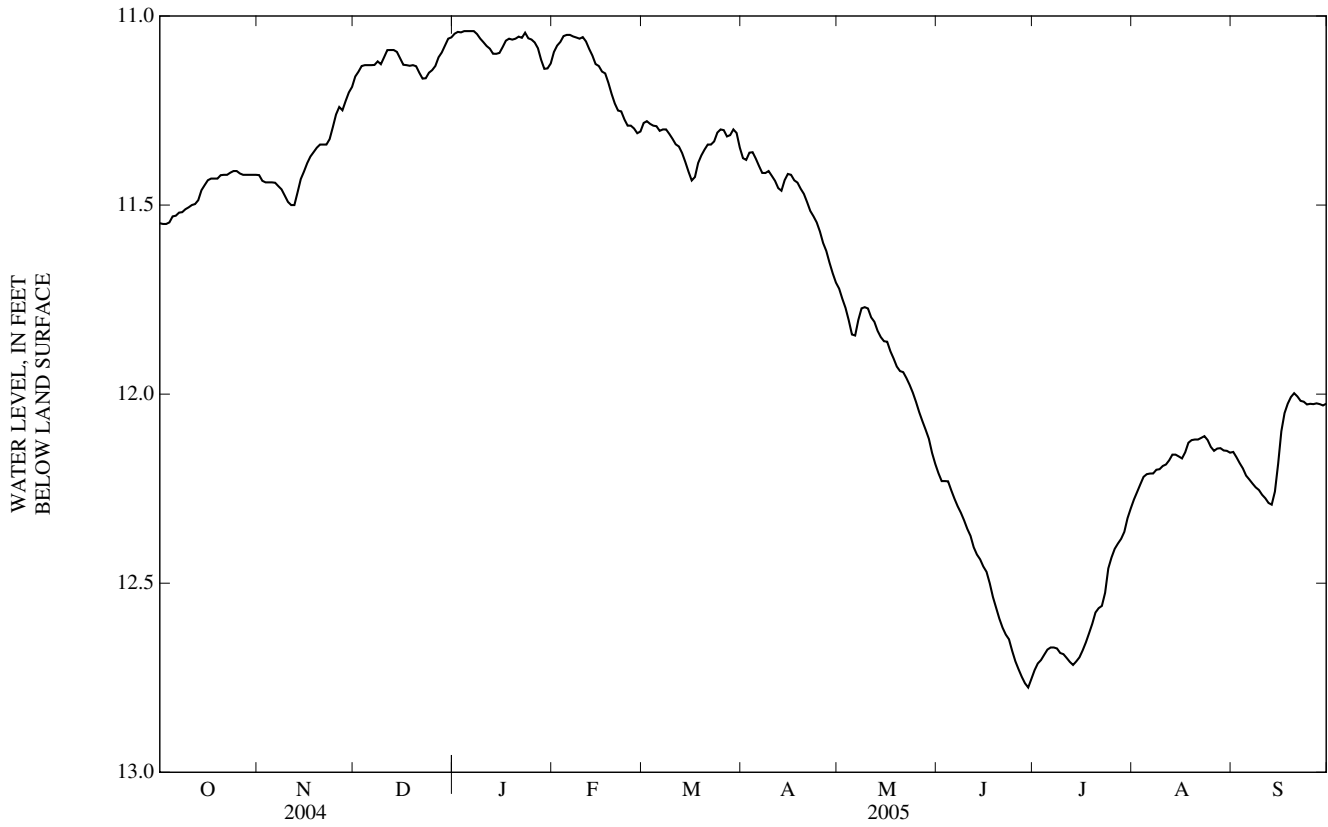
PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.00	0.00	---	---	---	---	---	---	---	---	---
2	0.00	0.00	0.00	---	---	---	---	---	---	---	---	---
3	0.00	0.00	0.00	---	---	---	---	---	---	---	---	---
4	0.00	0.25	0.00	---	---	---	---	---	---	---	---	---
5	0.00	0.00	0.00	---	---	---	---	---	---	---	---	---
6	0.00	0.00	---	---	---	---	---	---	---	---	---	---
7	0.00	0.00	---	---	---	---	---	---	---	---	---	---
8	0.00	0.00	---	---	---	---	---	---	---	---	---	---
9	0.00	0.00	---	---	---	---	---	---	---	---	---	---
10	0.00	0.00	---	---	---	---	---	---	---	---	---	---
11	0.00	0.00	---	---	---	---	---	---	---	---	---	---
12	0.00	1.65	---	---	---	---	---	---	---	---	---	---
13	1.32	0.33	---	---	---	---	---	---	---	---	---	---
14	0.00	0.00	---	---	---	---	---	---	---	---	---	---
15	0.39	0.00	---	---	---	---	---	---	---	---	---	---
16	0.00	0.00	---	---	---	---	---	---	---	---	---	---
17	0.24	0.00	---	---	---	---	---	---	---	---	---	---
18	0.00	0.00	---	---	---	---	---	---	---	---	---	---
19	0.17	0.00	---	---	---	---	---	---	---	---	---	---
20	0.01	0.00	---	---	---	---	---	---	---	---	---	---
21	0.00	0.00	---	---	---	---	---	---	---	---	---	---
22	0.00	0.00	---	---	---	---	---	---	---	---	---	---
23	0.00	0.82	---	---	---	---	---	---	---	---	---	---
24	0.02	0.02	---	---	---	---	---	---	---	---	---	---
25	0.00	0.23	---	---	---	---	---	---	---	---	---	---
26	0.00	0.00	---	---	---	---	---	---	---	---	---	---
27	0.00	0.22	---	---	---	---	---	---	---	---	---	---
28	0.00	1.02	---	---	---	---	---	---	---	---	---	---
29	0.00	0.00	---	---	---	---	---	---	---	---	---	---
30	0.00	0.00	---	---	---	---	---	---	---	---	---	---
31	0.00	---	---	---	---	---	---	---	---	---	---	---
TOTAL	2.18	4.54	---	---	---	---	---	---	---	---	---	---



