



Water-Data Report 2010

**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.

**GROUNDWATER 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 NGVD of 1929. Measuring point: Three cuts in top of casing, 1.30 ft above land-surface datum.

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, 42.23 ft below land-surface datum, December 12, 2008.

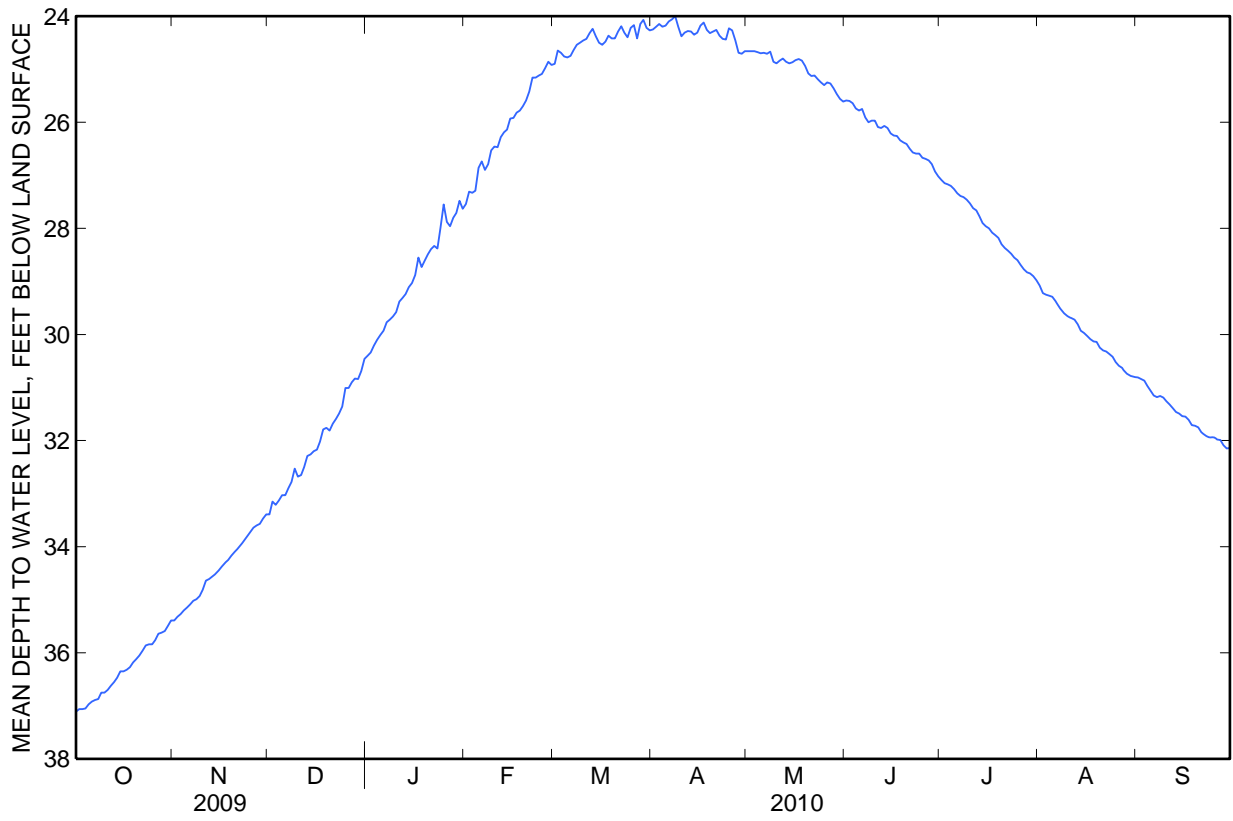
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37.11	35.39	33.39	30.40	27.54	24.90	24.25	24.66	25.59	27.09	29.08	30.81
2	37.06	35.32	33.15	30.34	27.31	24.65	24.20	24.66	25.60	27.15	29.22	30.84
3	37.06	35.27	33.21	30.21	27.33	24.69	24.15	24.66	25.64	27.17	29.25	30.87
4	37.05	35.20	33.13	30.10	27.29	24.76	24.20	24.68	25.74	27.20	29.27	30.97
5	36.97	35.15	33.03	30.01	26.86	24.78	24.18	24.70	25.78	27.26	29.29	31.06
6	36.92	35.09	33.03	29.93	26.74	24.75	24.10	24.69	25.75	27.34	29.37	31.15
7	36.89	35.02	32.90	29.77	26.90	24.64	24.06	24.71	25.91	27.39	29.47	31.18
8	36.87	34.99	32.78	29.72	26.79	24.54	24.00	24.67	26.00	27.41	29.55	31.16
9	36.75	34.93	32.53	29.66	26.53	24.50	24.20	24.86	25.97	27.46	29.62	31.19
10	36.75	34.81	32.68	29.58	26.46	24.46	24.38	24.89	25.97	27.53	29.66	31.26
11	36.70	34.64	32.65	29.38	26.47	24.43	24.31	24.84	26.09	27.62	29.69	31.32
12	36.62	34.61	32.50	29.31	26.28	24.32	24.28	24.80	26.11	27.66	29.72	31.39
13	36.55	34.56	32.29	29.24	26.19	24.24	24.29	24.86	26.07	27.77	29.81	31.46
14	36.47	34.51	32.26	29.11	26.14	24.38	24.35	24.89	26.11	27.90	29.93	31.49
15	36.35	34.45	32.20	29.03	25.93	24.50	24.31	24.87	26.21	27.96	29.97	31.54
