

## Project Data—Developing a Method to Rapidly Estimate Fecal-Indicator Bacteria Concentrations in the Cuyahoga River

The following tables list the results of bacteriological and physical measurements of water samples collected at four locations along the Cuyahoga River in Cuyahoga Valley National Park, Summit and Cuyahoga Counties, Ohio, from October 2004 through September 2005. Samples were collected as part of a study to identify a method that best provides an estimate of concentrations of fecal-indicator bacteria so that daily information can be furnished to the public on the safety of the river for recreational use.



## Water-Quality Records

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

[(00065), USGS National Water Information System parameter code; cfs, cubic feet per second; NTRU, Nephelometric Turbidity Ratio Units; *E. coli*, *Escherichia coli*; col/100 mL, colonies per 100 milliliters, --, no data; E, estimated; >, greater than; <, less than]

Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
04206000—CUYAHOGA RIVER AT OLD PORTAGE, OHIO					
Oct 18	0946	2.48	114	4.4	210
Nov 01	0957	2.98	225	10	1100
Nov 22	1019	3.43	356	7.7	330
Nov 29	1031	3.35	331	6.4	1200
Dec 13	1009	4.28	678	12	360
Jan 10	1017	8.09	2850	28	1100
Jan 30	0939	3.62	420	7.6	200
Feb 13	0930	5.52	1310	14	240
Mar 03	1001	4.06	584	7.6	87
Mar 20	1003	4.47	766	15	2600
Apr 02	0831	4.37	719	8.2	550
Apr 16	0938	4.16	626	4.7	320
Apr 28	0946	6.62	2020	18	220
May 16	1124	4.14	618	21	670
May 18	1101	3.70	448	7.8	210
May 19	1031	3.42	353	7.2	930
May 23	0958	3.05	243	6.5	520
May 24	0939	3.35	331	13	1500
May 25	0939	3.34	327	9.4	360
May 26	0953	3.26	303	8.7	270
May 27	0953	3.04	240	7.0	240
May 31	0954	2.83	189	6.0	110
Jun 01	0938	2.81	184	6.0	140
Jun 02	0928	2.75	171	5.2	200
Jun 03	0949	2.66	151	5.4	200
Jun 06	0946	2.84	191	12	E3600
Jun 07	1001	2.57	131	8.2	800
Jun 08	0924	2.52	121	5.9	370
Jun 09	0944	2.47	112	5.1	220
Jun 13	1220	2.46	110	6.2	770
Jun 14	1113	2.39	97	7.0	240
Jun 15	1125	2.46	110	10	E19000
Jun 20	0851	2.31	84	8.0	530
Jun 21	1137	2.38	95	7.4	380
Jun 22	1112	2.37	94	7.6	400

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
04206000—CUYAHOGA RIVER AT OLD PORTAGE, OHIO—Continued					
Jun 23	1110	2.29	80	7.4	280
Jun 27	1108	2.29	80	6.8	230
Jun 28	1129	2.25	74	5.9	210
Jun 29	1151	2.37	94	5.2	E220
Jun 30	1203	2.30	82	4.4	220
Jul 01	1149	2.32	85	5.0	1600
Jul 05	1058	2.27	77	5.8	390
Jul 06	1212	2.30	82	6.0	550
Jul 07	1215	2.27	77	5.2	640
Jul 08	1158	2.24	73	6.3	220
Jul 11	1201	2.17	63	6.5	180
Jul 12	1157	2.15	60	6.2	210
Jul 14	1158	2.07	50	6.0	870
Jul 15	1202	2.07	50	5.9	360
Jul 18	1208	2.38	95	4.9	490
Jul 19	1149	2.87	198	18	5600
Jul 20	1209	2.35	90	7.8	800
Jul 21	1200	2.38	95	10	1200
Jul 22	1155	2.37	94	10	770
Jul 25	1115	2.46	110	8.6	520
Jul 26	1135	2.35	90	7.7	270
Jul 27	1141	3.96	544	35	5500
Jul 28	1133	3.11	259	11	1300
Aug 01	1340	2.57	131	7.2	210
Aug 02	1152	2.44	106	11	250
Aug 03	1146	2.38	95	6.9	260
Aug 04	1130	2.33	87	6.5	390
Aug 05	1131	5.96	1570	100	7000
Aug 08	1141	3.06	246	33	700
Aug 09	1125	2.64	146	25	410
Aug 10	1117	2.51	119	32	630
Aug 11	1116	2.46	110	11	400
Aug 15	1029	2.40	99	5.7	E560
Aug 16	1004	2.44	106	6.9	E280
Aug 17	1011	2.31	84	6.4	E240
Aug 18	1000	2.23	71	7.4	E240
Aug 22	1017	2.42	103	8.2	E930
Aug 23	1005	2.31	84	8.3	E780

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

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
04206000—CUYAHOGA RIVER AT OLD PORTAGE, OHIO—Continued					
Aug 24	0941	2.22	70	7.3	E790
Aug 25	1005	2.17	63	6.7	E270
Aug 29	1011	2.16	61	5.8	E210
Aug 30	1016	2.93	212	12	E260
Aug 31	1028	6.11	1670	94	E16000
Sep 01	1007	5.24	1150	62	E4700
04207300—TINKERS CREEK NEAR INDEPENDENCE, OHIO					
May 16	1239	--	--	9.2	220
May 19	1200	--	--	4.2	90
May 24	1044	--	--	9.2	140
May 26	1131	--	--	6.0	E45
May 31	1109	--	--	7.4	120
Jun 02	1049	--	--	8.0	91
Jun 06	1057	--	--	25	160
Jun 08	1032	--	--	19	120
Jun 13	1130	--	--	12	370
Jun 14	1005	--	--	84	E30000
Jun 15	1004	--	--	45	2500
Jun 20	0947	--	--	7.1	300
Jun 21	1029	--	--	6.2	210
Jun 22	1010	--	--	12	1700
Jun 23	0954	--	--	6.5	270
Jun 27	1007	--	--	5.8	240
Jun 28	1015	--	--	5.6	150
Jun 29	1033	--	--	100	13000
Jun 30	1045	--	--	18	970
Jul 01	1022	--	--	84	2700
Jul 05	0934	--	--	11	320
Jul 06	1047	--	--	13	340
Jul 07	1049	--	--	8.6	340
Jul 08	1037	--	--	4.4	230
Jul 11	1037	--	--	3.7	160
Jul 12	1048	--	--	3.2	150
Jul 14	1032	--	--	5.1	240
Jul 15	1048	--	--	44	5200
Jul 18	1041	--	--	45	750
Jul 19	1035	--	--	150	4700

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

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
04207300—TINKERS CREEK NEAR INDEPENDENCE, OHIO—Continued					
Jul 20	1048	--	--	65	460
Jul 21	1045	--	--	1000	E22000
Jul 22	1040	--	--	60	2400
Jul 25	1005	--	--	21	730
Jul 26	1015	--	--	18	640
Jul 27	1010	--	--	380	18000
Jul 28	1000	--	--	180	2400
Aug 01	1153	--	--	4.3	130
Aug 02	1015	--	--	3.8	130
Aug 03	1006	--	--	2.8	180
Aug 04	0954	--	--	4.1	430
Aug 05	0952	--	--	11	4100
Aug 08	1009	--	--	4.7	150
Aug 09	0946	--	--	5.2	180
Aug 10	0943	--	--	6.0	160
Aug 11	0949	--	--	9.0	570
04208000—CUYAHOGA RIVER AT INDEPENDENCE, OHIO					
May 18	1229	--	--	16	190
May 23	1059	--	--	9.3	100
May 25	1146	--	--	9.0	240
May 27	1121	--	--	8.8	70
Jun 01	1059	--	--	7.4	70
Jun 03	1116	--	--	14	95
Jun 07	1128	--	--	11	170
Jun 09	1059	3.02	298	14	97
Jun 13	1115	2.93	268	17	790
Jun 14	1025	3.28	408	35	E6400
Jun 15	1026	3.48	505	42	5800
Jun 20	1010	2.91	262	14	260
Jun 21	1045	2.93	268	14	180
Jun 22	1030	2.98	284	16	200
Jun 23	1016	2.89	255	14	150
Jun 27	1025	2.85	243	11	150
Jun 28	1040	2.84	240	10	120
Jun 29	1056	4.06	854	1900	15000
Jun 30	1109	3.19	368	89	2100
Jul 01	1049	3.49	510	140	2700

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

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
04208000—CUYAHOGA RIVER AT INDEPENDENCE, OHIO—Continued					
Jul 05	0958	2.87	249	20	230
Jul 06	1055	2.89	255	16	290
Jul 07	1109	2.86	246	13	230
Jul 08	1059	2.88	252	12	230
Jul 11	1058	2.76	217	7.5	73
Jul 12	1105	2.76	217	8.1	90
Jul 14	1059	2.80	229	10	200
Jul 15	1114	2.97	280	98	3600
Jul 18	1103	3.33	431	53	580
Jul 19	1058	5.18	1510	430	4200
Jul 20	1112	3.41	470	93	1100
Jul 21	1110	6.68	2480	920	E18000
Jul 22	1105	3.48	505	130	2700
Jul 25	1028	3.15	351	31	610
Jul 26	1035	3.00	290	21	180
Jul 27	1039	9.52	4460	820	E36000
Jul 28	1030	4.85	1310	130	2600
Aug 01	1222	3.11	334	16	170
Aug 02	1043	3.04	306	14	160
Aug 03	1033	2.95	274	10	140
Aug 04	1021	2.94	271	8	130
Aug 05	1018	3.08	322	15	E170
Aug 08	1035	3.41	470	37	490
Aug 09	1010	3.21	377	24	330
Aug 10	1009	3.04	306	13	210
Aug 11	1015	3.05	310	12	250
411011081345100—CUYAHOGA RIVER AT BOTZUM, OHIO					
Oct 18	0933	6.95	489	3.4	200
Nov 01	0940	7.05	521	10	460
Nov 22	1006	7.35	622	8.1	430
Nov 29	1020	7.35	622	6.3	550
Dec 13	0958	8.00	880	12	410
Jan 10	1007	11.33	>2200	32	790
Jan 30	0927	7.95	854	7.9	400
Feb 13	0918	9.00	1330	16	200
Mar 03	0951	7.85	816	8.4	240
Mar 20	0951	8.55	1120	32	1100

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
411011081345100—CUYAHOGA RIVER AT BOTZUM, OHIO—Continued					
Apr 02	0852	8.80	1240	15	800
Apr 16	0920	8.98	1320	8.3	390
Apr 28	0925	9.85	1790	21	E140
May 16	1144	7.95	854	30	530
May 18	1124	7.73	766	9	240
May 19	1103	7.46	661	18	250
May 23	1009	7.13	544	7.1	800
May 24	0953	7.40	636	15	1700
May 25	1020	7.37	629	9.9	390
May 26	1026	7.19	567	9.9	340
May 27	1009	7.17	560	6.7	190
May 31	1013	6.91	477	5.7	130
Jun 01	0956	7.01	508	10	260
Jun 02	0956	6.93	483	5.6	210
Jun 03	1009	6.83	449	5.0	250
Jun 06	1003	7.16	557	79	E5200
Jun 07	1022	6.79	437	6.2	870
Jun 08	0942	6.73	423	5.8	380
Jun 09	0959	6.60	385	6.0	260
Jun 13	1157	6.70	411	6.0	830
Jun 14	1134	6.55	372	5.9	400
Jun 15	1107	6.71	417	9.0	E14000
Jun 20	0901	6.45	341	7.9	500
Jun 21	1129	6.61	385	12	820
Jun 22	1100	6.61	385	6.5	320
Jun 23	1058	6.54	366	7.1	220
Jun 27	1055	6.50	358	5.6	190
Jun 28	1114	6.44	341	5.2	210
Jun 29	1140	6.71	417	6.8	870
Jun 30	1152	6.60	385	5.7	500
Jul 01	1138	6.60	385	6.9	1900
Jul 05	1046	6.48	352	5.0	200
Jul 06	1201	6.50	358	5.8	550
Jul 07	1155	6.50	358	13	580
Jul 08	1140	6.43	338	5.6	360
Jul 11	1145	6.40	327	4.5	200
Jul 12	1143	6.41	333	6.3	230
Jul 14	1144	6.37	322	5.0	520

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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
411011081345100—CUYAHOGA RIVER AT BOTZUM, OHIO—Continued					
Jul 15	1153	6.31	303	9.2	570
Jul 18	1150	6.60	385	8.3	510
Jul 19	1207	7.31	604	42	6000
Jul 20	1155	6.69	411	--	--
411747081341300—CUYAHOGA RIVER AT JAITE, OHIO					
Oct 18	0911	6.55	458	4.2	110
Nov 01	0918	7.60	916	13	650
Nov 22	0950	6.55	458	10	600
Nov 29	1000	6.65	488	8.8	670
Dec 13	1036	7.50	851	19	870
Jan 10	0945	11.50	>1900	71	1300
Jan 30	0900	6.95	607	12	790
Feb 13	0900	8.55	1480	24	520
Mar 03	0930	7.25	735	13	620
Mar 20	0930	8.40	1390	86	350
Apr 02	0924	8.20	1280	17	640
Apr 16	0858	8.90	1670	9.5	540
Apr 28	0900	9.55	>1900	32	340
May 16	1209	7.45	817	19	580
May 18	1149	7.00	634	12	220
May 19	1130	6.71	514	9.3	160
May 23	1030	6.50	441	6.6	250
May 24	1017	6.71	514	27	2400
May 25	1101	6.57	464	7.7	290
May 26	1050	6.55	458	7.3	160
May 27	1045	6.50	441	6.6	180
May 31	1045	6.18	341	5.3	83
Jun 01	1021	6.25	362	5.2	98
Jun 02	1022	6.01	288	5.3	70
Jun 03	1034	6.06	300	5.8	130
Jun 06	1031	5.95	267	5.8	140
Jun 07	1046	6.00	285	5.5	1700
Jun 08	1009	5.89	252	6.5	170
Jun 09	1020	5.80	228	7.8	130
Jun 13	1031	5.85	241	9.8	630
Jun 14	0945	5.81	228	10	130
Jun 15	0944	6.13	322	26	8000



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411747081341300—CUYAHOGA RIVER AT JAITE, OHIO—Continued					
Jun 20	0926	5.47	<155	10	260
Jun 21	1005	5.78	<155	9.7	270
Jun 22	0950	5.83	233	9.7	240
Jun 23	0934	5.61	179	10	220
Jun 27	0945	5.75	215	8.2	210
Jun 28	0947	5.68	198	8.9	150
Jun 29	1011	6.25	362	630	7200
Jun 30	1028	5.87	247	36	970
Jul 01	1003	5.96	273	60	1100
Jul 05	0915	5.70	201	16	260
Jul 06	1017	5.72	205	14	290
Jul 07	1021	5.66	193	5.1	360
Jul 08	1013	5.74	210	12	250
Jul 11	1010	5.59	176	7.2	110
Jul 12	1026	5.57	171	8.4	97
Jul 14	1022	5.60	179	8.5	460
Jul 15	1029	5.61	179	5.7	360
Jul 18	1015	5.84	238	24	620
Jul 19	1014	7.50	851	510	3500
Jul 20	1027	6.03	294	44	1100
Jul 21	1023	6.44	422	290	7100
Jul 22	1021	--	--	56	660
Jul 25	0947	6.29	371	24	380
Jul 26	0950	6.18	341	19	260
Jul 27	0928	10.86	>1900	1200	E31000
Jul 28	0920	7.38	786	72	2100
Aug 01	1126	6.28	371	14	350
Aug 02	0943	6.21	351	12	200
Aug 03	0938	6.15	328	8.0	200
Aug 04	0926	6.14	328	6.9	230
Aug 05	0924	6.45	422	440	3100
Aug 08	0941	6.68	503	36	570
Aug 09	0919	6.40	405	23	280
Aug 10	0918	6.22	351	13	240
Aug 11	0921	6.21	351	12	330
Aug 15	0946	6.19	345	5.2	E480
Aug 16	0929	6.25	362	6.5	E320
Aug 17	0938	6.18	341	5.4	E230