LENOIR COUNTY—Continued

351937077284211. Local number, NC-223; DENR Graingers Research Station well Q25d11; County number, LN-105.



352305077321701. County number, LN-184; LU-15.

LOCATION.--Lat 35°23'05", long 77°32'17", Hydrologic Unit 03020203, intersection of Secondary Road 1004 and Secondary Road 1707, south of Hugo.

WATER-LEVEL RECORDS

AQUIFER.--Peedee.

WELL CHARACTERISTICS.--Drilled observation well, depth 15.07 ft, diameter 2 in., screened interval from 12.07 to 15.07 ft.

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

DATUM.--Land-surface datum is 33 ft above NGVD of 1929. Measuring point: Top of casing, 2.93 ft above land-surface datum.

REMARKS.--Well is part of National Water Quality Assessment Program (NAWQA).

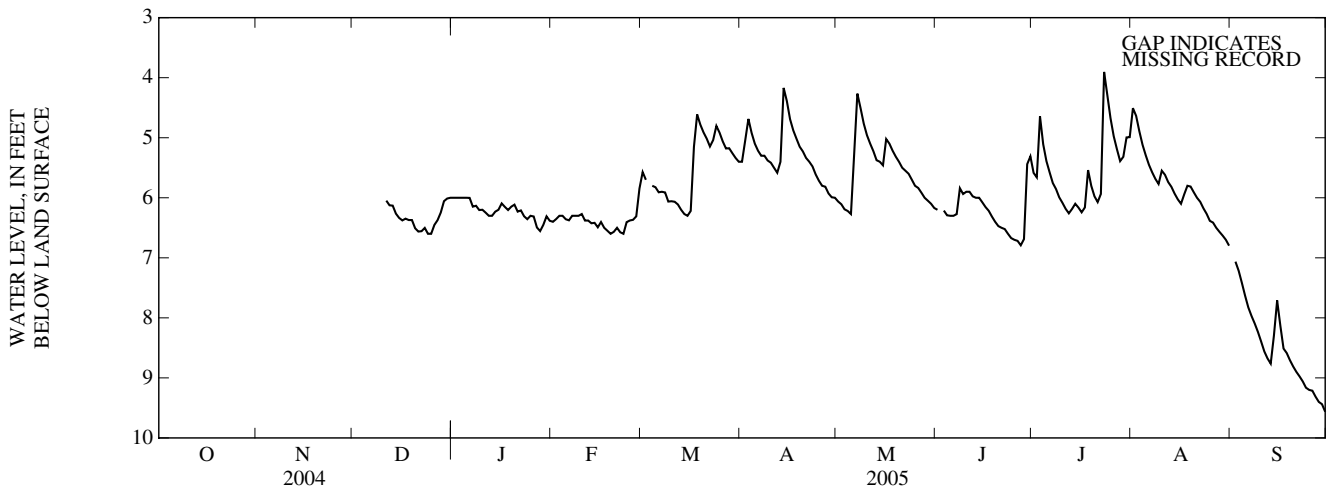
PERIOD OF RECORD.--December 2004 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.8 ft below land-surface datum, July 23, 2005; lowest water level recorded, 9.6 ft below land-surface datum, Sept. 30, 2005.