16	36.35	34.37	32.17	28.88	25.92	24.54	24.18	24.83	26.25	28.00	30.03	31.55
17	36.32	34.31	32.02	28.55	25.82	24.48	24.12	24.81	26.26	28.08	30.09	31.61
18	36.27	34.25	31.79	28.73	25.78	24.37	24.26	24.84	26.34	28.13	30.13	31.71
19	36.18	34.17	31.76	28.61	25.70	24.42	24.32	24.94	26.38	28.18	30.14	31.72
20	36.12	34.10	31.81	28.49	25.59	24.42	24.29	25.08	26.41	28.30	30.25	31.75
21	36.05	34.03	31.68	28.39	25.42	24.29	24.26	25.13	26.50	28.37	30.30	31.84
22	35.96	33.97	31.59	28.33	25.16	24.19	24.37	25.12	26.57	28.42	30.32	31.89
23	35.86	33.89	31.49	28.38	25.16	24.31	24.43	25.19	26.59	28.48	30.37	31.93
24	35.84	33.81	31.36	27.99	25.12	24.40	24.44	25.25	26.59	28.55	30.42	31.94
25	35.84	33.71	31.01	27.55	25.09	24.22	24.23	25.30	26.67	28.60	30.52	31.94
26	35.76	33.64	31.01	27.88	24.98	24.17	24.27	25.25	26.69	28.69	30.59	31.98
27	35.64	33.60	30.90	27.96	24.86	24.42	24.46	25.27	26.72	28.77	30.63	31.99
28	35.62	33.57	30.83	27.80	24.92	24.15	24.69	25.36	26.79	28.83	30.71	32.09
29	35.59	33.47	30.84	27.71	---	24.07	24.71	25.47	26.93	28.85	30.76	32.15
30	35.49	33.39	30.69	27.48	---	24.22	24.66	25.56	27.02	28.90	30.79	32.14
31	35.39	---	30.46	27.63	---	24.27	---	25.61	---	28.98	30.80	---
<b>Mean</b>	36.34	34.41	32.04	28.91	26.08	24.43	24.30	24.98	26.24	28.00	29.99	31.53
<b>Max</b>	37.11	35.39	33.39	30.40	27.54	24.90	24.71	25.61	27.02	28.98	30.80	32.15
<b>Min</b>	35.39	33.39	30.46	27.48	24.86	24.07	24.00	24.66	25.59	27.09	29.08	30.81

Water Year 2010	
<b>Mean</b>	28.96
<b>High</b>	24.00
<b>Low</b>	37.11

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