

Water-Data Report 2008

351808082374302 Local number TR-065 (NC-144), at Blantyre, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Transylvania County, NC

LOCATION.--Lat 35°18'10", long 82°37'42" referenced to North American Datum of 1983, Transylvania County, NC, Hydrologic Unit 06010105, 0.25 mi northwest of U.S. Highway 64 on King Road (Secondary Road 1502, at Blantyre. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 70 ft, diameter 4 in., cased to 58 ft, casing perforated from 15 to 58 ft, gravel filter pack from 5 to 58 ft, backfilled with gravel and saprolite from 58 to 70 ft.

DATUM.--Land-surface datum is 2,147.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Three cuts in top of casing, 1.30 ft above land-surface datum, October 1, 1981 to present.

PERIOD OF RECORD.--October 1981 to current year.

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

REMARKS.--In September 1984, this well replaced discontinued well NC-127 (351808082374301). Well is part of terrane-effects network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 22.20 ft below land-surface datum, April 26, 1993; lowest water level recorded, 40.09 ft below land-surface datum, September 30, 2008.

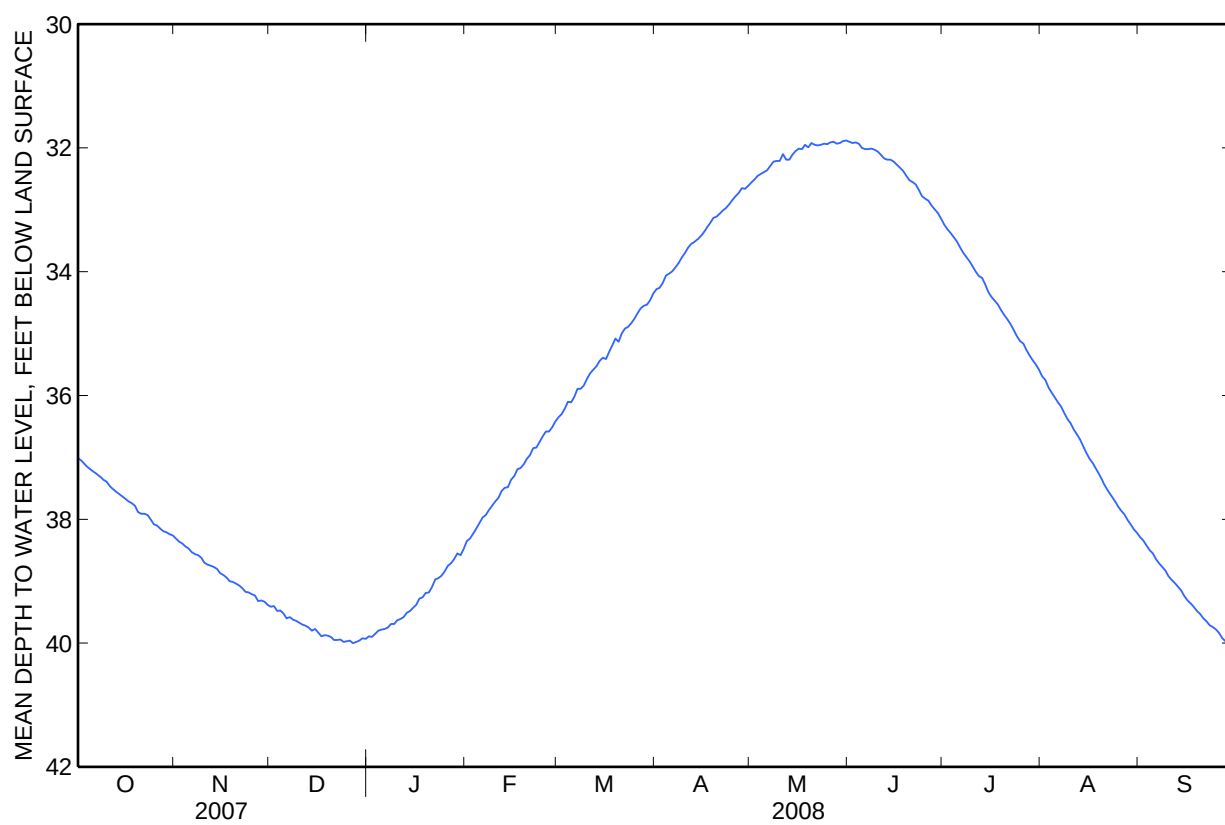
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37.01	38.31	39.41	39.89	38.35	36.35	34.28	32.56	31.90	33.24	35.69	38.29
2	37.05	38.36	39.40	39.90	38.31	36.30	34.26	32.51	31.92	33.31	35.75	38.34
3	37.10	38.39	39.48	39.85	38.23	36.21	34.18	32.45	31.91	33.37	35.87	38.42
4	37.15	38.44	39.47	39.80	38.15	36.10	34.06	32.42	31.93	33.44	35.95	38.50
5	37.20	38.47	39.52	39.78	38.06	36.11	34.03	32.39	32.00	33.51	36.03	38.55
6	37.23	38.53	39.60	39.77	37.97	36.02	33.99	32.36	32.02	33.60	36.11	38.64
7	37.27	38.56	39.58	39.75	37.93	35.89	33.93	32.29	32.02	33.69	36.18	38.71
8	37.31	38.58	39.62	39.69	37.85	35.89	33.86	32.22	32.01	33.76	36.28	38.77
9	37.36	38.62	39.64	39.69	37.78	35.84	33.77	32.21	32.03	33.83	36.38	38.83
