

LAWRENCE COUNTY

410538080280801. Local number, LA 1201.

LOCATION.--Lat 41°05'38", long 80°28'08", Hydrologic Unit 05030102, at State Game Land 150, near Pulaski.

Owner: U.S. Geological Survey.

AQUIFER.--Shale and sandstone of Connoquenessing Formation of Early Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 150 ft, cased to 30 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,040 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1987, are available from the District Office. Well pumping and cleanout on Aug. 19, 2003 caused water levels to be about 1.1 ft higher.

PERIOD OF RECORD.--November 1967 to current year.

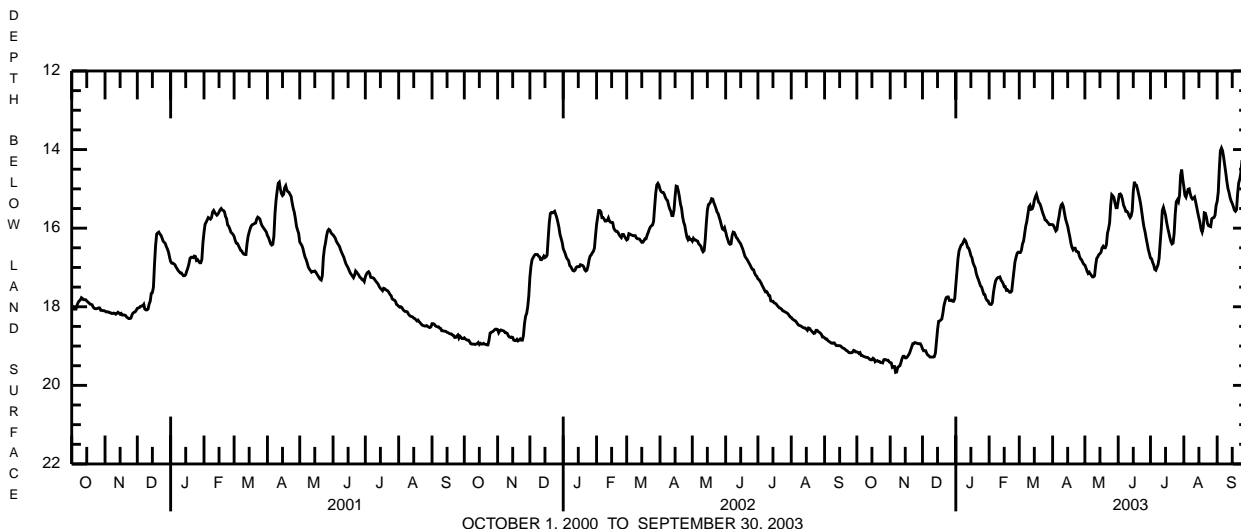
EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 12.25 ft below land-surface datum, May 19, 1978; lowest, 22.94 ft below land-surface datum, Apr. 15, 1986.

EXTREMES FOR CURRENT YEAR.--Highest water level, 13.89 ft below land-surface datum, Sept. 4, 5; lowest, 19.67 ft below land-surface datum, Nov. 6.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.15	19.42	19.07	17.45	17.92	16.62	15.91	16.94	15.31	16.76	14.94	15.32
2	19.16	19.43	19.12	17.12	17.94	16.62	15.94	17.01	15.14	16.78	15.16	15.08
3	19.19	19.54	19.12	16.78	17.94	16.56	16.01	17.09	15.13	16.87	15.21	14.48
4	19.17	19.52	19.12	16.58	17.89	16.40	16.07	17.15	15.17	16.94	15.11	14.03
5	19.24	19.52	19.19	16.50	17.64	16.33	16.04	17.12	15.28	17.05	15.01	13.96
6	19.24	19.67	19.23	16.43	17.47	16.14	15.84	17.16	15.42	17.07	15.00	14.03
7	19.26	19.66	19.25	16.41	17.34	15.95	15.70	17.20	15.48	17.00	15.13	14.19
8	19.27	19.54	19.28	16.35	17.29	15.83	15.52	17.24	15.57	16.93	15.22	14.40
9	19.28	19.52	19.28	16.29	17.26	15.65	15.41	17.24	15.57	16.77	15.26	14.59
10	19.29	19.50	19.28	16.32	17.25	15.46	15.38	17.21	15.60	16.38	15.24	14.81
11	19.29	19.42	19.28	16.39	17.24	15.42	15.45	16.95	15.68	16.02	15.21	14.99
12	19.31	19.32	19.27	16.49	17.32	15.52	15.61	16.77	15.73	15.55	15.33	15.09
13	19.34	19.26	19.18	16.51	17.36	15.51	15.76	16.73	15.69	15.47	15.47	15.22
14	19.35	19.26	18.89	16.59	17.41	15.44	15.86	16.67	15.56	15.57	15.61	15.31
15	19.35	19.30	18.59	16.70	17.49	15.29	15.95	16.65	15.07	15.67	15.74	15.37
16	19.31	19.30	18.37	16.75	17.49	15.20	16.09	16.61	14.82	15.85	15.86	15.45
17	19.33	19.27	18.36	16.88	17.58	15.14	16.22	16.50	14.90	15.99	16.02	15.54
18	19.40	19.23	18.34	16.95	17.57	15.24	16.38	16.46	14.91	16.11	16.10	15.57
19	19.38	19.18	18.31	17.01	17.60	15.34	16.49	16.50	15.01	16.24	15.99	15.53
20	19.37	19.10	18.16	17.15	17.63	15.37	16.55	16.50	15.14	16.34	15.61	15.13
21	19.39	19.02	17.97	17.24	17.63	15.44	16.51	16.42	15.26	16.40	15.62	14.85
22	19.39	18.94	17.86	17.31	17.60	15.54	16.51	16.13	15.41	16.38	15.72	14.75
23	19.42	18.94	17.77	17.39	17.34	15.63	16.59	16.02	15.61	16.13	15.88	14.59
24	19.42	18.91	17.75	17.47	17.10	15.70	16.60	15.86	15.81	15.64	15.94	14.30
25	19.43	18.92	17.75	17.50	16.86	15.79	16.61	15.41	15.98	15.33	15.95	14.30
26	19.35	18.93	17.84	17.59	16.74	15.80	16.72	15.15	16.10	15.28	15.96	14.37
27	19.34	18.94	17.84	17.68	16.64	15.84	16.78	15.18	16.26	15.33	15.76	14.37
28	19.35	18.94	17.83	17.69	16.61	15.87	16.81	15.22	16.40	15.16	15.74	14.34
29	19.36	18.94	17.86	17.79	---	15.91	16.87	15.36	16.55	14.65	15.73	14.41
30	19.36	18.99	17.86	17.84	---	15.91	16.92	15.48	16.65	14.51	15.67	14.49
31	19.40	---	17.79	17.85	---	15.91	---	15.48	---	14.76	15.42	---
MEAN	19.32	19.25	18.54	17.00	17.40	15.75	16.17	16.43	15.54	16.03	15.54	14.76
MAX	19.43	19.67	19.28	17.85	17.94	16.62	16.92	17.24	16.65	17.07	16.10	15.57
MIN	19.15	18.91	17.75	16.29	16.61	15.14	15.38	15.15	14.82	14.51	14.94	13.96



OCTOBER 1, 2000 TO SEPTEMBER 30, 2003