



Water-Data Report 2007

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

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 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of instrument shelf, 1.00 ft above land-surface datum.

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 Records from March 1972 to March 2000 are unpublished and available in the files of the NCDENR, Division of Water Quality.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, 2.74 ft below land-surface datum, September 13, 14, 2002.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.19	2.13	1.91	1.87	2.14	2.08	2.08	2.09	2.23	2.23	2.24	2.34
2	2.19	2.09	1.98	2.02	2.13	1.91	2.08	2.10	2.20	2.25	2.27	2.35
3	2.20	2.10	2.05	2.06	2.14	2.02	2.08	2.11	2.21	2.25	2.29	2.36
4	2.21	2.12	2.09	2.08	2.14	2.07	2.09	2.11	2.21	2.25	2.30	2.37
5	2.21	2.12	2.11	2.08	2.14	2.09	2.10	2.11	2.23	2.26	2.31	2.39
6	2.18	2.13	2.12	2.03	2.15	2.10	2.11	2.08	2.24	2.27	2.31	2.41
7	2.19	2.06	2.12	2.05	2.14	2.11	2.12	2.10	2.26	2.28	2.32	2.43
8	2.18	1.85	2.12	1.95	2.15	2.11	2.12	2.11	2.27	2.29	2.33	2.46
9	2.19	1.99	2.12	2.02	2.15	2.12	2.11	2.12	2.28	2.31	2.35	2.49
10	2.20	2.03	2.13	2.07	2.15	2.12	2.11	2.13	2.29	2.32	2.38	2.53
11	2.20	2.04	2.13	2.08	2.15	2.12	2.11	2.13	2.30	2.32	2.40	2.54
12	2.19	1.99	2.13	2.08	2.15	2.13	2.06	2.14	2.29	2.30	2.40	2.52
13	2.20	2.02	2.13	2.07	2.15	2.13	2.08	2.14	2.28	2.31	2.41	2.54
14	2.20	2.03	2.13	2.09	2.12	2.13	2.09	2.14	2.27	2.31	2.43	2.39
15	2.21	2.04	2.13	2.10	2.13	2.13	2.02	2.14	2.22	2.33	2.46	2.26
16	2.20	1.84	2.13	2.10	2.14	1.97	2.01	2.15	2.20	2.34	2.49	2.32
17	2.06	1.94	2.14	2.11	2.14	1.98	2.04	2.15	2.22	2.34	2.51	2.35
18	2.04	2.00	2.14	2.12	2.14	2.05	2.06	2.15	2.25	2.31	2.53	2.36
19	2.11	2.03	2.14	2.13	2.15	2.08	2.08	2.15	2.27	2.34	2.55	2.37
20	2.11	2.04	2.14	2.13	2.15	2.09	2.09	2.15	2.26	2.36	2.56	2.37
21	2.13	2.04	2.14	2.12	2.09	2.09	2.09	2.15	2.27	2.36	2.57	2.37
22	2.13	2.05	2.00	2.04	2.07	2.09	2.10	2.16	2.29	2.38	2.57	2.36
23	2.14	2.06	1.97	2.06	2.09	2.09	2.10	2.16	2.31	2.40	2.57	2.38
24	2.15	2.06	2.06	2.09	2.11	2.10	2.11	2.16	2.32	2.31	2.55	2.40
25	2.15	2.07	2.06	2.11	2.09	2.11	2.11	2.16	2.30	2.22	2.56	2.40
26	2.15	2.08	2.04	2.12	2.06	2.11	2.11	2.16	2.16	2.14	2.57	2.40
27	2.12	2.09	2.07	2.13	2.09	2.12	2.09	2.18	2.10	2.13	2.58	2.42
28	2.02	2.09	2.09	2.13	2.11	2.11	2.09	2.21	2.19	2.17	2.51	2.42
29	2.08	2.09	2.11	2.13	---	2.01	2.08	2.22	2.21	2.20	2.43	2.44
30	2.11	2.05	2.12	2.13	---	2.03	2.07	2.24	2.21	2.22	2.42	2.47
31	2.12	---	2.09	2.13	---	2.06	---	2.25	---	2.22	2.40	---
Mean	2.15	2.04	2.09	2.08	2.13	2.08	2.09	2.15	2.24	2.28	2.44	2.41
Max	2.21	2.13	2.14	2.13	2.15	2.13	2.12	2.25	2.32	2.40	2.58	2.54
Min	2.02	1.84	1.91	1.87	2.06	1.91	2.01	2.08	2.10	2.13	2.24	2.26

Water Year 2007	
Mean	2.18
High	1.84
Low	2.58

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