



Water-Data Report 2007

353103077333406 Local number GR-147, L55

Northern Atlantic Coastal Plain aquifer system
Yorktown Aquifer
Greene County, NC

LOCATION.--Lat 35°31'04", long 77°33'33" referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, near Lizzie, 20 ft north of Secondary Road 1335. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 72.6 ft, diameter 2 in., screened interval from 50 to 70 ft.

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

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

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

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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded 60.83 ft, above NGVD of 1929, December 1, 2006; lowest water level recorded 54.46 ft, above NGVD of 1929, October 10, 2002.

REVISIONS.--Revised figures for water levels for the water year 2000, superceding those published in the report for 2000 are given below.

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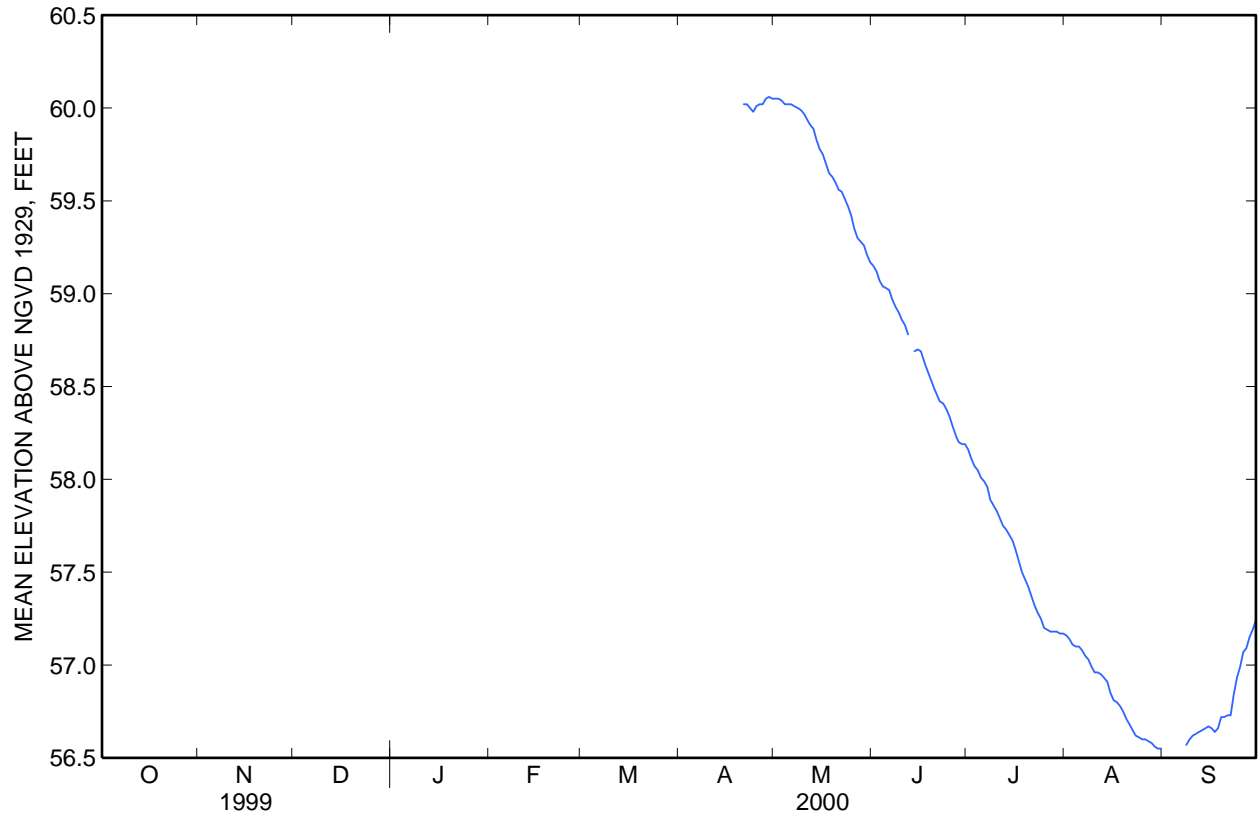
ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	60.05	59.15	58.16	57.16	---
2	---	---	---	---	---	---	---	60.05	59.12	58.11	57.14	---
3	---	---	---	---	---	---	---	60.04	59.07	58.07	57.11	---
4	---	---	---	---	---	---	---	60.02	59.04	58.05	57.10	---
5	---	---	---	---	---	---	---	60.02	59.03	58.01	57.10	---
6	---	---	---	---	---	---	---	60.02	59.02	57.99	57.08	---
7	---	---	---	---	---	---	---	60.01	58.97	57.96	57.05	---
8	---	---	---	---	---	---	---	60.00	58.93	57.89	57.03	56.57
9	---	---	---	---	---	---	---	59.99	58.90	57.86	56.99	56.60
10	---	---	---	---	---	---	---	59.97	58.86	57.83	56.96	56.62
11	---	---	---	---	---	---	---	59.94	58.83	57.79	56.96	56.63
12	---	---	---	---	---	---	---	59.91	58.78	57.75	56.95	56.64
13	---	---	---	---	---	---	---	59.89	---	57.73	56.93	56.65
14	---	---	---	---	---	---	---	59.83	58.69	57.70	56.91	56.66
15	---	---	---	---	---	---	---	59.78	58.70	57.67	56.85	56.67
16	---	---	---	---	---	---	---	59.75	58.69	57.62	56.81	56.66
17	---	---	---	---	---	---	---	59.70	58.64	57.56	56.80	56.64
18	---	---	---	---	---	---	---	59.65	58.59	57.50	56.78	56.66
19	---	---	---	---	---	---	---	59.63	58.54	57.46	56.75	56.72
20	---	---	---	---	---	---	---	59.60	58.50	57.42	56.71	56.72
21	---	---	---	---	---	---	60.02	59.56	58.46	57.37	56.68	56.73
22	---	---	---	---	---	---	60.02	59.55	58.42	57.32	56.65	56.73
23	---	---	---	---	---	---	60.00	59.51	58.41	57.28	56.62	56.84
24	---	---	---	---	---	---	59.98	59.47	58.38	57.25	56.61	56.93
25	---	---	---	---	---	---	60.01	59.42	58.34	57.20	56.60	56.99
26	---	---	---	---	---	---	60.02	59.35	58.29	57.19	56.60	57.07
27	---	---	---	---	---	---	60.02	59.30	58.24	57.18	56.59	57.09
28	---	---	---	---	---	---	60.05	59.28	58.20	57.18	56.58	57.15
29	---	---	---	---	---	---	60.06	59.26	58.19	57.18	56.56	57.19
30	---	---	---	---	---	---	60.05	59.21	58.19	57.17	56.55	57.24
31	---	---	---	---	---	---	---	59.17	---	57.17	56.55	---
Mean	---	---	---	---	---	---	60.02	59.71	58.66	57.60	56.83	56.80
Max	---	---	---	---	---	---	60.06	60.05	59.15	58.16	57.16	57.24
Min	---	---	---	---	---	---	59.98	59.17	58.19	57.17	56.55	56.57

