

GROUND-WATER LEVELS

GRAVES COUNTY

365210088391301. (Viola well), map number 1.

LOCATION.--Lat 36°52'10", long 88°39'13", Hydrologic Unit 08010201, County Code 083, Hickory quadrangle, in a cultivated field, 200 ft east of a private road, 1.2 mi northwest of Viola. Owner: J. Whittemore.

AQUIFER.--Sand of Claiborne Group of Eocene age. Aquifer code: 124 CLBR.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in., depth 105 ft, cased to 85 ft, screened 85-105 ft.

INSTRUMENTATION.--Continuous water level recorder with telemetry, 60 minute interval.

DATUM.--Elevation of land-surface datum is 405.65 ft above NGVD of 1929. Measuring point: Floor of shelter, 4.03 ft above land-surface datum.

PERIOD OF RECORD.--February 1951 to September 1984 and October 1988 to current year.

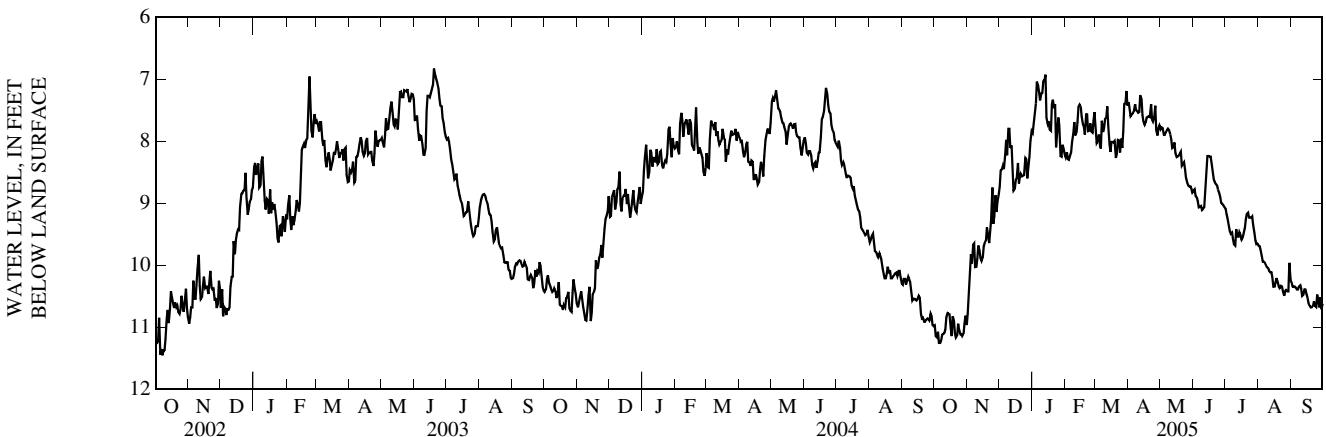
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.79 ft below land-surface datum, June 19, 2003; lowest measured, 19.24 ft below land-surface datum, Jan. 10, 1975.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.97	10.77	8.73	7.86	8.26	7.84	7.37	7.81	8.80	9.09	e9.68	10.27
2	11.14	10.51	8.47	7.71	8.18	8.03	7.48	7.78	8.78	9.18	9.69	10.34
3	11.16	10.10	8.45	7.52	8.29	8.00	7.60	7.79	8.88	e9.25	e9.75	10.35
4	11.07	9.82	8.40	7.39	8.30	7.89	7.57	7.90	8.91	9.36	e9.85	10.34
5	11.25	9.97	e8.45	7.04	8.23	8.06	7.55	7.90	8.97	9.45	e9.94	10.36
6	11.25	9.67	e8.22	7.11	8.18	8.12	7.52	7.86	9.07	9.49	9.94	10.39
7	11.21	9.65	7.98	7.21	8.01	7.67	7.40	7.82	9.06	9.47	9.96	10.39
8	11.12	10.03	8.23	7.34	7.87	7.85	7.50	7.80	9.05	e9.58	9.99	10.34
9	11.11	10.02	7.80	7.23	7.69	7.79	7.51	7.82	9.11	e9.66	e10.03	10.32
10	11.09	9.89	7.80	7.22	7.91	7.65	7.54	7.89	9.09	9.68	e10.05	10.38
11	11.04	9.68	8.11	7.04	7.86	7.62	7.53	7.97	9.07	9.42	e10.09	10.49
12	10.84	9.77	8.07	7.01	7.69	7.44	7.26	8.11	8.84	9.53	10.11	10.47
13	10.77	9.89	8.43	6.93	7.45	7.75	7.31	8.09	8.49	9.54	10.11	10.39
14	10.78	9.93	8.80	7.62	7.41	8.04	7.58	8.02	8.24	9.47	10.20	10.39
15	10.79	9.87	8.77	7.72	7.44	8.17	7.68	8.19	8.24	9.51	10.34	10.47
16	11.02	9.70	8.63	7.68	7.60	8.01	7.74	8.26	8.25	9.59	10.34	10.53
17	11.14	9.64	8.60	7.81	7.73	8.01	7.70	8.25	8.25	9.56	10.27	10.61
18	10.82	9.60	8.35	7.83	7.77	8.02	7.62	8.24	8.35	9.49	10.21	10.65
19	10.90	9.39	8.68	7.40	7.89	8.00	7.61	8.20	8.51	e9.40	10.28	10.68
20	11.10	9.49	8.57	7.33	7.57	8.27	7.60	8.17	8.62	9.26	10.34	10.68
21	11.17	9.64	8.52	7.47	7.57	8.20	7.61	8.40	8.66	e9.17	e10.37	10.65
22	11.13	9.47	8.57	7.41	7.84	7.98	7.40	8.37	e8.69	9.15	10.33	10.58
23	10.94	9.27	8.56	8.10	7.83	7.99	7.65	8.34	8.71	e9.23	10.34	10.65
24	11.04	8.75	8.55	7.84	7.71	8.18	7.68	8.45	8.78	e9.23	10.42	10.67
25	11.11	9.33	8.27	7.62	7.84	7.96	7.61	8.59	e8.84	e9.24	10.49	10.47
26	11.11	9.21	8.29	7.74	7.86	8.11	7.43	8.67	8.90	9.22	10.42	10.56
27	11.14	8.87	8.60	8.24	7.67	7.84	7.82	8.71	8.99	9.35	10.40	10.68
28	11.10	9.14	8.38	8.25	7.53	7.40	7.91	8.73	9.01	9.48	10.42	10.51
29	10.93	8.97	8.24	8.06	---	7.38	7.79	8.73	9.03	9.60	10.42	10.71
30	10.81	e8.85	7.99	8.13	---	7.19	7.75	8.77	e9.06	9.66	9.96	10.62
31	10.96	---	7.83	8.21	---	7.43	---	8.83	---	e9.65	10.24	---
MAX	11.25	10.77	8.80	8.25	8.30	8.27	7.91	8.83	9.11	9.68	10.49	10.71
MIN	10.77	8.75	7.80	6.93	7.41	7.19	7.26	7.78	8.24	9.09	9.68	10.27

e Estimated

WTR YR 2005 HIGH 6.93 LOW 11.25



FLEMING COUNTY

381524083341601 (UF37), map number 1.

LOCATION.--Lat 38°15'24", long 83°34'16", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, near the southeast corner of the Maxey Flats Site, 10 ft. north of perimeter road. Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 19.9 ft., screened interval: 17.9-19.9 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1045.72 ft. above NGVD of 1929. Measuring point: Top of casing, 2.86 ft. above land surface-datum.

REMARKS.--Maxey Flats Project monitoring well.

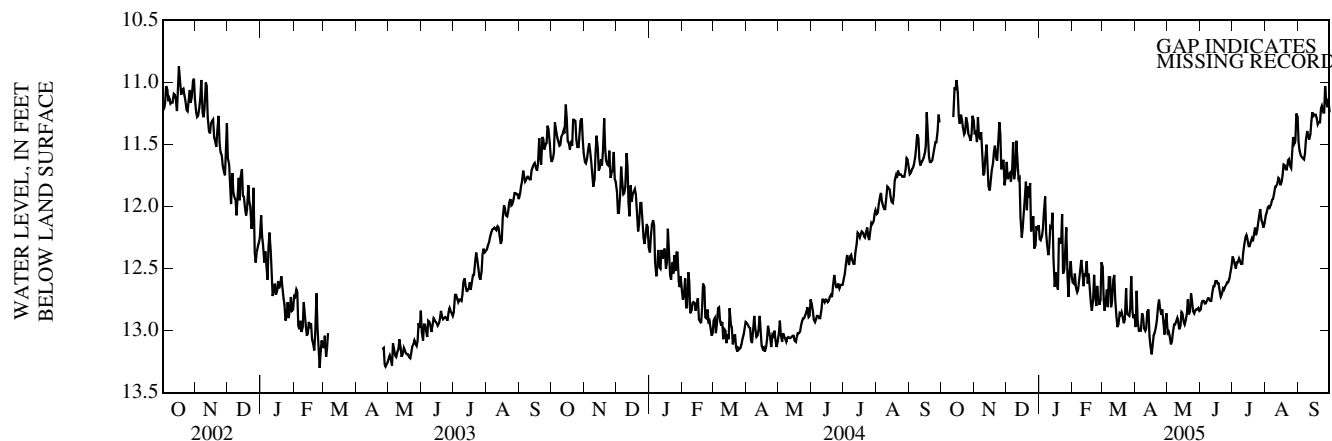
PERIOD OF RECORD.--1985 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft. below land-surface datum, Nov. 03, 1998; lowest measured, 19.11 ft. below land-surface datum, Apr. 22, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.42	11.64	12.26	12.61	12.49	12.97	13.02	12.83	12.40	12.08	11.48
2	---	11.39	11.78	12.27	12.62	12.75	12.68	13.01	12.78	12.43	12.05	11.55
3	---	11.48	11.74	12.24	12.54	12.84	12.92	13.04	12.76	12.46	12.01	11.59
4	---	11.28	11.73	12.18	12.65	12.74	13.00	13.11	12.76	12.50	12.00	11.60
5	---	11.43	11.80	12.05	12.69	12.67	13.00	13.09	12.78	12.45	12.01	11.61
6	---	11.46	11.70	11.92	12.67	12.81	13.00	13.02	12.78	12.45	11.99	11.62
7	---	11.40	11.48	12.21	12.59	12.57	12.86	12.95	12.76	12.42	11.95	11.57
8	---	11.57	11.78	12.30	12.50	12.57	12.89	12.95	12.74	12.44	11.94	11.46
9	---	11.75	11.70	12.39	12.43	12.81	12.98	12.93	12.74	12.46	11.90	11.39
10	---	11.73	11.47	12.32	12.51	12.76	13.00	12.90	12.76	12.46	11.84	11.43
11	---	11.61	11.60	12.16	12.64	12.59	12.98	12.93	12.76	12.37	11.84	11.46
12	11.28	11.50	11.78	12.17	12.54	12.55	12.85	12.99	12.70	12.31	11.82	11.42
13	11.04	11.67	11.77	12.05	12.56	12.75	12.83	12.96	12.64	12.25	11.77	11.31
14	11.06	11.84	12.09	12.42	12.44	12.89	13.04	12.85	12.64	12.23	11.78	11.24
15	10.98	11.87	12.25	12.65	12.62	12.97	13.12	12.86	12.60	12.26	11.83	11.27
16	11.08	11.79	12.17	12.53	12.54	12.95	13.19	12.93	12.60	12.32	11.80	11.26
17	11.27	11.71	12.06	12.61	12.68	12.86	13.11	12.95	12.62	12.32	11.75	11.26
18	11.33	11.65	11.91	12.67	12.78	12.87	13.04	12.92	12.62	12.29	11.66	11.29
19	11.26	11.56	11.80	12.26	12.84	12.85	13.01	12.86	12.69	12.26	11.67	11.34
20	11.30	11.51	12.03	12.26	12.75	12.90	12.97	12.75	12.73	12.28	11.70	11.32
21	11.36	11.61	11.84	12.30	12.55	12.94	12.92	12.87	12.71	12.23	11.70	11.32
22	11.42	11.63	11.93	12.06	12.70	12.91	12.80	12.85	12.66	12.17	11.63	11.21
23	11.40	11.50	11.81	12.54	12.80	12.66	12.75	12.70	12.67	12.23	11.62	11.19
24	11.28	11.32	12.20	12.51	12.64	12.86	12.82	12.76	12.65	12.20	11.67	11.24
25	11.33	11.42	12.13	12.32	12.75	12.87	12.87	12.84	12.63	12.13	11.69	11.24
26	11.41	11.70	12.08	12.17	12.79	12.88	12.83	12.86	12.61	12.07	11.57	11.03
27	11.43	11.63	12.34	12.57	12.75	12.81	12.91	12.84	12.61	12.02	11.44	11.17
28	11.47	11.63	12.31	12.73	12.45	12.56	13.03	12.83	12.58	12.11	11.49	11.20
29	11.42	11.83	12.16	12.54	---	12.85	12.93	12.83	12.53	12.13	11.47	11.13
30	11.27	11.76	12.19	12.44	---	12.90	12.86	12.82	12.49	12.17	11.25	11.24
31	11.31	---	12.15	12.56	---	12.87	---	12.84	---	12.13	11.28	---
MAX	---	11.87	12.34	12.73	12.84	12.97	13.19	13.11	12.83	12.50	12.08	11.62
MIN	---	11.28	11.47	11.92	12.43	12.49	12.68	12.70	12.49	12.02	11.25	11.03

WTR YR 2005 HIGH 10.98 LOW 13.19



GROUND-WATER LEVELS

FLEMING COUNTY

381532083342501 (UF45), map number 2.

LOCATION.--Lat 38°15'32" , long 83°34'25" , Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, near the southwest corner of the Maxey Flats Site, 2 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 18.9 ft., screened interval: 16.9-18.9 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1052.81 ft. above NGVD of 1929. Measuring point: Top of casing, 3.20 ft. above land-surface datum..

REMARKS.--Maxey Flats Project monitoring well.

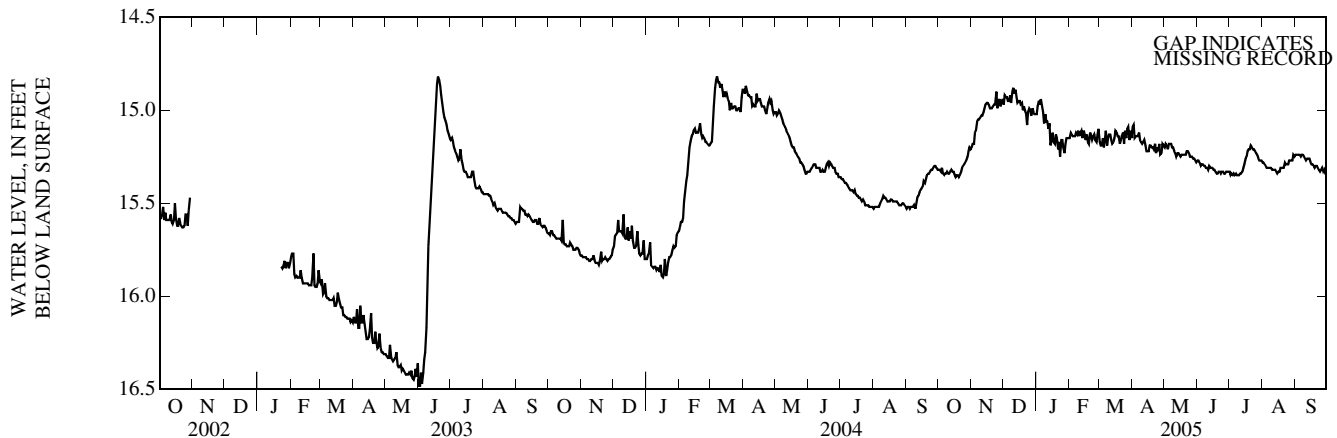
PERIOD OF RECORD.--1985 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.15 ft. below land-surface datum, Apr. 08, 2000; lowest measured, 18.70 ft. below land-surface datum, Apr. 12, 1988.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.32	15.20	14.97	15.02	15.15	15.17	15.09	15.20	15.27	15.33	15.28	15.24
2	15.32	15.18	14.92	14.98	15.12	15.19	15.08	15.18	15.27	15.35	15.28	15.24
3	15.33	15.18	14.93	14.95	15.13	15.19	15.15	15.19	15.28	15.34	15.29	15.24
4	15.31	15.12	14.93	14.97	15.14	15.15	15.14	15.21	15.30	15.35	15.30	15.24
5	15.34	15.11	14.95	14.94	15.14	15.20	15.14	15.18	15.29	15.34	15.31	15.24
6	15.35	15.06	14.95	14.98	15.14	15.16	15.14	15.18	15.29	15.35	15.31	15.25
7	15.34	15.05	14.92	15.01	15.12	15.11	15.12	15.18	15.30	15.34	15.31	15.24
8	15.34	15.05	14.96	15.07	15.13	15.19	15.16	15.20	15.30	15.35	15.31	15.24
9	15.33	15.04	14.90	15.02	15.11	15.15	15.17	15.20	15.31	15.35	15.31	15.25
10	15.34	15.03	14.88	15.06	15.14	15.13	15.18	15.22	15.31	15.35	15.32	15.26
11	15.34	15.03	14.91	15.06	15.12	15.13	15.17	15.23	15.32	15.34	15.32	15.27
12	15.33	15.01	14.89	15.10	15.11	15.16	15.16	15.25	15.30	15.34	15.32	15.26
13	15.32	14.99	14.93	15.07	15.15	15.18	15.19	15.23	15.31	15.33	15.32	15.26
14	15.33	14.97	14.96	15.19	15.11	15.17	15.22	15.23	15.31	15.31	15.33	15.26
15	15.33	14.96	14.95	15.16	15.13	15.15	15.22	15.24	15.31	15.29	15.34	15.28
16	15.35	14.96	14.95	15.12	15.16	15.11	15.22	15.25	15.32	15.26	15.33	15.29
17	15.36	14.97	14.97	15.17	15.13	15.12	15.19	15.24	15.32	15.25	15.33	15.29
18	15.35	14.99	14.96	15.18	15.17	15.14	15.19	15.24	15.33	15.22	15.31	15.30
19	15.35	14.99	15.00	15.13	15.18	15.14	15.20	15.24	15.34	15.21	15.31	15.31
20	15.36	14.99	14.98	15.15	15.12	15.18	15.20	15.24	15.34	15.21	15.31	15.30
21	15.35	14.98	15.00	15.21	15.14	15.16	15.21	15.24	15.33	15.19	15.31	15.30
22	15.33	14.97	15.02	15.17	15.16	15.14	15.18	15.22	15.33	15.20	15.28	15.31
23	15.31	14.97	15.08	15.25	15.14	15.12	15.23	15.22	15.34	15.21	15.29	15.32
24	15.30	14.90	15.01	15.16	15.13	15.18	15.20	15.23	15.33	15.21	15.29	15.33
25	15.29	14.99	14.99	15.16	15.16	15.11	15.22	15.25	15.33	15.22	15.29	15.32
26	15.28	14.96	15.00	15.20	15.17	15.15	15.18	15.25	15.34	15.23	15.27	15.31
27	15.27	14.94	15.03	15.23	15.13	15.10	15.24	15.25	15.34	15.24	15.27	15.33
28	15.25	14.98	14.99	15.18	15.10	15.09	15.23	15.26	15.33	15.26	15.27	15.32
29	15.22	14.96	15.01	15.15	---	15.16	15.18	15.26	15.33	15.27	15.27	15.34
30	15.20	14.94	15.02	15.15	---	15.11	15.19	15.27	15.33	15.27	15.24	15.34
31	15.21	---	15.02	15.15	---	15.15	---	15.28	---	15.27	15.25	---
MAX	15.36	15.20	15.08	15.25	15.18	15.20	15.24	15.28	15.34	15.35	15.34	15.34
MIN	15.20	14.90	14.88	14.94	15.10	15.09	15.08	15.18	15.27	15.19	15.24	15.24

WTR YR 2005 HIGH 14.88 LOW 15.36



FLEMING COUNTY

381537083342201. (ESI01), map number 3.

LOCATION.--Lat 38°15'37", long 83°34'22", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 22.1ft., screened interval: 11.7-16.7 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1050.46 ft. above NGVD of 1929. Measuring point: Top of casing, 2.27 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

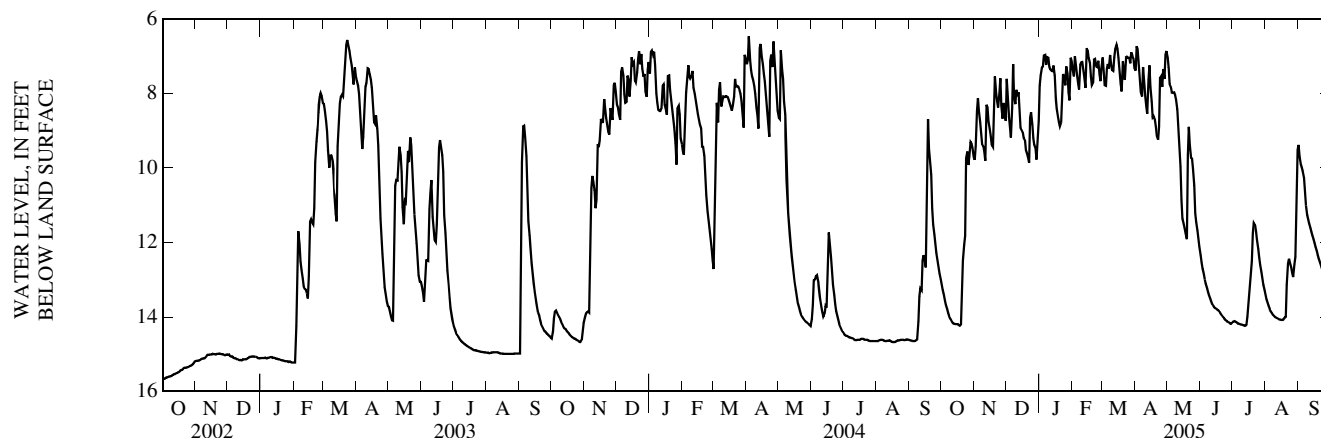
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.46 ft. below land-surface datum, Apr. 03, 2004; lowest measured, 15.83 ft. below land-surface datum, Sep.14-17, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.14	9.78	7.61	7.78	7.36	7.03	7.38	7.03	12.34	14.14	13.42	9.38
2	13.28	9.42	8.07	7.51	7.54	7.39	6.73	7.31	12.54	14.12	13.54	9.68
3	13.43	8.47	8.61	7.30	7.00	7.78	6.82	7.74	12.70	14.11	13.64	9.90
4	13.56	8.12	8.92	7.27	7.21	7.80	7.32	7.82	12.85	14.13	13.72	9.99
5	13.68	8.47	9.18	6.98	7.52	7.32	7.67	7.97	13.00	14.15	13.79	10.09
6	13.80	8.77	8.38	6.96	7.72	7.20	7.97	7.98	13.12	14.17	13.85	10.26
7	13.90	9.06	7.21	7.23	7.89	7.33	8.08	7.97	13.23	14.18	13.90	10.61
8	13.98	9.35	8.14	7.02	7.22	6.96	7.29	8.04	13.33	14.19	13.94	11.00
9	14.04	9.41	8.29	7.04	7.16	7.20	7.68	8.16	13.42	14.20	13.97	11.27
10	14.09	9.57	7.90	7.28	7.15	7.37	8.09	8.42	13.51	14.21	14.00	11.38
11	14.14	9.81	8.07	7.35	7.42	7.39	8.34	8.86	13.59	14.22	14.02	11.49
12	14.17	8.30	7.97	7.38	7.60	7.03	8.54	9.34	13.66	14.23	14.04	11.61
13	14.18	8.38	8.49	7.39	7.85	6.81	7.62	9.96	13.70	14.23	14.05	11.72
14	14.19	8.75	8.91	7.25	6.78	6.70	7.25	10.86	13.74	14.21	14.06	11.81
15	14.19	8.96	8.98	7.51	6.83	6.80	7.82	11.36	13.77	13.99	14.07	11.92
16	14.19	9.14	9.03	8.06	7.05	7.03	8.21	11.50	13.79	13.57	14.08	12.02
17	14.22	9.37	9.19	8.39	7.18	7.44	8.65	11.62	13.81	13.21	14.08	12.12
18	14.23	9.43	9.25	8.62	7.54	7.74	8.61	11.76	13.83	12.91	14.07	12.23
19	14.20	8.48	9.52	8.76	7.78	7.94	8.71	11.91	13.87	12.50	14.02	12.34
20	13.12	7.54	9.60	8.88	7.71	7.13	8.89	9.65	13.92	11.76	14.00	12.44
21	12.48	8.00	9.70	8.78	7.09	7.40	9.14	8.90	13.96	11.47	13.13	12.54
22	12.06	8.21	9.86	8.13	7.07	7.63	9.24	9.37	14.00	11.53	12.56	12.62
23	11.82	8.37	8.65	7.48	7.27	7.03	8.89	9.72	14.03	11.70	12.44	12.70
24	9.73	7.99	8.50	7.58	7.29	7.01	7.59	9.75	14.07	11.93	12.55	12.79
25	9.56	7.59	8.83	7.78	7.12	7.04	7.54	10.01	14.10	12.17	12.67	12.86
26	9.92	8.31	9.20	7.27	7.49	7.04	7.82	10.47	14.12	12.40	12.82	12.91
27	9.70	8.67	9.38	7.46	7.67	7.19	7.34	11.21	14.14	12.60	12.93	12.98
28	9.30	8.25	9.47	7.96	7.30	6.89	7.61	11.45	14.16	12.80	12.58	13.04
29	9.34	8.49	9.77	8.18	---	6.99	6.96	11.68	14.18	12.98	12.39	13.10
30	9.46	8.73	9.32	7.04	---	7.05	6.86	11.90	14.18	13.14	10.83	13.16
31	9.71	---	8.74	7.14	---	7.31	---	12.12	---	13.29	9.51	---
MAX	14.23	9.81	9.86	8.88	7.89	7.94	9.24	12.12	14.18	14.23	14.08	13.16
MIN	9.30	7.54	7.21	6.96	6.78	6.70	6.73	7.03	12.34	11.47	9.51	9.38

WTR 2005 HIGH 6.70 LOW 14.53



GROUND-WATER LEVELS

FLEMING COUNTY

381538083342002. (UE2) , map number 4.

