

ARMSTRONG COUNTY

405344079380201. Local number, AR 109.

LOCATION.--Lat 40°53'44", long 79°38'02", Hydrologic Unit 05010009, at State Game Lands No. 259.

Owner: U.S. Geological Survey.

AQUIFER.--Allegheny Formation, Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 152.5 ft, cased to 19 ft.

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

DATUM.--Elevation of land-surface datum is 1,400 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of instrument shelf, 2.00 ft above land-surface datum.

REMARKS.--In addition to the daily mean water level table shown below, daily maximum and minimum water levels are available from the District Office.

Water levels of Oct. 21-25, 2002 affected by well pumping and clean out of Oct. 21, 2002.

PERIOD OF RECORD.--October 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the instantaneous depth below land surface for the period of record indicated above.

Highest water level, 16.26 ft below land-surface datum, Jan. 7, 2004; lowest, 34.64 ft below land-surface datum, Oct. 4, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 16.26 ft below land-surface datum, Jan. 7; lowest, 21.88 ft below land-surface datum, Aug. 15, 16.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.71	20.72	17.80	18.43	21.01	18.66	17.58	16.88	19.47	20.71	20.61	21.16
2	20.80	20.76	18.08	18.23	21.02	17.94	17.32	17.00	19.85	20.76	20.77	21.26
3	20.87	20.77	18.31	17.88	20.79	17.34	17.10	17.44	20.24	20.80	20.88	21.30
4	20.75	20.79	18.33	17.51	21.01	16.90	17.08	17.74	20.47	20.78	20.97	21.34
5	20.93	20.85	18.31	16.63	21.10	16.59	17.38	17.93	20.52	20.86	21.11	21.42
6	21.05	20.99	18.54	16.30	20.28	16.52	17.53	18.29	20.59	21.01	21.26	21.45
7	21.12	21.08	18.80	16.30	19.15	16.54	17.55	18.61	20.71	20.96	21.33	21.42
8	21.21	21.26	19.04	16.40	18.79	16.50	17.67	18.92	20.82	21.00	21.45	21.35
9	21.27	21.40	19.21	16.56	18.35	16.73	17.98	19.02	20.85	21.17	21.52	20.13
10	21.30	21.28	19.22	16.88	18.10	17.04	18.25	19.20	20.83	21.26	21.44	19.14
11	21.35	21.06	18.59	17.02	18.19	17.08	18.45	19.42	20.83	21.28	21.46	18.69
12	21.29	20.82	18.08	17.15	18.27	17.24	18.61	19.61	20.87	21.22	21.55	18.67
13	21.47	20.60	17.89	17.54	18.38	17.74	18.19	19.77	20.89	21.19	21.60	18.88
14	21.28	20.64	17.56	17.77	18.44	17.87	17.26	19.91	20.64	21.10	21.76	19.13
15	20.97	20.57	17.66	17.99	18.73	18.09	16.83	20.06	20.07	21.17	21.84	19.37
16	20.96	20.57	17.80	18.49	19.09	18.14	16.70	20.31	19.49	21.30	21.85	19.56
17	20.92	20.65	17.75	18.68	19.21	18.34	16.71	20.41	19.17	21.39	21.82	19.56
18	20.85	20.60	17.76	18.64	19.30	18.67	16.91	20.27	18.67	21.41	21.75	18.16
19	20.82	20.12	17.86	19.07	19.27	19.05	17.02	20.11	18.13	21.43	21.73	17.27
20	20.95	19.18	18.13	19.50	19.27	18.96	17.26	19.94	18.11	21.52	21.59	17.13
21	20.74	18.49	18.38	19.72	19.19	18.07	17.37	19.73	18.20	21.57	20.52	17.30
22	20.85	18.19	18.42	19.71	19.29	17.48	17.74	18.90	18.35	21.53	19.54	17.61
23	21.01	18.12	18.41	19.98	19.08	17.24	17.91	17.85	18.73	21.59	19.19	17.94
24	21.31	18.02	18.17	20.08	18.81	17.22	17.98	17.49	19.01	21.78	19.27	18.26
25	21.43	18.27	17.99	20.37	18.88	17.30	17.85	17.66	19.32	21.81	19.48	18.56
26	21.38	18.29	18.07	20.32	18.91	17.35	17.40	17.82	19.58	21.47	19.70	18.93
27	21.12	18.38	18.20	20.24	18.94	17.38	16.71	18.06	19.93	20.70	19.91	19.24
28	20.72	18.16	18.23	20.41	19.03	17.50	16.64	18.33	20.19	20.42	20.11	19.47
29	20.49	17.93	18.20	20.55	18.93	17.54	16.70	18.82	20.44	20.34	20.34	19.86
30	20.65	17.79	18.27	20.53	---	17.58	16.78	19.06	20.62	20.31	20.64	20.22
31	20.67	---	18.39	20.75	---	17.64	---	19.13	---	20.40	20.96	---
MEAN	21.01	19.88	18.24	18.57	19.27	17.56	17.42	18.83	19.85	21.10	20.90	19.46
MAX	21.47	21.40	19.22	20.75	21.10	19.05	18.61	20.41	20.89	21.81	21.85	21.45
MIN	20.49	17.79	17.56	16.30	18.10	16.50	16.64	16.88	18.11	20.31	19.19	17.13