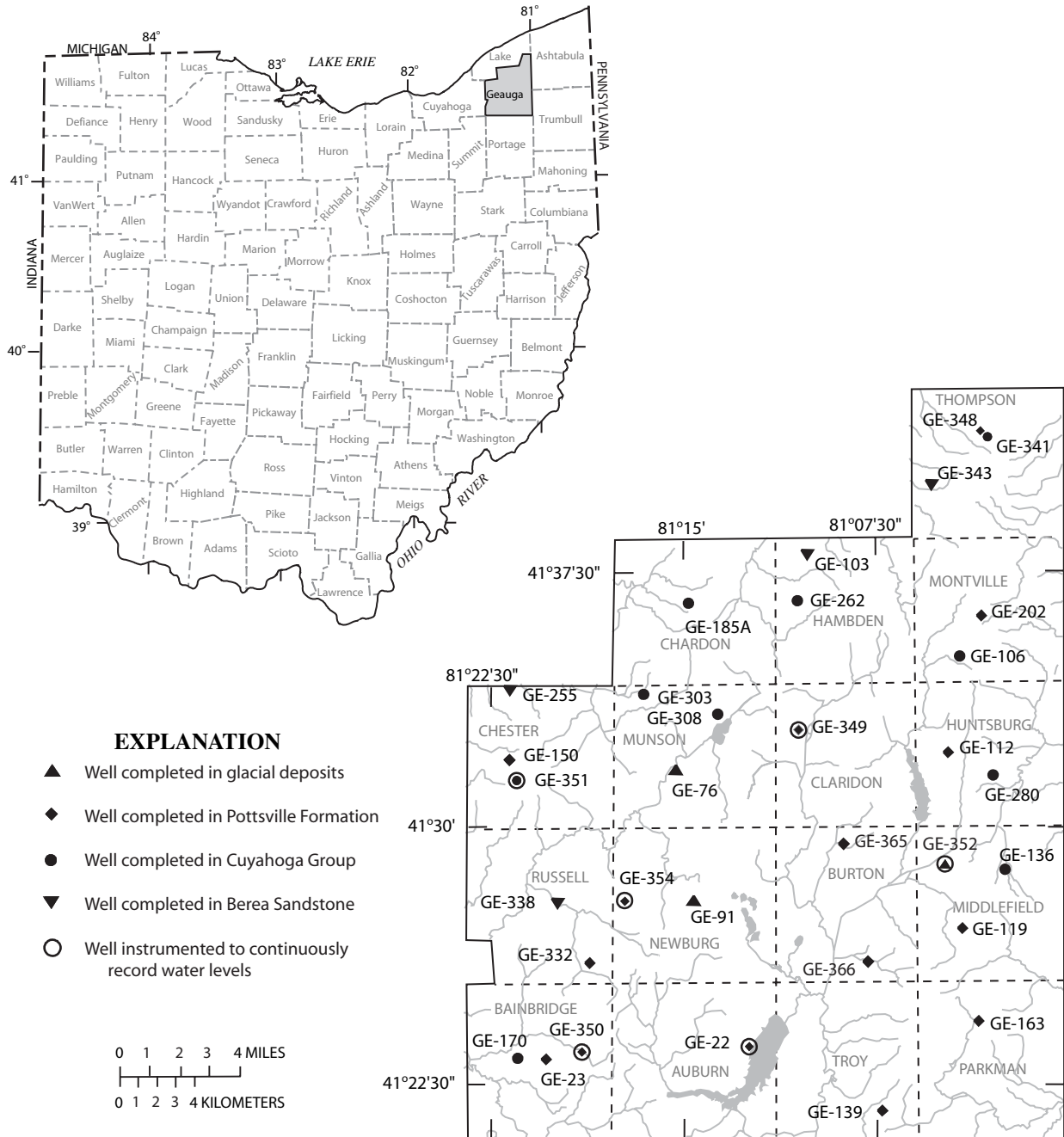
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Date	Time	Gage height, (feet) (00065)	Instantaneous discharge (cfs) (00061)	Turbidity (NTRU) (63676)	<i>E. coli</i> modified mTEC, water, (col/100 mL) (90902)
411747081341300—CUYAHOGA RIVER AT JAITE, OHIO—Continued					
Aug 18	0928	6.07	306	4.7	E190
Aug 22	0945	6.36	393	22	E880
Aug 23	0932	6.17	338	17	E540
Aug 24	0910	6.04	294	16	E340
Aug 25	0930	5.99	279	14	E310
Aug 29	0938	5.99	279	9.8	E420
Aug 30	0945	6.39	405	12	E430
Aug 31	0938	13.45	>1900	370	E39000
Sep 01	0932	9.38	>1900	140	E6100

## Project Data—Ground-Water Data for Geauga County, Ohio

Ground-water-level data were collected as part of a USGS cooperative study with the Geauga County Planning Commission and the Board of County Commissioners. Measurements from 32 wells that comprise the long-term ground-water monitoring network in Geauga County are shown on the following pages. The purpose of the water-level study is to determine whether fluctuations in water levels represent consistent, long-term trends caused by human activity or are predominantly the result of seasonal and annual variations in recharge. Land-surface datums are accurate within  $\pm 5$  ft. Water levels known to have been measured after a well had been recently pumped are designated with an asterisk (\*).



412331081123000. Local Number, GE-22

LOCATION.—Latitude 41°23'31", longitude 81°12'30", Geauga County, west of Valley View Road by La Due Reservoir at old Sugar House, Auburn Township.

Owner: City of Akron.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Water-supply well not currently in use; diameter 6.25 in., depth 80 ft.

INSTRUMENTATION.—Pressure transducer and data logger (records hourly).

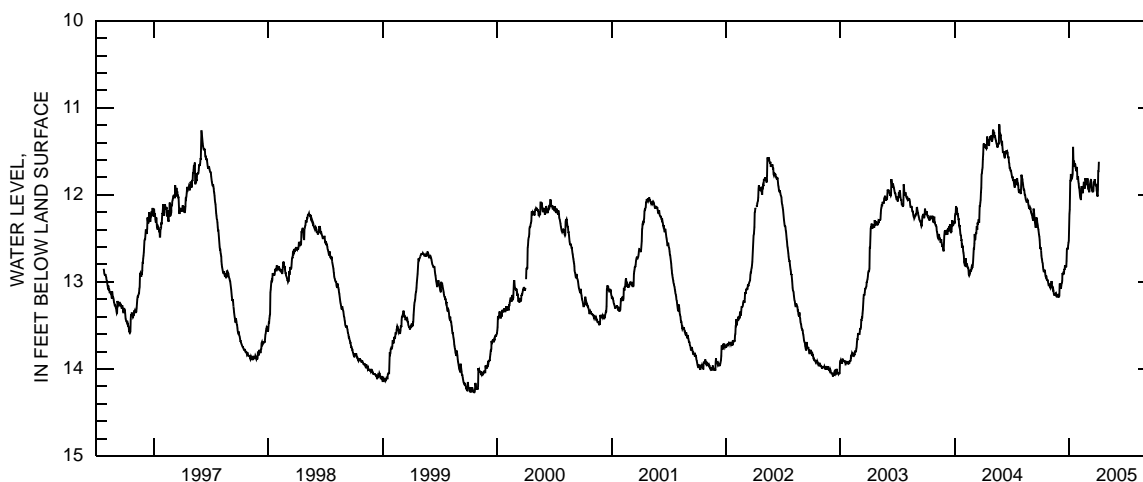
DATUM.—Elevation of land-surface datum is 1,160 ft above sea level. Measuring point: mark on wooden base of instrument shelter; changed from 3.96 ft below land-surface datum to 3.20 ft above land-surface datum on May 13, 1997.

PERIOD OF RECORD.—Periodic water-level measurements from June 8, 1978 through September 8, 1994. Continuous water-level data from July 24, 1996 to current year. No continuous data Apr. 6, 2005 to Sept. 30, 2005 due to transducer malfunction.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 11.19 ft below land-surface datum, May 22, 2004; maximum daily low, 14.34 ft below land-surface datum, Nov. 12, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.60	13.07	13.02	12.22	11.92	11.90	12.02	---	---	---	---	---
2	12.63	13.05	13.03	12.17	11.93	11.93	11.94	---	---	---	---	---
3	12.64	13.03	13.04	11.99	11.97	11.94	11.73	---	---	---	---	---
4	12.70	13.02	13.05	11.84	12.01	11.93	11.73	---	---	---	---	---
5	12.73	12.99	13.08	11.84	12.04	11.97	11.62	---	---	---	---	---
6	12.75	13.02	13.05	11.76	12.05	11.96	---	---	---	---	---	---
7	12.78	13.06	13.02	11.81	12.05	11.89	---	---	---	---	---	---
8	12.79	13.08	13.01	11.82	11.97	11.87	---	---	---	---	---	---
9	12.83	13.09	12.99	11.81	11.90	11.85	---	---	---	---	---	---
10	12.86	13.08	12.90	11.80	11.93	11.83	---	---	---	---	---	---
11	12.88	13.10	12.91	11.78	11.93	11.82	---	---	---	---	---	---
12	12.88	13.13	12.90	11.68	11.95	11.88	---	---	---	---	---	---
13	12.87	13.15	12.91	11.45	11.98	11.92	---	---	---	---	---	---
14	12.87	13.15	12.91	11.61	11.93	11.94	---	---	---	---	---	---
15	12.87	13.15	12.90	11.62	11.90	11.96	---	---	---	---	---	---
16	12.91	13.15	12.85	11.61	11.85	11.96	---	---	---	---	---	---
17	12.94	13.15	12.86	11.66	11.87	11.95	---	---	---	---	---	---
18	12.95	13.14	12.81	11.68	11.90	11.97	---	---	---	---	---	---
19	12.93	13.15	12.84	11.64	11.92	11.95	---	---	---	---	---	---
20	12.95	13.14	12.82	11.66	11.92	11.85	---	---	---	---	---	---
21	12.97	13.16	12.82	11.70	11.81	11.86	---	---	---	---	---	---
22	12.98	13.17	12.83	11.69	11.83	11.86	---	---	---	---	---	---
23	12.98	13.17	12.76	11.73	11.84	11.82	---	---	---	---	---	---
24	12.98	13.17	12.63	11.71	11.82	11.87	---	---	---	---	---	---
25	13.00	13.14	12.61	11.68	11.83	11.87	---	---	---	---	---	---
26	13.02	13.15	12.62	11.79	11.88	11.89	---	---	---	---	---	---
27	13.04	13.14	12.62	11.82	11.88	11.89	---	---	---	---	---	---
28	13.04	13.17	12.58	11.82	11.81	11.89	---	---	---	---	---	---
29	13.03	13.17	12.55	11.79	---	11.95	---	---	---	---	---	---
30	13.03	13.16	12.53	11.85	---	11.97	---	---	---	---	---	---
31	13.06	---	12.39	11.87	---	12.01	---	---	---	---	---	---
MEAN	12.89	13.12	12.83	11.77	11.91	11.91	11.81	---	---	---	---	---
MAX	13.06	13.17	13.08	12.22	12.05	12.01	12.02	---	---	---	---	---
MIN	12.60	12.99	12.39	11.45	11.81	11.82	11.62	---	---	---	---	---



## 412309081202400. Local Number, GE-23

LOCATION.—Latitude 41°23'09", longitude 81°20'24", Geauga County, Alltel building on Bainbridge Road, west of State Route 306, Bainbridge Township.

Owner: Alltel Telephone Company.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Commercial water-supply well; diameter 5.63 in., depth 40 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,162 ft above sea level. Measuring point: top of casing, 1.32 ft above land-surface datum.

PERIOD OF RECORD.—April 26, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 10.46 ft below land-surface datum, Apr. 26, 1978; lowest measured, 20.61 ft below land-surface datum, Nov. 6, 2002.

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

Date	Water level
10-12-2004	17.36
12-08-2004	17.63
02-02-2005	16.43
04-06-2005	15.76
06-08-2005	16.06
08-03-2005	16.86

## 413138081152000. Local Number, GE-76

LOCATION.—Latitude 41°31'38", longitude 81°15'20", Geauga County, 10755 Mayfield Road, Munson Township. Owner: Fowler's Mill Christian Church.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Private water-supply well; diameter 6 in., depth 150 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,170 ft above sea level. Measuring point: top of casing, 1.68 ft above land-surface datum.

PERIOD OF RECORD.—June 15, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 21.19 ft below land-surface datum, June 15, 1978; lowest measured, 25.29 ft below land-surface datum, July 11, 2001.

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

Date	Water level
10-13-2004	23.13
12-08-2004	23.04
02-03-2005	22.55
04-07-2005	22.20
06-09-2005	22.78
08-04-2005	23.32

## 412748081143900. Local Number, GE-91

LOCATION.—Latitude 41°27'48", longitude 81°14'39", Geauga County, northeast corner of Auburn Road and State Route 87 intersection, Newbury Township.

Owner: Dairy Mart.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Commercial water-supply well; diameter 5.63 in., depth 85 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,250 ft above sea level. Measuring point: top of casing, 1.16 ft above land-surface datum.

PERIOD OF RECORD.—October 19, 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 40.10 ft below land-surface datum, Oct. 19, 1978; lowest measured, 47.73\* ft below land-surface datum, May 21, 2003.

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

Date	Water level
10-12-2004	43.48
12-09-2004	43.80
02-03-2005	43.98*
04-07-2005	43.52
06-09-2005	43.22
08-04-2005	43.48

## 413755081101200. Local Number, GE-103

LOCATION.—Latitude 41°37'55", longitude 81°10'12", Geauga County, 8755 Old State Road (State Route 608), Hambden Township. Owner: privately owned.

AQUIFER.—Berea Sandstone of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 136 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,158 ft above sea level. Measuring point: top of casing, 0.40 ft above land-surface datum.

PERIOD OF RECORD.—May 7, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 79.44 ft below land-surface datum, May 7, 1980; lowest measured, 92.75 ft below land-surface datum, Feb. 5, 2004.

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

Date	Water level
10-13-2004	91.45
12-08-2004	91.91
02-02-2005	92.07
04-06-2005	91.69
06-09-2005	91.63
08-03-2005	91.70

## 413456081035600. Local Number, GE-106

LOCATION.—Latitude 41°34'56", longitude 81°03'56", Geauga County, 10691 Clay Street, Montville Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 72 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,255 ft above sea level. Measuring point: top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.—May 7, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 30.84 ft below land-surface datum, May 7, 1980; lowest measured, 37.44 ft below land-surface datum, May 29, 1996.

