

NORTHUMBERLAND COUNTY

404239076362001. Local number, NU 567.

LOCATION--Lat 40°42'39", long 76°36'20", Hydrologic Unit 02050301, at 0.3 mi southwest of intersection T371 and T488, 1.2 mi east of Leck Kill.

Owner: U.S. Department of Agriculture.

AQUIFER--Catskill Formation, Late Devonian age.

WELL CHARACTERISTICS--Drilled observation well, diameter 6 in., depth 156 ft, cased to 23.5 ft.

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

DATUM--Elevation of land surface is 946.47 ft above National Geodetic Vertical Datum of 1929, from survey. Measuring point: Top of metal shelf, 3.25 ft above land-surface datum.

REMARKS--In addition to the daily mean water level table shown below, daily minimum and maximum water levels since Mar. 20, 2001 are also available from the USGS Pennsylvania Water Science Center. Data from January 1, 1995 to March 16, 2001 collected by Agricultural Research Service (ARS). Well is part of the ground-water monitoring network within the ARS experimental watershed WE-38.

PERIOD OF RECORD--January 1995 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, 12.41 ft below land-surface datum, Apr. 3, 2005; lowest, 32.65 ft below land-surface datum, Dec. 11, 12, 2001.

EXTREMES FOR CURRENT YEAR--Highest water level, 12.41 ft below land-surface datum, Apr. 3; lowest, 31.04 ft below land-surface datum, Sept. 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.69	21.35	16.11	16.68	18.02	14.96	13.82	16.37	21.95	24.58	25.83	28.90
2	21.52	21.23	15.13	17.13	18.28	15.18	13.43	16.69	22.10	24.78	25.85	28.98
3	21.31	21.25	15.22	17.12	18.28	15.38	12.61	17.04	22.13	25.02	25.92	29.06
4	21.12	21.05	15.86	17.14	18.40	15.48	13.10	17.49	22.14	25.15	26.05	29.17
5	21.34	20.92	16.46	17.07	18.61	15.49	13.49	17.85	22.25	25.18	26.19	29.29
6	21.39	20.93	16.95	15.26	18.80	15.42	13.65	17.87	22.32	25.24	26.37	29.36
7	21.39	20.90	16.98	14.36	18.73	15.14	13.78	17.75	22.32	25.37	26.50	29.38
8	21.35	21.12	17.23	14.28	18.61	14.27	14.12	17.91	22.36	25.28	26.63	29.37
9	21.27	21.32	17.50	14.11	18.55	13.98	14.47	18.23	22.49	25.10	26.72	29.43
10	21.33	21.36	16.43	14.17	18.37	13.92	14.62	18.52	22.58	25.10	26.76	29.55
11	21.46	21.22	15.19	14.39	18.44	13.92	14.85	18.73	22.63	25.09	26.84	29.65
12	21.44	21.14	14.90	14.61	18.27	14.11	14.99	19.19	22.67	25.11	26.97	29.67
13	21.47	21.00	15.07	14.72	18.39	14.51	15.12	19.56	22.63	25.14	27.07	29.70
14	21.54	21.02	15.77	13.72	18.14	14.73	15.40	19.40	22.63	25.22	27.18	29.77
15	21.60	20.84	---	13.71	17.12	14.90	15.82	18.99	22.69	25.33	27.38	29.87
16	21.78	20.69	---	13.85	16.50	14.98	16.08	19.32	22.79	25.45	27.53	29.95
17	22.10	20.65	16.64	14.07	16.30	15.02	16.03	19.65	22.97	25.43	27.62	30.02
18	22.40	20.59	16.82	14.48	16.16	15.18	16.11	19.83	23.20	25.30	27.77	30.13
19	22.29	20.62	16.80	14.54	16.13	15.38	16.26	19.95	23.44	25.20	27.90	30.23
20	22.08	20.67	17.25	14.76	16.05	15.40	16.36	20.01	23.57	25.22	27.96	30.25
21	21.98	20.82	17.57	15.17	15.73	15.57	16.66	20.12	23.52	25.20	27.98	30.34
22	21.96	20.87	17.92	15.21	15.90	15.82	16.87	20.17	23.55	25.22	28.06	30.39
23	21.87	20.87	17.07	15.51	15.92	15.62	16.38	20.22	23.79	25.33	28.21	30.48
24	21.74	20.68	14.94	15.85	15.75	15.10	15.52	20.43	23.89	25.40	28.36	30.63
25	21.81	19.70	14.73	15.92	15.52	14.56	15.37	20.68	23.98	25.35	28.50	30.70
26	21.91	19.41	14.77	16.09	15.46	14.28	15.54	20.76	24.12	25.39	28.55	30.69
27	21.98	19.46	15.27	16.98	15.50	14.21	15.62	20.96	24.28	25.43	28.58	30.78
28	22.06	18.06	15.62	17.55	15.16	13.89	15.90	21.16	24.35	25.61	28.65	30.87
29	21.97	16.98	15.71	17.47	---	13.01	16.10	21.35	24.43	25.66	28.76	30.89
30	21.56	17.07	16.15	17.32	---	13.43	16.11	21.54	24.54	25.74	28.80	31.00
31	21.24	---	16.36	17.72	---	13.66	---	21.73	---	25.80	28.73	---
MEAN	21.68	20.46	16.15	15.51	17.18	14.73	15.14	19.34	23.08	25.27	27.43	29.95
MAX	22.40	21.36	17.92	17.72	18.80	15.82	16.87	21.73	24.54	25.80	28.80	31.00
MIN	21.12	16.98	14.73	13.71	15.16	13.01	12.61	16.37	21.95	24.58	25.83	28.90