LOCATION.--Lat 38°15'38", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 15.7 ft., screened interval: 13.7-15.7 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1049.86 ft. above NGVD of 1929. Measuring point: Top of casing, 2.81 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

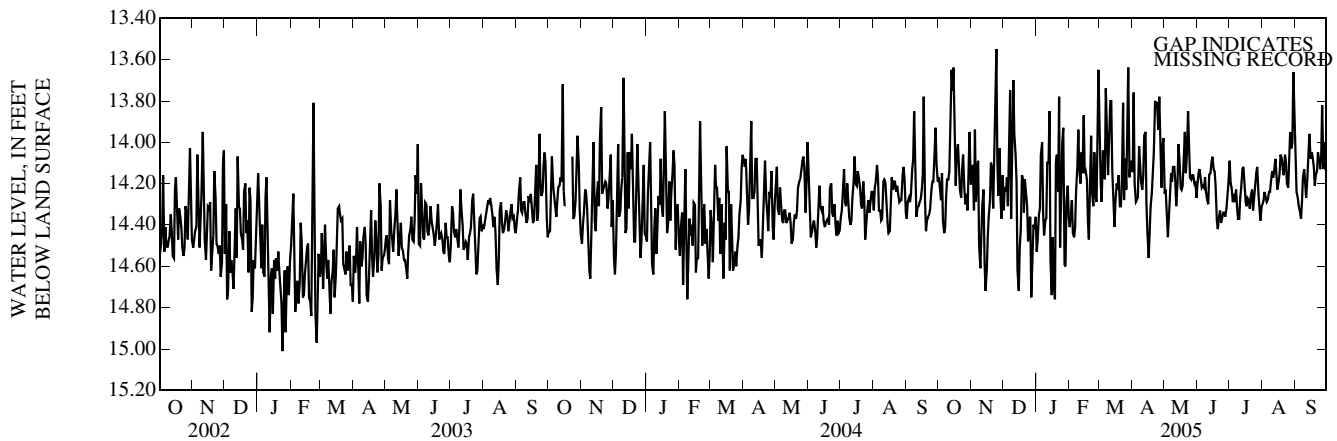
PERIOD OF RECORD.--1984 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.48 ft. below land-surface datum, Aug. 08, 1984; lowest measured, 15.37 ft. below land-surface datum, Apr. 12, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.17	14.20	14.33	14.53	14.41	13.89	14.14	14.25	14.19	14.09	14.30	14.13
2	14.21	14.11	14.22	14.47	14.34	14.20	13.76	14.23	14.15	14.20	14.28	14.24
3	14.28	14.33	14.24	14.35	14.28	14.29	14.20	14.31	14.13	14.22	14.24	14.27
4	14.15	13.94	14.17	14.32	14.44	14.04	14.29	14.46	14.18	14.29	14.27	14.31
5	14.38	14.29	14.31	14.06	14.46	14.10	14.28	14.38	14.22	14.25	14.29	14.33
6	14.44	14.12	14.10	14.00	14.41	14.18	14.27	14.28	14.21	14.29	14.28	14.37
7	14.41	14.09	13.75	14.34	14.24	13.74	14.02	14.15	14.22	14.23	14.24	14.29
8	14.26	14.50	14.37	14.45	14.12	13.98	14.10	14.19	14.17	14.31	14.24	14.17
9	14.18	14.61	13.95	14.38	13.94	14.16	14.19	14.12	14.24	14.37	14.19	14.13
10	14.18	14.46	13.70	14.37	14.13	14.01	14.23	14.12	14.28	14.37	14.14	14.20
11	14.14	14.30	13.96	14.10	14.20	13.80	14.16	14.19	14.30	14.27	14.17	14.27
12	13.92	14.23	14.06	14.10	14.05	13.80	13.97	14.31	14.16	14.22	14.14	14.17
13	13.65	14.58	14.19	13.85	14.15	14.13	13.95	14.20	14.15	14.13	14.08	14.06
14	13.75	14.72	14.62	14.57	13.87	14.31	14.30	14.01	14.10	14.12	14.15	13.96
15	13.64	14.62	14.72	14.74	14.15	14.41	14.44	14.08	14.07	14.20	14.23	14.08
16	13.87	14.46	14.51	14.46	14.14	14.29	14.56	14.22	14.13	14.29	14.19	14.05
17	14.21	14.36	14.43	14.67	14.18	14.20	14.42	14.23	14.14	14.31	14.15	14.07
18	14.05	14.28	14.16	14.76	14.38	14.23	14.31	14.21	14.21	14.27	14.06	14.12
19	14.01	14.10	14.18	14.10	14.47	14.16	14.24	14.07	14.38	14.28	14.08	14.21
20	14.13	14.12	14.34	14.06	14.18	14.31	14.15	13.95	14.42	14.32	14.13	14.16
21	14.23	14.32	14.18	14.24	13.97	14.31	14.05	14.15	14.37	14.26	14.16	14.14
22	14.27	14.16	14.26	13.78	14.24	14.20	13.80	14.07	14.33	14.23	14.06	14.05
23	14.13	13.95	14.31	14.51	14.31	13.81	13.81	13.85	14.39	14.33	14.10	14.08
24	14.06	13.55	14.48	14.19	14.05	14.28	13.81	14.01	14.37	14.28	14.20	14.13
25	14.23	14.09	14.37	14.00	14.25	14.08	13.94	14.17	14.34	14.21	14.22	14.07
26	14.30	14.26	14.36	13.93	14.29	14.23	13.78	14.18	14.34	14.15	14.07	13.82
27	14.25	14.03	14.75	14.59	14.11	14.00	14.04	14.16	14.36	14.12	13.95	14.13
28	14.33	14.28	14.52	14.60	13.65	13.64	14.22	14.16	14.32	14.25	14.03	14.00
29	14.14	14.37	14.40	14.29	---	14.17	14.02	14.20	14.26	14.31	14.00	14.13
30	13.95	14.16	14.42	14.21	---	14.09	13.98	14.19	14.20	14.38	13.66	14.14
31	14.20	---	14.36	14.36	---	14.14	---	14.27	---	14.31	13.96	---
MAX	14.44	14.72	14.75	14.76	14.47	14.41	14.56	14.46	14.42	14.38	14.30	14.37
MIN	13.64	13.55	13.70	13.78	13.65	13.64	13.76	13.85	14.07	14.09	13.66	13.82

WTR YR 2005 HIGH 13.55 LOW 14.76



FLEMING COUNTY

381538083342004 (ESI12), map number 5.

LOCATION.--Lat 38°15'38", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 38.9ft., screened interval: 25.5-34.3 ft.

INSTRUMENTATION.--Continous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1049.42 ft. above NGVD of 1929. Measuring point: Top of casing, 2.68 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

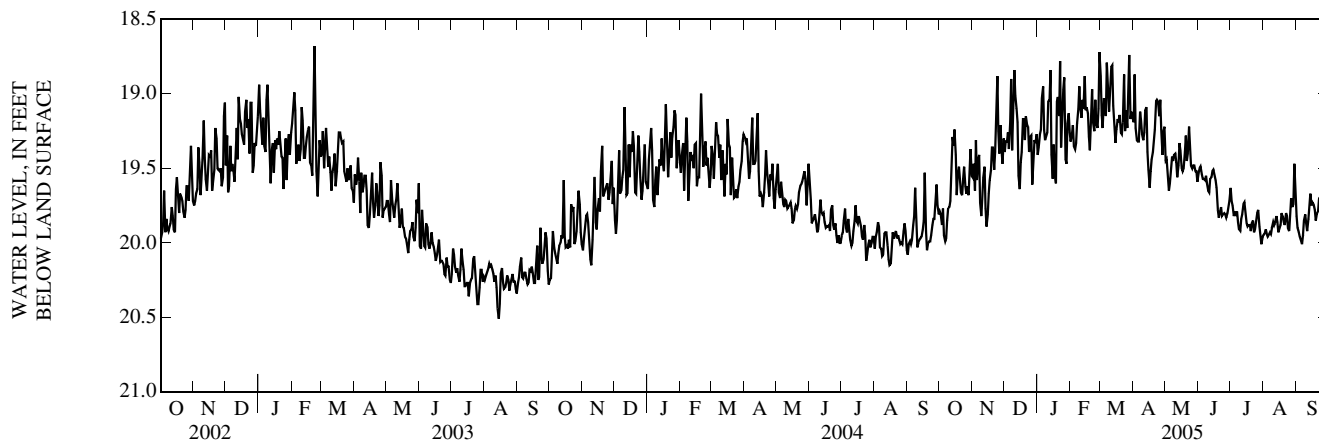
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.68 ft. below land-surface datum, Feb. 22, 2003; lowest measured, 22.57 ft. below land-surface datum, Aug. 01, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.79	19.56	19.39	19.41	19.32	18.88	19.19	19.45	19.53	19.63	19.95	19.82
2	19.81	19.47	19.32	19.36	19.27	19.14	18.87	19.44	19.50	19.72	19.94	19.90
3	19.88	19.65	19.32	19.27	19.21	19.23	19.23	19.52	19.49	19.75	19.91	19.93
4	19.77	19.31	19.26	19.24	19.35	19.03	19.31	19.65	19.54	19.82	19.94	19.96
5	19.95	19.58	19.37	19.03	19.37	19.06	19.32	19.60	19.57	19.79	19.96	19.98
6	19.99	19.44	19.19	18.95	19.33	19.15	19.32	19.52	19.57	19.82	19.95	20.01
7	19.97	19.41	18.90	19.24	19.20	18.79	19.12	19.42	19.58	19.79	19.93	19.95
8	19.85	19.73	19.38	19.31	19.10	18.95	19.18	19.45	19.55	19.86	19.94	19.85
9	19.77	19.82	19.06	19.28	18.95	19.12	19.27	19.41	19.60	19.91	19.90	19.81
10	19.76	19.70	18.84	19.26	19.09	19.00	19.31	19.40	19.65	19.92	19.86	19.87
11	19.72	19.56	19.01	19.05	19.16	18.82	19.26	19.46	19.66	19.84	19.88	19.92
12	19.53	19.49	19.10	19.04	19.04	18.81	19.11	19.56	19.57	19.81	19.86	19.84
13	19.29	19.77	19.19	18.84	19.10	19.08	19.09	19.48	19.56	19.74	19.82	19.75
14	19.35	19.89	19.55	19.41	18.88	19.24	19.39	19.33	19.52	19.73	19.86	19.67
15	19.24	19.81	19.64	19.57	19.11	19.33	19.51	19.38	19.51	19.79	19.93	19.75
16	19.41	19.67	19.46	19.34	19.09	19.24	19.63	19.50	19.55	19.87	19.90	19.73
17	19.68	19.58	19.39	19.53	19.13	19.17	19.52	19.52	19.58	19.89	19.88	19.74
18	19.55	19.51	19.17	19.60	19.29	19.19	19.44	19.50	19.63	19.88	19.80	19.78
19	19.49	19.36	19.17	19.05	19.38	19.14	19.39	19.39	19.78	19.88	19.82	19.85
20	19.58	19.36	19.31	19.02	19.15	19.26	19.32	19.28	19.83	19.92	19.86	19.81
21	19.66	19.51	19.15	19.15	18.97	19.27	19.24	19.45	19.80	19.87	19.88	19.79
22	19.68	19.39	19.21	18.78	19.19	19.19	19.05	19.40	19.76	19.85	19.80	19.71
23	19.57	19.21	19.22	19.36	19.25	18.87	19.04	19.22	19.82	19.93	19.82	19.72
24	19.49	18.88	19.39	19.13	19.04	19.25	19.05	19.34	19.81	19.91	19.90	19.76
25	19.62	19.25	19.29	18.97	19.20	19.11	19.15	19.48	19.80	19.85	19.92	19.71
26	19.67	19.40	19.28	18.89	19.23	19.23	19.04	19.50	19.81	19.80	19.80	19.50
27	19.62	19.21	19.61	19.44	19.10	19.05	19.24	19.48	19.83	19.78	19.70	19.74
28	19.68	19.38	19.42	19.47	18.72	18.74	19.41	19.48	19.80	19.89	19.76	19.64
29	19.53	19.47	19.31	19.20	---	19.17	19.25	19.52	19.76	19.95	19.74	19.72
30	19.37	19.30	19.33	19.13	---	19.12	19.22	19.52	19.72	20.01	19.47	19.74
31	19.55	---	19.27	19.26	---	19.15	---	19.59	---	19.96	19.67	---
MAX	19.99	19.89	19.64	19.60	19.38	19.33	19.63	19.65	19.83	20.01	19.96	20.01
MIN	19.24	18.88	18.84	18.78	18.72	18.74	18.87	19.22	19.49	19.63	19.47	19.50

WTR YR 2005 HIGH 18.72 LOW 20.01



GROUND-WATER LEVELS

FLEMING COUNTY

381538083342005 (ESI19), map number 6.

LOCATION.--Lat 38°15'38", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 19.5 ft., screened interval: 13.5-18.9 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1049.73 ft. above NGVD of 1929. Measuring point: Top of casing, 2.38 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

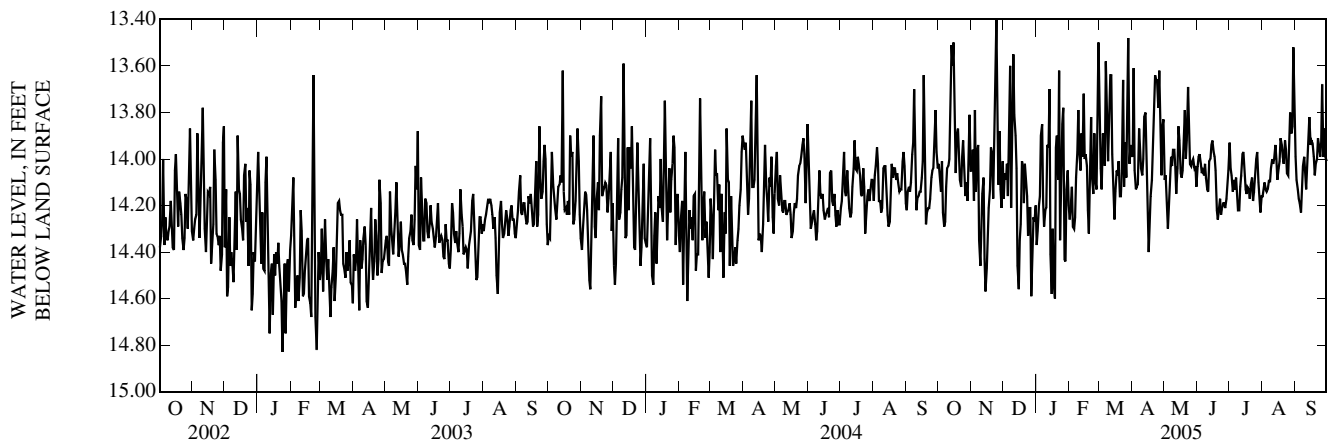
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.40 ft. below land-surface datum, Nov. 24, 2004; lowest measured, 15.45 ft. below land-surface, Mar. 18, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	14.05	14.17	14.37	14.26	13.73	13.99	14.09	14.03	13.93	14.16	13.99
2	14.07	13.96	14.06	14.31	14.19	14.04	13.61	14.07	13.99	14.04	14.13	14.09
3	14.14	14.18	14.09	14.20	14.12	14.13	14.05	14.16	13.98	14.07	14.10	14.13
4	14.01	13.79	14.02	14.16	14.29	13.89	14.13	14.30	14.02	14.14	14.13	14.17
5	14.23	14.14	14.16	13.90	14.30	13.94	14.12	14.22	14.06	14.09	14.14	14.19
6	14.29	13.97	13.95	13.85	14.25	14.03	14.11	14.12	14.05	14.13	14.13	14.23
7	14.27	13.94	13.60	14.18	14.08	13.58	13.87	13.99	14.07	14.08	14.09	14.15
8	14.12	14.35	14.21	14.29	13.97	13.83	13.95	14.03	14.02	14.16	14.10	14.03
9	14.04	14.46	13.79	14.22	13.79	14.01	14.04	13.96	14.08	14.22	14.04	13.99
10	14.03	14.31	13.55	14.21	13.97	13.86	14.07	13.96	14.13	14.22	14.00	14.06
11	14.00	14.15	13.81	13.94	14.05	13.64	14.00	14.03	14.14	14.12	14.02	14.13
12	13.77	14.08	13.90	13.95	13.89	13.64	13.82	14.15	14.01	14.07	14.00	14.03
13	13.51	14.43	14.04	13.70	13.99	13.98	13.80	14.04	14.00	13.98	13.94	13.92
14	13.60	14.57	14.46	14.41	13.72	14.16	14.14	13.86	13.94	13.97	14.00	13.82
15	13.50	14.47	14.56	14.58	14.00	14.26	14.28	13.92	13.92	14.05	14.09	13.94
16	13.72	14.31	14.35	14.30	13.98	14.14	14.40	14.06	13.97	14.13	14.04	13.92
17	14.06	14.21	14.28	14.52	14.03	14.05	14.26	14.08	13.99	14.15	14.01	13.93
18	13.90	14.13	14.01	14.60	14.22	14.07	14.16	14.05	14.05	14.12	13.91	13.99
19	13.87	13.95	14.03	13.95	14.32	14.01	14.09	13.91	14.22	14.13	13.94	14.07
20	13.98	13.97	14.19	13.90	14.03	14.16	14.00	13.79	14.26	14.17	13.99	14.02
21	14.09	14.17	14.02	14.09	13.82	14.16	13.89	14.00	14.22	14.11	14.02	14.00
22	14.12	14.01	14.10	13.62	14.08	14.05	13.64	13.92	14.17	14.08	13.92	13.91
23	13.99	13.80	14.16	14.35	14.15	13.66	13.66	13.69	14.24	14.18	13.96	13.94
24	13.92	13.40	14.33	14.04	13.89	14.12	13.66	13.85	14.21	14.14	14.06	13.99
25	14.08	13.94	14.21	13.85	14.09	13.93	13.78	14.02	14.19	14.06	14.07	13.93
26	14.16	14.11	14.21	13.78	14.13	14.08	13.62	14.03	14.19	14.00	13.93	13.68
27	14.10	13.88	14.59	14.43	13.96	13.85	13.88	14.01	14.21	13.97	13.80	13.99
28	14.18	14.13	14.36	14.44	13.50	13.48	14.07	14.00	14.17	14.10	13.89	13.87
29	13.99	14.21	14.25	14.13	---	14.02	13.86	14.04	14.11	14.16	13.86	13.99
30	13.81	14.01	14.27	14.05	---	13.94	13.83	14.03	14.05	14.23	13.52	14.01
31	14.05	---	14.20	14.20	---	13.98	---	14.12	---	14.16	13.82	---
MAX	14.29	14.57	14.59	14.60	14.32	14.26	14.40	14.30	14.26	14.23	14.16	14.23
MIN	13.50	13.40	13.55	13.62	13.50	13.48	13.61	13.69	13.92	13.93	13.52	13.68

WTR YR 2005 HIGH 13.40 LOW 14.60



FLEMING COUNTY

381539083341901 (UE11), map number 7.