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	---	---	---	6.0	6.4	5.6	5.4	6.1	6.2	5.6	4.5	---
2	---	---	---	6.0	6.4	5.7	5.0	6.1	---	5.7	4.6	7.1
3	---	---	---	6.0	6.3	---	4.7	6.2	6.2	4.6	4.9	7.2
4	---	---	---	6.0	6.3	5.8	4.9	6.2	6.3	5.1	5.1	7.4
5	---	---	---	6.0	6.4	5.8	5.1	6.3	6.3	5.4	5.3	7.6
6	---	---	---	6.0	6.4	5.9	5.2	5.3	6.3	5.6	5.5	7.8
7	---	---	---	6.1	6.3	5.9	5.3	4.3	6.3	5.8	5.6	8.0
8	---	---	---	6.1	6.3	5.9	5.3	4.5	5.8	5.9	5.7	8.1
9	---	---	---	6.2	6.3	6.1	5.4	4.8	5.9	6.0	5.8	8.2
10	---	---	---	6.2	6.3	6.1	5.4	5.0	5.9	6.1	5.5	8.4
11	---	---	6.0	6.2	6.4	6.1	5.5	5.1	5.9	6.2	5.6	8.6
12	---	---	6.1	6.3	6.4	6.1	5.6	5.2	6.0	6.3	5.7	8.7
13	---	---	6.1	6.3	6.4	6.2	5.4	5.4	6.0	6.2	5.8	8.8
14	---	---	6.3	6.2	6.4	6.3	4.2	5.4	6.0	6.1	5.9	8.3
15	---	---	6.3	6.2	6.5	6.3	4.4	5.5	6.1	6.2	6.0	7.7
16	---	---	6.4	6.1	6.4	6.2	4.7	5.0	6.2	6.2	6.1	8.1
17	---	---	6.3	6.2	6.5	5.1	4.9	5.1	6.2	6.2	5.9	8.5
18	---	---	6.4	6.2	6.5	4.6	5.0	5.2	6.3	5.5	5.8	8.6
19	---	---	6.4	6.1	6.6	4.8	5.1	5.3	6.4	5.8	5.8	8.7
20	---	---	6.5	6.1	6.6	4.9	5.2	5.4	6.5	6.0	5.9	8.8
21	---	---	6.6	6.2	6.5	5.0	5.3	5.5	6.5	6.1	6.0	8.9
22	---	---	6.6	6.2	6.6	5.1	5.4	5.5	6.5	5.9	6.1	9.0
23	---	---	6.5	6.3	6.6	5.0	5.5	5.6	6.6	3.9	6.2	9.1
24	---	---	6.6	6.4	6.4	4.8	5.6	5.7	6.7	4.3	6.3	9.2
25	---	---	6.6	6.3	6.4	4.9	5.7	5.8	6.7	4.7	6.4	9.2
26	---	---	6.5	6.3	6.4	5.1	5.8	5.8	6.7	5.0	6.4	9.2
27	---	---	6.4	6.5	6.3	5.2	5.8	5.9	6.8	5.2	6.5	9.3
28	---	---	6.2	6.6	5.8	5.2	5.9	6.0	6.7	5.4	6.6	9.4
29	---	---	6.1	6.5	---	5.3	6.0	6.0	5.4	5.3	6.6	9.4
30	---	---	6.0	6.3	---	5.3	6.0	6.1	5.3	5.0	6.7	9.6
31	---	---	6.0	6.4	---	5.4	---	6.2	---	5.0	6.8	---

WTR YR 2005 MEAN 6.1 HIGH 3.9 LOW 9.6



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--1994, 2001, 2002, October 2004 to September 2005.

