

GROUND-WATER LEVELS

AVERY COUNTY

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

LOCATION.--Lat 36°04'55.08", long 81°53'01.73", North American Datum of 1983, Hydrologic Unit 03050101, nr Linville. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Phyllite.

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

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

DATUM.--Land-surface datum is 3,919.00 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 1.00 ft above land-surface datum.

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

PERIOD OF RECORD.--June 2000 to current year. Records from March 1972 to March 2000 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.64 ft below land-surface datum, Mar. 29, 2001; lowest water level recorded, 2.74 ft below land-surface datum, Sept. 13, 14, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	2.09	2.06	2.04	2.00	2.03	1.89	2.02	2.08	1.99	2.24	2.31
2	2.19	2.09	2.07	2.04	2.01	1.98	1.93	2.02	2.10	2.02	2.26	2.30
3	2.20	2.09	2.07	2.04	2.01	1.88	1.96	2.02	2.10	1.93	2.25	2.30
4	2.23	2.09	2.07	2.04	2.02	1.94	1.98	2.01	2.10	2.00	2.27	2.30
5	2.24	2.09	2.07	2.04	2.02	1.98	1.99	2.00	2.10	2.04	2.30	2.32
6	2.23	2.09	2.07	2.04	2.02	2.00	1.99	2.01	2.10	2.06	2.33	2.36
7	2.22	2.09	2.07	2.04	1.99	2.00	2.00	2.02	2.10	2.07	2.35	2.39
8	2.22	2.09	2.07	2.04	1.95	2.00	2.00	2.03	2.10	2.08	2.35	2.43
9	2.21	2.09	2.07	2.04	1.96	2.00	2.01	2.03	2.10	2.09	2.38	2.48
10	2.20	2.09	2.02	2.03	1.96	2.00	1.96	2.04	2.11	2.10	2.41	2.59
11	2.19	2.09	1.87	1.98	1.96	2.01	1.97	2.04	2.12	2.11	2.41	2.67
12	2.16	2.09	1.96	1.98	1.98	1.99	1.98	2.04	2.13	2.11	2.43	2.71
13	2.14	2.09	2.00	2.00	2.00	1.91	1.99	2.04	2.11	2.11	2.46	2.74
14	2.01	2.09	2.00	2.02	2.00	1.90	1.99	2.02	2.00	2.07	2.50	2.60
15	1.99	2.09	2.00	2.02	2.01	1.94	1.99	2.03	2.06	2.08	2.49	2.37
16	2.05	2.09	2.02	2.04	2.02	1.97	2.00	2.04	2.08	2.10	2.40	2.31
17	2.07	2.09	2.02	2.04	2.02	1.85	2.00	2.05	2.10	2.11	2.38	2.31
18	2.07	2.09	1.95	2.04	2.02	1.81	2.01	2.05	2.11	2.12	2.40	2.31
19	2.08	2.09	1.97	1.94	2.02	1.88	2.01	2.05	2.10	2.13	2.46	2.31
20	2.08	2.09	2.00	1.83	2.02	1.92	2.01	2.05	2.10	2.13	2.48	2.31
21	2.08	2.09	2.01	1.93	2.02	1.94	2.01	2.06	2.11	2.13	2.52	2.28
22	2.08	2.09	2.02	1.96	2.02	1.95	2.01	2.06	2.12	2.15	2.58	2.22
23	2.08	2.09	2.03	1.83	2.02	1.96	2.01	2.06	2.13	2.17	2.61	2.15
24	2.09	2.05	2.01	1.81	2.02	1.97	2.02	2.07	2.13	2.17	2.61	2.19
25	2.09	1.98	2.02	1.86	2.02	1.98	2.02	2.08	2.13	2.17	2.46	2.20
26	2.09	2.02	2.02	1.90	2.02	1.98	2.02	2.10	2.13	2.16	2.44	2.04
27	2.09	2.05	2.03	1.94	2.02	1.97	2.02	2.02	2.09	2.17	2.40	1.89
28	2.09	2.07	2.03	1.95	2.03	1.97	2.02	1.96	2.08	2.17	2.37	2.00
29	2.09	2.08	2.03	1.97	---	1.98	2.01	2.02	1.97	2.19	2.36	2.09
30	2.09	2.07	2.03	1.98	---	1.97	2.01	2.06	1.92	2.19	2.35	2.12
31	2.09	---	2.03	2.00	---	1.91	---	2.07	---	2.21	2.33	---

WTR YR 2002 MEAN 2.09 HIGH 1.81 LOW 2.74