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

Date	Water level
10-13-2004	35.58
12-08-2004	35.88
02-02-2005	36.15
04-06-2005	35.72
06-08-2005	35.46
08-03-2005	35.52

## 413207081044400. Local Number, GE-112

LOCATION.—Latitude 41°32'07", longitude 81°04'44", Geauga County, by golf course maintenance building at 15900 Mayfield Road, Huntsburg Township. Owner: Rolling Green Golf Course.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Commercial water-supply well for shop and house (not used for irrigation); diameter 5.63 in., depth 80 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,265 ft above sea level. Measuring point: top of casing, 1.30 ft above land-surface datum.

PERIOD OF RECORD.—May 8, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 43.86 ft below land-surface datum, May 5, 1980; lowest measured, 50.61 ft below land-surface datum, Jan. 15, 2002.

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

Date	Water level
10-13-2004	47.34
12-08-2004	47.85
02-02-2005	47.58
04-06-2005	47.48
06-08-2005	47.15
08-03-2005	47.03

## 412657081040500. Local Number, GE-119

LOCATION.—Latitude 41°26'58", longitude 81°04'12", Geauga County, 15400 State Route 608, Middlefield Township. Owner: Geauga County Airport.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Commercial water-supply well; diameter 5.63 in., depth 79 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,185 ft above sea level. Measuring point: top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.—August 20, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 7.96 ft below land-surface datum, Aug. 20, 1980; lowest measured, 16.61 ft below land-surface datum, Mar. 12, 2003.

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

Date	Water level
10-12-2004	15.65
12-08-2004	16.14
02-02-2005	15.80
04-06-2005	15.33
06-08-2005	15.25
08-03-2005	15.80

## 412841081023200. Local Number, GE-136

LOCATION.—Latitude 41°28'41", longitude 81°02'32", Geauga County, 16826 Nauvoo Road, Middlefield Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 58 ft; water level not static in spring and summer months (pump removes approximately 1 gallon per minute of water from well during the growing season).

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,130 ft above sea level. Measuring point: top of casing 1.20 ft above land-surface datum.

PERIOD OF RECORD.—August 8, 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 13.31 ft below land-surface datum, May 8, 1986; lowest measured, 24.27\* ft below land-surface datum, May 28, 1996.

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

Date	Water level
10-12-2004	17.61
12-08-2004	17.41
02-02-2005	18.46*
04-06-2005	17.79
06-08-2005	21.85*
08-03-2005	20.95



## 412138081072000. Local Number, GE-139

LOCATION.—Latitude 41°21'38", longitude 81°07'20", Geauga County, 14515 Hoover Road, Troy Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 90 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,171 ft above sea level. Measuring point: top of casing, 0.37 ft above land-surface datum.

PERIOD OF RECORD.—August 15, 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 32.16 ft below land-surface datum, Apr. 17, 2004; lowest measured, 39.94 ft below land-surface datum, Oct. 26, 1999.

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

Date	Water level
10-12-2004	34.04
12-08-2004	34.12
02-02-2005	33.03
04-06-2005	32.27
06-08-2005	33.51
08-03-2005	35.26

## 413155081214900. Local Number, GE-150

LOCATION.—Latitude 41°31'55", longitude 81°21'49", Geauga County, 12390 Caves Road, Chester Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6.63 in., depth 90 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,220 ft above sea level. Measuring point: top of casing, 1.65 ft above land-surface datum.

PERIOD OF RECORD.—February 13, 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 22.07 ft below land-surface datum, May 14, 1997; lowest measured, 30.75 ft below land-surface datum, Sept. 19, 2001 (water level has been lower than 30.75 but blockage prevents measurement beyond this point).

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

Date	Water level
10-13-2004	28.20
12-09-2004	29.21
02-03-2005	28.48
04-07-2005	26.88
06-09-2005	27.79
08-04-2005	28.72

## 412415081033500. Local Number, GE-163

LOCATION.—Latitude 41°24'15", longitude 81°03'35", Geauga County, 17115 Madison Road, Parkman Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 60 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,182 ft above sea level. Measuring point: top of casing, 1.10 ft above land-surface datum.

PERIOD OF RECORD.—February 5, 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 8.17 ft below land-surface datum, Feb. 5, 1986; lowest measured, 17.11 ft below land-surface datum, Sept. 23, 2002.

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

Date	Water level
10-12-2004	14.78
12-08-2004	14.32
02-02-2005	14.23
04-06-2005	13.62
06-08-2005	14.20
08-03-2005	15.24

## 412311081213000. Local Number, GE-170

LOCATION.—Latitude 41°23'11", longitude 81°21'30", Geauga County, 7956 Bainbridge Road, Bainbridge Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 92 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,110 ft above sea level. Measuring point: top of casing, 1.47 ft above land-surface datum.

PERIOD OF RECORD.—February 4, 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 43.82 ft below land-surface datum, Nov. 19, 1996; lowest measured, 51.66 ft below land-surface datum, Nov. 6, 2002.

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

Date	Water level
10-12-2004	46.63
12-08-2004	46.06
02-02-2005	45.38
04-06-2005	44.73
06-08-2005	46.42
08-03-2005	47.47

## 413630081145001. Local Number, GE-185A

LOCATION.—Latitude 41°36'30", longitude 81°14'50", Geauga County, 9673 Mentor Road, Chardon Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.5 in., depth 90 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,260 ft above sea level. Measuring point: top of casing 0.84 ft above land-surface datum.

PERIOD OF RECORD.—January 1, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 32.39 ft below land-surface datum, Nov. 21, 1996; lowest measured, 38.48 ft below land-surface datum, Oct. 21, 2003.

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

Date	Water level
10-13-2004	38.10
12-09-2004	37.33
02-02-2005	36.30
04-06-2005	35.29
06-09-2005	36.37
08-03-2005	36.76

## 413607081032500. Local Number, GE-202

LOCATION.—Latitude 41°36'07", longitude 81°03'25", Geauga County, 9915 Plank Road, Montville Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 74 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,247 ft above sea level. Measuring point: top of casing, 1.60 ft above land-surface datum.

PERIOD OF RECORD.—February 10, 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 27.60 ft below land-surface datum, Feb. 10, 1986; lowest measured, 30.81 ft below land-surface datum, Oct. 27, 1999.

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

Date	Water level
10-13-2004	29.60
12-08-2004	30.07
02-02-2005	29.65
04-06-2005	29.43
06-08-2005	29.33
08-03-2005	29.73

## 413357081214800. Local Number, GE-255

LOCATION.—Latitude 41°33'57", longitude 81°21'48", Geauga County, 11240 Caves Road, Chester Township. Owner: privately owned.

AQUIFER.—Berea Sandstone of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 123 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,075 ft above sea level. Measuring point: Top of casing, 2.08 ft above land-surface datum.

PERIOD OF RECORD.—September 8, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 50.97 ft below land surface datum, Oct. 13, 2004; lowest measured, 55.82\* ft below land-surface datum, Jan. 15, 2002.

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

Date	Water level
10-13-2004	50.97
12-09-2004	51.82
02-03-2005	51.88
04-07-2005	51.32
06-09-2005	53.51*
08-04-2005	52.11

## 413634081103500. Local Number, GE-262

LOCATION.—Latitude 41°36'34", longitude 81°10'35", Geauga County, 9593 Wildwood Road, Hambden Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6 in., depth 100 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,200 ft above sea level. Measuring point: top of casing 1.60 ft above land-surface datum.

PERIOD OF RECORD.—September 7, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 34.19 ft below land-surface datum, Sept. 10, 1996; lowest measured, 42.55 ft below land-surface datum, Jan. 16, 2002.

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

Date	Water level
10-13-2004	36.64
12-08-2004	37.10
02-02-2005	38.46
04-06-2005	37.57
06-09-2005	37.79
08-03-2005	38.00

## 413127081025900. Local Number, GE-280

LOCATION.—Latitude 41°31'27", longitude 81°02'59", Geauga County, 12972 Madison Road, Huntsburg Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6 in., depth 162 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,145 ft above sea level. Measuring point: top of casing 1.45 ft above land-surface datum.

PERIOD OF RECORD.—September 8, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 31.60 ft below land-surface datum, Apr. 7, 2004; lowest measured, 35.96 ft below land-surface datum, Dec. 14, 1998.

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

Date	Water level
10-13-2004	33.43
12-08-2004	33.43
02-02-2005	32.44
04-06-2005	31.64
06-08-2005	32.55
08-03-2005	33.52

## 413350081163500. Local Number, GE-303

LOCATION.—Latitude 41°33'50", longitude 81°16'35", Geauga County, 10250 Mulberry Road, Munson Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6 in., depth 95 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,230 ft above sea level. Measuring point: top of casing 1.60 ft above land-surface datum.

PERIOD OF RECORD.—September 7, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 57.23 ft below land-surface datum, May 14, 1997; lowest measured, 63.15 ft below land-surface datum, Jan. 15, 2002.

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

Date	Water level
10-13-2004	62.19
12-09-2004	62.44
02-03-2005	62.25
04-07-2005	61.35
06-09-2005	61.91
08-04-2005	62.32

## 413315081134200. Local Number, GE-308

LOCATION.—Latitude 41°33'15", longitude 81°13'42", Geauga County, 11675 Chestnutdale Drive, Munson Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6 in., depth 98 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,165 ft above sea level. Measuring point: top of casing 1.68 ft above land-surface datum.

PERIOD OF RECORD.—September 7, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 20.05 ft below land-surface datum, Apr. 20, 1999; lowest measured, 27.74 ft below land-surface datum, Sept. 24, 2002.

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

Date	Water level
10-13-2004	24.08
12-08-2004	23.77
02-03-2005	23.21
04-07-2005	22.22
06-09-2005	23.06
08-04-2005	24.11

## 412558081184200. Local Number, GE-332

LOCATION.—Latitude 41°25'58", longitude 81°18'42", Geauga County, 103 Silver Springs, Russell Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 104 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,180 ft above sea level. Measuring point: top of casing, 1.14 ft above land-surface datum.

PERIOD OF RECORD.—September 8, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 33.83 ft below land-surface datum, May 14, 1997; lowest measured, 36.10 ft below land-surface datum, Jan. 16, 2002.

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

Date	Water Level
10-13-2004	34.68
12-09-2004	34.88
02-03-2005	34.66
04-07-2005	34.35
06-09-2005	34.37
08-04-2005	34.59

## 412743081195700. Local Number, GE-338

LOCATION.—Latitude 41°27'43", longitude 81°19'57", Geauga County, 14940 Surrey Downs, Russell Township. Owner: privately owned.

AQUIFER.—Berea Sandstone of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.56 in., depth 160 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,078 ft above sea level. Measuring point: top of casing, 1.38 ft above land-surface datum.

PERIOD OF RECORD.—September 8, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 58.67 ft below land-surface datum, Oct. 22, 2003; lowest measured, 73.29 ft below land-surface datum, Jan. 22, 1997.

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

Date	Water level
10-13-2004	59.79
12-09-2004	59.74
02-03-2005	59.72
04-07-2005	59.11*
06-09-2005	61.11
08-04-2005	60.20

## 414121081030800. Local Number, GE-341

LOCATION.—Latitude 41°41'21", longitude 81°03'08", Geauga County, 6758 Madison Road, Thompson Township. Owner: Thompson United Methodist Church.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Private water-supply well; diameter 6.63 in., depth 120 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,267 ft above sea level. Measuring point: top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.—September 7, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 3.36 ft below land-surface datum, Apr. 6, 2005; lowest measured, 10.11 ft below land-surface datum, Sept. 7, 1994.

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

Date	Water level
10-13-2004	7.18
12-08-2004	7.06*
02-02-2005	5.15
04-06-2005	3.36
06-08-2005	5.71
08-03-2005	7.09

## 413957081052100. Local Number, GE-343

LOCATION.—Latitude 41°39'57", longitude 81°05'21", Geauga County, 15554 Valentine Road, Thompson Township. Owner: privately owned.

AQUIFER.—Berea Sandstone of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 5.63 in., depth 120 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,145 ft above sea level. Measuring point: top of casing, 1.54 ft above land-surface datum.

PERIOD OF RECORD.—September 7, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 68.79 ft below land-surface datum, Apr. 7, 2004; lowest measured, 72.93 ft below land-surface datum, Sept. 7, 1994.

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

Date	Water level
10-13-2004	70.30
12-08-2004	70.57
02-02-2005	69.51
04-06-2005	69.37
06-08-2005	69.50
08-03-2005	70.32

## 414125081031500. Local Number, GE-348

LOCATION.—Latitude 41°41'25", longitude 81°03'15", Geauga County, 16506 W. Thompson Road, Thompson Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 6 in., depth 53 ft.

INSTRUMENTATION.—Instrumentation removed on May 21, 2002 due to new owner use of the well. Periodic water level measurements by steel or electric tape will continue.

DATUM.—Elevation of land-surface datum is 1,265 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 2.55 ft above land-surface datum.

PERIOD OF RECORD.—July 23, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 0.76 ft below land-surface datum, Apr. 6, 2005; lowest measured, 7.74 ft below land-surface datum, Sept. 11, 2001.

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

Date	Water level
10-13-2004	5.07
12-08-2004	2.69
02-02-2005	4.59
04-06-2005	0.76
06-08-2005	4.40
08-03-2005	5.55



413247081103300. Local Number, GE-349

LOCATION.—Latitude 41°32'47", longitude 81°10'33", Geauga County, 121 Berkshire Drive, Aquilla Village, Claridon Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 5.63 in., depth 58.19 ft.

INSTRUMENTATION.—Pressure transducer and data logger (records hourly).

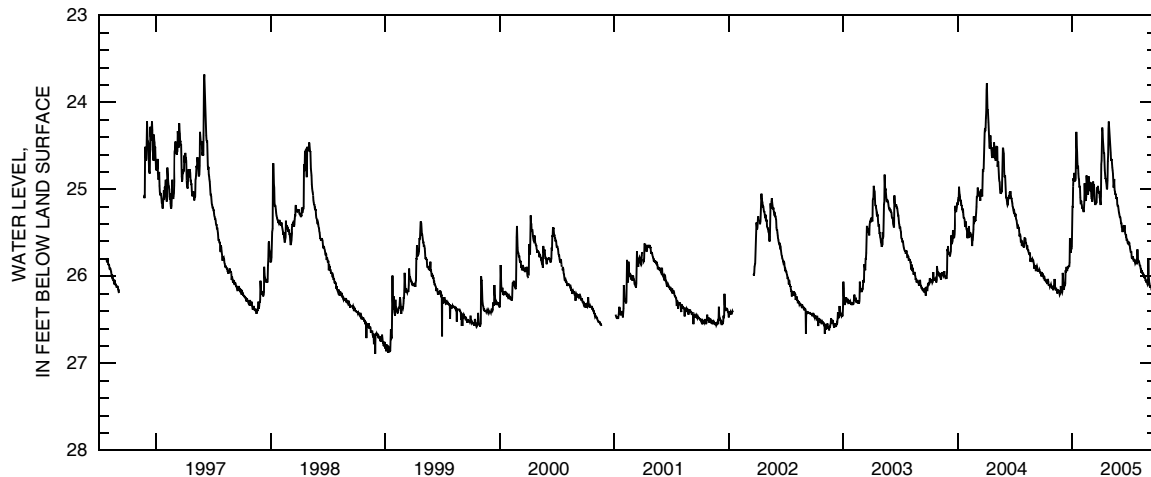
DATUM.—Elevation of land-surface datum is 1,190 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 1.05 ft above land-surface datum.