LOCATION.--Lat 38°15'39", long 83°34'19", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 1.5 in., depth 17.3 ft., screened interval: 15.3-17.3 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1050.36 ft. above NGVD of 1929. Measuring point: Top of casing, 3.10 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

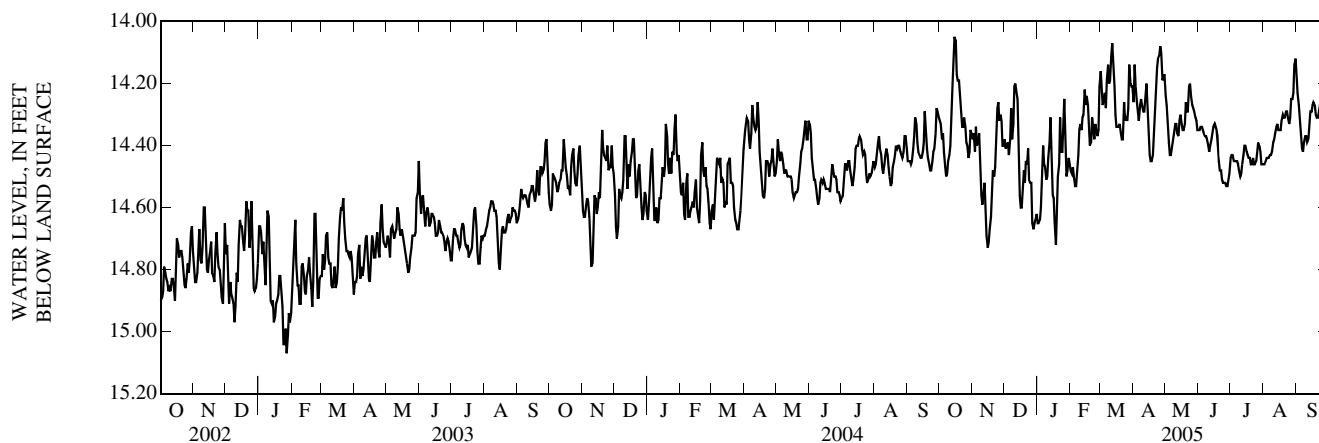
PERIOD OF RECORD.--1984 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.96 ft. below land-surface datum, Dec. 18, 1990; lowest measured, 16.37 ft. below land-surface datum, Aug. 23, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.32	14.38	14.38	14.65	14.48	14.16	14.26	14.24	14.35	14.44	14.46	14.18
2	14.33	14.36	14.41	14.65	14.49	14.22	14.14	14.27	14.35	14.43	14.46	14.23
3	14.38	14.42	14.40	14.64	14.47	14.27	14.21	14.32	14.34	14.43	14.45	14.27
4	14.36	14.34	14.39	14.60	14.50	14.25	14.26	14.39	14.34	14.45	14.44	14.32
5	14.42	14.40	14.43	14.51	14.53	14.23	14.29	14.43	14.35	14.45	14.44	14.36
6	14.47	14.39	14.38	14.40	14.53	14.28	14.32	14.43	14.36	14.45	14.44	14.41
7	14.50	14.36	14.28	14.46	14.49	14.19	14.27	14.40	14.37	14.45	14.43	14.42
8	14.49	14.46	14.38	14.47	14.43	14.14	14.25	14.38	14.37	14.46	14.43	14.39
9	14.45	14.56	14.33	14.51	14.35	14.20	14.27	14.36	14.38	14.48	14.42	14.37
10	14.43	14.59	14.21	14.50	14.33	14.19	14.29	14.33	14.40	14.50	14.39	14.37
11	14.40	14.56	14.20	14.44	14.35	14.11	14.29	14.33	14.42	14.49	14.38	14.39
12	14.33	14.52	14.23	14.39	14.31	14.07	14.25	14.36	14.40	14.46	14.36	14.38
13	14.20	14.59	14.25	14.31	14.30	14.13	14.20	14.37	14.38	14.43	14.34	14.34
14	14.14	14.69	14.42	14.42	14.22	14.21	14.26	14.32	14.36	14.40	14.33	14.29
15	14.05	14.73	14.56	14.56	14.27	14.30	14.34	14.30	14.34	14.40	14.35	14.29
16	14.06	14.71	14.60	14.57	14.24	14.34	14.43	14.33	14.33	14.42	14.35	14.27
17	14.17	14.67	14.60	14.65	14.27	14.34	14.45	14.35	14.34	14.43	14.35	14.26
18	14.19	14.63	14.54	14.72	14.33	14.34	14.45	14.35	14.35	14.44	14.32	14.27
19	14.19	14.55	14.48	14.58	14.40	14.33	14.43	14.33	14.40	14.44	14.30	14.30
20	14.23	14.48	14.52	14.50	14.39	14.36	14.39	14.26	14.45	14.46	14.31	14.31
21	14.28	14.50	14.45	14.46	14.31	14.38	14.34	14.29	14.48	14.46	14.31	14.31
22	14.34	14.47	14.46	14.31	14.34	14.38	14.25	14.29	14.48	14.44	14.29	14.29
23	14.34	14.39	14.41	14.42	14.38	14.26	14.15	14.21	14.51	14.46	14.29	14.27
24	14.31	14.28	14.51	14.42	14.33	14.32	14.12	14.20	14.52	14.46	14.31	14.28
25	14.34	14.26	14.52	14.35	14.35	14.31	14.11	14.24	14.52	14.45	14.33	14.28
26	14.39	14.32	14.52	14.25	14.37	14.32	14.08	14.27	14.52	14.42	14.31	14.20
27	14.40	14.30	14.65	14.39	14.35	14.28	14.10	14.28	14.53	14.39	14.25	14.24
28	14.44	14.32	14.67	14.50	14.21	14.14	14.19	14.29	14.53	14.40	14.25	14.23
29	14.42	14.40	14.65	14.48	---	14.20	14.18	14.31	14.51	14.42	14.23	14.23
30	14.35	14.40	14.64	14.44	---	14.21	14.17	14.32	14.49	14.46	14.14	14.25
31	14.36	---	14.62	14.46	---	14.21	---	14.35	---	14.46	14.12	---
MAX	14.50	14.73	14.67	14.72	14.53	14.38	14.45	14.43	14.53	14.50	14.46	14.42
MIN	14.05	14.26	14.20	14.25	14.21	14.07	14.08	14.20	14.33	14.39	14.12	14.18

WTR YR 2005 HIGH 14.05 LOW 14.73



GROUND-WATER LEVELS

FLEMING COUNTY

381539083341902 (UK1), map number 8.

LOCATION.--Lat 38°15'39", long 83°34'19", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 50 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 12.7 ft., screened interval: 10.7-12.7 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1046.15 ft. above NGVD of 1929. Measuring point: Top of casing, 2.98 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

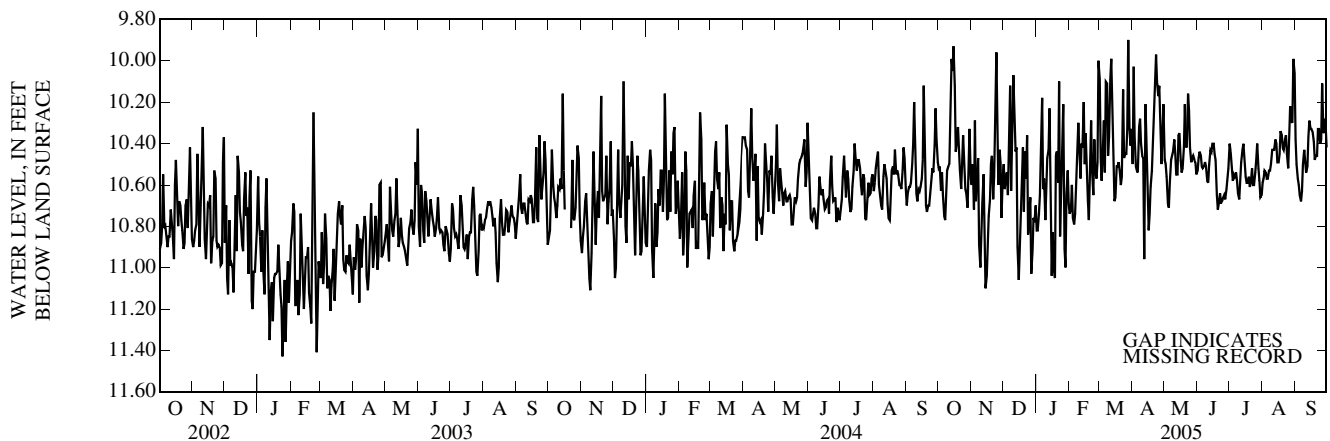
PERIOD OF RECORD.--1986 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.30 ft. below land-surface datum, Oct. 05, 1995; lowest measured, 12.52 ft. below land-surface datum, Jul. 07, 1988.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.52	10.60	10.50	10.82	10.74	10.09	10.50	10.48	10.53	10.40	10.59	10.38
2	10.51	10.50	10.62	10.82	10.72	10.47	10.03	10.50	10.47	10.44	10.57	10.50
3	10.63	10.72	10.56	10.74	10.60	10.58	10.37	10.56	10.44	10.50	10.53	10.57
4	10.54	10.29	10.54	10.65	10.76	10.41	10.51	10.69	10.46	10.58	10.54	10.60
5	10.65	10.68	10.65	10.44	10.79	10.29	10.53	10.71	10.51	10.55	10.57	10.65
6	10.75	10.52	10.44	10.18	10.74	10.54	10.54	10.59	10.52	10.56	10.57	10.68
7	10.77	10.47	10.12	10.62	10.60	10.10	10.32	10.48	10.51	10.54	10.53	10.63
8	10.65	10.89	10.63	10.57	10.44	10.11	10.28	10.46	10.49	10.58	10.53	10.50
9	10.53	11.00	10.34	10.77	10.30	10.46	10.40	10.44	10.51	10.64	10.50	10.43
10	10.51	10.87	10.07	10.64	10.40	10.37	10.46	10.38	10.58	10.67	10.43	10.48
11	10.50	10.69	10.20	10.47	10.57	10.09	10.47	10.45	10.59	10.57	10.43	10.54
12	10.30	10.55	10.44	10.43	10.40	9.99	10.96	10.55	10.50	10.49	10.43	10.51
13	9.99	10.91	10.42	10.23	10.42	10.34	10.21	10.55	10.43	10.43	10.38	10.37
14	10.05	11.10	10.90	10.73	10.20	10.55	10.50	10.36	10.44	10.40	10.40	10.29
15	9.93	11.04	11.06	11.04	10.50	10.68	10.66	10.35	10.40	10.46	10.49	10.33
16	10.12	10.86	10.92	10.83	10.35	10.66	10.82	10.48	10.40	10.56	10.49	10.33
17	10.44	10.75	10.81	10.99	10.52	10.51	10.74	10.54	10.45	10.59	10.45	10.34
18	10.40	10.67	10.56	11.05	10.68	10.51	10.61	10.52	10.48	10.59	10.34	10.39
19	10.32	10.50	10.42	10.46	10.77	10.49	10.53	10.42	10.65	10.56	10.36	10.48
20	10.42	10.46	10.73	10.44	10.58	10.54	10.45	10.21	10.72	10.61	10.42	10.46
21	10.53	10.67	10.44	10.59	10.29	10.60	10.34	10.41	10.69	10.59	10.43	10.46
22	10.62	10.56	10.57	10.10	10.53	10.56	10.14	10.42	10.64	10.52	10.38	10.33
23	10.51	10.34	10.36	10.85	10.65	10.14	9.97	10.16	10.69	10.60	10.36	10.33
24	10.36	9.96	10.84	10.59	10.38	10.47	10.10	10.24	10.68	10.60	10.45	10.40
25	10.51	10.25	10.74	10.38	10.53	10.45	10.17	10.42	10.66	10.54	10.52	10.38
26	10.62	10.60	10.66	10.21	10.57	10.45	10.12	10.49	10.65	10.48	10.39	10.11
27	10.64	10.43	11.03	10.91	10.49	10.33	10.24	10.47	10.67	10.40	10.22	10.35
28	10.71	10.49	10.92	11.00	10.00	9.90	10.50	10.46	10.62	10.52	10.29	10.34
29	10.53	10.76	10.76	10.65	---	10.33	10.35	10.48	10.57	10.58	10.30	10.28
30	10.33	10.56	10.78	10.53	---	10.41	10.21	10.49	10.52	10.66	9.99	10.42
31	10.57	---	10.70	10.69	---	10.33	---	10.55	---	10.65	10.06	---
MAX	10.77	11.10	11.06	11.05	10.79	10.68	10.96	10.71	10.72	10.67	10.59	10.68
MIN	9.93	9.96	10.07	10.10	10.00	9.90	9.97	10.16	10.40	10.40	9.99	10.11

WTR YR 2005 HIGH 9.90 LOW 11.10



FLEMING COUNTY

381539083342001 (ESI02), map number 9.

LOCATION.--Lat 38°15'39", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 25 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 14.7 ft., screened interval: 9.0-14.3 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1047.36 ft. above NGVD of 1929. Measuring point: Top of casing, 3.08 ft. above land-surface datum

REMARKS.--Maxey Flats Project monitoring well.

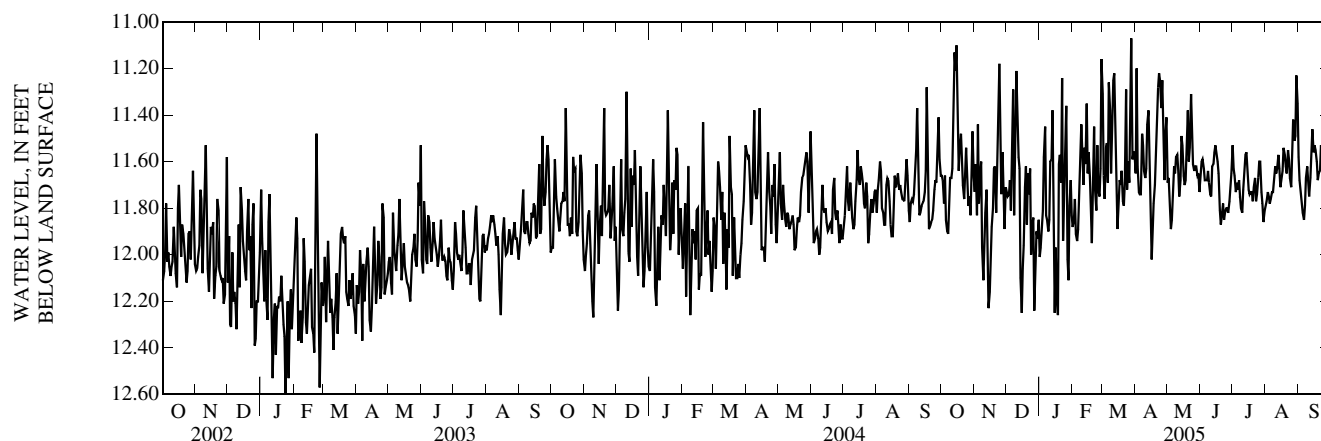
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.07 ft. below land-surface datum, Mar. 28, 2005; lowest measured, 13.12 ft. below land-surface datum, Mar. 18, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.66	11.73	11.73	12.01	11.88	11.31	11.65	11.69	11.66	11.53	11.79	11.58
2	11.68	11.61	11.75	11.97	11.85	11.66	11.20	11.67	11.60	11.63	11.77	11.68
3	11.78	11.83	11.74	11.87	11.76	11.76	11.62	11.75	11.59	11.66	11.73	11.74
4	11.66	11.44	11.68	11.81	11.91	11.54	11.73	11.89	11.63	11.73	11.75	11.78
5	11.85	11.78	11.81	11.58	11.94	11.52	11.74	11.85	11.68	11.69	11.78	11.82
6	11.90	11.65	11.60	11.45	11.89	11.69	11.74	11.74	11.68	11.72	11.76	11.85
7	11.91	11.60	11.29	11.83	11.74	11.26	11.48	11.62	11.68	11.68	11.73	11.79
8	11.77	11.97	11.83	11.85	11.60	11.38	11.53	11.65	11.64	11.75	11.73	11.67
9	11.67	12.11	11.52	11.90	11.44	11.65	11.64	11.58	11.69	11.80	11.68	11.62
10	11.67	11.99	11.21	11.85	11.58	11.52	11.67	11.57	11.74	11.82	11.62	11.69
11	11.63	11.82	11.41	11.60	11.70	11.25	11.63	11.64	11.75	11.72	11.65	11.75
12	11.44	11.72	11.58	11.59	11.54	11.22	11.44	11.75	11.62	11.66	11.63	11.67
13	11.13	12.05	11.63	11.38	11.61	11.57	11.38	11.68	11.61	11.57	11.57	11.56
14	11.21	12.23	12.10	12.00	11.35	11.77	11.72	11.49	11.56	11.56	11.63	11.46
15	11.10	12.16	12.25	12.25	11.65	11.89	11.87	11.53	11.53	11.64	11.71	11.56
16	11.31	11.99	12.06	11.97	11.56	11.80	12.02	11.66	11.57	11.72	11.67	11.53
17	11.64	11.88	11.96	12.18	11.67	11.68	11.89	11.70	11.60	11.74	11.64	11.55
18	11.54	11.80	11.71	12.26	11.84	11.70	11.78	11.68	11.65	11.73	11.54	11.60
19	11.48	11.63	11.62	11.61	11.95	11.64	11.70	11.54	11.81	11.73	11.57	11.68
20	11.60	11.62	11.87	11.57	11.73	11.77	11.61	11.38	11.87	11.77	11.62	11.65
21	11.70	11.82	11.65	11.69	11.45	11.79	11.50	11.60	11.83	11.71	11.65	11.64
22	11.76	11.69	11.74	11.24	11.72	11.69	11.28	11.54	11.78	11.67	11.55	11.53
23	11.64	11.48	11.63	11.94	11.81	11.29	11.22	11.31	11.85	11.77	11.59	11.56
24	11.54	11.18	12.00	11.76	11.53	11.72	11.25	11.45	11.82	11.74	11.67	11.61
25	11.70	11.46	11.87	11.52	11.72	11.60	11.37	11.61	11.80	11.67	11.71	11.57
26	11.79	11.74	11.84	11.36	11.75	11.69	11.25	11.64	11.80	11.60	11.56	11.31
27	11.75	11.56	12.24	12.02	11.63	11.48	11.45	11.62	11.82	11.60	11.42	11.58
28	11.83	11.70	12.06	12.11	11.16	11.07	11.68	11.62	11.77	11.73	11.51	11.51
29	11.65	11.89	11.90	11.79	---	11.59	11.48	11.66	11.71	11.78	11.49	11.56
30	11.47	11.71	11.93	11.68	---	11.56	11.41	11.65	11.65	11.86	11.23	11.62
31	11.67	---	11.85	11.83	---	11.56	---	11.73	---	11.81	11.35	---
MAX	11.91	12.23	12.25	12.26	11.95	11.89	12.02	11.89	11.87	11.86	11.79	11.85
MIN	11.10	11.18	11.21	11.24	11.16	11.07	11.20	11.31	11.53	11.53	11.23	11.31

WTR YR 2005 HIGH 11.07 LOW 12.26



GROUND-WATER LEVELS

FLEMING COUNTY

381540083341801 (UF1), map number 10.

LOCATION.--Lat 38°15'40", long 83°34'18", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 18.5 ft., screened interval: 16.5-18.5 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1050.24 ft. above NGVD of 1929. Measuring point: Top of casing, 3.01 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

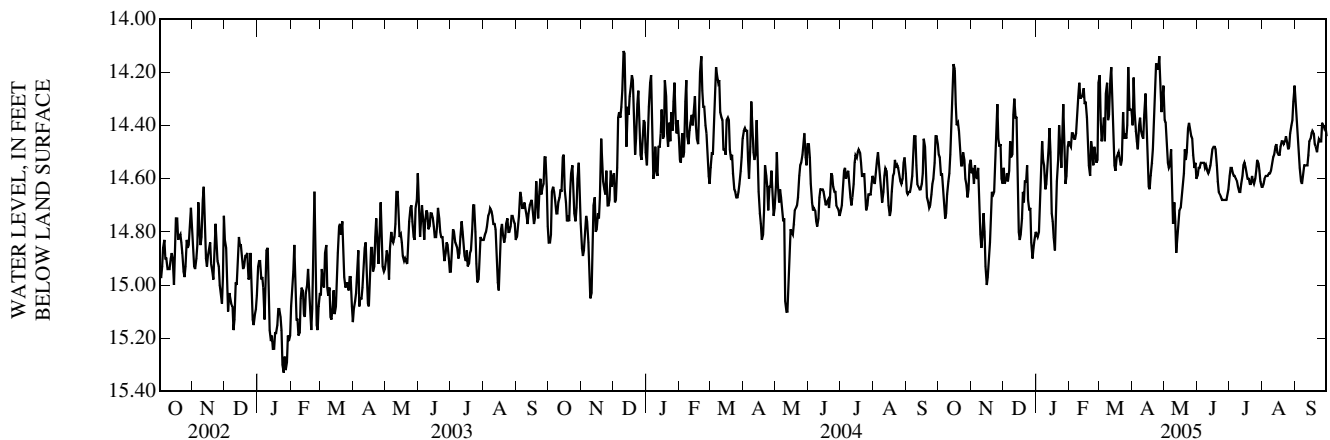
PERIOD OF RECORD.--1985 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.78 ft. below land-surface datum, Dec. 04, 1986; lowest measured, 16.93 ft. below land-surface datum, Apr. 19, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.51	14.58	14.56	14.81	14.47	14.21	14.40	14.38	14.59	14.59	14.63	14.31
2	14.52	14.56	14.62	14.82	14.48	14.38	14.22	14.39	14.56	14.56	14.62	14.38
3	14.59	14.62	14.60	14.80	14.43	14.46	14.35	14.45	14.56	14.56	14.60	14.45
4	14.58	14.55	14.58	14.73	14.43	14.42	14.42	14.54	14.54	14.58	14.59	14.51
5	14.63	14.59	14.61	14.63	14.45	14.37	14.46	14.56	14.54	14.59	14.59	14.56
6	14.70	14.60	14.57	14.46	14.45	14.46	14.49	14.55	14.54	14.59	14.59	14.61
7	14.75	14.56	14.46	14.53	14.43	14.28	14.40	14.49	14.54	14.60	14.58	14.62
8	14.73	14.66	14.52	14.55	14.36	14.24	14.37	14.63	14.56	14.61	14.58	14.59
9	14.66	14.81	14.51	14.64	14.29	14.38	14.42	14.77	14.55	14.63	14.57	14.55
10	14.61	14.86	14.36	14.62	14.24	14.36	14.44	14.69	14.57	14.65	14.54	14.55
11	14.58	14.82	14.30	14.56	14.30	14.23	14.45	14.76	14.58	14.65	14.52	14.55
12	14.51	14.73	14.37	14.49	14.29	14.18	14.36	14.88	14.57	14.62	14.51	14.55
13	14.35	14.80	14.37	14.41	14.29	14.31	14.28	14.81	14.55	14.59	14.48	14.51
14	14.26	14.93	14.61	14.50	14.26	14.44	14.43	14.76	14.52	14.55	14.47	14.46
15	14.17	15.00	14.80	14.73	14.32	14.55	14.52	14.72	14.49	14.54	14.50	14.45
16	14.19	14.97	14.83	14.76	14.31	14.57	14.63	14.71	14.48	14.56	14.51	14.43
17	14.32	14.91	14.81	14.82	14.37	14.52	14.64	14.67	14.48	14.58	14.51	14.42
18	14.40	14.84	14.75	14.87	14.46	14.51	14.59	14.63	14.49	14.60	14.48	14.43
19	14.39	14.74	14.65	14.74	14.55	14.50	14.54	14.58	14.55	14.60	14.46	14.47
20	14.42	14.65	14.69	14.61	14.59	14.53	14.49	14.49	14.61	14.62	14.46	14.48
21	14.48	14.66	14.61	14.53	14.46	14.55	14.41	14.53	14.65	14.62	14.47	14.50
22	14.55	14.65	14.61	14.40	14.49	14.53	14.27	14.50	14.66	14.59	14.46	14.47
23	14.55	14.56	14.55	14.48	14.55	14.35	14.17	14.41	14.67	14.61	14.44	14.45
24	14.50	14.41	14.68	14.56	14.48	14.45	14.17	14.39	14.68	14.62	14.46	14.46
25	14.53	14.32	14.72	14.46	14.51	14.43	14.19	14.41	14.68	14.60	14.49	14.46
26	14.60	14.45	14.71	14.32	14.54	14.45	14.14	14.44	14.68	14.57	14.48	14.39
27	14.62	14.48	14.84	14.46	14.53	14.40	14.22	14.45	14.68	14.53	14.43	14.40
28	14.67	14.47	14.90	14.62	14.24	14.18	14.35	14.51	14.68	14.54	14.40	14.41
29	14.64	14.60	14.86	14.59	---	14.34	14.30	14.56	14.66	14.57	14.38	14.40
30	14.55	14.62	14.83	14.48	---	14.34	14.25	14.54	14.64	14.61	14.31	14.44
31	14.53	---	14.80	14.46	---	14.34	---	14.60	---	14.63	14.25	---
MAX	14.75	15.00	14.90	14.87	14.59	14.57	14.64	14.88	14.68	14.65	14.63	14.62
MIN	14.17	14.32	14.30	14.32	14.24	14.18	14.14	14.38	14.48	14.53	14.25	14.31

WTR YR 2005 HIGH 14.14 LOW 15.00



FLEMING COUNTY

381540083342001. (N2B) , map number 11.

