

Water-Data Report 2008

**353103077333406 Local number GR-147, L55, NCDENR Lizzie Research Station, near Lizzie, NC
(Yorktown)**

Surficial 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 ft to 70 ft.

DATUM.--Land-surface datum is 77.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of metal casing, 1.41 ft above land-surface datum, May 20, 1999, to present.

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

REVISED RECORDS.--WDR-US-2007: Water levels, September 1-7, 2000.

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 59.88 ft, above land surface datum, April 20-26, 2008; lowest water level recorded 54.76 ft, land surface datum, September 9-20, 2008.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	55.27	54.95	55.02	55.73	56.87	57.94	59.39	59.87	59.12	57.40	55.81	54.85
2	55.26	54.95	55.02	55.76	56.90	58.00	59.40	59.87	59.08	57.31	55.77	54.84
3	55.25	54.96	55.03	55.76	56.90	58.07	59.40	59.86	59.04	57.25	55.73	54.83
4	55.24	54.98	55.03	55.79	56.92	58.16	59.41	59.86	59.00	57.19	55.68	54.81
5	55.24	54.98	55.03	55.87	56.95	58.29	59.49	59.86	58.94	57.12	55.63	54.79
6	55.23	54.98	55.02	55.94	56.98	58.31	59.57	59.86	58.88	57.04	55.60	54.78
7	55.22	54.98	55.01	55.98	57.00	58.42	59.57	59.86	58.84	56.99	55.56	54.78
8	55.21	54.99	55.01	56.03	57.00	58.54	59.60	59.86	58.79	56.93	55.53	54.77
9	55.20	54.99	55.01	56.08	57.02	58.58	59.63	59.85	58.74	56.87	55.48	54.76
10	55.20	54.99	55.00	56.12	57.03	58.60	59.66	59.83	58.68	56.83	55.44	54.76
11	55.19	54.99	55.00	56.20	57.04	58.68	59.70	59.79	58.62	56.78	55.40	54.76
12	55.14	55.00	55.01	56.21	57.04	58.76	59.75	59.78	58.55	56.72	55.34	54.76
13	55.09	55.00	55.01	56.25	57.05	58.79	59.77	59.71	58.50	56.68	55.33	54.76
14	55.09	55.00	55.01	56.29	57.05	58.86	59.77	59.67	58.49	56.62	55.32	54.76
15	55.05	55.01	55.01	56.32	57.06	58.92	59.77	59.64	58.49	56.56	55.27	54.76
16	55.03	55.02	55.17	56.33	57.06	59.01	59.77	59.61	58.45	56.50	55.23	54.76
17	55.02	55.03	55.15	56.39	57.07	59.01	59.77	59.59	58.39	56.44	55.19	54.76
18	55.02	55.03	55.14	56.43	57.12	59.05	59.77	59.56	58.33	56.38	55.16	54.76
19	55.02	55.03	55.16	56.48	57.18	59.14	59.77	59.53	58.23	56.33	55.11	54.76
20	54.99	55.03	55.19	56.52	57.18	59.20	59.82	59.51	58.15	56.30	55.06	54.76
21	54.94	55.04	55.21	56.52	57.20	59.20	59.88	59.50	58.08	56.25	55.00	54.77
22	54.92	55.04	55.21	56.57	57.20	59.23	59.88	59.45	58.02	56.17	54.98	54.77
23	54.92	55.04	55.26	56.64	57.30	59.26	59.88	59.40	57.94	56.12	54.98	54.78
24	54.92	55.02	55.29	56.68	57.38	59.26	59.88	59.37	57.83	56.11	54.96	54.80
25	54.92	55.03	55.30	56.69	57.43	59.27	59.88	59.33	57.75	56.09	54.93	54.85
26	54.92	55.03	55.39	56.69	57.69	59.29	59.88	59.30	57.70	56.06	54.88	54.97
27	54.93	55.03	55.44	56.73	57.79	59.32	59.87	59.26	57.64	56.03	54.86	---
28	54.93	55.02	55.47	56.74	57.80	59.34	59.87	59.22	57.56	55.99	54.86	---
29	54.93	55.03	55.54	56.78	57.84	59.34	59.87	59.20	57.49	55.95	54.86	---
30	54.93	55.03	55.61	56.83	---	59.35	59.87	59.17	57.47	55.91	54.86	---
31	54.94	---	55.67	56.84	---	59.36	---	59.15	---	55.86	54.86	---
Mean	55.07	55.01	55.17	56.33	57.17	58.86	59.72	59.59	58.36	56.54	55.25	54.79
Max	55.27	55.04	55.67	56.84	57.84	59.36	59.88	59.87	59.12	57.40	55.81	54.97
Min	54.92	54.95	55.00	55.73	56.87	57.94	59.39	59.15	57.47	55.86	54.86	54.76

Water Year 2008	
Mean	56.84
Max	59.88
Min	54.76

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