PERIOD OF RECORD.—July 24, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 23.68 ft below land-surface datum, June 3, 1997; maximum daily low, 26.89 ft below land-surface datum, Nov. 30, 1998.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.99	26.15	25.96	25.20	25.22	25.01	25.18	24.44	25.32	25.61	25.83	25.98
2	26.02	26.11	26.01	25.20	25.21	25.08	25.08	24.52	25.32	25.65	25.84	26.03
3	26.00	26.11	26.08	24.97	25.23	25.10	24.71	24.58	25.33	25.66	25.86	26.07
4	26.04	26.08	26.09	24.87	25.24	25.10	24.67	24.67	25.36	25.68	25.88	26.09
5	26.04	26.03	26.15	24.90	25.26	25.14	24.43	24.66	25.39	25.70	25.87	26.12
6	26.04	26.07	26.11	24.85	25.25	25.11	24.29	24.65	25.39	25.72	25.90	26.13
7	26.03	26.14	26.10	24.81	25.21	24.95	24.33	24.70	25.43	25.72	25.92	26.11
8	26.06	26.15	26.11	24.91	25.14	24.91	24.42	24.75	25.43	25.72	25.92	26.11
9	26.04	26.15	26.08	24.89	24.93	24.95	24.48	24.78	25.46	25.78	25.96	26.12
10	26.07	26.13	25.93	24.90	25.04	24.95	24.53	24.82	25.49	25.80	25.93	26.15
11	26.04	26.16	25.96	24.87	25.04	24.96	24.59	24.90	25.42	25.77	25.96	26.15
12	26.08	26.15	25.92	24.70	25.06	25.05	24.58	24.98	25.45	25.78	25.96	26.12
13	26.08	26.19	25.89	24.34	25.13	25.14	24.70	24.94	25.44	25.77	25.96	26.14
14	26.03	26.19	25.93	24.39	25.08	25.16	24.78	24.88	25.45	25.80	25.98	26.16
15	26.04	26.17	25.94	24.51	24.84	25.18	24.83	24.96	25.45	25.82	25.98	26.16
16	26.06	26.16	25.90	24.57	24.90	25.16	24.88	25.02	25.41	25.82	25.98	26.15
17	26.10	26.16	25.90	24.70	24.95	25.14	24.87	25.03	25.44	25.80	26.00	26.17
18	26.10	26.17	25.88	24.76	25.02	25.16	24.91	25.06	25.50	25.82	26.02	26.21
19	26.10	26.17	25.89	24.73	25.06	25.14	24.93	25.05	25.52	25.83	26.01	26.21
20	26.10	26.19	25.89	24.82	25.05	24.98	24.98	25.08	25.53	25.85	26.01	26.19
21	26.12	26.21	25.88	24.87	24.93	25.02	25.00	25.11	25.52	25.84	26.02	26.27
22	26.11	26.20	25.88	24.89	24.85	25.02	24.99	25.10	25.56	25.83	26.05	26.21
23	26.10	26.17	25.84	24.98	24.91	24.96	24.90	25.09	25.59	25.85	26.04	26.21
24	26.09	26.18	25.56	24.97	24.92	25.00	24.68	25.17	25.57	25.83	26.07	26.22
25	26.11	26.11	25.60	24.98	24.94	25.02	24.60	25.19	25.59	25.86	26.06	26.21
26	26.12	26.16	25.67	25.09	25.02	25.04	24.30	25.19	25.62	25.85	26.05	26.17
27	26.13	26.15	25.73	25.16	25.01	25.04	24.22	25.20	25.63	25.69	26.05	26.17
28	26.13	26.18	25.68	25.16	24.92	25.02	24.27	25.23	25.61	25.79	26.09	26.18
29	26.11	26.19	25.68	25.13	---	25.10	24.32	25.26	25.60	25.84	26.10	26.20
30	26.13	26.17	25.66	25.17	---	25.11	24.38	25.28	25.64	25.81	26.09	26.21
31	26.15	---	25.48	25.19	---	25.15	---	25.30	---	25.83	25.79	---
MEAN	26.08	26.15	25.88	24.89	25.05	25.06	24.66	24.95	25.48	25.78	25.97	26.15
MAX	26.15	26.21	26.15	25.20	25.26	25.18	25.18	25.30	25.64	25.86	26.10	26.27
MIN	25.99	26.03	25.48	24.34	24.84	24.91	24.22	24.44	25.32	25.61	25.79	25.98



412322081190000. Local Number, GE-350

LOCATION.—Latitude 41°23'32", longitude 81°19'00", Geauga County, 9100 Bainbridge Road, Bainbridge Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 6 in., depth 59.87 ft.

INSTRUMENTATION.—Pressure transducer and data logger (records hourly).

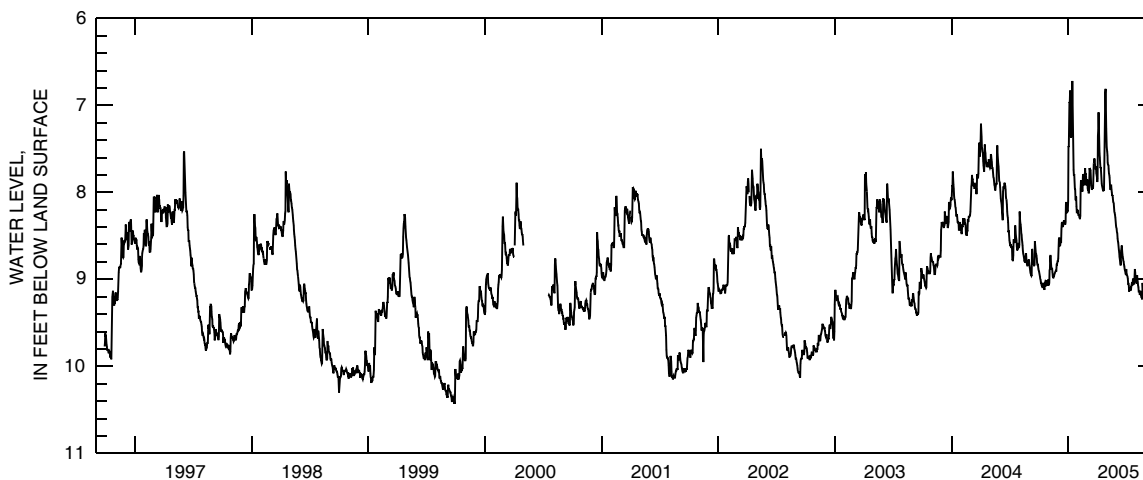
DATUM.—Elevation of land-surface datum is 1,120 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 0.77 ft above land-surface datum.

PERIOD OF RECORD.—September 26, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 6.72 ft below land-surface datum, Jan. 13, 2005; maximum daily low, 10.41 ft below land-surface datum, Sept. 27, 1999.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.91	9.06	8.65	7.47	8.26	7.86	7.88	7.48	8.42	8.88	9.02	8.73
2	8.93	9.04	8.54	7.48	8.26	7.95	7.84	7.53	8.46	8.93	9.04	8.81
3	8.95	8.89	8.52	7.13	8.25	7.98	7.35	7.58	8.47	8.95	9.05	8.87
4	8.97	8.88	8.54	6.96	8.29	7.97	7.28	7.66	8.53	8.96	8.95	8.94
5	9.00	8.73	8.61	6.97	8.30	8.01	7.08	7.68	8.56	8.97	9.00	9.00
6	9.01	8.73	8.61	6.83	8.30	8.00	7.25	7.69	8.58	8.99	9.03	9.03
7	9.04	8.80	8.58	7.18	8.27	7.86	7.40	7.73	8.62	9.05	9.07	9.07
8	9.04	8.84	8.57	7.34	7.96	7.72	7.55	7.78	8.66	9.05	9.09	9.06
9	9.07	8.89	8.57	7.37	7.86	7.75	7.60	7.81	8.69	9.07	9.14	9.09
10	9.08	8.87	8.42	7.27	7.90	7.74	7.67	7.83	8.74	9.14	9.14	9.14
11	9.09	8.88	8.36	7.36	7.91	7.75	7.72	7.91	8.77	9.12	9.13	9.16
12	9.09	8.92	8.36	6.99	7.94	7.83	7.71	7.97	8.79	9.12	9.17	9.16
13	9.07	8.97	8.34	6.72	7.99	7.92	7.78	7.96	8.83	9.11	9.17	9.17
14	9.05	8.98	8.39	7.02	7.98	7.94	7.84	7.92	8.83	9.13	9.13	9.19
15	9.05	8.98	8.39	7.41	7.82	7.97	7.90	7.92	8.67	9.12	9.17	9.20
16	9.07	8.96	8.37	7.62	7.79	7.96	7.93	7.97	8.65	9.11	9.19	9.20
17	9.11	8.96	8.34	7.74	7.80	7.94	7.94	8.00	8.61	9.08	9.20	9.18
18	9.12	8.94	8.32	7.81	7.87	7.96	7.96	8.04	8.66	9.06	9.20	9.10
19	9.04	8.93	8.35	7.79	7.91	7.94	7.98	8.03	8.71	9.03	9.22	9.12
20	9.03	8.92	8.34	7.88	7.91	7.83	7.98	8.06	8.74	9.06	9.23	9.16
21	9.04	8.91	8.36	7.96	7.82	7.67	7.97	8.10	8.76	9.06	9.04	9.17
22	9.07	8.90	8.37	7.97	7.72	7.65	7.98	8.12	8.79	8.99	9.09	9.18
23	9.07	8.90	8.34	8.08	7.79	7.61	7.84	8.13	8.80	9.02	9.16	9.17
24	9.02	8.90	8.14	8.08	7.79	7.64	7.66	8.18	8.83	9.05	9.21	9.09
25	9.02	8.83	8.11	8.05	7.82	7.68	7.49	8.23	8.85	9.05	9.18	9.09
26	9.04	8.83	8.16	8.16	7.91	7.73	6.85	8.24	8.88	9.05	9.19	9.08
27	9.06	8.81	8.23	8.23	7.91	7.73	6.81	8.26	8.90	8.95	9.20	8.76
28	9.06	8.79	8.23	8.23	7.85	7.70	7.00	8.29	8.91	8.88	9.17	8.78
29	9.06	8.79	8.21	8.21	---	7.79	7.27	8.33	8.94	8.92	9.19	8.83
30	9.00	8.76	8.21	8.20	---	7.80	7.38	8.38	8.95	8.97	9.17	8.86
31	9.06	---	8.10	8.23	---	7.83	---	8.41	---	8.98	8.81	---
MEAN	9.04	8.89	8.38	7.60	7.97	7.83	7.60	7.97	8.72	9.03	9.12	9.05
MAX	9.12	9.06	8.65	8.23	8.30	8.01	7.98	8.41	8.95	9.14	9.23	9.20
MIN	8.91	8.73	8.10	6.72	7.72	7.61	6.81	7.48	8.42	8.88	8.81	8.73



413119081213200. Local Number, GE-351

LOCATION.—Latitude 41°31'19", longitude 81°21'32", Geauga County, south side of State Route 322, east of intersection with Caves Road and west of Bloom Brothers Hardware, Chester Township. Owner: privately owned.

AQUIFER.—Cuyahoga Group (interbedded shales and sandstones) of Mississippian age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 6 in., depth 126.5 ft.

INSTRUMENTATION.—Pressure transducer and data logger (records hourly).

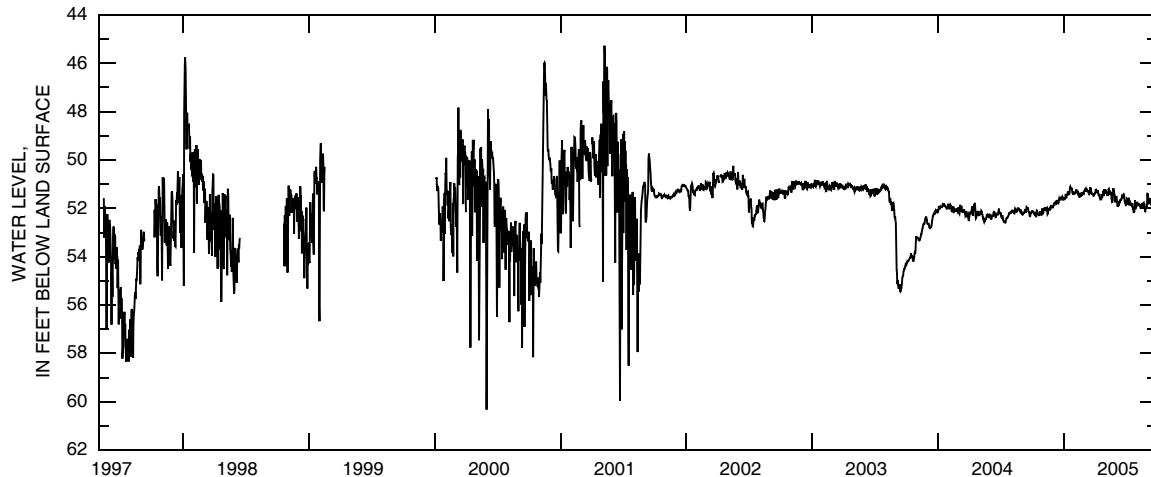
DATUM.—Elevation of land-surface datum is 1,135 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 1.25 ft above land-surface datum.

