

Water-Data Report 2008

353103077333401 Local number GR-082, L2 NCDENR Lizzie Research Station, N26q2, near Lizzie, NC (Surficial)

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
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 16 ft, diameter 2 in., cased to 6 ft, screened interval from 6 ft to 16 ft.

DATUM.--Land-surface datum is 76.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of metal casing, 2.71 ft above land-surface datum, May 20, 1999, to present.

PERIOD OF RECORD.--December 1999 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 elevation recorded 77.05 ft, above land surface datum, September 1, 2006; lowest elevation recorded, 67.63 ft, above land surface datum, December 14, 15, 2007.

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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	68.41	68.55	67.81	73.36	73.27	75.15	74.07	74.44	72.94	71.05	69.59	68.43
2	68.38	68.50	67.78	73.26	73.37	74.88	74.03	74.30	72.89	70.93	69.52	68.39
3	68.36	68.47	67.77	73.10	73.46	74.77	73.99	74.17	72.85	70.84	69.47	68.34
4	68.33	68.42	67.76	73.07	73.48	74.74	74.00	74.05	72.79	70.75	69.40	68.29
5	68.30	68.37	67.75	73.06	73.51	75.78	75.29	73.94	72.69	70.67	69.35	68.29
6	68.42	68.33	67.73	73.01	73.53	75.48	76.12	73.84	72.65	70.59	69.30	68.72
7	68.35	68.27	67.71	72.94	73.46	75.74	75.80	73.74	72.58	70.58	69.26	68.85
8	68.26	68.24	67.70	72.92	73.40	76.05	75.53	73.68	72.51	70.51	69.18	68.83
9	68.23	68.22	67.68	72.91	73.37	75.59	75.27	73.62	72.42	70.46	69.10	68.91
10	68.20	68.18	67.68	72.86	73.33	75.34	75.09	73.50	72.34	70.46	69.06	69.47
11	68.16	68.13	67.67	72.86	73.22	75.18	74.96	73.49	72.25	70.39	69.01	69.49
12	68.13	68.11	67.66	72.74	73.26	75.04	74.81	73.41	72.16	70.33	68.95	69.51
13	68.09	68.10	67.65	72.72	74.36	74.84	74.63	73.29	72.09	70.29	68.98	69.49
14	68.06	68.07	67.64	72.67	75.21	74.73	74.46	73.27	72.03	70.19	68.95	69.47
15	68.04	68.04	67.65	72.62	74.97	74.72	74.37	73.24	71.99	70.11	68.88	69.41
16	68.01	68.00	68.51	72.52	74.80	75.66	74.23	73.24	71.89	70.05	68.83	69.58
17	67.99	67.97	68.74	72.60	74.71	75.27	74.18	73.15	71.81	70.00	68.78	70.20
18	67.97	67.94	68.78	72.56	75.75	75.09	74.09	73.12	71.72	69.96	68.73	70.32
19	67.95	67.92	68.82	72.62	75.66	75.05	74.01	73.05	71.62	69.88	68.68	70.23
20	67.92	67.91	68.83	73.12	75.37	74.97	74.06	73.07	71.54	69.87	68.61	70.24
21	67.89	67.91	68.83	73.29	75.09	74.75	75.18	73.30	71.49	69.80	68.56	70.17
22	67.88	67.89	68.80	73.44	75.90	74.66	75.22	73.28	71.44	69.69	68.52	70.13
23	67.86	67.88	68.84	73.45	76.02	74.50	74.96	73.20	71.42	69.63	68.46	70.08
24	67.85	67.87	68.83	73.42	75.82	74.44	74.74	73.17	71.29	70.17	68.40	70.06
25	67.86	67.87	68.80	73.29	75.59	74.32	74.58	73.09	71.20	70.14	68.34	70.12
26	67.88	67.86	70.45	73.37	75.64	74.26	74.44	73.03	71.15	70.09	68.32	72.31
27	68.35	67.84	72.15	73.35	75.65	74.20	74.35	72.98	71.06	70.01	68.50	73.15
28	68.59	67.84	72.23	73.30	75.21	74.13	75.18	72.92	70.97	69.89	68.69	73.06
29	68.60	67.83	72.27	73.33	75.01	73.99	74.93	73.03	70.89	69.81	68.66	72.93
30	68.59	67.82	72.45	73.23	---	73.93	74.63	73.03	71.19	69.73	68.59	72.86
31	68.57	---	73.15	73.13	---	73.99	---	73.00	---	69.67	68.50	---
Mean	68.18	68.08	68.91	73.04	74.53	74.88	74.71	73.41	71.93	70.21	68.88	69.98
Max	68.60	68.55	73.15	73.45	76.02	76.05	76.12	74.44	72.94	71.05	69.59	73.15
Min	67.85	67.82	67.64	72.52	73.22	73.93	73.99	72.92	70.89	69.63	68.32	68.29

Water Year 2008	
Mean	71.38
Max	76.12
Min	67.64

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