

Water-Data Report 2008

360455081530101 Local number AV-074 (NC-220), NCDENR Linville Research Station well H78d8 near Linville, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Phyllite

Avery County, NC

LOCATION.--Lat 36°04'55", long 81°53'02" referenced to North American Datum of 1983, Avery County, NC, Hydrologic Unit 03050101, near Linville.
Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUND-WATER RECORDS

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

DATUM.--Land-surface datum is 3,919.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of instrument shelf, 1.00 ft above land-surface datum, June 2000 to present.

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 Records from March 1972 to March 2000 are unpublished and available in the files of the NCDENR, Division of Water Quality.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.16 ft below land-surface datum, September 8, 2004; lowest water level recorded, 2.83 ft below land-surface datum, August 24, 25, 2008.

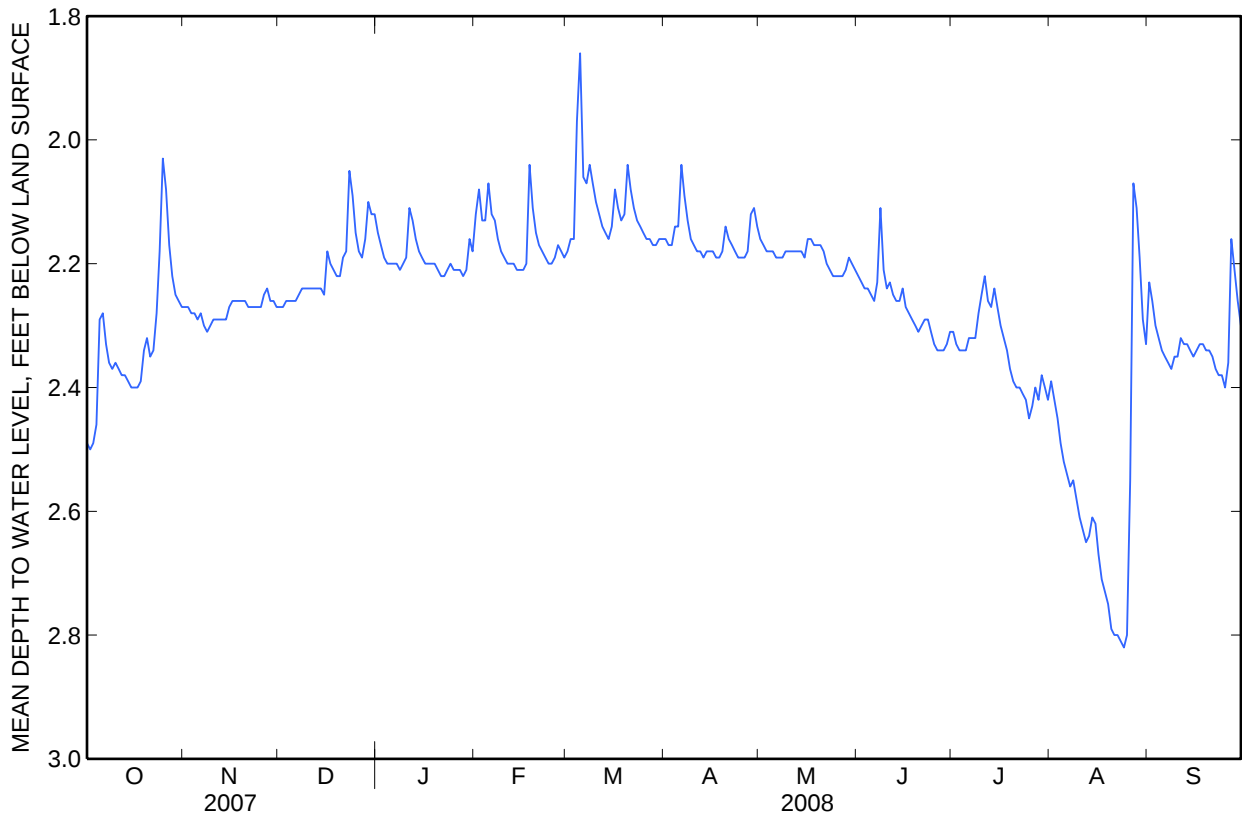
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.49	2.27	2.27	2.15	2.12	2.18	2.16	2.16	2.22	2.31	2.39	2.23
2	2.50	2.27	2.27	2.17	2.08	2.16	2.17	2.17	2.23	2.33	2.42	2.26
3	2.49	2.28	2.26	2.19	2.13	2.16	2.17	2.18	2.24	2.34	2.45	2.30
4	2.46	2.28	2.26	2.20	2.13	1.97	2.14	2.18	2.24	2.34	2.49	2.32
5	2.29	2.29	2.26	2.20	2.07	1.86	2.14	2.18	2.25	2.34	2.52	2.34
6	2.28	2.28	2.26	2.20	2.12	2.06	2.04	2.19	2.26	2.32	2.54	2.35
7	2.33	2.30	2.25	2.20	2.13	2.07	2.09	2.19	2.23	2.32	2.56	2.36
8	2.36	2.31	2.24	2.21	2.16	2.04	2.13	2.19	2.11	2.32	2.55	2.37
9	2.37	2.30	2.24	2.20	2.18	2.07	2.16	2.18	2.21	2.28	2.58	2.35