PERIOD OF RECORD.—May 15, 1997 through February 16, 1999, and January 6, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 45.27 ft below land-surface datum, May 8, 2001; maximum daily low, 60.33 ft below land-surface datum, May 31, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.11	52.20	51.88	51.61	51.36	51.28	51.38	51.31	51.54	51.78	51.73	51.40
2	52.12	52.18	51.87	51.62	51.38	51.28	51.37	51.23	51.49	51.61	51.77	51.72
3	52.13	52.05	51.80	51.61	51.37	51.24	51.23	51.36	51.67	51.63	51.85	51.83
4	52.14	52.04	51.78	51.58	51.30	51.18	51.22	51.36	51.76	51.81	51.84	51.75
5	52.20	51.98	51.78	51.51	51.22	51.17	51.29	51.41	51.90	51.81	51.82	51.61
6	52.20	51.99	51.78	51.40	51.31	51.28	51.32	51.45	51.91	51.68	51.82	51.57
7	52.22	52.01	51.74	51.55	51.32	51.29	51.32	51.45	51.91	51.56	51.88	51.70
8	52.27	52.05	51.77	51.55	51.32	51.28	51.28	51.41	51.87	51.66	51.88	51.73
9	52.27	52.07	51.82	51.45	51.36	51.24	51.25	51.37	51.80	51.84	51.82	51.59
10	52.23	52.06	51.81	51.42	51.32	51.27	51.35	51.20	51.70	51.84	51.89	51.64
11	52.33	51.99	51.76	51.42	51.37	51.28	51.44	51.19	51.77	51.77	51.98	51.84
12	52.33	51.97	51.65	51.35	51.40	51.32	51.46	51.41	51.74	51.75	51.98	51.84
13	52.26	52.10	51.71	51.29	51.50	51.37	51.45	51.40	51.66	51.85	51.92	51.69
14	52.09	52.23	51.75	51.40	51.53	51.41	51.40	51.30	51.66	51.89	51.86	51.58
15	52.10	52.20	51.78	51.42	51.53	51.42	51.59	51.30	51.66	51.79	51.78	51.78
16	52.16	52.09	51.75	51.40	51.45	51.37	51.63	51.37	51.61	51.89	51.90	51.90
17	52.23	52.06	51.66	51.38	51.48	51.30	51.62	51.37	51.59	51.90	51.90	51.92
18	52.25	52.02	51.60	51.14	51.49	51.13	51.60	51.37	51.52	51.80	51.87	51.79
19	52.21	52.03	51.64	51.10	51.49	51.19	51.61	51.58	51.55	51.96	51.79	51.71
20	52.28	52.00	51.64	51.15	51.40	51.20	51.57	51.74	51.55	52.03	51.77	51.88
21	52.28	52.05	51.64	51.20	51.34	51.30	51.45	51.73	51.47	52.04	51.92	52.07
22	52.24	52.05	51.58	51.20	51.44	51.39	51.46	51.68	51.44	52.15	51.93	52.12
23	52.16	52.03	51.52	51.18	51.43	51.40	51.48	51.46	51.41	52.14	51.91	52.11
24	52.13	51.94	51.58	51.21	51.33	51.39	51.39	51.16	51.43	52.13	52.11	52.00
25	52.24	51.86	51.60	51.34	51.37	51.40	51.27	51.21	51.56	51.87	52.12	51.95
26	52.26	51.91	51.54	51.34	51.41	51.41	51.43	51.28	51.71	51.66	52.01	51.85
27	52.27	51.92	51.51	51.38	51.41	51.47	51.44	51.43	51.74	51.81	51.92	52.00
28	52.22	51.93	51.60	51.43	51.29	51.48	51.21	51.45	51.83	51.94	51.99	52.01
29	52.11	51.96	51.63	51.35	---	51.45	51.28	51.65	51.87	51.97	51.95	52.02
30	52.00	51.96	51.64	51.35	---	51.39	51.33	51.75	51.87	51.93	51.82	52.07
31	52.15	---	51.54	51.36	---	51.37	---	51.70	---	51.87	51.39	---
MEAN	52.20	52.03	51.69	51.38	51.39	51.32	51.40	51.42	51.67	51.85	51.87	51.82
MAX	52.33	52.23	51.88	51.62	51.53	51.48	51.63	51.75	51.91	52.15	52.12	52.12
MIN	52.00	51.86	51.51	51.10	51.22	51.13	51.21	51.16	51.41	51.56	51.39	51.40



## 412851081045200. Local Number, GE-352

LOCATION.—Latitude 41°28'51", longitude 81°04'52", Geauga County, west side of State Route 608, north of Middlefield Village, by hunters' parking lot, Middlefield Township. Owner: City of Akron.

AQUIFER.—Glacial deposits of Quaternary age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 6 in., depth 122.3 ft.

INSTRUMENTATION.— Pressure transducer and data logger (records hourly).

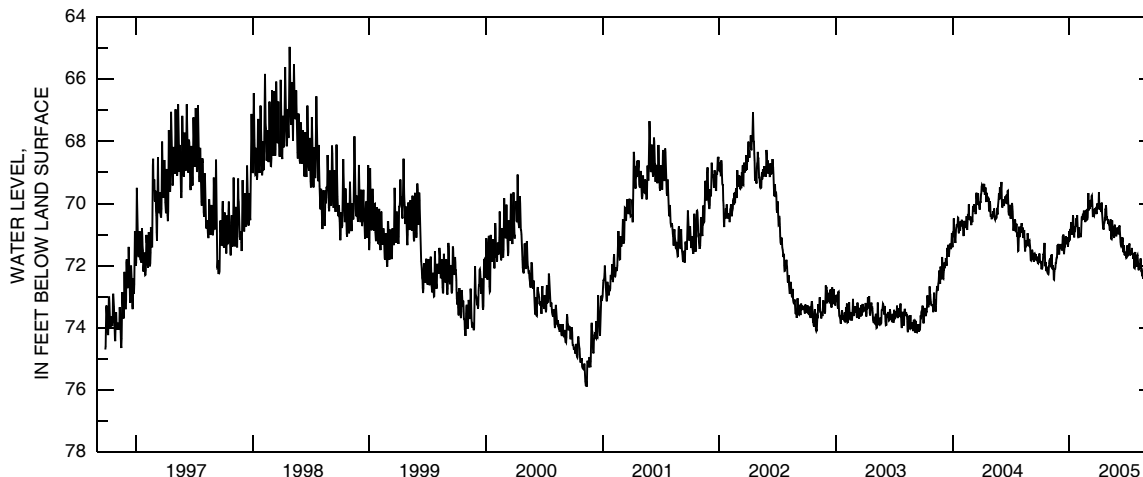
DATUM.—Elevation of land-surface datum is 1,140 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 1.15 ft above land-surface datum.

PERIOD OF RECORD.—September 25, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 64.96 ft below land-surface datum, Apr. 26, 1998; maximum daily low, 75.90 ft below land-surface datum, Nov. 11, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.84	71.79	71.39	71.17	71.07	69.67	70.18	70.50	70.86	71.35	71.67	72.08
2	71.92	71.78	71.39	71.17	71.06	70.13	70.00	70.57	70.97	71.67	71.65	72.07
3	71.89	72.05	71.44	70.82	70.99	70.22	69.64	70.66	70.97	71.70	71.79	72.38
4	71.85	72.03	71.44	70.85	70.99	70.04	69.97	70.60	70.85	71.52	71.92	72.45
5	72.09	71.71	71.39	70.88	71.06	70.15	70.14	70.69	70.91	71.41	72.12	72.33
6	72.12	71.72	71.39	70.60	71.06	70.15	70.20	70.74	70.74	71.47	72.15	72.42
7	72.06	71.64	71.30	70.82	70.73	69.89	70.00	70.85	70.71	71.36	72.01	72.40
8	72.07	72.09	71.51	71.00	70.48	69.91	70.04	70.88	70.88	71.29	71.93	72.05
9	71.99	72.09	71.48	70.97	70.49	70.08	70.24	70.66	71.08	71.55	72.03	72.10
10	71.82	71.99	71.31	70.74	70.43	70.08	70.25	70.51	71.24	71.67	72.04	72.34
11	71.65	72.14	71.06	70.66	70.42	69.76	70.06	70.83	71.35	71.63	71.82	72.46
12	71.65	72.09	71.12	70.38	70.33	69.74	69.97	71.14	71.38	71.50	71.77	72.28
13	71.57	72.45	71.00	70.47	70.53	69.90	70.33	71.15	71.36	71.55	71.94	72.12
14	71.44	72.46	71.51	70.88	70.33	70.20	70.49	70.98	71.09	71.56	72.15	72.31
15	71.27	72.20	71.63	71.07	70.23	70.41	70.63	70.55	71.20	71.43	72.14	72.36
16	71.52	72.08	71.47	71.07	70.34	70.41	70.78	70.95	71.23	71.53	72.28	72.20
17	71.98	72.13	71.40	70.76	70.27	70.18	70.82	71.02	71.10	71.65	72.34	72.22
18	72.02	72.07	71.39	70.92	70.48	70.37	70.82	70.85	71.41	71.60	72.22	72.28
19	71.88	71.92	71.14	70.79	70.60	70.39	70.62	70.75	71.57	71.71	72.38	72.24
20	72.15	71.92	71.08	70.73	70.53	70.29	70.62	71.05	71.47	71.78	72.42	72.24
21	72.15	71.80	71.08	70.64	70.24	70.16	70.50	71.11	71.35	71.59	72.18	72.37
22	72.05	71.74	71.31	70.48	70.23	70.19	70.51	70.88	71.62	71.73	72.29	72.38
23	72.07	71.73	71.22	70.74	70.39	70.17	70.20	70.68	71.66	72.08	72.41	72.15
24	72.23	71.48	71.27	70.69	70.44	70.25	70.20	70.96	71.60	72.09	72.58	72.28
25	72.24	71.33	71.27	70.38	70.52	70.17	70.06	70.96	71.67	71.64	72.70	72.35
26	72.27	71.52	71.08	70.60	70.51	70.30	70.17	70.81	71.55	71.56	72.42	72.22
27	72.28	71.52	71.39	70.86	70.44	70.34	70.45	71.03	71.68	71.85	72.26	72.12
28	72.22	71.30	71.32	71.07	70.05	70.00	70.42	71.03	71.76	71.92	72.19	72.19
29	71.97	71.60	71.17	71.06	---	70.03	70.53	70.78	71.75	71.93	72.17	72.23
30	71.85	71.64	71.18	70.76	---	70.13	70.54	70.83	71.49	72.03	71.96	72.20
31	71.81	---	70.90	70.95	---	70.08	---	70.82	---	71.93	72.08	---
MEAN	71.93	71.87	71.29	70.81	70.54	70.12	70.31	70.83	71.28	71.65	72.13	72.26
MAX	72.28	72.46	71.63	71.17	71.07	70.41	70.82	71.15	71.76	72.09	72.70	72.46
MIN	71.27	71.30	70.90	70.38	70.05	69.67	69.64	70.50	70.71	71.29	71.65	72.05



412748081172000. Local Number, GE-354

LOCATION.—Latitude 41°27'48", longitude 81°17'20", Geauga County, northwest corner of intersection of Sperry Road and State Route 87, Newbury Township.

Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well, not currently in use; diameter 6 in., depth 113.9 ft.

INSTRUMENTATION.—Pressure transducer and data logger (records hourly).

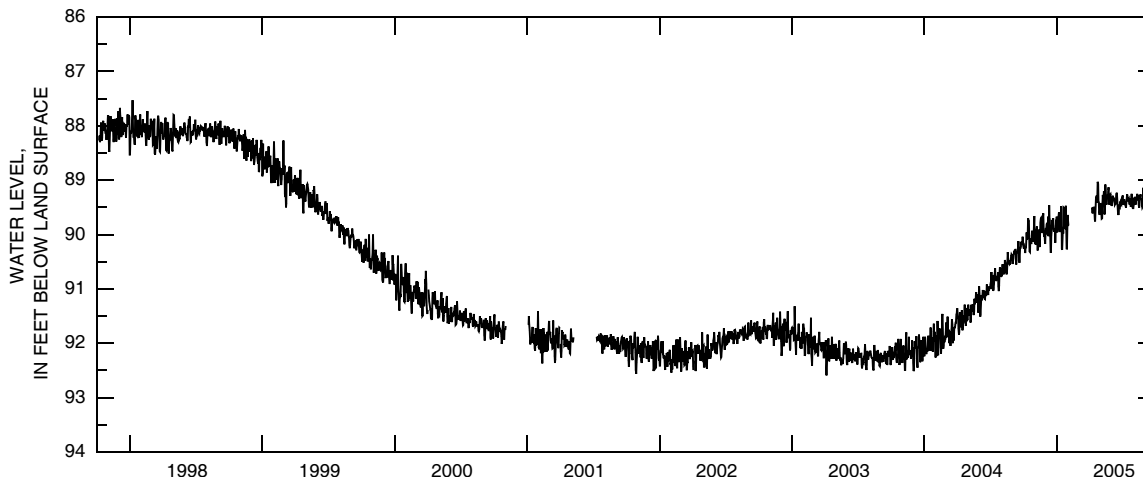
DATUM.—Elevation of land-surface datum is 1,275 ft above sea level. Measuring point: mark on wooden base of instrument shelter, 4.15 ft above land-surface datum.

PERIOD OF RECORD.—October 7, 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.—Minimum daily low, 87.53 ft below land-surface datum, Jan. 8, 1998; maximum daily low, 92.59 ft below land-surface datum, Apr. 6, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90.20	90.17	89.88	89.96	89.83	---	---	89.45	89.45	89.28	89.34	89.48
2	90.25	90.00	89.90	89.89	89.83	---	---	89.47	89.36	89.45	89.34	89.47
3	90.26	90.19	89.81	89.69	---	---	---	89.59	89.30	89.44	89.32	89.55
4	90.23	89.93	89.80	89.73	---	---	---	89.71	89.30	89.41	89.32	89.57
5	90.34	89.92	90.00	89.65	---	---	---	89.70	89.35	89.35	89.44	89.56
6	90.25	89.85	89.91	89.59	---	---	---	89.42	89.32	89.43	89.44	89.51
7	90.23	90.08	89.67	89.89	---	---	89.50	89.27	89.38	89.46	89.36	89.40
8	90.10	90.28	90.03	89.95	---	---	89.59	89.36	89.40	89.40	89.35	89.24
9	89.96	90.28	89.98	89.93	---	---	89.61	89.30	89.45	89.48	89.31	89.35
10	90.09	90.10	89.46	89.72	---	---	89.55	89.20	89.44	89.51	89.25	89.42
11	90.07	89.91	89.70	89.71	---	---	89.58	89.45	89.44	89.42	89.33	89.44
12	89.97	90.03	89.74	89.48	---	---	89.49	89.63	89.38	89.32	89.32	89.34
13	89.70	90.21	90.05	89.54	---	---	89.52	89.51	89.26	89.26	89.27	89.22
14	89.74	90.23	90.32	90.26	---	---	89.60	89.08	89.25	89.29	89.44	89.26
15	89.75	90.04	90.32	90.28	---	---	89.72	89.27	89.23	89.36	89.51	89.42
16	90.04	89.78	90.02	90.08	---	---	89.76	89.42	89.37	89.39	89.46	89.38
17	90.31	89.70	89.91	89.86	---	---	89.53	89.45	89.47	89.35	89.36	89.33
18	90.32	89.69	89.73	89.98	---	---	89.35	89.42	89.60	89.34	89.31	89.43
19	90.07	89.71	89.80	89.50	---	---	89.30	89.31	89.64	89.42	89.26	89.48
20	90.13	89.80	89.80	89.51	---	---	89.30	89.27	89.59	89.45	89.35	89.38
21	90.16	89.97	89.70	89.70	---	---	89.41	89.32	89.45	89.34	89.35	89.43
22	90.16	89.88	89.84	89.54	---	---	89.29	89.19	89.47	89.40	89.36	89.29
23	90.02	89.67	89.92	89.90	---	---	89.03	89.13	89.49	89.49	89.44	89.50
24	89.93	89.61	89.95	89.87	---	---	89.07	89.36	89.40	89.39	89.50	89.50
25	90.08	89.96	89.89	89.47	---	---	89.40	89.45	89.39	89.27	89.49	89.33
26	90.13	90.04	89.92	89.93	---	---	89.41	89.33	89.44	89.25	89.31	89.26
27	90.07	89.96	90.15	90.27	---	---	89.59	89.27	89.45	89.44	89.14	89.49
28	90.07	90.11	90.02	90.26	---	---	89.64	89.26	89.34	89.50	89.32	89.42
29	89.85	90.17	89.73	89.85	---	---	89.56	89.38	89.32	89.50	89.32	89.44
30	89.66	89.96	89.76	89.64	---	---	89.42	89.38	89.30	89.53	89.24	89.49
31	90.10	---	89.67	89.75	---	---	---	89.47	---	89.46	89.39	---
MEAN	90.07	89.97	89.88	89.82	89.83	---	89.47	89.38	89.40	89.40	89.35	89.41
MAX	90.34	90.28	90.32	90.28	89.83	---	89.76	89.71	89.64	89.53	89.51	89.57
MIN	89.66	89.61	89.46	89.47	89.83	---	89.03	89.08	89.23	89.25	89.14	89.22



## 412934081084600. Local Number, GE-365

LOCATION.—Latitude 41°29'34", longitude 81°08'46", Geauga County, 13800 Claridon-Troy Road, Burton Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Domestic water-supply well; diameter 6 in., depth 57 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,190 ft above sea level. Measuring point: top of casing 1.17 ft above land-surface datum.