LOCATION.--Lat 38°15'40", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 100 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 9.4 ft., screened interval: unknown.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1044.29 ft. above NGVD of 1929. Measuring point: Top of casing, 2.98 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well. Water levels below 8.95 ft. not recorded.

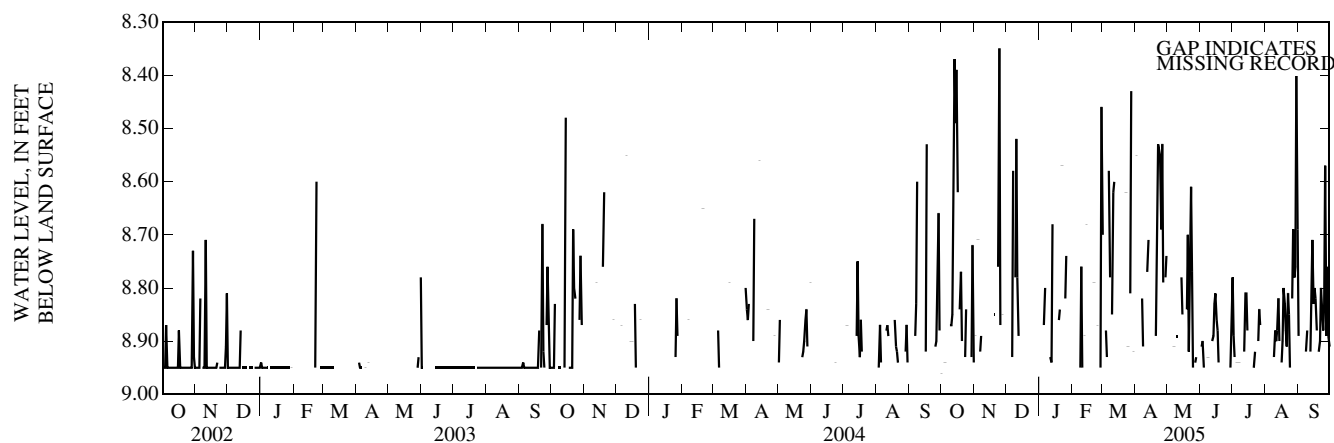
PERIOD OF RECORD.--1984 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.85 ft. below land-surface datum, Aug. 16, 1984; lowest measured, dry several times in recent years.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.96	---	---	---	---	8.70	---	---	---	8.78	---	8.89
2	---	8.89	---	---	---	---	8.55	---	8.91	8.89	---	---
3	---	---	---	---	---	---	---	---	8.90	8.93	---	---
4	8.94	8.71	---	---	---	8.88	---	---	8.95	---	---	---
5	---	---	---	8.87	---	8.93	---	---	---	8.94	---	---
6	---	8.92	8.93	8.80	---	---	---	---	---	---	---	---
7	---	8.89	8.58	---	---	8.58	8.82	8.91	---	8.94	---	---
8	---	---	---	---	8.95	8.78	8.91	---	8.93	---	---	8.92
9	8.87	---	8.78	---	8.76	---	---	8.89	---	---	8.93	8.88
10	8.87	---	8.52	---	8.95	8.85	---	8.89	---	---	8.88	---
11	8.85	---	8.78	8.93	---	8.62	---	---	---	---	8.90	---
12	8.64	---	8.89	8.94	8.89	8.60	8.77	---	8.90	8.92	8.88	8.92
13	8.37	---	---	8.68	---	---	8.71	---	8.89	8.81	8.82	8.81
14	8.49	---	---	---	8.68	---	---	8.78	8.83	8.81	8.90	8.71
15	8.39	---	---	---	---	---	---	8.85	8.81	8.88	---	8.83
16	8.62	---	---	---	---	---	---	---	8.86	---	8.94	8.80
17	---	---	---	---	---	---	---	---	8.88	---	8.90	8.82
18	8.84	---	---	---	---	---	---	---	8.94	---	8.80	8.88
19	8.77	8.85	---	8.86	---	---	---	8.84	---	---	8.83	---
20	8.90	8.85	---	8.84	---	---	8.89	8.70	---	---	8.88	8.92
21	---	---	---	---	8.79	---	8.79	8.92	---	8.95	8.91	8.90
22	---	---	---	8.57	---	---	8.53	8.84	---	8.92	8.81	8.80
23	8.93	8.76	---	---	---	8.62	8.54	8.61	---	---	8.85	8.83
24	8.84	8.35	---	---	8.87	---	8.55	8.77	---	---	8.95	8.88
25	---	8.87	---	8.82	---	8.91	8.69	8.95	---	8.90	---	8.83
26	---	---	---	8.74	---	---	8.53	---	---	8.84	8.82	8.57
27	---	8.85	---	---	8.95	8.81	8.79	8.94	---	8.87	8.69	8.89
28	---	---	---	---	8.46	8.43	---	8.93	---	---	8.78	8.76
29	8.93	---	---	---	---	---	8.78	---	8.95	---	8.76	8.89
30	8.72	---	---	---	---	8.92	8.74	---	8.90	---	8.40	8.91
31	8.94	---	---	---	---	---	---	---	---	---	8.69	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

WTR YR 2005 HIGH 8.35 LOW 8.96



GROUND-WATER LEVELS

FLEMING COUNTY

381540083342002. (ESI04) , map number 12.

LOCATION.--Lat 38°15'40", long 83°34'20", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 100 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 24.5 ft., screened interval: 13.6-18.6 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1047.97 ft. above NGVD of 1929. Measuring point: Top of casing, 2.07 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

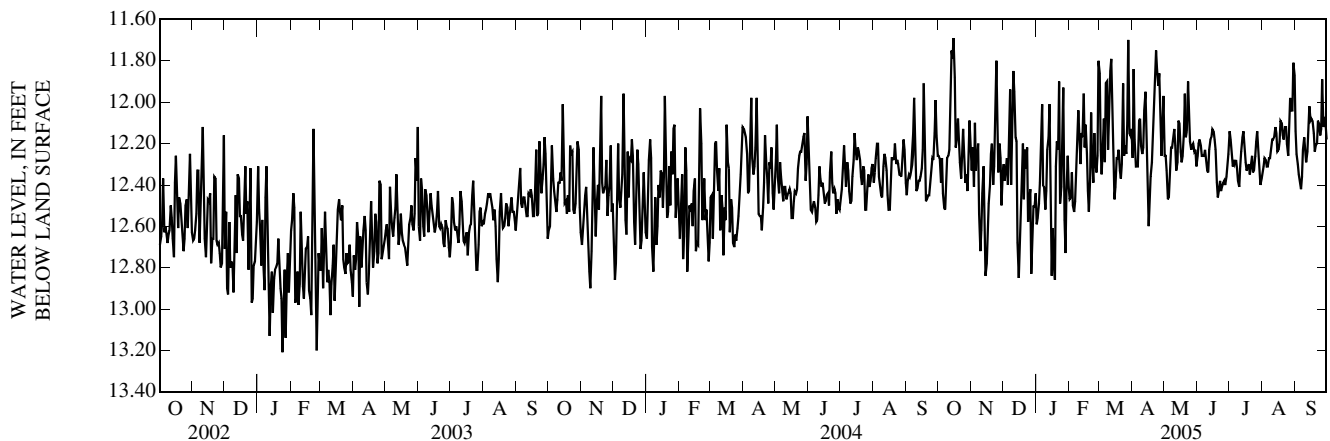
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.69 ft. below land-surface datum, Oct. 15, 2004; lowest measured, 13.71 ft. below land-surface datum, Mar. 18, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.26	12.33	12.30	12.59	12.47	11.86	12.27	12.26	12.26	12.14	12.34	12.14
2	12.27	12.22	12.38	12.56	12.46	12.23	11.84	12.26	12.20	12.18	12.31	12.25
3	12.39	12.41	12.32	12.49	12.34	12.35	12.18	12.33	12.18	12.24	12.27	12.30
4	12.27	12.10	12.27	12.39	12.50	12.17	12.31	12.47	12.21	12.31	12.28	12.35
5	12.44	12.33	12.40	12.19	12.53	12.08	12.31	12.46	12.26	12.28	12.31	12.38
6	12.51	12.27	12.21	12.01	12.48	12.29	12.31	12.34	12.26	12.30	12.31	12.42
7	12.52	12.20	11.94	12.40	12.35	11.91	12.09	12.22	12.26	12.28	12.27	12.36
8	12.39	12.54	12.40	12.41	12.19	11.90	12.08	12.22	12.23	12.32	12.27	12.23
9	12.27	12.72	12.17	12.52	12.04	12.23	12.21	12.18	12.27	12.38	12.23	12.17
10	12.26	12.62	11.85	12.43	12.14	12.11	12.25	12.13	12.33	12.41	12.18	12.23
11	12.23	12.44	11.95	12.23	12.30	11.85	12.22	12.21	12.34	12.31	12.18	12.29
12	12.06	12.31	12.17	12.17	12.15	11.79	12.04	12.33	12.23	12.24	12.17	12.24
13	11.75	12.64	12.19	12.01	12.17	12.12	11.95	12.29	12.18	12.17	12.12	12.12
14	11.79	12.84	12.68	12.53	11.96	12.34	12.28	12.09	12.17	12.14	12.15	12.02
15	11.69	12.78	12.85	12.84	12.22	12.47	12.45	12.10	12.13	12.20	12.24	12.09
16	11.88	12.61	12.67	12.61	12.11	12.41	12.60	12.24	12.14	12.29	12.23	12.08
17	12.22	12.49	12.55	12.77	12.25	12.27	12.49	12.29	12.18	12.33	12.19	12.09
18	12.18	12.40	12.32	12.86	12.43	12.27	12.36	12.26	12.23	12.32	12.09	12.15
19	12.08	12.25	12.20	12.31	12.53	12.23	12.29	12.15	12.39	12.30	12.10	12.24
20	12.18	12.20	12.47	12.19	12.37	12.33	12.20	11.96	12.46	12.35	12.16	12.21
21	12.29	12.40	12.23	12.23	12.05	12.37	12.09	12.17	12.43	12.31	12.18	12.20
22	12.37	12.31	12.32	11.90	12.27	12.30	11.90	12.14	12.38	12.26	12.12	12.09
23	12.26	12.10	12.22	12.49	12.39	11.91	11.75	11.90	12.43	12.34	12.12	12.10
24	12.13	11.80	12.58	12.41	12.15	12.26	11.84	12.01	12.41	12.33	12.20	12.16
25	12.29	12.00	12.47	12.15	12.29	12.21	11.92	12.19	12.39	12.26	12.26	12.13
26	12.39	12.34	12.42	11.93	12.34	12.25	11.86	12.23	12.38	12.19	12.14	11.89
27	12.35	12.20	12.83	12.57	12.26	12.10	12.01	12.21	12.40	12.14	11.98	12.12
28	12.43	12.27	12.68	12.73	11.80	11.70	12.26	12.20	12.36	12.26	12.04	12.08
29	12.28	12.50	12.50	12.43	---	12.15	12.09	12.24	12.30	12.33	12.04	12.09
30	12.09	12.34	12.51	12.26	---	12.16	11.97	12.23	12.25	12.40	11.81	12.18
31	12.23	---	12.44	12.41	---	12.13	---	12.31	---	12.37	11.87	---
MAX	12.52	12.84	12.85	12.86	12.53	12.47	12.60	12.47	12.46	12.41	12.34	12.42
MIN	11.69	11.80	11.85	11.90	11.80	11.70	11.75	11.90	12.13	12.14	11.81	11.89

WTR YR 2005 HIGH 11.69 LOW 12.86



FLEMING COUNTY

381541083340901 (UF10A) , map number 17.

LOCATION.--Lat 38°15' 41" , long 83°34' 09" , Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, inside restricted area of the Maxey Flats Site, 200 ft. south of site access gate. Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2 in., depth 30.6 ft., screened interval: 25.6-30.6 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 1057.74 ft. above NGVD of 1929. Measuring point: Top of casing, 2.13 ft. above land surface-datum.

REMARKS.--Maxey Flats Project monitoring well.

PERIOD OF RECORD.--2003 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.86 ft. below land-surface datum, Jul. 24, 2003; lowest measured, 28.36 ft. below land-surface datum, Jan. 19, 2005.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Oct. 27, 2004	28.10	Apr. 12, 2005	28.20
Jan. 19, 2005	28.36	Jul. 27, 2005	28.26

GROUND-WATER LEVELS

FLEMING COUNTY

381541083341701 (UF2), map number 13.

LOCATION.--Lat 38°15'41", long 83°34'17". Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 14.2 ft., screened interval: 12.2-14.2 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1045.73 ft. above NGVD of 1929. Measuring point: Top of casing, 3.08 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

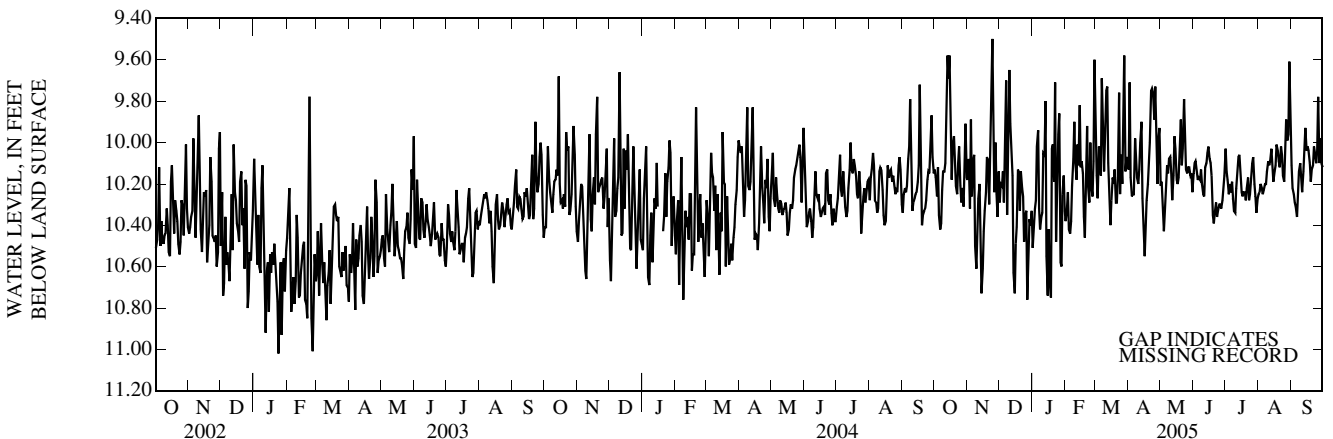
PERIOD OF RECORD.--1985 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.20 ft. below land-surface datum, Aug. 08, 1985; lowest measured, 11.69 ft. below land-surface datum, Mar. 18, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.13	10.18	10.29	10.51	10.38	9.82	10.13	10.21	10.15	10.03	10.25	10.11
2	10.17	10.08	10.20	10.44	10.32	10.16	9.71	10.19	10.10	10.14	10.24	10.22
3	10.26	10.32	10.21	10.32	10.24	10.27	10.17	10.28	10.09	10.18	10.20	10.25
4	10.12	9.89	10.14	10.28	10.42	10.02	10.26	10.43	10.14	10.25	10.22	10.29
5	10.35	10.26	10.29	10.02	10.44	10.05	10.25	10.35	10.18	10.20	10.25	10.31
6	10.42	10.09	10.06	9.94	10.38	10.16	10.25	10.24	10.17	10.24	10.23	10.36
7	10.39	10.06	9.70	10.32	10.21	9.69	9.98	10.11	10.18	10.19	10.20	10.27
8	10.23	10.50	10.35	10.42	10.08	9.92	10.06	10.15	10.13	10.27	10.20	10.14
9	10.14	10.61	9.92	10.36	9.90	10.14	10.17	10.08	10.20	10.33	10.14	10.10
10	10.14	10.44	9.65	10.34	10.09	9.98	10.20	10.07	10.25	10.34	10.09	10.17
11	10.10	10.27	9.91	10.05	10.18	9.75	10.13	10.15	10.26	10.22	10.11	10.24
12	9.87	10.20	10.03	10.06	10.01	9.73	10.00	10.28	10.12	10.16	10.09	10.14
13	9.58	10.57	10.16	9.80	10.11	10.10	9.90	10.16	10.10	10.07	10.03	10.03
14	9.69	10.73	10.63	10.55	9.82	10.29	10.27	9.97	10.05	10.06	10.11	9.93
15	9.58	10.61	10.73	10.74	10.12	10.40	10.42	10.03	10.02	10.15	10.19	10.04
16	9.82	10.43	10.49	10.42	10.09	10.28	10.55	10.18	10.08	10.24	10.14	10.02
17	10.18	10.33	10.41	10.66	10.15	10.17	10.39	10.20	10.10	10.26	10.11	10.04
18	10.01	10.24	10.13	10.75	10.36	10.20	10.28	10.17	10.16	10.24	10.01	10.10
19	9.97	10.07	10.14	10.03	10.46	10.13	10.20	10.03	10.35	10.24	10.04	10.19
20	10.09	10.08	10.33	10.01	10.16	10.29	10.11	9.89	10.39	10.28	10.09	10.13
21	10.21	10.30	10.14	10.19	9.92	10.29	10.00	10.11	10.34	10.22	10.12	10.11
22	10.25	10.13	10.22	9.71	10.21	10.17	9.75	10.03	10.29	10.17	10.02	10.02
23	10.10	9.91	10.26	10.48	10.29	9.76	9.74	9.79	10.36	10.28	10.06	10.05
24	10.02	9.50	10.48	10.17	10.00	10.25	9.76	9.96	10.33	10.25	10.16	10.10
25	10.21	10.03	10.35	9.96	10.21	10.06	9.89	10.13	10.30	10.17	10.19	10.04
26	10.29	10.24	10.33	9.86	10.26	10.20	9.73	10.15	10.30	10.10	10.03	9.78
27	10.22	10.00	10.76	10.58	10.09	9.97	9.99	10.12	10.32	10.07	9.89	10.10
28	10.31	10.25	10.50	10.60	9.60	9.58	10.20	10.12	10.28	10.20	9.99	9.98
29	10.11	10.36	10.37	10.25	---	10.14	9.98	10.16	10.22	10.26	9.96	10.10
30	9.91	10.14	10.40	10.16	---	10.07	9.93	10.15	10.16	10.34	9.61	10.12
31	10.17	---	10.33	10.33	---	10.09	---	10.24	---	10.27	9.91	---
MAX	10.42	10.73	10.76	10.75	10.46	10.40	10.55	10.43	10.39	10.34	10.25	10.36
MIN	9.58	9.50	9.65	9.71	9.60	9.58	9.71	9.79	10.02	10.03	9.61	9.78

WTR YR 2005 HIGH 9.50 LOW 10.76



FLEMING COUNTY

381542083341401 (ESI20) , map number 16.

LOCATION.--Lat 38°15' 42" , long 83°34' 14" , Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 30 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale of the Sunbury formation. Aquifer code: 330SNBR.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 109.7 ft., screened interval: 99.7-109.7 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 1045.43 ft. above NGVD of 1929. Measuring point: Top of casing, 2.90 ft. above land surface datum.

REMARKS.--Maxey Flats Project monitoring well.

PERIOD OF RECORD.--2003 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.24 ft. below land- surface datum, Apr. 12, 2005; lowest measured, 103.75 ft. below land-surface datum, Jul. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Oct. 26, 2004	102.75	Apr. 12, 2005	102.24
Jan. 18, 2005	102.51	Jul. 26, 2005	103.06

GROUND-WATER LEVELS

FLEMING COUNTY

381543083341501. (UF5), map number 14.