10	2.36	2.29	2.24	2.19	2.19	2.10	2.17	2.18	2.24	2.25	2.61	2.35
11	2.37	2.29	2.24	2.11	2.20	2.12	2.18	2.18	2.23	2.22	2.63	2.32
12	2.38	2.29	2.24	2.13	2.20	2.14	2.18	2.18	2.25	2.26	2.65	2.33
13	2.38	2.29	2.24	2.16	2.20	2.15	2.19	2.18	2.26	2.27	2.64	2.33
14	2.39	2.29	2.24	2.18	2.21	2.16	2.18	2.18	2.26	2.24	2.61	2.34
15	2.40	2.27	2.25	2.19	2.21	2.14	2.18	2.19	2.24	2.27	2.62	2.35
16	2.40	2.26	2.18	2.20	2.21	2.08	2.18	2.16	2.27	2.30	2.67	2.34
17	2.40	2.26	2.20	2.20	2.20	2.11	2.19	2.16	2.28	2.32	2.71	2.33
18	2.39	2.26	2.21	2.20	2.04	2.13	2.19	2.17	2.29	2.34	2.73	2.33
19	2.34	2.26	2.22	2.20	2.11	2.12	2.18	2.17	2.30	2.37	2.75	2.34
20	2.32	2.26	2.22	2.21	2.15	2.04	2.14	2.17	2.31	2.39	2.79	2.34
21	2.35	2.27	2.19	2.22	2.17	2.08	2.16	2.18	2.30	2.40	2.80	2.35
22	2.34	2.27	2.18	2.22	2.18	2.11	2.17	2.20	2.29	2.40	2.80	2.37
23	2.28	2.27	2.05	2.21	2.19	2.13	2.18	2.21	2.29	2.41	2.81	2.38
24	2.18	2.27	2.09	2.20	2.20	2.14	2.19	2.22	2.31	2.42	2.82	2.38
25	2.03	2.27	2.15	2.21	2.20	2.15	2.19	2.22	2.33	2.45	2.80	2.40
26	2.08	2.25	2.18	2.21	2.19	2.16	2.19	2.22	2.34	2.43	2.55	2.36
27	2.17	2.24	2.19	2.21	2.17	2.16	2.18	2.22	2.34	2.40	2.07	2.16
28	2.22	2.26	2.16	2.22	2.18	2.17	2.12	2.21	2.34	2.42	2.11	2.21
29	2.25	2.26	2.10	2.21	2.19	2.17	2.11	2.19	2.33	2.38	2.19	2.26
30	2.26	2.27	2.12	2.16	---	2.16	2.14	2.20	2.31	2.40	2.29	2.30
31	2.27	---	2.12	2.18	---	2.16	---	2.21	---	2.42	2.33	---
Mean	2.33	2.27	2.20	2.19	2.16	2.11	2.16	2.19	2.27	2.34	2.56	2.33
Max	2.50	2.31	2.27	2.22	2.21	2.18	2.19	2.22	2.34	2.45	2.82	2.40
Min	2.03	2.24	2.05	2.11	2.04	1.86	2.04	2.16	2.11	2.22	2.07	2.16

Water Year 2008	
Mean	2.26
High	1.86
Low	2.82

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