

GROUND-WATER LEVELS

TRANSYLVANIA COUNTY

351808082374302. Local number NC-144; County number, TR-065.

LOCATION.--Lat 35°18'08", long 82°37'43", Hydrologic Unit 06010105, at Blantyre, 0.25 mi northwest of U.S. Highway 64 on King Road (Secondary Road 1502). Owner: U.S. Geological Survey.

AQUIFER.--Unconfined saprolite derived from gneiss of Paleozoic age.

WELL CHARACTERISTICS.--Drilled observation well, drilled to 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.

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

DATUM.--Land-surface datum is 2,147.11 ft above sea level. Measuring point: Top of casing, 1.30 ft above land-surface datum.

REMARKS.--In September 1984, well replaced nearby well NC-127. Well is part of terrane-effects network.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 22.20 ft below land-surface datum, Apr. 26, 1993; lowest water level recorded, 39.63 ft below land-surface datum, Dec. 12, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.16	38.38	39.31	39.43	38.59	37.39	35.68	33.95	33.42	34.18	35.19	36.12
2	37.22	38.43	39.35	39.43	38.53	37.35	35.63	33.92	33.45	34.23	35.20	36.16
3	37.27	38.46	39.37	39.38	38.51	37.32	35.55	33.89	33.49	34.26	35.19	36.17
4	37.30	38.49	39.37	39.38	38.45	37.25	35.52	33.82	33.53	34.25	35.24	36.20
5	37.33	38.55	39.39	39.34	38.43	37.24	35.44	33.78	33.54	34.28	35.31	36.24
6	37.38	38.60	39.40	39.37	38.40	37.18	35.37	33.77	33.54	34.34	35.34	36.25
7	37.43	38.63	39.44	39.33	38.38	37.14	35.32	33.75	33.55	34.37	35.35	36.26
8	37.46	38.66	39.48	39.30	38.34	37.07	35.25	33.69	33.55	34.37	35.38	36.29
9	37.49	38.65	39.50	39.32	38.26	37.04	35.18	33.65	33.59	34.39	35.40	36.31
10	37.53	38.76	39.49	39.28	38.29	37.00	35.14	33.63	33.61	34.42	35.44	36.34
11	37.57	38.77	39.49	39.24	38.24	36.95	35.08	33.60	33.63	34.46	35.48	36.36
12	37.61	38.79	39.58	39.25	38.19	36.87	35.01	33.57	33.64	34.50	35.51	36.39
13	37.63	38.82	39.55	39.24	38.15	36.85	34.95	33.57	33.68	34.53	35.52	36.40
14	37.67	38.86	39.57	39.20	38.10	36.81	34.89	33.54	33.72	34.56	35.54	36.42
15	37.70	38.90	39.59	39.19	38.08	36.72	34.79	33.48	33.72	34.60	35.59	36.45
16	37.75	38.90	39.51	39.20	38.03	36.69	34.78	33.47	33.76	34.65	35.62	36.48
17	37.79	38.96	39.50	39.17	38.04	36.66	34.71	33.49	33.79	34.67	35.64	36.50
18	37.83	38.99	39.51	39.15	37.97	36.60	34.67	33.46	33.82	34.69	35.66	36.52
19	37.88	39.01	39.51	39.08	37.91	36.54	34.61	33.44	33.84	34.73	35.68	36.54
20	37.92	39.05	39.55	39.06	37.87	36.44	34.55	33.43	33.85	34.76	35.74	36.56
21	37.95	39.11	39.52	39.02	37.84	36.42	34.50	33.43	33.86	34.78	35.78	36.59
22	38.01	39.11	39.54	38.95	37.77	36.37	34.43	33.42	33.87	34.82	35.81	36.62
23	38.04	39.15	39.52	38.89	37.78	36.29	34.35	33.43	33.93	34.86	35.84	36.63
24	38.05	39.18	39.50	38.86	37.71	36.22	34.30	33.42	33.97	34.90	35.87	36.63
25	38.10	39.15	39.52	38.85	37.60	36.16	34.25	33.43	34.01	34.93	35.92	36.69
26	38.14	39.20	39.47	38.77	37.57	36.12	34.21	33.41	34.05	34.97	35.94	36.69
27	38.18	39.24	39.44	38.77	37.49	36.06	34.15	33.41	34.07	35.02	35.97	36.70
28	38.23	39.27	39.44	38.72	37.44	35.97	34.12	33.43	34.08	35.05	36.01	36.72
29	38.27	39.26	39.43	38.65	---	35.85	34.10	33.43	34.11	35.04	36.04	36.75
30	38.31	39.31	39.45	38.62	---	35.77	34.01	33.45	34.15	35.11	36.06	36.75
31	38.34	---	39.45	38.62	---	35.71	---	33.45	---	35.16	36.09	---

WTR YR 2001 MEAN 36.56 HIGH 33.41 LOW 39.59

TRANSYLVANIA COUNTY--Continued

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