LOCATION.--Lat 38°15'43", long 83°34'15", Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 18.1 ft., screened interval: 16.1-18.1 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1048.25 ft. above NGVD of 1929. Measuring point: Top of casing, 3.25 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

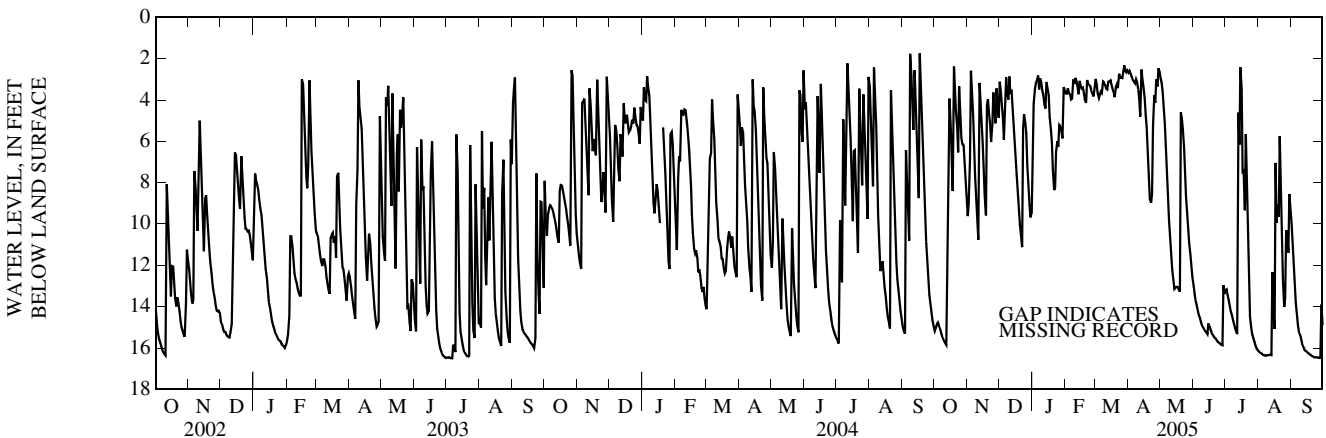
PERIOD OF RECORD.--1985 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.77 ft. below land-surface datum, Sep. 17, 2004; lowest measured, 17.37 ft. below land-surface datum, Mar. 16, 1989.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.18	9.63	3.12	6.96	3.68	2.99	2.69	2.98	13.00	13.19	16.15	9.96
2	15.04	9.02	3.53	4.18	3.69	3.27	2.61	3.19	13.38	13.17	16.20	10.91
3	14.83	6.91	4.26	3.48	3.44	3.68	2.74	3.59	13.70	13.45	16.24	11.97
4	14.78	2.60	4.90	3.18	3.65	3.91	2.91	4.43	13.97	13.73	16.27	12.91
5	14.91	3.73	5.92	3.08	3.75	3.75	3.01	5.18	14.19	13.99	16.32	13.78
6	15.07	4.81	4.57	2.83	3.97	3.60	3.11	6.30	14.40	14.23	16.34	14.44
7	15.28	6.00	2.93	3.49	3.93	3.67	3.20	7.55	14.58	14.44	16.36	14.92
8	15.43	7.71	3.67	2.97	3.02	3.11	3.01	8.78	14.76	14.65	16.37	15.22
9	15.53	8.99	3.99	3.19	3.24	3.15	3.16	9.83	14.90	14.84	16.35	15.37
10	15.67	9.96	2.88	3.56	2.94	3.27	3.49	10.68	15.01	15.07	16.34	15.58
11	15.76	10.77	3.63	3.74	3.11	3.47	3.98	11.50	15.09	15.21	16.34	15.78
12	15.84	3.19	3.57	4.25	3.34	3.50	4.81	12.22	15.17	15.33	16.33	15.94
13	10.78	4.13	4.20	4.42	3.73	3.12	2.53	12.77	15.24	4.62	16.34	16.07
14	7.45	5.09	5.01	3.14	3.08	3.11	3.02	13.15	15.32	6.17	12.33	16.14
15	3.94	6.19	5.88	3.50	3.34	3.06	3.35	13.09	14.81	2.43	14.12	16.17
16	5.36	7.54	6.73	3.78	3.46	3.26	3.93	13.05	14.95	3.47	15.08	16.21
17	7.11	8.67	7.65	4.83	3.42	3.50	4.70	13.05	15.11	7.47	7.06	16.26
18	8.42	9.59	8.45	5.45	3.67	3.60	5.28	13.13	15.26	7.42	9.95	16.31
19	2.40	4.27	9.14	6.06	4.00	3.86	6.46	13.27	15.36	9.35	9.05	16.34
20	3.42	3.98	10.02	7.40	4.15	3.39	7.72	4.61	15.44	5.66	9.66	16.39
21	4.53	4.73	10.47	8.37	3.05	3.27	8.81	4.89	15.51	8.99	5.75	16.42
22	5.30	5.20	11.13	8.25	3.21	3.44	8.98	5.38	15.57	11.64	8.49	16.43
23	6.55	6.04	5.38	6.49	3.30	2.74	8.54	6.29	15.64	13.40	10.90	16.44
24	3.34	5.17	4.71	6.01	3.34	2.93	5.24	7.53	15.71	14.47	12.76	16.45
25	4.62	3.65	5.12	6.26	3.55	2.93	3.78	8.65	15.75	15.04	14.01	16.45
26	5.81	4.46	5.61	5.22	3.69	2.96	4.14	9.57	15.80	15.33	13.56	16.46
27	6.12	5.13	7.15	5.30	3.83	2.64	3.01	10.31	15.84	15.51	10.31	16.47
28	6.19	3.45	8.21	5.52	3.50	2.34	3.36	10.93	15.88	15.71	10.62	16.48
29	6.86	4.22	9.05	5.86	---	2.61	2.47	11.51	12.97	15.87	11.40	13.91
30	7.68	4.87	9.68	3.39	---	2.67	2.58	12.05	13.38	16.00	8.56	14.89
31	8.80	---	9.44	3.55	---	2.57	---	12.56	---	16.09	9.34	---
MAX	15.84	10.77	11.13	8.37	4.15	3.91	8.98	13.27	15.88	16.09	16.37	16.48
MIN	2.40	2.60	2.88	2.83	2.94	2.34	2.47	2.98	12.97	2.43	5.75	9.96

WTR YR 2005 HIGH 2.34 LOW 16.48



FLEMING COUNTY

381543083341602. (ESI05) , map number 15.

LOCATION.--Lat 38°15'43" , long 83°34'16" , Hydrologic Unit 05100101, County Code 069, Plummers Landing quadrangle, on the west side of the Maxey Flats Site, 5 ft. west of perimeter road . Owner: State of Kentucky.

AQUIFER.--Shale and sandstone beds of the Nancy formation. Aquifer code: 337NNCY.

WELL CHARACTERISTICS.--Augered observation well, diameter 2.5 in., depth 22.9 ft., screened interval: 12.0-17.0 ft.

INSTRUMENTATION.--Continuous recorder 60 minute interval.

DATUM.--Elevation of land-surface datum is 1044.82 ft. above NGVD of 1929. Measuring point: Top of casing, 1.88 ft. above land-surface datum.

REMARKS.--Maxey Flats Project monitoring well.

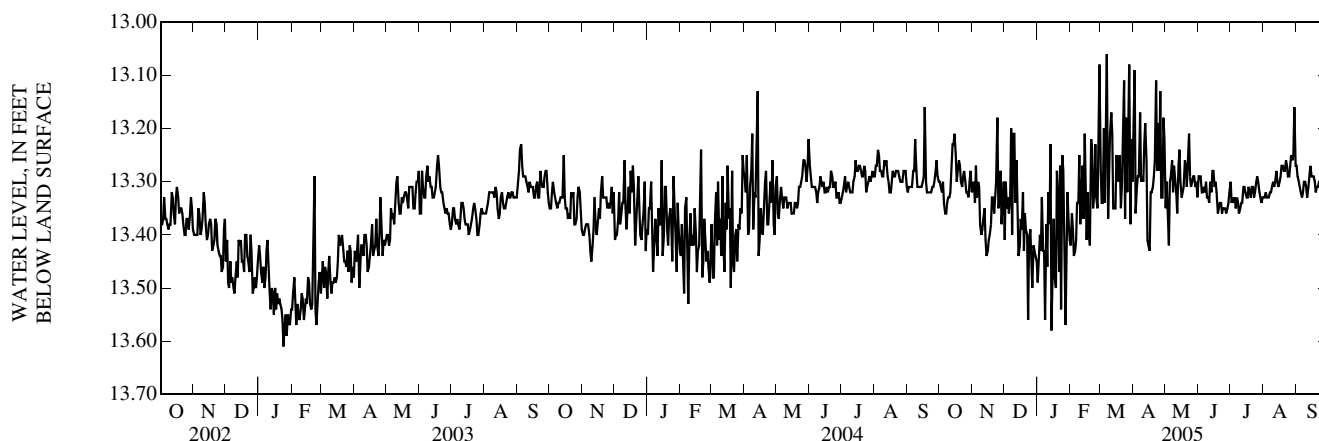
PERIOD OF RECORD.--2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.06 ft. below land-surface datum, Mar. 07, 2005; lowest measured, 16.59 ft. below land-surface datum, Mar. 09, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.30	13.31	13.41	13.49	13.42	13.28	13.21	13.35	13.29	13.30	13.33	13.27
2	13.31	13.30	13.30	13.45	13.36	13.34	13.09	13.30	13.29	13.34	13.33	13.29
3	13.32	13.34	13.35	13.40	13.39	13.34	13.36	13.35	13.29	13.33	13.32	13.30
4	13.30	13.27	13.33	13.43	13.44	13.20	13.31	13.42	13.32	13.34	13.33	13.31
5	13.34	13.33	13.36	13.33	13.43	13.34	13.29	13.30	13.32	13.33	13.33	13.32
6	13.36	13.30	13.33	13.43	13.41	13.27	13.29	13.29	13.31	13.35	13.33	13.33
7	13.36	13.31	13.20	13.43	13.34	13.06	13.17	13.26	13.32	13.33	13.32	13.32
8	13.34	13.38	13.40	13.56	13.34	13.37	13.30	13.32	13.30	13.34	13.32	13.30
9	13.33	13.40	13.21	13.38	13.25	13.30	13.29	13.27	13.33	13.36	13.31	13.30
10	13.33	13.39	13.21	13.46	13.38	13.21	13.30	13.30	13.33	13.35	13.30	13.31
11	13.32	13.37	13.34	13.32	13.32	13.17	13.23	13.32	13.34	13.34	13.31	13.33
12	13.28	13.35	13.26	13.38	13.27	13.21	13.19	13.36	13.30	13.34	13.30	13.31
13	13.23	13.41	13.38	13.23	13.37	13.35	13.26	13.27	13.32	13.31	13.28	13.29
14	13.23	13.44	13.44	13.58	13.21	13.35	13.41	13.24	13.28	13.31	13.30	13.27
15	13.21	13.43	13.42	13.49	13.32	13.35	13.42	13.30	13.28	13.32	13.31	13.29
16	13.25	13.41	13.37	13.37	13.41	13.25	13.43	13.33	13.31	13.33	13.30	13.29
17	13.30	13.40	13.39	13.48	13.32	13.28	13.32	13.32	13.30	13.33	13.29	13.29
18	13.28	13.38	13.32	13.50	13.40	13.30	13.32	13.31	13.32	13.31	13.27	13.30
19	13.26	13.33	13.43	13.28	13.42	13.25	13.31	13.26	13.36	13.32	13.27	13.32
20	13.27	13.33	13.36	13.32	13.22	13.35	13.29	13.27	13.35	13.33	13.28	13.31
21	13.30	13.36	13.39	13.47	13.24	13.31	13.26	13.31	13.34	13.31	13.28	13.31
22	13.31	13.33	13.40	13.27	13.35	13.23	13.11	13.26	13.34	13.31	13.26	13.30
23	13.29	13.30	13.56	13.54	13.32	13.11	13.28	13.21	13.36	13.33	13.27	13.30
24	13.28	13.18	13.41	13.25	13.23	13.37	13.19	13.29	13.35	13.32	13.29	13.31
25	13.30	13.35	13.39	13.28	13.33	13.18	13.28	13.31	13.35	13.30	13.29	13.30
26	13.32	13.34	13.44	13.36	13.35	13.32	13.13	13.30	13.35	13.29	13.27	13.26
27	13.32	13.28	13.50	13.57	13.22	13.16	13.33	13.29	13.36	13.30	13.25	13.31
28	13.33	13.38	13.42	13.42	13.08	13.08	13.33	13.29	13.35	13.32	13.26	13.29
29	13.30	13.34	13.43	13.32	---	13.38	13.18	13.31	13.34	13.33	13.25	13.31
30	13.28	13.30	13.44	13.38	---	13.22	13.22	13.30	13.32	13.34	13.16	13.31
31	13.32	---	13.45	13.41	---	13.30	---	13.33	---	13.33	13.27	---
MAX	13.36	13.44	13.56	13.58	13.44	13.38	13.43	13.42	13.36	13.36	13.33	13.33
MIN	13.21	13.18	13.20	13.23	13.08	13.06	13.09	13.21	13.28	13.29	13.16	13.26

WTR YR 2005 HIGH 13.06 LOW 13.58



GROUND-WATER LEVELS

JEFFERSON COUNTY

381441085452701. (Lib A-2), map number 1.

LOCATION.--Lat 38°14'41", long 85°45'27", Hydrologic Unit 05140101, County Code 111, Louisville West quadrangle, at the Louisville Free Public Library, 301 West York Street, on east side of building 200 ft west of 3rd st. in grass courtyard. Owner: City of Louisville.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in., depth 105 ft, cased and screened.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 454.23 ft NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water-quality sample collected May 8, 1956.

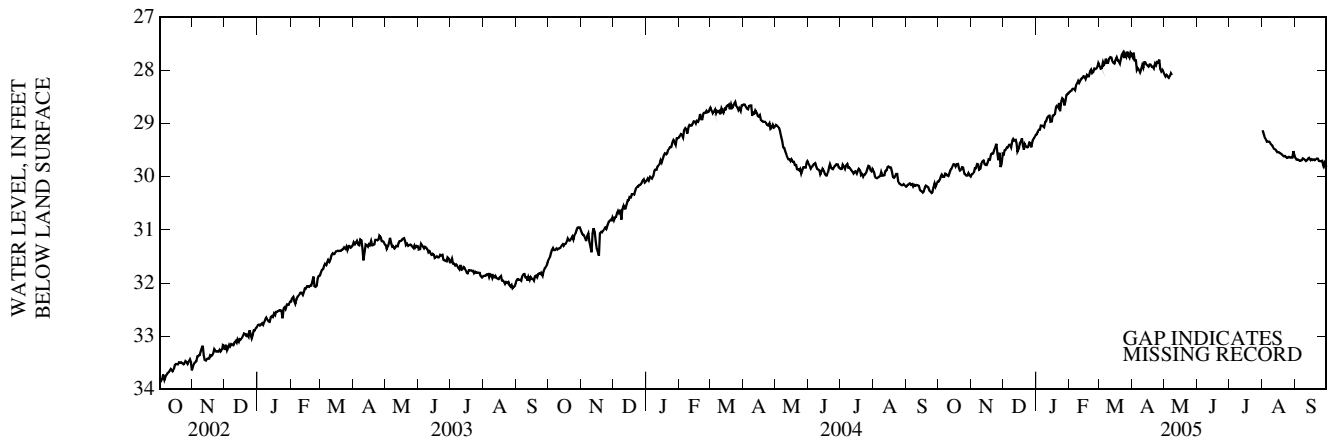
PERIOD OF RECORD.--February 1937 to current year. February 1937 to September 1976 published in hydrograph form and on file at district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level observed, 27.51 ft below land-surface datum, June 1, 1997; lowest, 77.82 ft below land-surface datum, Sept. 18, 1955.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.09	29.96	29.58	29.21	28.41	27.92	27.75	28.08	---	---	29.13	29.65
2	30.06	29.95	29.50	29.16	28.39	27.97	27.67	28.12	---	---	29.19	29.68
3	29.99	29.92	29.49	29.12	28.37	27.96	27.81	28.09	---	---	29.25	29.68
4	29.96	29.84	29.45	29.12	28.35	27.85	27.81	28.12	---	---	29.29	29.69
5	30.00	29.84	29.45	29.04	28.35	27.90	28.00	28.14	---	---	29.34	29.70
6	30.00	29.76	29.40	29.04	28.37	27.87	27.96	28.11	---	---	29.34	29.70
7	29.94	29.77	29.40	29.05	28.28	27.78	27.99	28.05	---	---	29.34	29.69
8	29.95	29.87	29.45	29.07	28.24	27.86	28.04	28.09	---	---	29.35	29.66
9	29.98	29.85	29.32	28.97	28.20	27.86	27.99	---	---	---	29.39	29.67
10	29.99	29.76	29.29	28.95	28.24	27.78	27.90	---	---	---	29.41	29.69
11	29.94	29.72	29.32	28.89	28.19	27.75	27.95	---	---	---	29.44	29.71
12	29.89	29.70	29.31	28.86	28.16	27.76	27.85	---	---	---	29.48	29.69
13	29.85	29.76	29.37	28.85	28.15	27.82	27.85	---	---	---	29.49	29.66
14	29.81	29.78	29.53	28.97	28.11	27.86	27.89	---	---	---	29.51	29.65
15	29.77	29.78	29.48	28.96	28.12	27.87	27.91	---	---	---	29.54	29.69
16	29.77	29.73	29.38	28.85	28.16	27.81	27.93	---	---	---	29.54	29.67
17	29.81	29.67	29.35	28.85	28.09	27.76	27.89	---	---	---	29.55	29.69
18	29.77	29.68	29.28	28.82	28.11	27.81	27.89	---	---	---	29.56	29.68
19	29.76	29.58	29.42	28.70	28.11	27.82	27.93	---	---	---	29.58	29.69
20	29.84	29.56	29.49	28.67	28.02	27.87	27.93	---	---	---	29.60	29.67
21	29.89	29.56	29.38	28.70	27.99	27.79	27.96	---	---	---	29.62	29.66
22	29.87	29.50	29.43	28.61	28.05	27.71	27.87	---	---	---	29.61	29.66
23	29.82	29.46	29.45	28.77	28.03	27.67	27.90	---	---	---	29.63	29.70
24	29.83	29.38	29.44	28.58	27.97	27.77	27.84	---	---	---	29.65	29.71
25	29.94	29.55	29.36	28.53	27.98	27.68	27.85	---	---	---	29.64	29.71
26	29.96	29.69	29.37	28.55	27.97	27.74	27.80	---	---	---	29.63	29.70
27	29.98	29.55	29.45	28.66	27.93	27.65	27.97	---	---	---	29.64	29.80
28	29.98	29.82	29.33	28.57	27.86	27.71	28.02	---	---	---	29.64	29.75
29	29.93	29.77	29.30	28.46	---	27.76	27.99	---	---	---	29.64	29.82
30	29.97	29.57	29.27	28.44	---	27.67	28.02	---	---	---	29.52	29.79
31	30.00	---	29.22	28.43	---	27.70	---	---	---	---	29.62	---
MAX	30.09	29.96	29.58	29.21	28.41	27.97	28.04	---	---	---	29.65	29.82
MIN	29.76	29.38	29.22	28.43	27.86	27.65	27.67	---	---	---	29.13	29.65

WTR YR 2005 HIGH 27.65 LOW 30.09



JEFFERSON COUNTY

381518085453402. (Courthouse Annex), map number 2.

LOCATION.--Lat 38°15'18", long 85°45'34", Hydrologic Unit 05140101, County Code 111, New Albany quadrangle, at northwest corner behind Courthouse Annex building between 5th and 6th Streets, east of walkway to parking garage. Owner: City of Louisville.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.5 in., depth 102 ft, screened 42-44 ft, 61-63 ft, 99-101 ft.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 461.63 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

REMARKS.--Water levels affected by Ohio River stage and pumping from nearby wells.

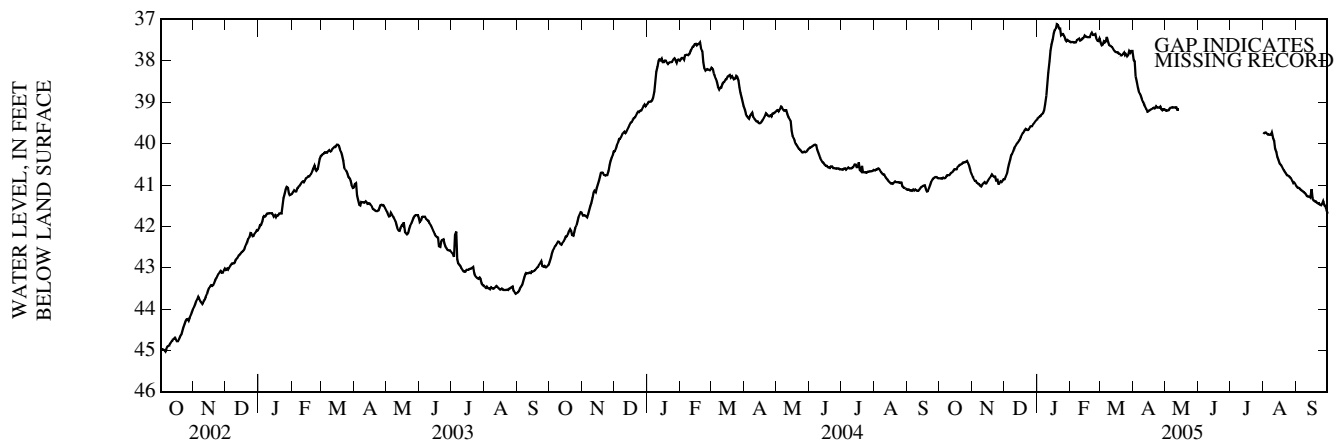
PERIOD OF RECORD.--November 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 37.12 ft below land-surface datum, Jan. 19, 2005; lowest, 46.82 ft below land-surface datum, July 27, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.84	40.80	40.86	39.40	37.55	37.57	37.98	39.20	---	---	39.77	41.03
2	40.84	40.84	40.81	39.37	37.54	37.63	38.01	39.21	---	---	39.74	41.06
3	40.85	40.90	40.73	39.34	37.54	37.61	38.38	39.20	---	---	39.73	41.07
4	40.82	40.90	40.61	39.33	37.56	37.53	38.52	39.19	---	---	39.76	41.09
5	40.84	40.95	40.51	39.29	37.55	37.55	38.64	39.15	---	---	39.78	41.12
6	40.83	40.97	40.39	39.26	37.55	37.53	38.74	39.14	---	---	39.78	41.14
7	40.81	40.98	40.29	39.20	37.50	37.43	38.80	39.12	---	---	39.79	41.16
8	40.77	41.02	40.26	39.06	37.48	37.54	38.87	39.13	---	---	39.79	41.18
9	40.76	41.04	40.18	38.84	37.46	37.61	38.94	39.13	---	---	39.73	41.20
10	40.76	41.00	40.11	38.58	37.51	37.64	39.00	39.12	---	---	39.88	41.23
11	40.74	40.96	40.07	38.29	37.50	37.65	39.07	39.12	---	---	39.94	41.27
12	40.71	40.93	40.02	38.01	37.46	37.67	39.11	39.18	---	---	40.13	41.28
13	40.69	40.96	39.98	37.75	37.45	37.71	39.17	39.18	---	---	40.21	41.28
14	40.66	40.96	39.96	37.61	37.39	37.76	39.23	---	---	---	40.33	41.30
15	40.62	40.91	39.91	37.48	37.41	37.78	39.22	---	---	---	40.39	41.10
16	40.62	40.87	39.85	37.34	37.42	37.79	39.20	---	---	---	40.48	41.32
17	40.62	40.83	39.80	37.26	37.43	37.79	39.18	---	---	---	40.51	41.37
18	40.57	40.79	39.74	37.22	37.43	37.82	39.17	---	---	---	40.53	41.40
19	40.53	40.75	39.72	37.12	37.43	37.83	39.15	---	---	---	40.59	41.40
20	40.52	40.78	39.68	37.13	37.35	37.87	39.14	---	---	---	40.64	41.43
21	40.51	40.81	39.65	37.22	37.32	37.87	39.15	---	---	---	40.68	41.45
22	40.49	40.80	39.67	37.22	37.37	37.84	39.10	---	---	---	40.72	41.44
23	40.46	40.89	39.67	37.38	37.37	37.80	39.13	---	---	---	40.76	41.48
24	40.45	40.88	39.65	37.35	37.36	37.87	39.13	---	---	---	40.78	41.50
25	40.45	40.97	39.59	37.35	37.45	37.84	39.13	---	---	---	40.79	41.46
26	40.44	40.97	39.58	37.40	37.51	37.89	39.11	---	---	---	40.82	41.40
27	40.42	40.92	39.58	37.50	37.52	37.86	39.17	---	---	---	40.84	41.50
28	40.49	40.93	39.52	37.53	37.47	37.76	39.20	---	---	---	40.90	41.51
29	40.58	40.91	39.49	37.50	---	37.81	39.17	---	---	---	40.96	41.60
30	40.66	40.86	39.46	37.52	---	37.76	39.17	---	---	---	40.95	41.70
31	40.74	---	39.42	37.53	---	37.76	---	---	---	---	40.99	---
MAX	40.85	41.04	40.86	39.40	37.56	37.89	39.23	---	---	---	40.99	41.70
MIN	40.42	40.75	39.42	37.12	37.32	37.43	37.98	---	---	---	39.73	41.03

WTR YR 2005 HIGH 37.12 LOW 41.70



GROUND-WATER LEVELS

JEFFERSON COUNTY

381613085422801 (Edith Lane Landfill), map number 3.