REMARKS.--Well is part of the National Water Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Sampling depth, feet (00003)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)
DEC 02...	1415	15.07	5.54	72	8.47	.15	13.0	--	762	4.5	48	6.3	217
MAR 03...	1000	15.07	5.93	72	8.86	.10	--	3.5	760	4.9	47	6.3	213
JUN 02...	1145	15.07	6.18	72	9.11	.10	--	5.1	758	4.8	49	6.1	232
SEP 01...	1130	15.07	6.89	72	9.82	.10	--	1.4	757	5.1	57	7.1	215

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
DEC 02...	18.9		18.0	5.74	5.47	.1	2.34	27	33	.05	7.36	.4	8.13
MAR 03...	13.8	71	18.9	5.75	5.12	.1	2.35	28	34	.04	7.47	.3	6.87
JUN 02...	15.8	69	18.7	5.35	4.83	.1	2.31	31	38	.08	7.66	.4	7.47
SEP 01...	21.1	74	20.4	5.71	5.55	.1	2.33	36	44	.09	7.93	.3	7.44

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water, fltrd, 0.7u GF ug/L (82660)	2-Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)
DEC 02...	13.9	133	<.04	10.7	<.008	11.1	.008	<.09	<.006	<.005	E.058	<.004	<.004
MAR 03...	15.2	114	<.04	9.63	<.008	10.0	.015	<.09	<.006	<.005	E.046	<.004	<.004
JUN 02...	15.1	165	E.02	10.2	.010	10.5	.009	<.09	<.006	<.005	E.045	<.004	<.004
SEP 01...	14.1	139	<.04	9.55	<.008	9.71	.017	<.09	<.006	<.005	E.069	<.004	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4-Chloro-2-methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)
DEC 02...	--	<.006	<.006	<.005	--	.391	<.07	<.050	<.010	<.041	--	<.06	<.005
MAR 03...	--	<.006	<.006	<.005	--	.345	<.07	<.050	<.010	<.041	--	<.06	<.005
JUN 02...	<.004	<.006	<.006	<.005	<.005	.318	<.07	<.050	<.010	<.041	<.020	<.06	<.005
SEP 01...	<.004	<.006	<.006	<.005	<.005	.314	<.07	<.050	<.010	<.041	<.020	<.06	<.005

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyanazine, water, fltrd, ug/L (04041)	Cyfluthrin, water, fltrd, ug/L (61585)	lambda-Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin, water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)
DEC 02...	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
MAR 03...	<.006	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
JUN 02...	<.006	<.016	<.018	<.027	<.009	<.016	<.003	<.012	--	<.005	<.08	<.009	<.006
SEP 01...	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08	<.009	<.006

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monooxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulf-inyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
DEC 02...	--	--	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024
MAR 03...	--	--	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024
JUN 02...	<.01	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024
SEP 01...	<.01	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methiathion water, fltrd, ug/L (61598)	Methyl paraxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)
DEC 02...	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	.009
MAR 03...	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	.006
JUN 02...	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006
SEP 01...	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	.008

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF (82671)	Myclobutanil water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd 0.7u GF (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF (82676)	Propanil, water, fltrd 0.7u GF (82679)
DEC 02...	<.006	--	<.008	--	<.022	<.10	<.011	--	<.008	<.01	<.005	<.004	--
MAR 03...	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--
JUN 02...	<.006	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011
SEP 01...	<.006	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)
DEC 02...	--	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	E.22
MAR 03...	--	<.005	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	--
JUN 02...	<.02	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.02	<.004	<.009	<.01	--
SEP 01...	<.02	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	--