PERIOD OF RECORD.—March 21, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.58 ft below land-surface datum, Apr. 8, 2004; lowest measured, 14.83 ft below land-surface datum, Sept. 24, 2002.

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

Date	Water level
10-12-2004	14.45
12-09-2004	13.96
02-03-2005	13.45
04-07-2005	12.63
06-09-2005	14.01
08-04-2005	14.58

## 412603081074000. Local Number, GE-366

LOCATION.—Latitude 41°26'03", longitude 81°07'40", Geauga County, 14350 Hubbard Road, Burton Township. Owner: privately owned.

AQUIFER.—Pottsville Formation (sandstone) of Pennsylvanian age.

WELL CHARACTERISTICS.—Private water-supply well; diameter 5.63 in., depth 86 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 1,170 ft above sea level. Measuring point: top of casing 1.45 ft above land-surface datum.

PERIOD OF RECORD.—May 22, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 18.74 ft below land-surface datum, Apr. 7, 2005; lowest measured, 33.05\* ft below land-surface datum, Aug. 4, 2005.

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

Date	Water level
10-12-2004	23.58
12-09-2004	24.70
02-03-2005	21.41
04-07-2005	18.74
06-09-2005	22.06*
08-04-2005	33.05*

## Project Data—Columbus Well Field, Southern Franklin County, Ohio

The following tables contain ground-water-level measurements from a network of wells in southern Franklin County. The data were collected as part of a cooperative study with the City of Columbus.



## 394956083002700. Local Number, FR-18

LOCATION.—Latitude 39°49'56", longitude 83°00'27", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 6 in., depth 86.4 ft.

INSTRUMENTATION.—Electronic data logger operated by Ohio Department of Natural Resources, Division of Water. Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 691.07 ft above sea level. Measuring point: Top of casing, 3.85 ft above land-surface datum.

PERIOD OF RECORD.—Continuous data March 1986 to current year. Periodic measurements November 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 6.74 ft below land-surface datum, June 4, 1997; lowest measured, 33.15 ft below land-surface datum, Feb. 19, 20, 21 and 22, 1992.

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

Date	Water level
10-07-2004	28.23
08-25-2005	32.86

## 395037082581900. Local Number, FR-36

LOCATION.—Latitude 39°50'37", longitude 82°58'19", Hydrologic Unit 05060001. Owner: J.P. Sand and Gravel.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 4 in., depth 31 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 711.07 ft above sea level. Measuring point: Top of casing, 1.46 ft above land-surface datum.

PERIOD OF RECORD.—October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 10.03 ft below land-surface datum, Oct. 17, 1979; lowest measured, 21.69 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-07-2004	16.07
08-25-2005	13.76

## 394927082595800. Local Number, FR-70

LOCATION.—Latitude 39°49'27", longitude 82°59'58", Hydrologic Unit 05060001. Owner: St. Joseph Cemetery.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, depth 59 ft; 4 in. casing.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 698.90 ft above sea level. Measuring point: Top of concrete base, 0.35 ft above land-surface datum.

PERIOD OF RECORD.—April 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 13.24 ft below land-surface datum, Mar. 18, 1991; lowest measured, 34.06 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-07-2004	28.88
08-25-2005	34.06



395019083003300. Local Number, FR-104

LOCATION.—Latitude 39°50'19", longitude 83°00'33", Hydrologic Unit 05060001. Owner: City of Columbus

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 79.3 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 683.97 ft above sea level. Measuring point: Top of casing, 3.06 ft above land-surface datum.

PERIOD OF RECORD.—December 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.51 ft below land-surface datum, May 31, 1996; lowest measured, 53.59 ft below land-surface datum, Dec. 11, 1991.

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

Date	Water level
10-08-2004	31.49
08-26-2005	41.98

395039082585800. Local Number, FR-115

LOCATION.—Latitude 39°50'39", longitude 82°58'58", Hydrologic Unit 05060001, near Hamilton Meadows. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 116 ft.

INSTRUMENTATION.—Data logger and pressure transducer, 60-minute record.

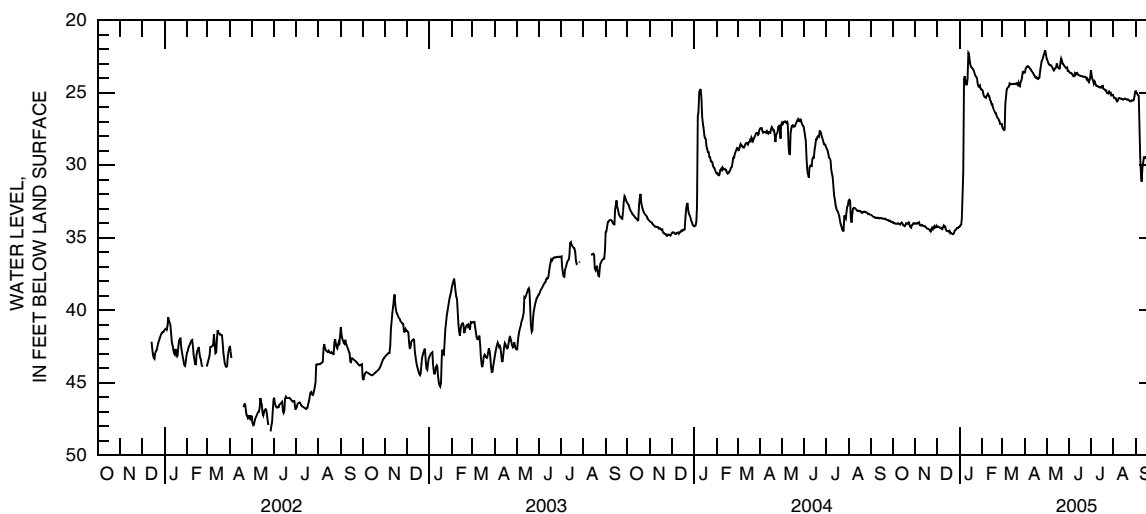
DATUM.—Elevation of land-surface datum is 720.52 ft above sea level. Measuring point: Floor of instrument shelter, 2.10 ft above land-surface datum.

PERIOD OF RECORD.—August 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 48.35 ft below land-surface datum, May 27, 2002; minimum daily low, 22.06 ft below land-surface datum, Apr. 29, 2005.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.92	34.00	34.26	34.22	24.79	27.41	23.60	22.66	23.56	23.44	25.24	24.88
2	33.98	34.02	34.23	34.13	24.90	27.50	23.33	22.76	23.62	23.82	25.37	25.00
3	33.98	34.03	34.24	34.09	25.16	27.56	23.23	22.94	23.62	24.05	25.35	25.09
4	34.02	33.96	34.26	33.70	25.27	27.53	23.17	23.01	23.64	24.16	25.37	25.17
5	34.03	33.98	34.32	32.02	25.30	25.76	23.16	23.08	23.72	24.36	25.52	25.21
6	34.02	33.93	34.32	30.56	25.34	25.17	23.22	23.11	23.79	24.23	25.60	27.08
7	34.02	34.10	34.37	24.05	25.20	24.75	23.24	23.10	23.86	24.36	25.54	29.42
8	33.99	34.15	34.40	23.84	25.16	24.65	23.34	23.16	23.85	24.49	25.38	30.71
9	34.01	34.15	34.25	24.16	25.07	24.60	23.38	23.28	23.65	24.51	25.35	31.11
10	34.05	34.11	34.14	24.43	25.22	24.54	23.49	23.38	23.72	24.54	25.38	30.13
11	34.08	34.16	34.22	24.42	25.25	24.34	23.56	23.46	23.64	24.57	25.40	29.88
12	34.00	34.17	34.22	24.04	25.50	24.39	23.60	23.38	23.62	24.61	25.40	29.45
13	33.94	34.20	34.42	22.23	25.59	24.42	23.74	23.28	23.74	24.63	25.43	29.47
14	33.99	34.19	34.51	22.31	25.80	24.38	23.80	23.25	23.77	24.60	25.47	29.43
15	34.10	34.22	34.52	22.84	25.80	24.40	23.92	22.96	23.80	24.63	25.44	29.50
16	34.15	34.32	34.52	23.13	26.03	24.38	23.97	23.19	23.83	24.64	25.42	29.51
17	34.19	34.36	34.58	23.22	26.18	24.37	23.92	23.28	23.84	24.46	25.39	29.51
18	34.13	34.37	34.53	23.29	26.26	24.40	24.02	23.33	23.84	24.69	25.42	29.64
19	34.00	34.38	34.69	23.34	26.40	24.38	24.04	23.31	23.85	24.74	25.47	29.70
20	34.01	34.43	34.66	23.42	26.40	24.33	23.98	22.88	23.89	24.78	25.47	29.76
21	34.03	34.50	34.70	23.57	26.60	24.38	23.94	22.64	23.89	24.85	25.44	29.81
22	34.03	34.56	34.73	23.75	26.71	24.45	23.46	22.78	23.89	24.84	25.49	29.85
23	33.89	34.37	34.75	23.86	26.76	24.29	23.15	22.98	23.90	25.01	25.53	29.94
24	34.16	34.29	34.68	23.91	26.88	24.49	22.80	23.03	23.93	25.00	25.59	29.90
25	34.25	34.40	34.50	23.98	26.96	24.55	22.71	23.13	24.06	25.05	25.59	29.95
26	34.30	34.30	34.47	24.44	27.15	24.29	22.55	23.18	24.01	24.91	25.52	31.11
27	34.14	34.19	34.44	24.57	27.15	24.14	22.36	23.26	24.17	25.03	25.53	32.29
28	34.10	34.29	34.32	24.57	27.14	23.95	22.21	23.28	24.26	24.99	25.53	32.76
29	34.00	34.27	34.32	24.49	---	23.57	22.06	23.24	24.14	25.18	25.49	33.13
30	34.00	34.16	34.31	24.74	---	23.53	22.37	23.48	23.90	25.15	25.24	32.32
31	34.02	---	34.24	24.78	---	23.61	---	23.48	---	25.14	24.90	---
MAX	34.30	34.56	34.75	34.22	27.15	27.56	24.04	23.48	24.26	25.18	25.60	33.13
MIN	33.89	33.93	34.14	22.23	24.79	23.53	22.06	22.64	23.56	23.44	24.90	24.88
WTR YR 2005		HIGH	22.06	LOW	34.75							



395058083002400. Local Number, FR-119

LOCATION.—Latitude 39°50'58", longitude 83°00'24", Hydrologic Unit 05060001. Owner: Franklin County.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 85 ft.

INSTRUMENTATION.—Data logger and pressure transducer, 60-minute record.

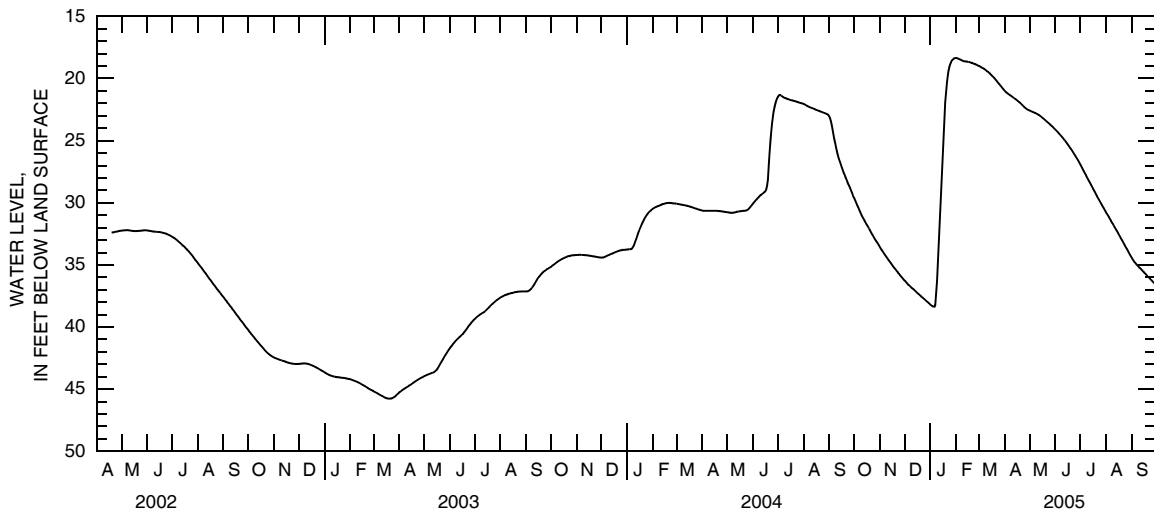
DATUM.—Elevation of land-surface datum is 700 ft above sea level. Measuring point: Floor of shelter, 2.48 ft above land-surface datum.

PERIOD OF RECORD.—October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 52.34 ft below land-surface datum, Mar. 4-7, 1992; minimum daily low, 11.10 ft below land-surface datum, June 17, 1981.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.61	33.54	36.26	38.19	18.35	19.00	21.00	22.58	24.12	26.92	30.77	34.42
2	29.77	33.66	36.34	38.25	18.36	19.04	21.07	22.61	24.19	27.05	30.87	34.53
3	29.93	33.77	36.41	38.31	18.38	19.08	21.13	22.64	24.26	27.18	30.99	34.63
4	30.08	33.87	36.49	38.34	18.41	19.12	21.20	22.67	24.33	27.31	31.10	34.73
5	30.24	33.97	36.55	38.36	18.44	19.15	21.24	22.70	24.41	27.44	31.22	34.82
6	30.39	34.07	36.62	38.36	18.47	19.19	21.29	22.73	24.49	27.56	31.33	34.90
7	30.55	34.17	36.68	38.20	18.50	19.24	21.34	22.75	24.56	27.69	31.45	34.98
8	30.70	34.25	36.75	37.44	18.54	19.28	21.39	22.79	24.64	27.82	31.57	35.05
9	30.85	34.35	36.81	36.30	18.57	19.33	21.43	22.82	24.72	27.95	31.68	35.12
10	30.99	34.45	36.86	34.98	18.60	19.38	21.48	22.86	24.80	28.07	31.80	35.19
11	31.12	34.55	36.93	33.59	18.62	19.44	21.53	22.90	24.88	28.20	31.92	35.26
12	31.25	34.64	36.98	32.19	18.62	19.49	21.57	22.95	24.97	28.31	32.02	35.33
13	31.37	34.74	37.04	30.77	18.63	19.55	21.62	22.99	25.05	28.44	32.14	35.40
14	31.49	34.83	37.11	29.16	18.64	19.62	21.67	23.04	25.13	28.57	32.26	35.47
15	31.61	34.92	37.17	27.46	18.65	19.68	21.73	23.09	25.22	28.69	32.38	35.54
16	31.73	35.01	37.24	25.78	18.67	19.75	21.77	23.14	25.32	28.82	32.50	35.61
17	31.84	35.10	37.30	24.29	18.68	19.82	21.83	23.20	25.41	28.95	32.62	35.68
18	31.96	35.19	37.35	23.00	18.70	19.89	21.89	23.25	25.51	29.08	32.73	35.75
19	32.08	35.28	37.42	21.92	18.72	19.96	21.94	23.31	25.61	29.20	32.86	35.83
20	32.20	35.37	37.47	21.03	18.74	20.04	22.01	23.37	25.70	29.33	32.98	35.90
21	32.32	35.45	37.54	20.32	18.77	20.12	22.07	23.43	25.81	29.46	33.10	35.96
22	32.45	35.54	37.59	19.79	18.79	20.20	22.13	23.49	25.91	29.58	33.22	36.03
23	32.57	35.62	37.65	19.36	18.82	20.28	22.20	23.55	26.01	29.70	33.34	36.11
24	32.68	35.71	37.71	19.07	18.85	20.37	22.26	23.61	26.12	29.82	33.46	36.18
25	32.79	35.79	37.77	18.84	18.87	20.45	22.33	23.67	26.23	29.94	33.58	36.25
26	32.91	35.88	37.83	18.66	18.91	20.53	22.39	23.74	26.34	30.06	33.70	36.32
27	33.01	35.96	37.89	18.55	18.94	20.61	22.44	23.79	26.45	30.18	33.83	36.39
28	33.12	36.04	37.94	18.47	18.97	20.70	22.49	23.85	26.55	30.29	33.95	36.46
29	33.21	36.11	38.01	18.42	---	20.79	22.52	23.92	26.67	30.41	34.07	36.53
30	33.32	36.19	38.06	18.38	---	20.86	22.55	23.99	26.80	30.53	34.19	36.60
31	33.43	---	38.13	18.35	---	20.94	---	24.05	---	30.65	34.31	---
MAX	33.43	36.19	38.13	38.36	18.97	20.94	22.55	24.05	26.80	30.65	34.31	36.60
MIN	29.61	33.54	36.26	18.35	18.35	19.00	21.00	22.58	24.12	26.92	30.77	34.42
WTR YR 2005		HIGH	18.35	LOW	38.36							



## 395117083011600. Local Number, FR-120

LOCATION.—Latitude 39°51'17", longitude 83°01'16", Hydrologic Unit 05060001, near Columbus. Owner: Franklin County.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 72 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 685 ft above sea level. Measuring point: Floor of instrument shelter, 6.65 ft above land-surface datum.