LOCATION.--Lat 38° 16' 13", long 85° 42' 28", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 50 feet east of landfill, 200 feet south of River Road. Owner: City of Louisville.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 60.9, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 433.66 ft above NGVD of 1929. Measuring point: Top of pvc casing, 0.68 ft above land-surface datum.

REMARKS.-- Unused landfill monitoring well.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.23 ft below land-surface datum, Mar. 29, 2002; lowest measured, 14.29 ft below land-surface datum, Sept. 25, 2002.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	9.22	Aug. 01, 2005	13.48

381638085415801 (WC-4), map number 4.

LOCATION.--Lat 38° 16' 38", long 85° 41' 58", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at the northwest corner of River Road and Zorn Avenue, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in., depth 104 ft, screened 98-100 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 435.79 ft above NGVD of 1929. Measuring point: Floor of recorder shelter, 4.41 ft above land-surface datum.

REMARKS.-- Water levels affected by Ohio River, which causes level to rise above land-surface and nearby pumpage. Water-quality sample collected July 10, 1979.

PERIOD OF RECORD.--October 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level observed, 3.71 ft above land-surface datum, Mar. 13, 1967; lowest, 19.61 ft below land-surface datum, Feb. 13, 1948.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	9.38	Aug. 01, 2005	14.99

381648085421201 (WC-5), map number 5.

LOCATION.--Lat 38° 16' 48", long 85° 42' 12", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 200 ft west of Louisville Water Company pump house, 200 ft south of the Ohio River, 0.2 mi northwest of junction of River Road and Zorn Avenue, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in., depth 98 ft, screened 96-98 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 435.11 ft above NGVD of 1929. Measuring point: Top of pipe flange, 2.21 ft above land-surface datum.

REMARKS.-- Water levels affected by Ohio River, which causes level to rise above land-surface. Water-quality collected Apr. 30, 1948.

PERIOD OF RECORD.--May 1946 to current year. May 1946 to April 1977 published in hydrograph form and on file at the district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.04 ft above land-surface datum, Jan. 17, 1950; lowest measured, 18.31 ft below land-surface datum, Nov. 6, 1946.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	9.64	Aug. 01, 2005	13.52

JEFFERSON COUNTY

381653085413302 (WC-9A), map number 6.

LOCATION.--Lat 38°16'53", long 85°41'33", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 45 ft east of River Road at Wagner Lane, opposite the southwest corner of Cox Park, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in., depth 90 ft, screened 76-78 ft, 88-90 ft.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 437.65 ft NGVD of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Replaces Well 381653085413301 (WC-9) which was 10 ft. north. Water levels affected by Ohio River.

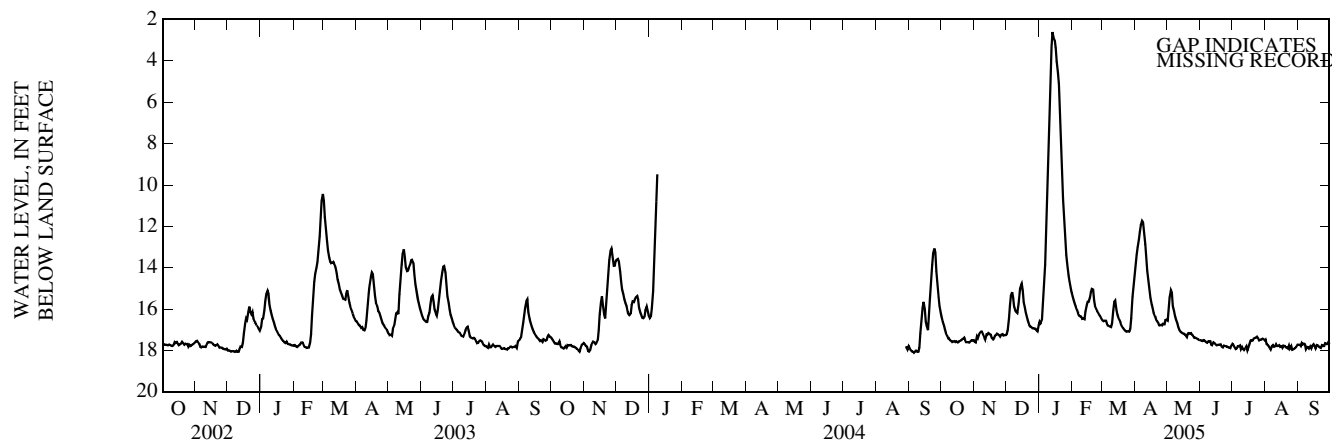
PERIOD OF RECORD.--December 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.61 ft below land-surface datum, Jan. 13, 2005; lowest measured, 19.04 ft below land-surface datum, July 21, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.41	17.58	17.22	16.61	15.40	16.56	13.83	16.56	17.50	17.70	17.48	17.73
2	16.62	17.61	17.03	16.68	15.62	16.59	13.37	16.00	17.53	17.74	17.69	17.72
3	16.81	17.31	16.45	16.54	15.77	16.57	13.02	15.44	17.55	17.84	17.74	17.80
4	17.00	17.40	15.83	15.89	15.90	16.57	12.64	15.09	17.51	17.94	17.80	17.65
5	17.16	17.25	15.35	15.06	16.06	16.71	12.27	15.21	17.54	17.91	17.88	17.73
6	17.29	17.13	15.18	13.87	16.21	16.79	11.95	15.86	17.58	17.80	17.95	17.67
7	17.41	17.09	15.45	12.29	16.31	16.83	11.74	16.12	17.63	17.80	17.78	17.71
8	17.41	17.09	15.89	10.62	16.37	16.86	11.82	16.34	17.59	17.77	17.74	17.95
9	17.50	17.24	16.09	8.94	16.36	16.87	12.27	16.52	17.55	17.96	17.82	17.83
10	17.55	17.37	16.15	7.08	16.47	16.70	12.86	16.69	17.55	17.83	17.80	17.85
11	17.60	17.48	16.19	5.02	16.46	16.06	13.55	16.88	17.72	17.94	17.69	17.91
12	17.57	17.23	15.74	3.34	16.48	15.67	14.15	16.99	17.75	17.98	17.79	17.80
13	17.56	17.24	15.25	2.61	16.12	15.61	14.69	17.09	17.62	17.89	17.78	17.90
14	17.60	17.16	14.92	2.85	15.82	16.05	15.08	17.14	17.65	17.82	17.76	17.77
15	17.57	17.21	14.78	2.99	15.65	16.29	15.45	17.16	17.69	18.00	17.83	17.69
16	17.61	17.25	15.09	3.37	15.65	16.43	15.78	17.18	17.75	17.81	17.80	17.79
17	17.57	17.40	15.67	4.01	15.45	16.53	15.96	17.23	17.74	17.68	17.88	17.91
18	17.56	17.48	15.96	4.57	15.18	16.68	16.18	17.26	17.72	17.53	17.77	17.74
19	17.53	17.43	16.21	5.12	15.03	16.80	16.33	17.36	17.73	17.51	17.79	17.76
20	17.48	17.31	16.39	6.30	15.07	16.90	16.47	17.20	17.71	17.53	17.85	17.81
21	17.44	17.26	16.56	7.95	15.57	16.97	16.56	17.17	17.81	17.43	17.85	17.87
22	17.39	17.20	16.76	9.35	15.85	17.03	16.66	17.20	17.86	17.40	17.91	17.88
23	17.50	17.23	16.84	10.70	15.99	17.09	16.78	17.17	17.77	17.39	17.77	17.76
24	17.60	17.27	16.86	11.75	16.11	17.07	16.80	17.24	17.79	17.33	17.92	17.78
25	17.60	17.33	16.92	12.66	16.18	17.08	16.77	17.27	17.82	17.41	17.80	17.78
26	17.60	17.25	16.94	13.37	16.30	17.09	16.79	17.38	17.82	17.53	17.97	17.66
27	17.61	17.22	16.93	13.97	16.37	16.97	16.72	17.39	17.85	17.49	17.96	17.69
28	17.55	17.27	16.95	14.33	16.46	16.44	16.74	17.41	17.86	17.48	17.92	17.69
29	17.50	17.26	17.03	14.66	---	15.42	16.53	17.44	17.90	17.43	17.90	17.61
30	17.53	17.26	17.07	14.99	---	14.94	16.51	17.48	17.78	17.45	17.84	17.71
31	17.51	---	16.78	15.22	---	14.42	---	17.49	---	17.52	17.73	---
MAX	17.61	17.61	17.22	16.68	16.48	17.09	16.80	17.49	17.90	18.00	17.97	17.95
MIN	16.41	17.09	14.78	2.61	15.03	14.42	11.74	15.09	17.50	17.33	17.48	17.61

WTR YR 2005 HIGH 2.61 LOW 18.00



GROUND-WATER LEVELS

JEFFERSON COUNTY

381701085414002 (WC-8A), map number 7.

LOCATION.--Lat 38°17'01", long 85°41'40", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, on the south bank of the Ohio River at the northwest corner of Cox Park, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in., depth 86.8 ft, screened 86.8-90.8 ft.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 432.62 ft NGVD of 1929. Measuring point: Top of casing, 2.65 ft above land-surface datum.

REMARKS.--Replaces well 381702085414001 (WC-8) which was 100 ft north. Water levels affected by Ohio River.

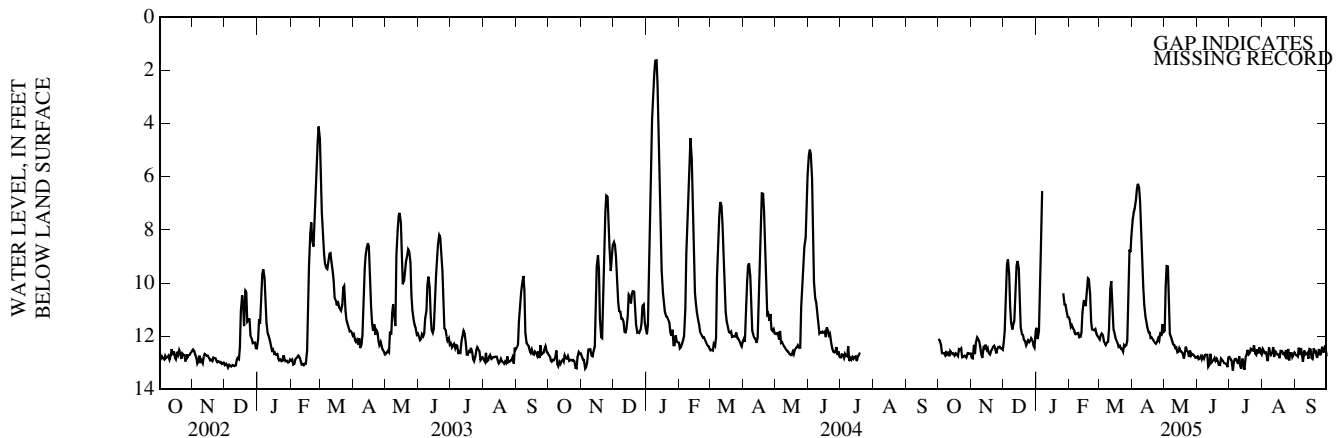
PERIOD OF RECORD.--August 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.63 ft below land-surface datum, Jan. 10, 2004; lowest measured, 14.35 ft below land-surface datum, Oct. 18, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.10	12.82	12.23	11.68	11.38	12.12	7.62	11.79	12.76	12.78	12.47	12.69
2	12.16	12.83	11.80	12.11	11.66	11.97	7.36	10.15	12.86	12.85	12.53	12.71
3	12.34	12.32	10.22	11.80	11.60	11.90	7.21	9.36	12.85	12.91	12.64	12.77
4	12.63	12.67	9.33	9.79	11.70	11.96	6.88	9.37	12.75	13.28	12.61	12.43
5	12.64	12.25	9.11	8.73	11.77	12.19	6.49	10.63	12.86	12.99	12.76	12.71
6	12.63	12.04	9.66	6.55	11.91	12.25	6.27	11.91	12.75	12.86	12.94	12.44
7	12.71	12.11	10.90	---	11.93	12.34	6.41	12.05	12.84	12.85	12.42	12.69
8	12.56	12.17	11.48	---	11.89	12.24	6.93	12.16	12.72	12.92	12.61	12.96
9	12.70	12.44	11.75	---	11.88	12.21	7.89	12.30	12.70	13.05	12.71	12.54
10	12.64	12.68	11.55	---	12.04	11.72	9.01	12.34	12.69	12.76	12.62	12.70
11	12.76	12.82	11.43	---	12.02	10.23	10.16	12.46	13.15	13.12	12.41	12.67
12	12.55	12.42	10.41	---	11.85	9.93	10.80	12.43	13.08	13.23	12.78	12.62
13	12.64	12.45	9.36	---	11.09	10.66	11.27	12.61	12.66	12.84	12.57	12.84
14	12.67	12.32	9.17	---	10.67	11.75	11.47	12.59	13.00	13.05	12.61	12.48
15	12.65	12.51	9.45	---	10.69	11.88	11.68	12.44	12.93	13.26	12.68	12.50
16	12.73	12.46	10.58	---	10.87	12.05	11.86	12.56	12.91	12.79	12.68	12.81
17	12.65	12.64	11.66	---	10.25	12.16	11.86	12.59	12.83	12.69	12.83	12.85
18	12.67	12.70	11.92	---	9.82	12.25	12.07	12.64	12.94	12.52	12.55	12.46
19	12.74	12.57	11.95	---	9.86	12.41	12.05	12.84	12.84	12.68	12.55	12.60
20	12.49	12.51	12.13	---	10.43	12.37	12.12	12.64	12.92	12.64	12.66	12.57
21	12.52	12.39	12.17	---	11.44	12.47	12.16	12.40	13.08	12.48	12.64	12.81
22	12.46	12.36	12.35	---	11.74	12.47	12.25	12.54	13.08	12.53	12.73	12.68
23	12.79	12.47	12.25	---	11.76	12.58	12.29	12.60	12.84	12.54	12.52	12.48
24	12.78	12.65	12.15	---	11.77	12.33	12.22	12.78	12.89	12.34	12.86	12.72
25	12.73	12.48	12.23	---	11.73	12.38	12.07	12.54	12.94	12.65	12.48	12.61
26	12.75	12.41	12.16	10.39	11.93	12.34	12.15	12.73	13.01	12.70	12.91	12.40
27	12.80	12.40	12.07	10.81	11.99	12.18	11.90	12.67	13.02	12.49	12.64	12.59
28	12.65	12.45	12.17	10.82	12.03	10.49	11.94	12.70	13.04	12.65	12.63	12.57
29	12.67	12.46	12.35	11.03	---	8.75	11.55	12.73	13.17	12.42	12.79	12.34
30	12.65	12.52	12.42	11.28	---	8.84	11.84	12.80	12.79	12.60	12.71	12.75
31	12.65	---	11.81	11.29	---	8.21	---	12.80	---	12.68	12.61	---
MAX	12.80	12.83	12.42	---	12.04	12.58	12.29	12.84	13.17	13.28	12.94	12.96
MIN	12.10	12.04	9.11	---	9.82	8.21	6.27	9.36	12.66	12.34	12.41	12.34

WTR YR 2005 HIGH 6.27 LOW 13.28



JEFFERSON COUNTY

381742085402001 WC-13), map number 8.

LOCATION.--Lat 38° 17'42", long 85° 40'20", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 30 ft east of River Road, 300 ft northeast of junction of River Road and Blankenbaker Lane, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in., depth 106 ft, screened 104-106 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 438.87 ft above NGVD of 1929. Measuring point: Top of plug, 3.07 ft above land-surface datum.

PERIOD OF RECORD.--June 1946 to current year. June 1946 to November 1976 published in hydrograph form and on file at the district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.28 ft below land-surface datum, Jan. 18, 1950; lowest measured, 19.75 ft below land-surface datum, Jan. 29, 1954.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	14.48	Aug. 01, 2005	16.34

381827085392401 (WC-26), map number 9.

LOCATION.--Lat 38° 18'27", long 85° 39'24", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 20 ft east of River Road, opposite River Valley Club in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in., depth 130 ft, screened 128-130 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 455.94 ft above NGVD of 1929. Measuring point: Top of plug, 4.68 ft above land-surface datum.

PERIOD OF RECORD.--July 1946 to current year. July 1946 to November 1976 published in hydrograph form and on file at the district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.93 ft below land-surface datum, Jan. 18, 1950; lowest measured, 38.53 ft below land-surface datum, Feb. 3, 1948.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	28.16	Aug. 01, 2005	34.16

381904085384801 (WC-27), map number 10.

LOCATION.--Lat 38° 19'04", long 85° 38'48", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 30 ft west of River Road, 250 ft north of north end of bridge over Goose Creek, in Louisville. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in., depth 96 ft, screened 94-96 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 438.46 ft above NGVD of 1929. Measuring point: Top of plug, 2.29 ft above land-surface datum.

PERIOD OF RECORD.--August 1946 to current year. August 1946 to November 1976 published in hydrograph form and on file at the district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.84 ft above land-surface datum, Jan. 17, 1950; lowest measured, 20.97 ft below land-surface datum, Feb. 3, 1948.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	16.46	Aug. 01, 2005	17.91

GROUND-WATER LEVELS

JEFFERSON COUNTY

381958085380201 (Thompson well), map number 11.

LOCATION.--Lat 38° 19'58", long 85° 38'02", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 6600 Upper River Road, in well house next to drive, near horse barn. Owner: Thompson.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled used water-table well, diameter 6 in., depth 53 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 461.44 above NGVD of 1929. Measuring point: Top of well seal, 7.00 ft below land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.46 ft below land-surface datum, Jan. 25, 2005; lowest measured, 42.05 ft below land-surface datum, Sept. 28, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	31.46	Aug. 01, 2005	40.38

382007085373801 (Bird Man), map number 12.

LOCATION.--Lat 38° 20'07", long 85° 37'38", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 7105 Upper River Road, in well house next to drive, near main house. Owner: Bird Man.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 61.5 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 453.83 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.91 ft below land-surface datum, Jan. 25, 2005; lowest measured, 33.99 ft below land-surface datum, Sept. 28, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	23.91	Aug. 01, 2005	31.86

382016085382601 (LWC-P-4), map number 13.

LOCATION.--Lat 38° 20'16", long 85° 38'26", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, across from 6002 Transylvania Beach Road, 150 ft east of road, in yellow 4 in. square protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 90.6 ft., screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalk tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 431.80 above NGVD of 1929. Measuring point: Top of 2 in. PVC, 3.17 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--August 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, Jan. 25, 2005; lowest measured, 12.41 ft below land-surface datum, Nov. 5, 2003.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	8.14	Aug. 01, 2005	10.87

JEFFERSON COUNTY

382026085374301 (Little Dean), map number 14.

LOCATION.--Lat 38°20'26", long 85°37'43", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 6203 Mason Road, well is next to drive, 50 ft. northwest of house. Owner: Little Dean.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 90 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 460.26 ft above NGVD of 1929. Measuring point: Top of well seal, 1.28 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.12 ft below land-surface datum, Jul. 28, 2004; lowest measured, 34.84 ft below land-surface datum, Sept. 28, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	31.13	Aug. 01, 2005	33.48

382032085375601 (Staples), map number 15.

LOCATION.--Lat 38°20'32", long 85°37'56", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 6301 Mayfair Road, in concrete well pit next to drive, 15ft. north of garage. Owner: Staples.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 73 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 459.07 ft above NGVD of 1929. Measuring point: Top of concrete slab above well casing at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.33 ft below land-surface datum, Jan. 25, 2005; lowest measured, 42.30 ft below land-surface datum, Jan. 04, 2002.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	30.33	Aug. 01, 2005	36.94

382034085381201 (LWC-P-1), map number 16.

LOCATION.--Lat 38°20'34", long 85°38'12", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 500 ft. west of lagoon 4, 400 ft. south of Louisville Water Company gate on Mayfair Ave., in yellow 4 in. square protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 101.8 ft., screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 437.86 ft above NGVD of 1929. Measuring point: Top of 2 in. PVC, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--November 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 12.85 ft. below land-surface datum, May 11, 2004; lowest measured, 19.94 ft below land-surface datum, Nov. 05, 2003.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	13.25	Aug. 01, 2005	15.43

GROUND-WATER LEVELS

JEFFERSON COUNTY

382037085381101. (LWC-P-2), map number 17.

LOCATION.--Lat 382037", long 853811", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 500 ft. west of lagoon 4, 200 ft. south of Louisville Water Company gate on Mayfair Avenue, in yellow 4 in. square protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 102 ft, screen: unknown.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 435.90 ft above NGVD of 1929. Measuring point: Top of 2 in. PVC, 3.01 ft. above land-surface datum.

REMARKS.--Water levels affected by pumping.

