

WESTMORELAND COUNTY

402138079031802. Local number, WE 300.

LOCATION.--Lat 40°21'38", long 79°03'18", Hydrologic Unit 05010007, at State Game Land Number 42.
 Owner: U.S. Geological Survey.

AQUIFER.--Shale of Clarion Formation of Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 110 ft, cased to 22 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval since Sept. 19, 2001. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,270 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal cover, 3.02 ft above land-surface datum. Prior to Sept. 19, 2001, top of plywood cover, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--February 1968 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, 13.00 ft below land-surface datum, May 23, 24, 2002; lowest, 29.22 ft below land-surface datum, July 3, 1968.

EXTREMES FOR CURRENT YEAR.--Highest water level, 13.48 ft below land-surface datum, June 8; lowest, 18.44 ft below land-surface datum, Oct. 14.

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	18.30	18.24	17.46	16.64	16.81	15.97	15.07	15.16	14.33	14.97	15.78	15.08
2	18.30	18.22	17.42	16.48	16.92	15.72	14.96	15.30	14.39	14.98	15.84	14.73
3	18.31	18.22	17.60	16.35	16.93	15.89	14.89	15.46	14.30	15.12	15.85	14.59
4	18.30	18.30	17.53	16.35	16.94	15.77	14.75	15.59	14.02	15.28	15.82	14.30
5	18.36	18.30	17.26	16.32	17.19	15.53	14.95	15.54	13.91	15.36	15.72	14.40
6	18.36	18.26	17.35	16.31	17.21	15.69	15.08	15.56	13.91	15.47	15.57	14.43
7	18.39	18.30	17.33	16.33	16.93	15.70	14.93	15.62	13.77	15.57	15.48	14.43
8	18.40	18.27	17.53	15.83	16.91	15.56	14.64	15.76	13.62	15.67	15.39	14.54
9	18.40	18.23	17.53	15.96	16.77	15.36	14.44	15.76	13.66	15.66	15.36	14.70
10	18.41	18.17	17.38	16.32	16.64	15.46	14.33	15.74	13.72	15.66	15.26	14.76
11	18.39	18.19	17.35	16.56	16.58	15.42	14.09	15.63	13.62	15.52	15.09	14.81
12	18.39	18.20	17.50	16.69	16.65	15.27	14.07	15.49	13.67	15.49	15.00	14.85
13	18.43	18.16	17.43	16.53	16.70	15.36	14.29	15.53	13.66	15.51	15.02	14.93
14	18.44	18.10	17.31	16.42	16.76	15.45	14.32	15.52	13.71	15.42	14.96	15.01
15	18.39	18.05	17.32	16.56	16.88	15.26	14.17	15.45	13.78	15.29	14.83	15.14
16	18.34	18.02	17.39	16.56	16.88	15.11	13.98	15.39	13.91	15.34	14.61	15.30
17	18.37	17.94	17.42	16.47	16.65	14.94	14.19	15.40	13.94	15.41	14.76	15.40
18	18.39	18.02	17.32	16.48	16.70	15.03	14.39	15.32	13.86	15.35	14.95	15.39
19	18.36	17.93	17.09	16.36	16.70	15.17	14.43	15.26	13.84	15.46	15.02	15.55
20	18.34	17.87	16.66	16.52	16.79	15.16	14.39	15.19	13.93	15.49	15.06	15.68
21	18.35	17.73	16.83	16.64	16.63	14.88	14.23	15.10	13.92	15.43	15.08	15.66
22	18.34	17.62	16.90	16.68	16.29	14.97	14.42	15.00	13.94	15.51	15.16	15.52
23	18.35	17.63	16.94	16.71	16.45	15.01	14.64	14.79	14.00	15.55	15.35	15.48
24	18.35	17.58	16.93	16.94	16.46	15.03	14.69	14.50	14.13	15.65	15.43	15.54
25	18.33	17.56	16.72	16.89	16.56	14.94	14.59	14.37	14.21	15.70	15.44	15.41
26	18.28	17.55	17.09	16.87	16.39	14.94	14.72	14.29	14.24	15.63	15.47	15.40
27	18.31	17.46	17.08	17.05	16.10	15.03	14.95	14.27	14.52	15.47	15.52	15.28
28	18.31	17.43	16.90	16.90	15.97	15.02	15.01	14.15	14.66	15.49	15.55	15.31
29	18.29	17.30	16.90	16.99	---	15.05	15.10	13.97	14.81	15.64	15.41	15.47
30	18.24	17.34	16.87	17.02	---	15.05	15.19	13.98	14.95	15.72	15.33	15.48
31	18.25	---	16.70	16.96	---	15.07	---	13.96	---	15.75	15.33	---
MEAN	18.35	17.94	17.19	16.57	16.69	15.28	14.60	15.10	14.03	15.47	15.30	15.09
MAX	18.44	18.30	17.60	17.05	17.21	15.97	15.19	15.76	14.95	15.75	15.85	15.68
MIN	18.24	17.30	16.66	15.83	15.97	14.88	13.98	13.96	13.62	14.97	14.61	14.30