Water Year 2000

Mean	58.10
Max	60.06
Min	56.55

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60.00	59.80	60.81	60.69	60.65	60.47	60.06	59.92	59.21	58.43	57.24	56.22
2	59.95	59.82	60.80	60.68	60.70	60.47	60.04	59.91	59.17	58.38	57.19	56.18
3	59.92	59.82	60.78	60.66	60.68	60.47	60.04	59.90	59.16	58.34	57.16	56.12
4	59.90	59.81	60.79	60.66	60.67	60.43	60.03	59.87	59.17	58.31	57.12	56.08
5	59.88	59.82	60.79	60.67	60.67	60.39	60.01	59.83	59.17	58.28	57.08	56.02
6	59.87	59.84	60.78	60.70	60.67	60.36	59.98	59.82	59.17	58.25	57.04	55.96
7	59.85	59.92	60.78	60.69	60.71	60.34	59.95	59.80	59.16	58.21	57.00	55.91
8	59.83	60.03	60.74	60.72	60.69	60.33	59.91	59.79	59.14	58.16	56.94	55.87
9	59.81	60.04	60.71	60.71	60.68	60.27	59.88	59.78	59.13	58.10	56.89	55.84
10	59.82	60.04	60.70	60.67	60.67	60.23	59.85	59.78	59.10	58.06	56.86	55.79
11	59.81	60.06	60.69	60.64	60.65	60.23	59.83	59.78	59.07	58.04	56.84	55.75
12	59.80	60.15	60.68	60.63	60.64	60.22	59.83	59.78	59.04	58.01	56.83	55.70
13	59.79	60.19	60.68	60.63	60.65	60.22	59.83	59.78	59.01	57.96	56.82	55.65
14	59.76	60.23	60.68	60.63	60.71	60.21	59.81	59.76	58.99	57.91	56.78	55.60
15	59.72	60.27	60.68	60.63	60.66	60.20	59.89	59.73	58.92	57.87	56.73	55.60
16	59.67	60.35	60.67	60.64	60.64	60.19	59.94	59.73	58.87	57.82	56.68	55.59
17	59.66	60.38	60.64	60.59	60.64	60.20	59.94	59.73	58.85	57.77	56.65	55.57
18	59.72	60.40	60.62	60.58	60.63	60.20	59.94	59.72	58.85	57.76	56.60	55.54
19	59.72	60.43	60.60	60.61	60.58	60.20	59.94	59.70	58.83	57.76	56.56	55.51
20	59.73	60.45	60.57	60.61	60.57	60.19	59.94	59.67	58.81	57.74	56.52	55.49
21	59.70	60.49	60.56	60.58	60.58	60.19	59.94	59.64	58.78	57.70	56.46	55.49
22	59.70	60.63	60.56	60.63	60.57	60.19	59.94	59.60	58.73	57.66	56.42	55.49
23	59.70	60.62	60.59	60.63	60.53	60.16	59.94	59.56	58.68	57.63	56.42	55.48
24	59.69	60.63	60.58	60.63	60.50	60.15	59.94	59.52	58.64	57.57	56.41	55.46
25	59.68	60.65	60.62	60.64	60.49	60.14	59.95	59.50	58.57	57.52	56.39	55.43
26	59.66	60.68	60.68	60.63	60.50	60.13	59.95	59.47	58.52	57.47	56.38	55.42
27	59.66	60.72	60.64	60.65	60.49	60.09	59.95	59.44	58.48	57.43	56.36	55.40
28	59.81	60.74	60.62	60.68	60.48	60.09	59.95	59.39	58.46	57.39	56.32	55.38
29	59.79	60.76	60.62	60.65	---	60.09	59.94	59.35	58.43	57.35	56.26	55.33
30	59.79	60.78	60.62	60.64	---	60.07	59.93	59.32	58.46	57.30	56.22	55.29
31	59.79	---	60.64	60.63	---	60.07	---	59.26	---	57.28	56.22	---
Mean	59.78	60.28	60.67	60.65	60.62	60.23	59.94	59.67	58.89	57.85	56.69	55.67
Max	60.00	60.78	60.81	60.72	60.71	60.47	60.06	59.92	59.21	58.43	57.24	56.22
Min	59.66	59.80	60.56	60.58	60.48	60.07	59.81	59.26	58.43	57.28	56.22	55.29

Water Year 2007	
Mean	59.24
Max	60.81
Min	55.29

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