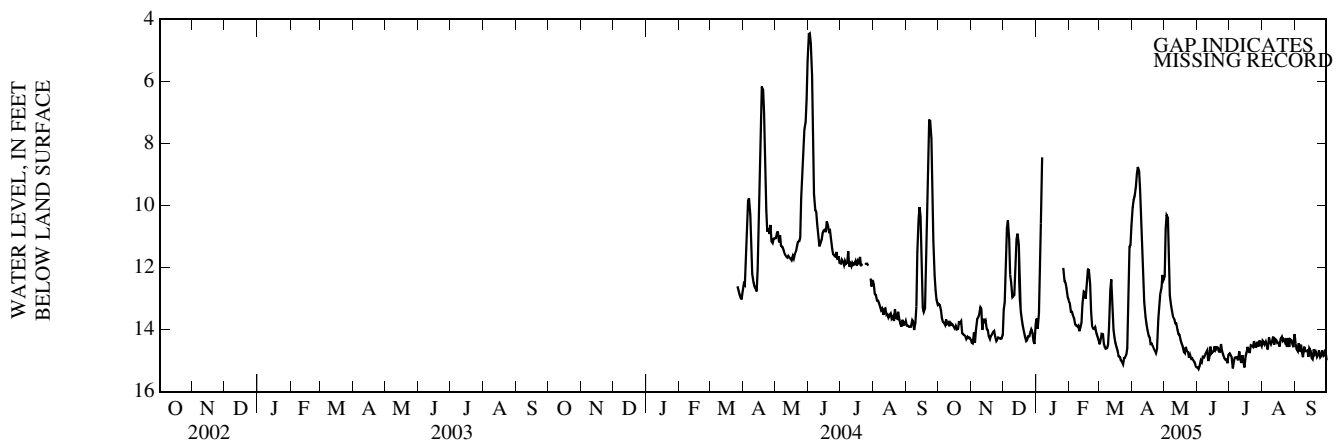
PERIOD OF RECORD.--November 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.46 ft below land-surface datum, Jun. 2, 2004; lowest measured, 18.59 ft below land-surface datum, Nov. 5, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.17	14.42	13.35	13.64	13.12	14.47	10.05	12.29	15.21	14.76	14.35	14.45
2	13.20	14.44	13.12	13.97	13.42	14.31	9.82	10.76	15.27	14.80	14.39	14.62
3	13.39	14.09	11.70	13.47	13.42	14.13	9.70	10.30	15.17	14.86	14.48	14.69
4	13.65	14.42	10.72	11.75	13.53	14.14	9.39	10.38	14.99	15.25	14.39	14.43
5	13.75	14.02	10.48	10.58	13.65	14.46	8.99	11.67	15.04	15.03	14.51	14.70
6	13.78	13.67	11.09	8.45	13.81	14.57	8.76	12.89	14.87	14.91	14.64	14.48
7	13.84	13.62	12.22	---	13.86	14.61	8.89	13.22	14.90	14.89	14.25	14.73
8	13.67	13.52	12.46	---	13.89	14.60	9.47	13.41	14.81	14.90	14.39	14.89
9	13.81	13.28	12.96	---	13.86	14.48	10.40	13.58	14.75	14.99	14.47	14.54
10	13.77	13.33	12.91	---	14.05	13.93	11.44	13.65	14.67	14.70	14.36	14.69
11	13.89	14.01	12.88	---	13.92	12.72	12.46	13.79	15.01	14.94	14.22	14.69
12	13.77	13.65	11.96	---	13.77	12.38	13.11	13.79	14.93	15.07	14.48	14.67
13	13.83	13.74	11.08	---	13.17	13.02	13.58	14.01	14.54	14.82	14.31	14.87
14	13.82	13.70	10.90	---	12.77	14.00	13.81	14.14	14.77	15.02	14.34	14.59
15	13.88	13.98	11.24	---	12.80	14.25	14.00	14.16	14.73	15.22	14.43	14.67
16	13.96	14.01	12.34	---	13.00	14.43	14.19	14.35	14.69	14.85	14.42	14.91
17	13.88	14.19	13.38	---	12.48	14.59	14.25	14.45	14.53	14.73	14.54	14.95
18	14.00	14.30	13.71	---	12.06	14.69	14.46	14.53	14.66	14.56	14.31	14.63
19	13.98	14.19	13.89	---	12.07	14.86	14.45	14.71	14.57	14.71	14.24	14.79
20	13.77	14.16	14.07	---	12.53	14.89	14.52	14.75	14.58	14.72	14.36	14.72
21	13.79	14.07	14.19	---	13.42	14.99	14.61	14.55	14.70	14.50	14.31	14.89
22	13.73	14.04	14.37	---	13.86	15.02	14.68	14.69	14.71	14.52	14.40	14.82
23	14.10	14.21	14.34	---	13.97	15.11	14.75	14.72	14.46	14.56	14.28	14.67
24	14.15	14.37	14.21	---	13.98	14.92	14.62	14.91	14.68	14.37	14.55	14.90
25	14.17	14.32	14.21	---	13.93	14.91	13.66	14.81	14.82	14.56	14.27	14.84
26	14.21	14.26	14.09	12.01	14.13	14.81	13.28	14.95	14.91	14.56	14.55	14.67
27	14.31	14.28	14.00	12.43	14.22	14.60	12.85	14.93	14.96	14.39	14.31	14.84
28	14.22	14.30	14.11	12.48	14.33	13.15	12.65	14.98	14.96	14.54	14.34	14.81
29	14.27	14.29	14.37	12.66	---	11.34	12.23	15.04	15.08	14.35	14.46	14.64
30	14.26	14.16	14.46	12.96	---	11.29	12.40	15.14	14.81	14.43	14.57	14.99
31	14.32	---	13.80	13.05	---	10.66	---	15.20	---	14.52	14.14	---
MAX	14.32	14.44	14.46	---	14.33	15.11	14.75	15.20	15.27	15.25	14.64	14.99
MIN	13.17	13.28	10.48	---	12.06	10.66	8.76	10.30	14.46	14.35	14.14	14.43

WTR YR 2005 HIGH 8.45 LOW 15.27



GROUND-WATER LEVELS

JEFFERSON COUNTY

382038085382001 (Scott), map number 18.

LOCATION.--Lat 38°20'38", long 85°38'20", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 6410 Transylvania Beach Road in side yard 20 ft south of house. Owner: Resident.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 50 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 437.23 ft above NGVD of 1929 . Measuring point: Top of 6 in. steel casing, 1.17 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--September 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.97ft below land-surface datum, Jan. 25, 2005; lowest measured, 18.79 ft below land-surface datum, Nov. 5, 2003.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 25, 2005	14.97	Aug.01, 2005	16.70

GROUND-WATER LEVELS

JEFFERSON COUNTY

382039085375201. (WP-7), map number 19.

LOCATION.--Lat 38°20'39", long 85°37'52", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Louisville Water Company B.E. Payne treatment plant. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2.0 in., depth 83.5 ft, screen: unknown.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 462.66 ft NGVD of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

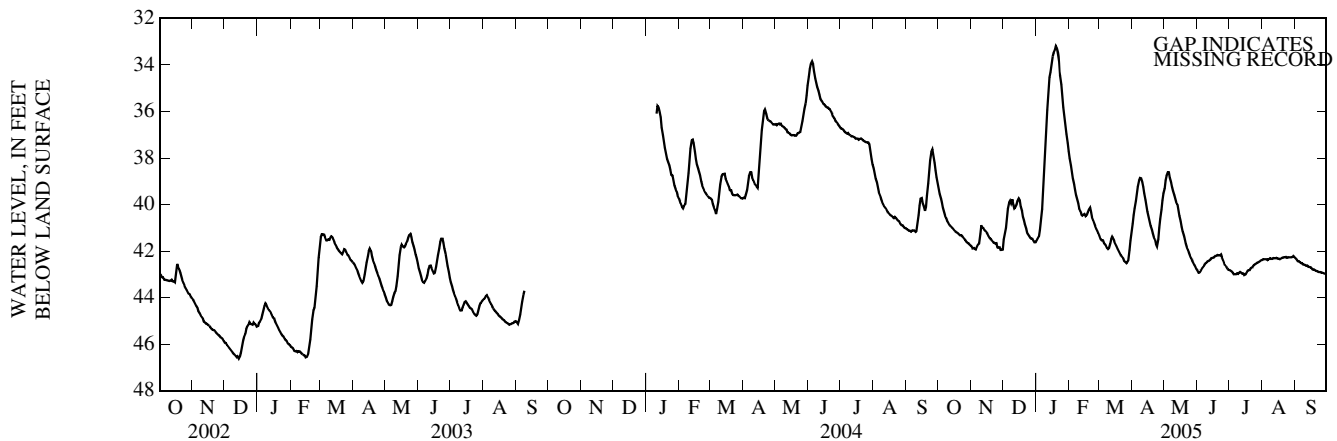
PERIOD OF RECORD.--December 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.18 ft below land-surface datum, Jan. 19, 2005; lowest measured, 48.10 ft below land-surface datum, Jan. 15, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.32	41.80	41.49	41.55	38.02	41.39	40.82	39.30	42.84	42.82	42.38	42.30
2	39.55	41.88	41.27	41.47	38.31	41.48	40.45	38.95	42.92	42.84	42.35	42.35
3	39.75	41.86	41.00	41.37	38.61	41.53	40.16	38.76	42.93	42.87	42.35	42.43
4	39.93	41.91	40.56	41.10	38.88	41.53	39.85	38.60	42.85	42.92	42.34	42.43
5	40.15	41.93	40.18	40.69	39.13	41.65	39.53	38.60	42.76	42.99	42.35	42.47
6	40.34	41.80	39.91	40.19	39.38	41.70	39.22	38.85	42.70	42.99	42.39	42.51
7	40.49	41.72	39.84	39.40	39.59	41.74	38.96	39.05	42.64	42.99	42.34	42.51
8	40.57	41.67	39.95	38.59	39.80	41.87	38.85	39.25	42.57	42.95	42.31	42.57
9	40.69	41.26	39.78	37.65	39.95	41.90	38.86	39.41	42.51	42.98	42.33	42.58
10	40.78	40.89	40.01	36.82	40.18	41.86	39.03	39.59	42.45	42.92	42.33	42.60
11	40.86	40.98	40.18	35.94	40.29	41.67	39.24	39.75	42.43	42.90	42.29	42.64
12	40.92	41.01	40.10	35.16	40.43	41.48	39.51	39.90	42.41	42.93	42.30	42.62
13	40.97	41.10	40.00	34.52	40.48	41.37	39.80	40.00	42.37	42.98	42.30	42.67
14	41.01	41.14	39.84	34.31	40.44	41.46	40.07	40.24	42.31	42.97	42.29	42.68
15	41.07	41.20	39.73	33.94	40.41	41.61	40.31	40.49	42.29	43.03	42.32	42.69
16	41.14	41.27	39.80	33.64	40.49	41.69	40.54	40.73	42.28	43.01	42.32	42.73
17	41.17	41.36	40.08	33.48	40.43	41.79	40.72	40.96	42.23	42.94	42.35	42.79
18	41.20	41.45	40.27	33.35	40.32	41.89	40.91	41.15	42.21	42.85	42.33	42.79
19	41.23	41.48	40.53	33.18	40.23	41.98	41.08	41.33	42.20	42.82	42.30	42.82
20	41.28	41.55	40.67	33.26	40.14	42.09	41.24	41.50	42.17	42.81	42.28	42.84
21	41.31	41.62	40.85	33.57	40.32	42.17	41.40	41.68	42.18	42.75	42.27	42.85
22	41.32	41.63	41.03	33.85	40.54	42.24	41.51	41.83	42.18	42.70	42.27	42.88
23	41.34	41.67	41.20	34.45	40.68	42.31	41.70	41.95	42.14	42.66	42.25	42.89
24	41.41	41.66	41.27	34.84	40.81	42.41	41.79	42.08	42.26	42.61	42.29	42.90
25	41.48	41.84	41.35	35.31	40.93	42.45	41.50	42.20	42.40	42.57	42.27	42.93
26	41.52	41.85	41.42	35.81	41.05	42.52	41.00	42.31	42.51	42.54	42.26	42.93
27	41.59	41.84	41.47	36.30	41.13	42.49	40.62	42.41	42.61	42.50	42.27	42.95
28	41.64	41.95	41.47	36.64	41.23	42.41	40.22	42.49	42.68	42.48	42.26	42.96
29	41.66	41.95	41.55	36.97	---	41.96	39.81	42.59	42.75	42.45	42.25	42.97
30	41.71	41.93	41.62	37.36	---	41.55	39.53	42.66	42.80	42.41	42.21	42.98
31	41.77	---	41.62	37.71	---	41.23	---	42.76	---	42.39	42.26	---
MAX	41.77	41.95	41.62	41.55	41.23	42.52	41.79	42.76	42.93	43.03	42.39	42.98
MIN	39.32	40.89	39.73	33.18	38.02	41.23	38.85	38.60	42.14	42.39	42.21	42.30

WTR YR 2005 HIGH 33.18 LOW 43.03



JEFFERSON COUNTY

382051085380801. (LWC-1), map number 20.

LOCATION.--Lat 38°20'51", long 85°37'08", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Louisville.

Water Company B.E. Payne treatment plant, 300 ft. west of lagoon #2, 1000 ft. north of Mayfair road, along treeline. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 76.5 ft, screened: 66-67 ft.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 434.26 ft NGVD of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

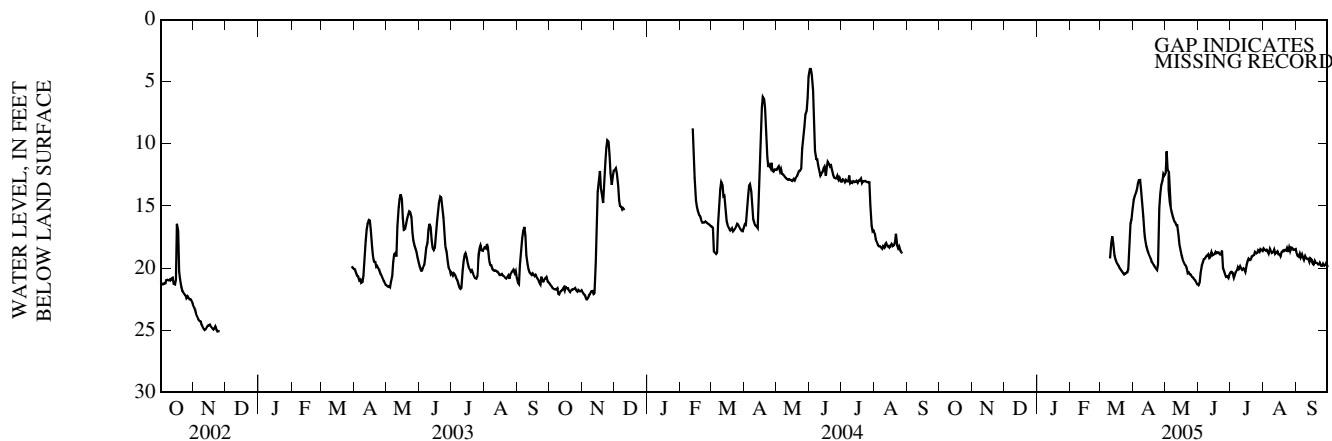
PERIOD OF RECORD.--March 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.95 ft below land-surface datum, Jun. 2, 2004; lowest measured, 25.19 ft below land-surface datum, Nov. 26, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	14.54	12.38	21.39	20.34	18.44	18.80
2	---	---	---	---	---	---	14.23	10.61	21.22	20.30	18.53	19.01
3	---	---	---	---	---	---	14.05	12.05	20.42	20.40	18.61	19.11
4	---	---	---	---	---	---	13.69	12.25	19.79	20.81	18.53	18.86
5	---	---	---	---	---	---	13.22	13.74	19.57	20.56	18.69	19.17
6	---	---	---	---	---	---	12.94	15.21	19.30	20.31	18.85	18.92
7	---	---	---	---	---	---	12.90	15.64	19.26	20.18	18.44	19.16
8	---	---	---	---	---	---	13.71	15.93	19.13	19.93	18.62	19.36
9	---	---	---	---	---	---	14.72	16.19	18.99	20.07	18.79	19.01
10	---	---	---	---	---	19.22	15.85	16.35	18.88	19.84	18.71	19.21
11	---	---	---	---	---	17.97	17.01	16.54	19.19	20.02	18.54	19.27
12	---	---	---	---	---	17.45	17.74	16.55	19.12	20.16	18.86	19.25
13	---	---	---	---	---	18.00	18.30	17.35	18.73	20.03	18.74	19.50
14	---	---	---	---	---	19.00	18.57	18.12	18.99	20.12	18.66	19.24
15	---	---	---	---	---	19.31	18.79	18.51	18.94	20.30	18.88	19.32
16	---	---	---	---	---	19.52	19.01	19.01	18.88	19.74	18.88	19.63
17	---	---	---	---	---	19.69	19.19	19.30	18.70	19.47	19.04	19.73
18	---	---	---	---	---	19.83	19.51	19.48	18.81	19.26	18.74	19.41
19	---	---	---	---	---	20.02	19.61	19.73	18.74	19.39	18.60	19.60
20	---	---	---	---	---	20.12	19.76	19.81	18.73	19.34	18.67	19.58
21	---	---	---	---	---	20.26	19.89	20.06	18.90	19.07	18.55	19.73
22	---	---	---	---	---	20.37	20.05	20.44	18.91	19.02	18.58	19.71
23	---	---	---	---	---	20.51	20.15	20.37	18.60	18.97	18.39	19.57
24	---	---	---	---	---	20.44	19.72	20.51	20.01	18.70	18.70	19.82
25	---	---	---	---	---	20.45	15.18	20.54	20.32	18.84	18.36	19.81
26	---	---	---	---	---	20.36	14.05	20.72	20.54	18.80	18.63	19.65
27	---	---	---	---	---	20.11	13.35	20.77	20.71	18.58	18.35	19.81
28	---	---	---	---	---	18.76	12.97	20.91	20.67	18.71	18.38	19.76
29	---	---	---	---	---	16.41	12.39	21.01	20.81	18.47	18.52	19.59
30	---	---	---	---	---	16.10	12.55	21.17	20.53	18.55	18.52	19.94
31	---	---	---	---	---	15.37	---	21.31	---	18.63	18.49	---
MAX	---	---	---	---	---	---	20.15	21.31	21.39	20.81	19.04	19.94
MIN	---	---	---	---	---	---	12.39	10.61	18.60	18.47	18.35	18.80

WTR YR 2005 HIGH 10.61 LOW 21.39



GROUND-WATER LEVELS

JEFFERSON COUNTY

382053085381301 (LWC-3B), map number 21.

LOCATION.--Lat 38°20'53", long 85°38'13", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, 800 ft south of collector well, 30 ft west of gravel road, in 6 in protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in., depth 85.8 ft., screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 436.29 ft. above NGVD of 1929. Measuring point: Top of PVC casing 1.90 ft. above land-surface.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--July 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.67 ft below land-surface datum, Jul. 28, 2004; lowest measured, 22.22 ft below land-surface datum, Aug. 27, 2004.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	20.96	Aug. 02, 2005	21.76

JEFFERSON COUNTY

382054085380602. (LWC-7A), map number 22.

LOCATION.--Lat 38°20'54", long 85°38'06", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Louisville Water Company B.E. Payne treatment plant, in field 1000 ft. southeast of collector well, inside 6 in. steel protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in., depth 82.7 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 431.99 ft above NGVD of 1929. Measuring point: Top of PVC casing 2.01 ft. above land-surface datum.

REMARKS.--Water levels affected by pumping.

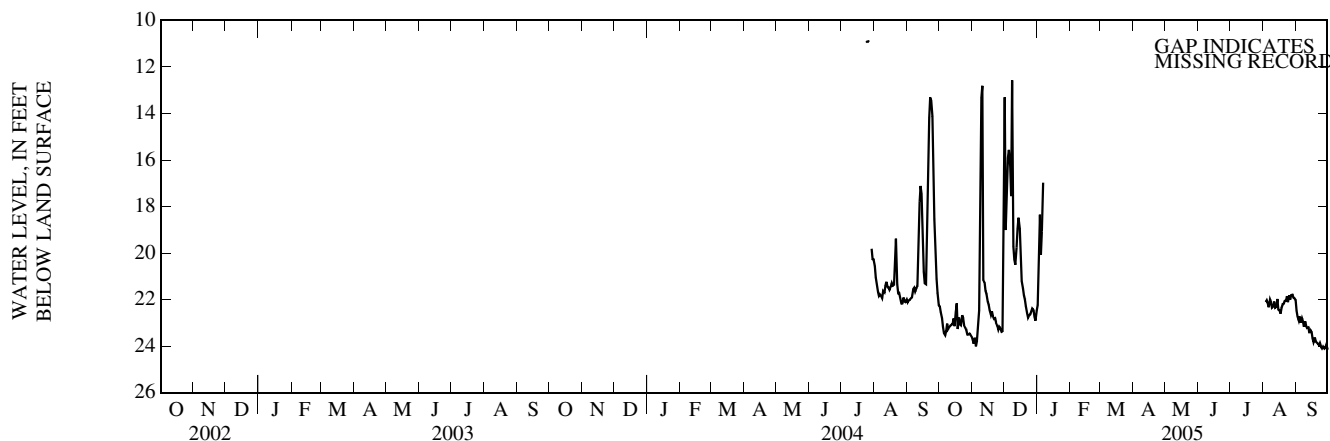
PERIOD OF RECORD.--July 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft below land-surface datum, Jul. 28, 2004; lowest measured, 22.20 ft below land-surface datum, Aug. 27, 2004.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.28	23.73	13.30	22.23	---	---	---	---	---	---	---	22.48
2	22.53	23.90	19.01	20.99	---	---	---	---	---	---	---	22.72
3	22.80	23.63	17.43	18.35	---	---	---	---	---	---	22.10	22.91
4	23.16	24.00	15.89	20.07	---	---	---	---	---	---	22.04	22.72
5	23.43	23.78	15.56	19.07	---	---	---	---	---	---	22.16	22.98
6	23.52	22.96	16.25	16.98	---	---	---	---	---	---	22.32	22.81
7	23.35	22.46	17.56	---	---	---	---	---	---	---	21.99	22.94
8	23.03	17.94	12.57	---	---	---	---	---	---	---	22.11	23.16
9	23.27	13.32	19.72	---	---	---	---	---	---	---	22.34	22.93
10	23.17	12.81	20.28	---	---	---	---	---	---	---	22.28	23.12
11	23.12	21.15	20.50	---	---	---	---	---	---	---	22.08	23.22
12	23.09	21.25	19.76	---	---	---	---	---	---	---	22.35	23.19
13	23.06	21.62	18.96	---	---	---	---	---	---	---	22.31	23.44
14	22.81	21.76	18.48	---	---	---	---	---	---	---	21.97	23.30
15	23.14	22.09	18.94	---	---	---	---	---	---	---	22.42	23.39
16	22.53	22.23	20.08	---	---	---	---	---	---	---	22.46	23.67
17	22.16	22.47	21.20	---	---	---	---	---	---	---	22.60	23.83
18	23.26	22.65	21.51	---	---	---	---	---	---	---	22.36	23.63
19	22.76	22.51	21.82	---	---	---	---	---	---	---	22.19	23.80
20	23.05	22.70	22.00	---	---	---	---	---	---	---	22.18	23.84
21	23.10	22.83	22.28	---	---	---	---	---	---	---	22.05	23.90
22	22.67	22.81	22.59	---	---	---	---	---	---	---	22.04	23.95
23	22.80	22.98	22.78	---	---	---	---	---	---	---	21.84	23.87
24	23.09	23.12	22.69	---	---	---	---	---	---	---	22.11	24.05
25	23.21	23.29	22.63	---	---	---	---	---	---	---	21.80	24.10
26	23.31	23.16	22.50	---	---	---	---	---	---	---	22.00	24.02
27	23.50	23.25	22.38	---	---	---	---	---	---	---	21.80	24.10
28	23.49	23.38	22.45	---	---	---	---	---	---	---	21.79	24.06
29	23.46	23.36	22.74	---	---	---	---	---	---	---	21.92	23.94
30	23.50	19.49	22.90	---	---	---	---	---	---	---	21.93	24.16
31	23.59	---	22.46	---	---	---	---	---	---	---	22.01	---
MAX	23.59	24.00	22.90	---	---	---	---	---	---	---	---	24.16
MIN	22.16	12.81	12.57	---	---	---	---	---	---	---	---	22.48

WTR YR 2005 HIGH 12.57 LOW 24.16



GROUND-WATER LEVELS

JEFFERSON COUNTY

382057085380801 (LWC-2B), map number 23.

LOCATION.--Lat 38°20'57", long 85°38'08", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Louisville Water Company B.E. Payne treatment plant, in field 300 ft. southeast of collector well, inside 6 in. steel protective casing. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in., depth 82.1 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 432.59 ft above NGVD of 1929. Measuring point: Top of PVC casing 2.13 ft. above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--November 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft below land-surface datum, May 11, 2004; lowest measured, 29.95 ft below land-surface datum, Jan. 26, 2005.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	29.95	Aug. 02, 2005	28.40

382058085373501 (Shirley Avenue), map number 24.

LOCATION.--Lat 38°20'58", long 85°37'35", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 6401 Shirley Avenue, 50 ft. to rear of house. Owner: Resident.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 45 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 463.40 ft above NGVD of 1929. Measuring point: Under hand pump thru hole in side of casing, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--July 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.36 ft below land-surface datum, Jul. 28, 2004; lowest measured, 44.03 ft below land-surface datum, Mar. 26, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	38.53	Aug. 02, 2005	41.34

382102085380701 (WP-19), map number 25.