10	37.39	38.70	39.67	39.63	37.71	35.73	33.70	32.21	32.06	33.91	36.45	38.92
11	37.46	38.73	39.70	39.61	37.65	35.64	33.61	32.10	32.11	34.00	36.55	38.98
12	37.51	38.75	39.72	39.58	37.54	35.58	33.55	32.19	32.17	34.07	36.63	39.03
13	37.55	38.77	39.75	39.51	37.49	35.53	33.52	32.19	32.19	34.10	36.71	39.09
14	37.59	38.80	39.80	39.48	37.48	35.44	33.47	32.11	32.19	34.21	36.82	39.15
15	37.63	38.87	39.77	39.43	37.36	35.39	33.43	32.05	32.22	34.33	36.93	39.24
16	37.67	38.90	39.83	39.38	37.30	35.41	33.36	32.01	32.27	34.41	37.02	39.31
17	37.71	38.94	39.89	39.28	37.19	35.30	33.28	32.02	32.32	34.47	37.09	39.36
18	37.74	39.00	39.87	39.26	37.17	35.19	33.21	31.95	32.37	34.53	37.18	39.42
19	37.78	39.01	39.88	39.19	37.11	35.08	33.13	31.99	32.45	34.62	37.27	39.48
20	37.88	39.04	39.90	39.18	37.02	35.13	33.11	31.92	32.52	34.70	37.37	39.53
21	37.91	39.07	39.95	39.09	36.96	35.00	33.06	31.95	32.55	34.77	37.46	39.60
22	37.91	39.11	39.95	38.97	36.85	34.92	33.01	31.96	32.59	34.85	37.56	39.65
23	37.93	39.17	39.94	38.95	36.84	34.89	32.97	31.95	32.68	34.94	37.63	39.71
24	38.00	39.18	39.98	38.91	36.75	34.83	32.91	31.93	32.78	35.04	37.70	39.74
25	38.08	39.21	39.97	38.84	36.66	34.76	32.84	31.94	32.82	35.12	37.79	39.78
26	38.10	39.23	39.96	38.75	36.58	34.67	32.78	31.91	32.85	35.16	37.86	39.84
27	38.15	39.32	40.00	38.71	36.58	34.59	32.73	31.90	32.93	35.26	37.92	39.92
28	38.19	39.31	39.98	38.64	36.51	34.55	32.65	31.93	32.99	35.35	38.01	39.97
29	38.21	39.33	39.96	38.55	36.42	34.53	32.66	31.92	33.05	35.43	38.08	40.01
30	38.24	39.38	39.92	38.58	---	34.46	32.61	31.89	33.14	35.50	38.16	40.05
31	38.26	---	39.93	38.48	---	34.35	---	31.88	---	35.58	38.22	---
Mean	37.66	38.87	39.78	39.29	37.37	35.34	33.40	32.11	32.37	34.39	36.99	39.23
Max	38.26	39.38	40.00	39.90	38.35	36.35	34.28	32.56	33.14	35.58	38.22	40.05
Min	37.01	38.31	39.40	38.48	36.42	34.35	32.61	31.88	31.90	33.24	35.69	38.29

Water Year 2008	
Mean	36.40
High	31.88
Low	40.05

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