PERIOD OF RECORD.—Continuous data April 1981 to June 1987. Periodic measurements October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 3.36 ft above land-surface datum, Mar. 21, 1984; lowest measured, 35.24 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-08-2004	14.30
08-26-2005	22.04

## 395123083003301. Local Number, FR-121A

LOCATION.—Latitude 39°51'23", longitude 83°00'33", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 52 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 690.99 ft above sea level. Measuring point: Top of outer steel casing, 3.16 ft above land-surface datum.

PERIOD OF RECORD.—March 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 8.53 ft below land-surface datum, Mar. 26, 1993; lowest measured, 40.35 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	21.84
08-25-2005	25.58

## 395059083000901. Local Number, FR-122A

LOCATION.—Latitude 39°50'59", longitude 83°00'09", Hydrologic Unit 05060002, U.S. 23 south of Olen quarry, near Shadeville. Owner: Franklin County.

AQUIFER.—Clay, sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 4 in., depth 52.17 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 730.18 ft above sea level. Measuring point: Top of PVC casing, 2.72 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 40.69 ft below land-surface datum, Sept. 4, 1996; lowest measured, 49.94 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	42.49
08-25-2005	41.53

395131082592400. Local Number, FR-123

LOCATION.—Latitude 39°51'31", longitude 82°59'24", Hydrologic Unit 05060001, near Hamilton Meadows. Owner: Franklin County.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 36.5 ft.

INSTRUMENTATION.—Data logger, 60-minute record. Instrumentation removed Aug. 11, 2003. Periodic measurements by steel or electric tape will continue.

DATUM.—Elevation of land-surface datum is 705.87 ft above sea level. Measuring point: Floor of shelter, 2.25 ft above land-surface datum.

PERIOD OF RECORD.—November 1977 to Aug. 11 2003, daily record; periodic measurements thereafter.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 18.55 ft below land-surface datum, May 12, 1992; minimum daily low, 6.20 ft below land-surface datum, June 9, 1996.

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

Date	Water level
10-07-2004	13.40
08-26-2005	7.91

### 395008082593100. Local Number, FR-126

LOCATION.—Latitude 39°50'08", longitude 82°59'31", Hydrologic Unit 05060001, near Shadeville. Owner: Franklin County.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 122 ft.

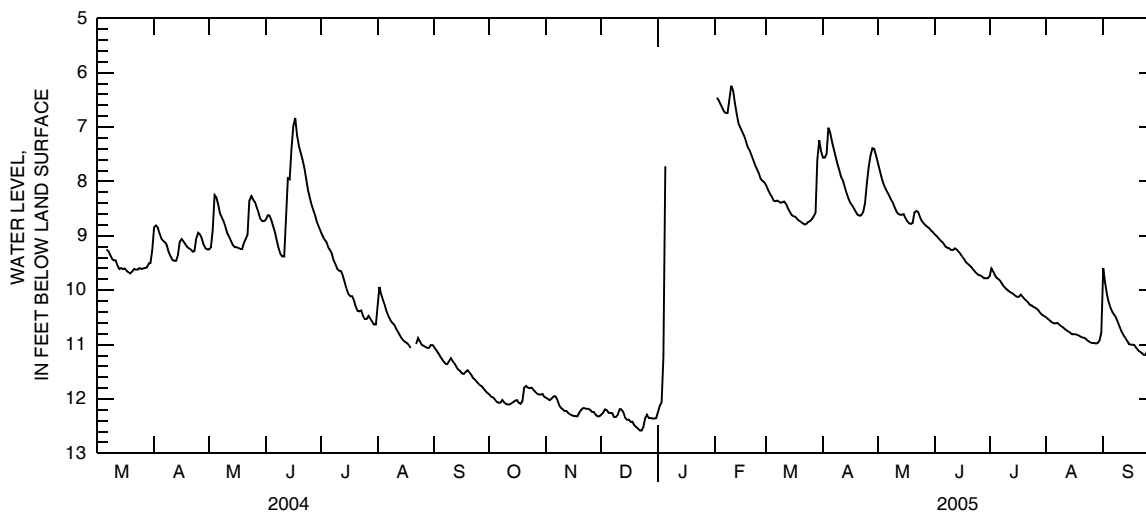
INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel. Data logger and pressure transducer March 2004 to present.

DATUM.—Elevation of land-surface datum is 701.06 ft above sea level. Measuring point: Top of PVC casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.—October 1977 to current year. Water level data from Jan. 6 to Feb. 1, 2005 not used in daily values calculations when high stage in Big Walnut Creek crested above the top of the well casing.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 51.42 ft below land-surface datum, Nov. 9, 1977; minimum daily low, 1.96 ft below land-surface datum, June 17, 1981.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.92	11.98	12.29	12.24	---	8.07	7.56	7.65	8.97	9.74	10.50	9.59
2	11.96	12.00	12.25	12.12	6.46	8.15	7.56	7.79	9.00	9.60	10.53	9.85
3	11.97	12.02	12.19	12.06	6.50	8.22	7.49	7.92	9.04	9.66	10.56	10.07
4	12.01	11.99	12.20	11.23	6.57	8.27	7.01	8.04	9.08	9.73	10.59	10.22
5	12.05	11.95	12.25	7.72	6.64	8.35	7.11	8.12	9.11	9.78	10.61	10.33
6	12.07	11.95	12.26	---	6.71	8.36	7.27	8.19	9.15	9.80	10.61	10.40
7	12.07	12.01	12.26	---	6.74	8.35	7.40	8.25	9.20	9.84	10.60	10.45
8	12.02	12.11	12.33	---	6.74	8.37	7.55	8.32	9.22	9.89	10.63	10.51
9	12.06	12.16	12.33	---	6.48	8.39	7.68	8.38	9.23	9.94	10.66	10.59
10	12.09	12.19	12.29	---	6.24	8.38	7.80	8.46	9.26	9.97	10.68	10.68
11	12.10	12.22	12.19	---	6.33	8.37	7.92	8.54	9.26	10.00	10.71	10.76
12	12.10	12.22	12.19	---	6.56	8.42	7.99	8.59	9.23	10.03	10.74	10.82
13	12.08	12.26	12.24	---	6.77	8.50	8.11	8.61	9.25	10.05	10.76	10.87
14	12.06	12.28	12.34	---	6.94	8.56	8.23	8.61	9.29	10.07	10.78	10.93
15	12.03	12.30	12.38	---	7.01	8.62	8.32	8.60	9.33	10.10	10.81	10.99
16	12.02	12.31	12.38	---	7.09	8.64	8.40	8.67	9.38	10.12	10.81	11.00
17	12.07	12.32	12.42	---	7.16	8.65	8.44	8.73	9.42	10.12	10.81	11.00
18	12.09	12.32	12.42	---	7.26	8.69	8.50	8.77	9.48	10.08	10.82	11.01
19	12.04	12.25	12.48	---	7.37	8.72	8.56	8.78	9.51	10.12	10.84	11.06
20	11.79	12.20	12.51	---	7.43	8.74	8.61	8.76	9.54	10.16	10.86	11.10
21	11.76	12.17	12.54	---	7.52	8.77	8.63	8.57	9.57	10.19	10.87	11.13
22	11.79	12.17	12.58	---	7.61	8.79	8.62	8.54	9.62	10.22	10.88	11.15
23	11.80	12.18	12.58	---	7.70	8.78	8.56	8.56	9.66	10.27	10.91	11.19
24	11.79	12.18	12.51	---	7.77	8.74	8.40	8.66	9.69	10.28	10.94	11.19
25	11.83	12.20	12.35	---	7.85	8.73	8.02	8.73	9.72	10.31	10.96	11.11
26	11.87	12.24	12.29	---	7.95	8.69	7.74	8.77	9.73	10.32	10.97	11.03
27	11.90	12.24	12.35	---	7.99	8.64	7.53	8.81	9.75	10.35	10.97	10.98
28	11.92	12.29	12.35	---	8.01	8.57	7.39	8.83	9.78	10.39	10.98	10.97
29	11.92	12.32	12.36	---	---	7.60	7.40	8.86	9.78	10.43	10.97	11.06
30	11.91	12.32	12.36	---	---	7.24	7.52	8.90	9.78	10.46	10.92	11.13
31	11.96	---	12.35	---	---	7.44	---	8.93	---	10.48	10.78	---
MAX	12.10	12.32	12.58	12.24	8.01	8.79	8.63	8.93	9.78	10.48	10.98	11.19
MIN	11.76	11.95	12.19	7.72	6.24	7.24	7.01	7.65	8.97	9.60	10.50	9.59
WTR YR 2005		HIGH	6.24	LOW	12.58							



**395126083014000. Local Number, FR-131**

LOCATION.—Latitude 39°51'26", longitude 83°01'40", Hydrologic Unit 05060001, near Columbus. Owner: Franklin County.

AQUIFER.—Clay, sand, and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 53 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 728.06 ft above sea level. Measuring point: Top of plastic coupling, 1.52 ft above land-surface datum.

PERIOD OF RECORD.—October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 37.41 ft below land-surface datum, Sept. 5, 1996; lowest measured, dry on Dec. 10, 1991, Mar. 16, June 12, July 28, 1992, Apr. 11, 1995, and Mar. 2, 2000.

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

Date	Water level
10-08-2004	49.78
08-26-2005	51.46

**395020083014400. Local Number, FR-141**

LOCATION.—Latitude 39°50'20", longitude 83°01'44", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled domestic water well, diameter 4.25 in., depth 64 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 719.45 ft above sea level. Measuring point: Top of casing, 0.57 ft above land-surface datum.

PERIOD OF RECORD.—September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 25.60 ft below land-surface datum, June 3, 1996; lowest measured, 31.72 ft below land-surface datum, Dec. 10, 1991.

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

Date	Water level
10-08-2004	27.98
08-25-2005	28.95

**395027082592500. Local Number, FR-151**

LOCATION.—Latitude 39°50'27", longitude 82°59'25", Hydrologic Unit 05060001, near Shadeville. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 60.3 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 716.51 ft above sea level. Measuring point: Top of plastic pipe, 3.14 ft above land-surface datum.

PERIOD OF RECORD.—July 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 22.38 ft below land-surface datum, Aug. 25, 2005; lowest measured, 37.56 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-07-2004	27.67
08-25-2005	22.38

## 395314083021900. Local Number, FR-202

LOCATION.—Latitude 39°53'14", longitude 83°02'19", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled domestic water well, diameter 4 in., depth 220 ft, cased to 175 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 751.38 ft above sea level. Measuring point: Top of casing, 1.06 ft above land-surface datum.

PERIOD OF RECORD.—June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 66.17 ft below land-surface datum, June 25, 1979; lowest measured, 96.50 ft below land-surface datum, July 19, 1984.

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

Date	Water level
10-08-2004	86.36
08-25-2005	88.80

## 395206083014501. Local Number, FR-209

LOCATION.—Latitude 39°52'06", longitude 83°01'45", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled domestic water well, diameter 4 in.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 706.17 ft above sea level. Measuring point: Top of casing, 0.78 ft above land-surface datum.

PERIOD OF RECORD.—June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.51 ft below land-surface datum, May 23, 1984; lowest measured, 18.11 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-08-2004	15.47
08-25-2005	16.23

## 395315083020002. Local Number, FR-213

LOCATION.—Latitude 39°53'15", longitude 83°02'00", Hydrologic Unit 05060001. Owner: Tom Cannon Company.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled commercial water well, diameter 5 in., depth 97 ft, cased to 97 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 731.42 ft above sea level. Measuring point: Top of casing, 0.80 ft above land-surface datum.

PERIOD OF RECORD.—June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 71.38 ft below land-surface datum, June 8, 1982; lowest measured, 84.83 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-08-2004	79.60
08-25-2005	79.00



395055082592400. Local Number, FR-271

LOCATION.—Latitude 39°50'55", longitude 82°59'24", Hydrologic Unit 0506000. Owner: Franklin County.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, depth 86.00 ft; 76 ft of 2 in. casing.

INSTRUMENTATION.—Data logger, 60-minute record.

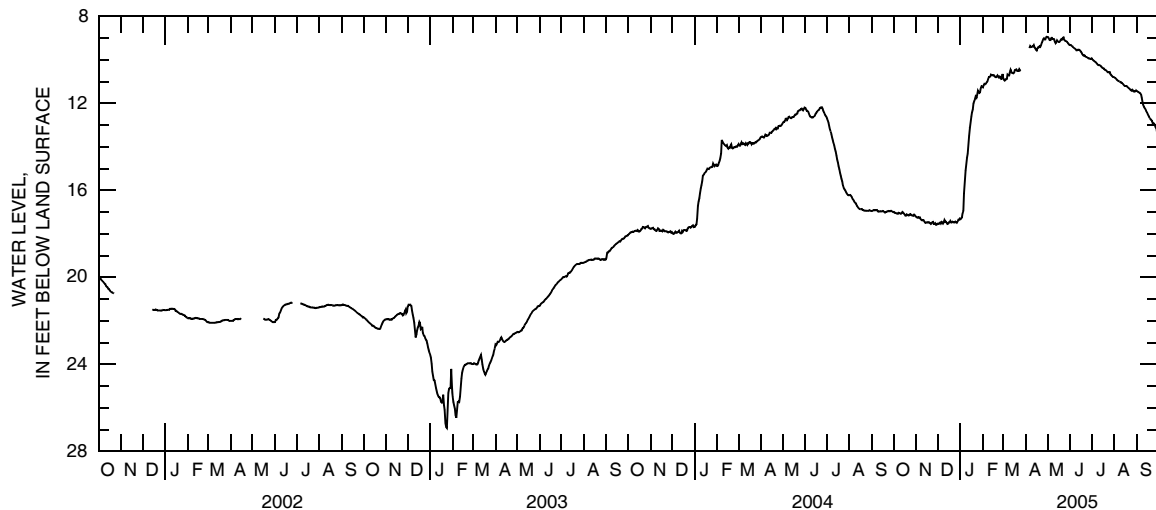
DATUM.—Elevation of land-surface datum is 708.28 ft above sea level. Measuring point: Top of PVC casing, 2.53 ft above land-surface datum.