LOCATION.--Lat 38°21'02", long 85°38'07", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Louisville Water Company B.E. Payne treatment plant, 200 ft. east of collector well. Owner: Louisville Water Company.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 106 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 434.48 ft above NGVD of 1929. Measuring point: Top of casing, 2.28 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.25 ft below land-surface datum, Mar. 1, 1999; lowest measured, 49.70 ft below land-surface datum, Mar. 26, 2001.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	40.99	Mar. 09, 2005	44.62
Mar. 02, 2005	44.47	Aug. 02, 2005	37.35

JEFFERSON COUNTY

382105085375101. (Hays-Kennedy), map number 26.

LOCATION.--Lat 38°21'05", long 85°37'51", Hydrologic Unit 05140101. County Code 111, Jeffersonville quadrangle, at Hays Kennedy Park, 20 ft. south of Bass Road, along west edge of parking lot for picnic shelter. Owner: County Parks Dept.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 1120TSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 76.5 ft, screened: 66-76 ft.

INSTRUMENTATION.--Continuous recorder, 30 minute interval.

DATUM.--Elevation of land-surface datum is 439.68 ft above NGVD of 1929. Measuring point: Top of casing, 0.27 ft below land-surface datum.

REMARKS.--Water levels affected by pumping.

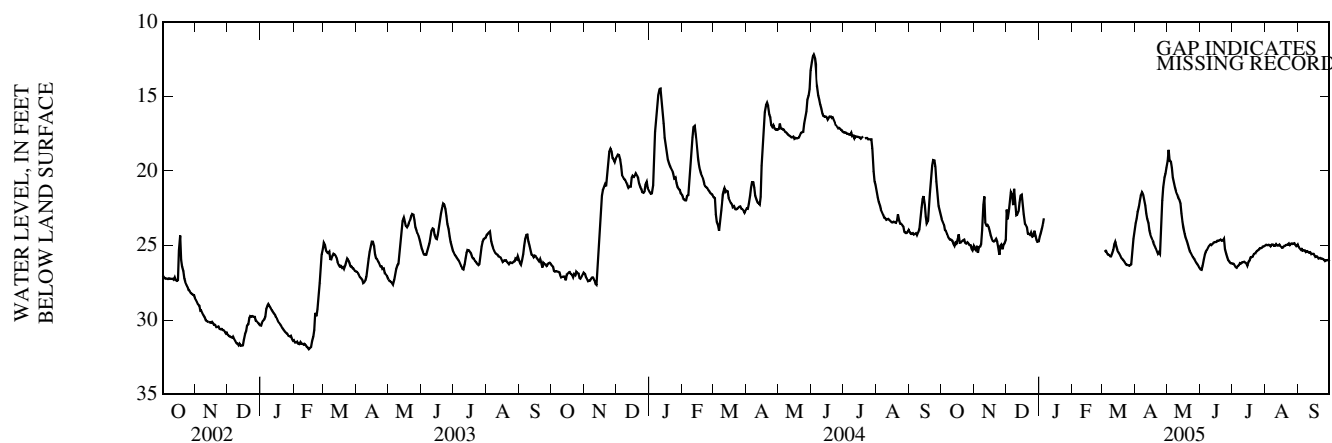
PERIOD OF RECORD.--March 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.20 ft below land-surface datum, Jun. 6, 2004; lowest measured, 32.04 ft below land-surface datum, Feb. 14, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.24	25.21	22.60	24.41	---	---	23.49	19.31	26.60	26.20	25.00	25.10
2	23.39	25.30	23.23	24.20	---	---	23.20	18.58	26.64	26.22	24.96	25.19
3	23.61	25.03	22.61	23.87	---	25.42	22.76	19.31	26.37	26.30	24.97	25.30
4	23.97	25.50	21.96	23.55	---	25.36	22.40	19.37	25.92	26.45	24.95	25.23
5	24.02	25.12	21.39	23.18	---	25.47	21.98	19.77	25.63	26.50	24.99	25.34
6	24.22	25.08	21.59	---	---	25.59	21.65	20.45	25.43	26.40	25.06	25.32
7	24.41	24.92	22.30	---	---	25.62	21.41	20.84	25.29	26.33	24.94	25.33
8	24.52	24.02	21.19	---	---	25.73	21.54	21.14	25.16	26.17	24.94	25.45
9	24.62	22.27	22.25	---	---	25.73	21.86	21.36	25.04	26.21	25.03	25.38
10	24.62	21.70	22.97	---	---	25.55	22.32	21.59	24.94	26.12	25.02	25.43
11	24.68	23.46	22.93	---	---	25.29	22.85	21.79	24.97	26.11	24.92	25.49
12	24.88	23.66	22.73	---	---	24.93	23.22	21.91	24.92	26.10	25.00	25.46
13	25.01	23.62	22.11	---	---	24.77	23.51	22.18	24.82	26.15	25.00	25.58
14	24.81	23.72	21.67	---	---	25.11	24.02	22.86	24.79	26.20	24.94	25.55
15	24.86	24.05	21.60	---	---	25.33	24.27	23.40	24.76	26.35	25.05	25.56
16	24.56	24.34	22.27	---	---	25.46	24.48	23.87	24.76	26.07	25.14	25.67
17	24.25	24.53	22.89	---	---	25.57	24.65	24.22	24.68	26.01	25.15	25.77
18	24.80	24.69	23.54	---	---	25.70	24.87	24.48	24.67	25.80	25.08	25.72
19	24.80	24.74	23.62	---	---	25.86	25.04	24.72	24.66	25.77	25.01	25.79
20	24.72	24.70	23.76	---	---	25.94	25.20	24.93	24.62	25.74	24.99	25.89
21	24.65	24.56	24.21	---	---	26.02	25.37	25.16	24.67	25.61	24.96	25.84
22	24.61	24.75	24.23	---	---	26.12	25.56	25.39	24.68	25.54	24.95	25.88
23	24.82	25.08	24.29	---	---	26.27	25.45	25.52	24.57	25.48	24.88	25.87
24	24.86	25.63	24.13	---	---	26.29	25.56	25.64	25.25	25.38	24.98	25.92
25	24.79	25.05	24.41	---	---	26.33	23.45	25.78	25.58	25.32	24.87	25.96
26	24.84	24.96	24.38	---	---	26.37	21.97	25.90	25.80	25.28	24.92	26.06
27	24.96	25.25	24.00	---	---	26.33	21.08	26.01	25.98	25.18	24.88	25.99
28	24.97	24.94	24.36	---	---	26.26	20.44	26.13	26.07	25.17	24.85	25.99
29	25.21	24.88	24.63	---	---	25.37	20.19	26.26	26.18	25.10	24.95	25.97
30	25.33	24.63	24.74	---	---	24.54	19.77	26.36	26.20	25.06	25.04	26.05
31	25.04	---	24.71	---	---	24.11	---	26.49	---	25.05	24.94	---
MAX	25.33	25.63	24.74	---	---	---	25.56	26.49	26.64	26.50	25.15	26.06
MIN	23.24	21.70	21.19	---	---	---	19.77	18.58	24.57	25.05	24.85	25.10

WTR YR 2005 HIGH 18.58 LOW 26.64



GROUND-WATER LEVELS

JEFFERSON COUNTY

382120085374701. (River Fields), map number 27.

LOCATION.--Lat 38°21'20", long 85°37'47", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at Garvin-Brown Preserve, 1000 ft. north of Bass Road, along tree line separating Garvin-Brown Preserve from Hays-Kennedy Park. Owner: River Fields.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 71.5 ft, screened: 61-71 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 440.05 ft above NGVD of 1929. Measuring point: Top of casing, 0.19 ft below land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--May 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.99 ft below land-surface datum, Jan. 26, 2005; lowest measured, 23.76 ft below land-surface datum, Jan. 04, 2002.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	16.99	Aug. 01, 2005	21.14

382124085375401. (Abell), map number 28.

LOCATION.--Lat 38°21'24", long 85°37'54", Hydrologic Unit 05140101, County Code 111, Jeffersonville quadrangle, at 7222 Beechland Road, in well pit 200 ft. east of road Owner: Abell.

AQUIFER.--Glacial sand and gravel of Quaternary age. Aquifer code: 112OTSH.

WELL CHARACTERISTICS.--Drilled used water-table well, diameter 4 in., depth 45 ft, screen: unknown.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 438.58 ft above NGVD of 1929. Measuring point: Top of well seal 3.66 ft below land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--March 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.04 ft below land-surface datum, Mar. 28, 2002; lowest measured, 20.81 ft below land-surface datum, Jan. 04, 2002.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Water Level	Date	Water Level
Jan. 26, 2005	16.58	Aug. 01, 2005	19.26

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CHEMICAL QUALITY OF PRECIPITATION

381353085401801 - SENECA PARK NEAR ST MATTHEWS, JEFFERSON COUNTY, KY

(National Atmospheric Deposition Program network station)

LOCATION.--Lat 38°13'53", Long 85°40'18", Jefferson County, Hydrologic Unit 05140101, at Seneca Park Golf Course, 0.5 mi northwest of Bowman Field Airport.

PERIOD OF RECORD.--October 2003 to current year.

INSTRUMENTATION.--Wet/dry precipitation collector, weighing bucket type recording rain gage.

REMARKS.--Samples collected on weekly basis by observer.

COOPERATION.--Chemical quality data were provided by the National Atmospheric Deposition Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Atm dep wet, liters (83177)	Precip- itation total for defined period, inches (00193)	pH, wet atm dep unfltrd field, std units (83106)	Specif. conduc- tance, wet dep unfltrd field, uS/cm (83154)	Calcium wet atm dep fltrd, mg/L (82932)	Magnes- ium, wet atm dep fltrd, mg/L (83002)	Potas- sium, wet atm dep fltrd, mg/L (83120)	Sodium, wet atm dep fltrd, mg/L (83138)	Chlor- ide, wet atm dep fltrd, mg/L (82944)	Sulfate wet atm dep fltrd, mg/L (83160)	Ammonia wet atm dep fltrd, mg/L as NH4 (83047)	Nitrate wet atm dep fltrd, mg/L (83071)	Ortho- phos- phate, wet atm dep fltrd, mg/L (83111)
OCT 12-19	9.139	4.59	4.83	11.8	0.09	0.01	0.02	0.04	0.07	1.15	0.200	0.75	<0.009
OCT 19-26	1.170	0.67	4.73	15.7	.08	.01	.01	.03	.07	1.76	.330	.77	<.009
OCT 26-NOV 02	2.595	1.48	4.73	16.5	.06	.01	.02	.06	.10	1.51	.180	.82	<.009
NOV 02-09	3.134	1.79	4.81	12.1	.03	M	M	.02	.07	1.15	.110	.42	<.009
NOV 09-16	3.313	1.91	4.72	16.1	.03	.01	.01	.08	.16	1.32	.140	.69	<.009
NOV 16-23	1.562	.89	4.64	32.8	.16	.03	.01	.06	.13	2.94	.290	1.70	<.009
NOV 23-30	1.575	.94	4.60	14.8	.08	.01	.01	.02	.08	1.33	.220	.97	<.009
NOV 30-DEC 07	2.118	1.21	4.70	14.2	.09	.01	.01	.01	.04	1.18	.180	.81	.025
DEC 07-14	0.909	.52	4.47	20.3	.18	.02	.01	.01	.13	2.07	.310	1.12	<.009
DEC 14-21	3.812	2.45	4.56	14.9	.07	.01	.01	.11	.20	1.07	.120	.94	<.009
DEC 21-28													
DEC 28 2004-													
JAN 04 2005	3.649	2.11	--	--	.07	.03	.02	.24	.38	1.66	.250	.94	<.009
JAN 04-11	3.746	2.15	--	--	.07	.03	.02	.26	.40	1.75	.310	1.20	<.009
JAN 11-18	.916	.53	--	--	.10	.02	.01	.07	.12	1.01	.100	.49	<.009
JAN 18-25	.050	.03	--	--	1.18	.15	.45	.82	2.01	4.42	1.99	7.79	<.009
JAN 25-FEB 01	.903	.51	--	--	.04	M	.01	.10	.19	0.84	.160	.93	<.009
FEB 01-08	1.597	.91	--	--	.11	.02	.01	.12	.23	1.92	.200	1.26	<.009
FEB 08-15	1.287	.75	--	--	.06	.01	.01	.02	.07	1.29	.210	1.00	<.009
FEB 15-22	.483	.28	--	--	.30	.02	.03	.04	.16	2.78	.590	2.00	<.009
FEB 22-MAR 01	.695	.39	--	--	.15	.02	.01	.04	.29	3.23	.560	2.93	<.009
MAR 01-08	.616	.35	--	--	.65	.07	.04	.16	.21	3.11	1.18	2.67	<.009
MAR 08-15	.493	.28	--	--	.48	.05	.01	.07	.17	2.01	.720	1.38	<.009
MAR 15-22	.199	.11	--	--	.65	.07	.08	.23	.38	4.63	1.23	4.89	<.009
MAR 22-29	4.452	2.58	--	--	.13	.01	.01	.02	.10	2.52	.300	1.53	<.009
MAR 29-APR 05	.595	.34	--	--	.52	.06	.04	.24	.31	2.42	.480	1.69	<.009
APR 05-12	.273	--	--	--	.29	.05	.05	.04	.11	2.05	.450	2.22	<.009
APR 12-19	.980	.57	--	--	.13	.01	.03	.03	.11	2.01	.280	1.10	<.009
APR 19-26	1.901	1.10	--	--	.82	.15	.18	.04	.08	2.27	.690	1.29	<.009

381353085401801 - SENECA PARK NEAR ST MATTHEWS, JEFFERSON COUNTY, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Atm dep wet, liters (83177)	Precip- itation total for defined period, inches (00193)	Calcium wet atm dep fltrd, mg/L (82932)	Magnes- ium, wet atm dep fltrd, mg/L (83002)	Potas- sium, wet atm dep fltrd, mg/L (83120)	Sodium, wet atm dep fltrd, mg/L (83138)	Chlor- ide, wet atm dep fltrd, mg/L (82944)	Sulfate wet atm dep fltrd, mg/L (83160)	Ammonia wet atm dep fltrd, mg/L as NH4 (83047)	Nitrate wet atm dep fltrd, mg/L (83071)	Ortho- phos- phate, wet atm dep fltrd, mg/L (83111)
APR 26- MAY 03	2.803	1.62	0.16	0.02	0.01	0.02	0.07	1.74	0.290	1.19	<0.009
MAY 03-10	0.296	0.50	.28	.06	.04	.04	.07	1.02	.380	0.92	<.009
MAY 10-17	2.485	1.45	.13	.01	.02	.03	.13	2.97	.520	1.36	<.009
MAY 24-31	.167	.10	.94	.12	.05	.02	.13	5.00	1.98	3.73	<.009
MAY 31- JUN 07	1.376	.84	.15	.02	.02	.01	.05	2.27	.440	1.14	<.009
JUN 07-14	2.046	1.16	.09	.02	.02	.04	.08	1.06	.270	.73	<.009
JUN 14-21	.044	.03	1.22	.21	.10	.28	.38	3.83	.720	3.17	<.009
JUN 21-28	.445	.27	.27	.04	.02	.02	.08	2.74	.550	1.49	<.009
JUN 28- JUL 05	.948	.54	1.19	.18	.29	.03	.62	9.96	1.16	3.90	.022
JUL 05-12	.923	.54	.20	.04	.05	.10	.18	1.40	.430	.85	<.009
JUL 12-19	2.069	1.19	.17	.03	.03	.01	.08	4.27	.650	1.71	<.009
JUL 19-26	1.635	.95	.27	.04	.02	.04	.07	3.06	.300	1.39	<.009
AUG 02-09	.118	.07	3.01	.33	.04	.04	.34	10.6	1.32	4.49	<.009
AUG 09-16	1.038	.63	.46	.06	.05	.09	.24	4.45	.590	1.87	<.009
AUG 16-23	1.454	.82	.15	.02	.02	.03	.18	3.98	.380	1.38	<.009
AUG 23-30	4.874	2.78	.04	.01	.01	.01	.04	2.25	.250	.72	<.009
AUG 30- SEP 06	4.683	2.72	.02	M	.01	.01	.03	0.58	.100	.25	<.009
SEP 06-13	1.252	.73	.94	.09	.04	.02	.17	8.86	1.25	3.16	<.009
SEP 13-20	1.201	.70	.15	.02	.02	.05	.11	2.79	.400	1.27	<.009
SEP 20-27	.724	.43	.24	.04	.04	.12	.24	1.18	.260	.98	<.009
SEP 27- OCT 04	.272	.16	.13	.02	.01	.01	.03	1.23	.160	.86	<.009

M--Presence of material verified but not quantified.

<--Numeric result is less than the value shown.

CHEMICAL QUALITY OF PRECIPITATION

380706083324900 - CLARK STATE FISH HATCHERY, ROWAN COUNTY, KY

(National Atmospheric Deposition Program network station)

LOCATION.--Lat 38°06'58", Long 83°33'18", Rowan County, Hydrologic Unit 05100101, at Clark State Fish Hatchery, 0.9 mi southwest of Clark State Fish Hatchery office, 1.2 mi west of Cave Run Reservoir Dam.

PERIOD OF RECORD.--September 1983 to current year.

INSTRUMENTATION.--Wet/dry precipitation collector, weighing bucket type recording rain gage.

REMARKS.--Samples collected on weekly basis by observer.

COOPERATION.--Chemical quality data were provided by the National Atmospheric Deposition Program.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Atm dep wet, liters (83177)	Precipitation total for defined period, inches (00193)	pH, wet atm dep unfltrd field, std units (83106)	Specif. conductance, wet dep unfltrd field, uS/cm (83154)	Calcium wet atm dep fltrd, mg/L (82932)	Magnesium, wet atm dep fltrd, mg/L (83002)	Potassium, wet atm dep fltrd, mg/L (83120)	Sodium, wet atm dep fltrd, mg/L (83138)	Chloride, wet atm dep fltrd, mg/L (82944)	Sulfate wet atm dep fltrd, mg/L (83160)	Ammonia wet atm dep fltrd, mg/L as NH4 (83047)	Nitrate wet atm dep fltrd, mg/L (83071)	Orthophosphate, wet atm dep fltrd, mg/L (83111)
OCT 12-19	7.805	4.90	4.92	9.0	0.10	0.02	0.23	0.03	0.06	1.00	0.170	0.58	0.016
OCT 19-26	0.871	0.47	5.10	9.1	.09	.01	.02	.04	.06	1.19	.160	.71	<.009
OCT 26-NOV 02	.964	.58	4.40	23.0	.11	.02	.01	.09	.17	2.35	.200	1.47	<.009
NOV 02-09	2.596	1.52	4.87	5.1	.02	.01	M	.04	.07	0.72	.060	.39	<.009
NOV 09-16	1.617	.95	4.37	16.1	.08	.02	.01	.10	.23	1.86	.130	1.41	<.009
NOV 16-23	.949	.50	6.18	14.4	1.39	.14	.33	.27	.29	2.35	2.12	1.40	1.26
NOV 23-30	1.572	.85	5.16	6.2	.03	M	.01	.01	.03	.65	.090	.75	<.009
NOV 30-DEC 07	2.057	1.40	5.37	12.1	.16	.08	.73	.03	.13	1.47	.680	.81	.672
DEC 07-14	1.728	1.69	5.07	11.9	.11	.06	.35	.06	.06	1.10	.170	1.03	.052
DEC 14-21	1.160	.72	5.12	20.5	.26	.24	3.90	.31	.64	1.61	<.020	<.01	.300
JAN 21-28	.911	.65	--	--	.20	.04	.04	.18	.28	1.82	.150	1.24	<.009
JAN 28-31	.709	.35	--	--	.55	.04	.04	.09	.22	3.26	1.55	6.70	<.009
FEB 01-08	1.413	.75	--	--	.17	.05	.44	.12	.10	1.21	1.16	.77	.875
FEB 08-15	.553	.37	--	--	.08	.02	.02	.10	.20	1.68	.140	1.53	<.009
FEB 15-22	1.368	.80	--	--	.04	.01	.01	.01	.09	1.69	.190	1.13	<.009
FEB 22-29	1.750	1.00	--	--	.05	.01	.01	.02	.06	2.09	.310	1.15	<.009
MAR 01-08	.189	.70	--	--	.43	.05	.03	.10	.56	6.73	1.25	8.89	<.009
MAR 08-15	2.091	1.22	--	--	.17	.01	.02	.02	.06	1.74	.540	1.49	<.009
MAR 15-22	2.350	1.45	--	--	.13	.01	.04	.02	.08	2.38	.200	1.48	<.009
APR 02-09	.106	.07	--	--	.49	.06	.06	.12	.21	2.58	.020	2.21	<.009
APR 09-16	.495	.30	--	--	.19	.02	.03	.03	.12	3.02	.200	2.16	<.009
APR 16-23	1.738	1.05	--	--	.34	.09	.31	.06	.14	1.65	.640	1.61	.306
APR 23-30	2.998	1.70	--	--	.06	.01	.01	.01	.04	.83	.140	.73	<.009
MAY 03-10	.534	.35	--	--	.37	.04	.05	.04	.10	1.52	.370	1.12	<.009
MAY 10-17	.249	.24	--	--	8.67	.63	4.85	.10	.28	6.34	14.9	1.69	9.35
MAY 17-24	2.171	1.20	--	--	.13	.01	.02	.02	.07	2.21	.310	1.19	<.009
JUN 04-11	.310	.17	--	--	.89	.18	.55	.07	.16	1.69	.280	1.81	<.009

CHEMICAL QUALITY OF PRECIPITATION

380706083324900 - CLARK STATE FISH HATCHERY, ROWAN COUNTY, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Atm dep wet, liters (83177)	Precip- itation total for defined period, inches (00193)	Calcium wet atm dep fltrd, mg/L (82932)	Magnes- ium, wet atm dep fltrd, mg/L (83002)	Potas- sium, wet atm dep fltrd, mg/L (83120)	Sodium, wet atm dep fltrd, mg/L (83138)	Chlor- ide, wet atm dep fltrd, mg/L (82944)	Sulfate wet atm dep fltrd, mg/L (83160)	Ammonia wet atm dep fltrd, mg/L as NH4 (83047)	Nitrate wet atm dep fltrd, mg/L (83071)	Ortho- phos- phate, wet atm dep fltrd, mg/L (83111)
JUN 28- JUL 05	4.055	2.40	0.27	0.02	0.02	0.01	0.10	5.79	0.930	1.96	<0.009
JUL 12-19	2.722	1.60	.07	.01	.01	.01	.06	1.59	.230	0.67	<.009
JUL 19-26	0.024	0.01	.72	.07	.07	.08	.21	3.07	<.020	2.51	<.009
AUG 02-09	.071	.05	1.40	.12	.03	.05	.27	4.71	.540	3.52	<.009
AUG 09-16	.482	.30	.85	.08	.07	.10	.20	4.77	.540	2.31	<.009
AUG 16-23	2.067	1.15	.16	.02	.02	.06	.12	2.34	.350	1.38	<.009
AUG 23-30	5.790	3.30	.04	.01	.05	.02	.05	1.58	.270	.59	.026
AUG 30- SEP 06	.457	.30	.09	.05	.14	.06	.13	1.19	.380	1.06	.178
SEP 13-20	.289	.20	.81	.07	.03	.05	.10	2.37	.480	1.36	<.009
SEP 20-27	.513	.32	.26	.03	.02	.06	.14	2.71	.340	1.23	<.009
SEP 27- OCT 04	.952	.60	.86	.14	.49	.05	.09	2.11	.090	.30	.080

M--Presence of material verified but not quantified.

<--Numeric result is less than the value shown.