PERIOD OF RECORD.—September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 26.93 ft below land-surface datum, Jan. 24, 2003; minimum daily low, 8.94 ft below land-surface datum, Apr. 30, 2005.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.99	17.22	17.54	17.32	11.26	10.84	---	8.96	9.31	9.93	10.80	11.42
2	17.03	17.24	17.54	17.28	11.16	10.92	---	8.96	9.32	9.99	10.83	11.45
3	17.03	17.26	17.50	17.25	11.10	10.95	---	9.03	9.34	10.02	10.85	11.47
4	17.04	17.23	17.48	17.05	11.12	10.90	---	9.09	9.38	10.04	10.88	11.50
5	17.06	17.26	17.52	16.93	11.10	10.90	---	9.09	9.40	10.07	10.93	11.52
6	17.07	17.24	17.45	16.13	11.04	10.88	9.46	9.01	9.44	10.10	10.96	11.54
7	17.07	17.32	17.48	15.55	10.99	10.67	9.36	8.99	9.47	10.12	10.97	11.60
8	17.03	17.36	17.53	15.09	10.89	10.71	9.41	9.04	9.49	10.17	11.00	11.74
9	17.04	17.38	17.47	14.83	10.79	10.72	9.40	9.04	9.52	10.22	11.01	11.95
10	17.07	17.36	17.37	14.49	10.79	10.59	9.39	9.05	9.56	10.25	11.02	12.08
11	17.07	17.37	17.44	14.32	10.77	10.46	9.38	9.15	9.56	10.24	11.06	12.17
12	17.04	17.42	17.44	13.86	10.67	10.53	9.32	9.23	9.53	10.25	11.07	12.21
13	16.99	17.48	17.49	13.49	10.70	10.60	9.42	9.19	9.53	10.26	11.11	12.27
14	17.02	17.49	17.54	13.12	10.71	10.61	9.47	9.10	9.54	10.30	11.15	12.35
15	17.06	17.48	17.53	12.91	10.72	10.62	9.53	9.14	9.57	10.35	11.19	12.41
16	17.11	17.47	17.47	12.61	10.70	10.59	9.57	9.17	9.63	10.37	11.20	12.48
17	17.16	17.48	17.46	12.42	10.74	10.47	9.48	9.18	9.67	10.39	11.20	12.55
18	17.16	17.46	17.40	12.28	10.78	10.46	9.42	9.16	9.75	10.40	11.20	12.63
19	17.10	17.47	17.48	12.01	10.80	10.44	9.43	9.09	9.79	10.45	11.25	12.68
20	17.13	17.51	17.48	11.89	10.77	10.50	9.37	9.05	9.81	10.47	11.27	12.74
21	17.15	17.54	17.44	11.81	10.72	10.51	9.40	9.06	9.79	10.49	11.30	12.76
22	17.15	17.51	17.47	11.68	10.79	10.51	9.33	8.99	9.84	10.53	11.33	12.80
23	17.10	17.46	17.47	11.73	10.82	10.42	9.21	8.97	9.86	10.57	11.37	12.91
24	17.09	17.45	17.48	11.62	10.77	10.49	9.14	9.08	9.87	10.57	11.40	12.94
25	17.13	17.54	17.43	11.42	10.79	10.46	9.04	9.12	9.89	10.58	11.42	12.93
26	17.15	17.54	17.46	11.48	10.87	---	9.00	9.13	9.92	10.57	11.37	12.99
27	17.16	17.51	17.49	11.53	10.86	---	9.06	9.14	9.94	10.67	11.41	13.09
28	17.17	17.58	17.43	11.50	10.65	---	9.06	9.18	9.94	10.70	11.45	13.12
29	17.12	17.58	17.35	11.29	---	---	8.96	9.22	9.96	10.75	11.46	13.31
30	17.14	17.53	17.35	11.21	---	---	8.94	9.27	9.96	10.78	11.44	13.37
31	17.20	---	17.29	11.23	---	---	---	9.31	---	10.78	11.40	---
MAX	17.20	17.58	17.54	17.32	11.26	10.95	9.57	9.31	9.96	10.78	11.46	13.37
MIN	16.99	17.22	17.29	11.21	10.65	10.42	8.94	8.96	9.31	9.93	10.80	11.42
WTR YR 2005		HIGH	8.94	LOW	17.58							



395055082592401. Local Number, FR-272

LOCATION.—Latitude 39°50'55", longitude 82°59'24", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, diameter 2 in., depth 45 ft.

INSTRUMENTATION.—Data logger and pressure transducer, 60-minute record.

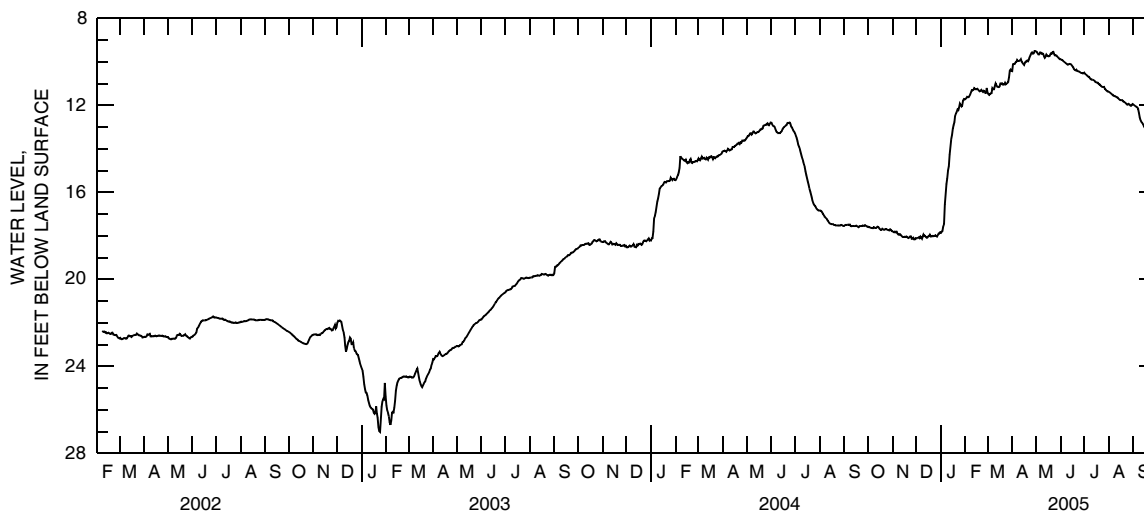
DATUM.—Elevation of land-surface datum is 708.87 ft above sea level. Measuring point: Floor of shelter, 2.36 ft above land-surface datum.

PERIOD OF RECORD.—September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily low, 27.02 ft below land-surface datum, Jan. 24, 2003; minimum daily low, 9.50 ft below land-surface datum, Apr. 30, 2005.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.57	17.79	18.12	17.86	11.71	11.42	10.42	9.52	9.88	10.49	11.38	11.96
2	17.60	17.81	18.11	17.81	11.67	11.49	10.11	9.53	9.89	10.55	11.40	11.99
3	17.60	17.84	18.09	17.78	11.61	11.52	10.09	9.60	9.91	10.58	11.43	12.02
4	17.62	17.80	18.06	17.56	11.63	11.47	10.10	9.66	9.95	10.61	11.46	12.05
5	17.64	17.84	18.10	17.45	11.62	11.45	10.03	9.66	9.98	10.65	11.50	12.06
6	17.64	17.81	18.03	16.56	11.56	11.44	10.01	9.57	10.01	10.68	11.54	12.09
7	17.65	17.89	18.07	16.11	11.50	11.21	9.91	9.57	10.04	10.69	11.55	12.17
8	17.60	17.93	18.13	15.62	11.40	11.26	9.96	9.62	10.07	10.74	11.58	12.34
9	17.61	17.95	18.05	15.35	11.30	11.26	9.96	9.61	10.10	10.79	11.58	12.55
10	17.64	17.92	17.93	14.99	11.31	11.13	9.95	9.63	10.13	10.82	11.60	12.68
11	17.64	17.94	18.00	14.80	11.29	11.00	9.94	9.74	10.12	10.81	11.63	12.76
12	17.61	17.99	18.00	14.26	11.20	11.08	9.88	9.81	10.09	10.83	11.64	12.80
13	17.57	18.04	18.05	13.93	11.23	11.14	10.00	9.76	10.10	10.84	11.68	12.86
14	17.59	18.06	18.09	13.55	11.26	11.15	10.04	9.66	10.11	10.87	11.72	12.95
15	17.64	18.05	18.08	13.36	11.26	11.16	10.10	9.71	10.14	10.92	11.75	13.01
16	17.69	18.04	18.02	13.07	11.24	11.13	10.14	9.74	10.20	10.94	11.76	13.08
17	17.73	18.05	18.01	12.90	11.28	11.00	10.04	9.75	10.25	10.96	11.76	13.14
18	17.73	18.02	17.95	12.76	11.33	11.00	9.99	9.73	10.34	10.96	11.76	13.22
19	17.67	18.04	18.03	12.48	11.36	10.98	9.99	9.65	10.37	11.02	11.82	13.28
20	17.70	18.08	18.03	12.37	11.32	11.04	9.94	9.61	10.39	11.04	11.83	13.33
21	17.72	18.10	18.00	12.29	11.28	11.05	9.97	9.62	10.36	11.05	11.86	13.35
22	17.72	18.08	18.02	12.18	11.35	11.04	9.89	9.55	10.42	11.11	11.89	13.39
23	17.68	18.03	18.00	12.22	11.39	10.96	9.77	9.54	10.43	11.14	11.93	13.50
24	17.68	18.02	18.01	12.10	11.33	11.03	9.69	9.65	10.44	11.15	11.97	13.54
25	17.71	18.13	17.97	11.92	11.35	11.00	9.60	9.70	10.46	11.16	11.97	13.52
26	17.73	18.13	18.01	11.98	11.43	10.97	9.56	9.70	10.49	11.15	11.93	13.58
27	17.74	18.09	18.04	12.05	11.42	10.92	9.62	9.71	10.51	11.25	11.97	13.69
28	17.75	18.16	17.97	12.00	11.20	10.72	9.61	9.76	10.51	11.27	12.01	13.72
29	17.70	18.16	17.90	11.78	---	10.40	9.51	9.80	10.53	11.32	12.02	13.93
30	17.72	18.11	17.90	11.71	---	10.35	9.50	9.84	10.52	11.36	11.99	13.98
31	17.78	---	17.84	11.73	---	10.41	---	9.88	---	11.36	11.94	---
MAX	17.78	18.16	18.13	17.86	11.71	11.52	10.42	9.88	10.53	11.36	12.02	13.98
MIN	17.57	17.79	17.84	11.71	11.20	10.35	9.50	9.52	9.88	10.49	11.38	11.96
WTR YR 2005		HIGH	9.50	LOW	18.16							



**395224083000500. Local Number, FR-273**

LOCATION.—Latitude 39°52'24", longitude 83°00'05", Hydrologic Unit 05060001. Owner: Franklin County.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, depth 91.5 ft; 2 in. casing.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 704.82 ft above sea level. Measuring point: Top of steel protective casing, 1.23 ft above land-surface datum.  
 PERIOD OF RECORD.—June 1990 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 13.50 ft below land-surface datum, June 27, 1990; lowest measured, 20.78 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-07-2004	17.53
08-25-2005	18.13

**395224083000501. Local Number, FR-274**

LOCATION.—Latitude 39°52'24", longitude 83°00'05", Hydrologic Unit 05060001. Owner: Franklin County.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, depth 25 ft; 4 in. casing.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel. Continuous data Jan. 1991 to Sept. 1991.  
 DATUM.—Elevation of land-surface datum is 704.75 ft above sea level. Measuring point: Top of steel protective casing, 3.03 ft above land-surface datum.  
 PERIOD OF RECORD.—June 1990 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.38 ft below land-surface datum, Apr. 19, 1991; lowest measured, 17.35 ft below land-surface datum, Dec. 2, 1996.

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

Date	Water level
10-07-2004	14.69
08-25-2005	15.02

**395239083021400. Local Number, FR-276**

LOCATION.—Latitude 39°52'39", longitude 83°02'14", Hydrologic Unit 05060001. Owner: privately owned.  
 AQUIFER.—Devonian limestone.  
 WELL CHARACTERISTICS.—Drilled domestic water well, depth 155 ft.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 754.68 ft above sea level. Measuring point: Top of casing, 1.11 ft above land-surface datum.  
 PERIOD OF RECORD.—July 1984 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 71.46 ft below land-surface datum, Mar. 18, 1991; lowest measured, 76.05 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-08-2004	73.00
08-25-2005	74.51

## 394930083013100. Local Number, FR-277

LOCATION.—Latitude 39°49'30", longitude 83°01'31", Hydrologic unit 05060001. Owner: privately owned.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled domestic water well, depth 52 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 711.31 ft above sea level. Measuring point: Top of casing, 1.15 ft above land-surface datum.

PERIOD OF RECORD.—September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 14.79 ft below land-surface datum, June 3, 1996; lowest measured, 21.33 ft below land-surface datum, Dec. 10, 1991.

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

Date	Water level
10-08-2004	19.10
08-25-2005	19.49

## 395115083022600. Local Number, FR-278

LOCATION.—Latitude 39°51'15", longitude 83°02'26", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Quaternary sand and gravel-primary; Devonian limestone-secondary.

WELL CHARACTERISTICS.—Drilled domestic water well, diameter 5 in., depth 114 ft, 10 ft screen.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 739.32 ft above sea level. Measuring point: Top of casing, 0.81 ft above land-surface datum.

PERIOD OF RECORD.—September 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 29.07 ft below land-surface datum, Dec. 15, 1993; lowest measured, 37.91 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	32.02
08-25-2005	37.91

## 394932083022700. Local Number, FR-279

LOCATION.—Latitude 39°49'32", longitude 83°02'27", Hydrologic unit 05060001. Owner: privately owned.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled domestic water well, diameter 5 in., depth 145 ft, cased to 102 ft.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 734.71 ft above sea level. Measuring point: Top of casing, 1.32 ft above land-surface datum.

PERIOD OF RECORD.—October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 7.85 ft below land-surface datum, Mar. 18, 1991; lowest measured, 23.54 ft below land-surface datum, Sept. 12, 1991

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

Date	Water level
10-08-2004	12.38
08-25-2005	11.46

**395000082581700. Local Number, FR-281**

LOCATION.—Latitude 39°50'00", longitude 82°58'17", Hydrologic Unit 05060001. Owner: Hamilton Township Trustees.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled domestic water-supply well, depth 83 ft, 4 in. steel casing.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 731.42 ft above sea level. Measuring point: top of casing, 1.20 ft above land-surface datum.  
 PERIOD OF RECORD.—January 1976 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 35.21 ft below land-surface datum, May 31, 1996; lowest measured, 42.42 ft below land-surface datum, Mar. 16, 1992.

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

Date	Water level
10-07-2004	38.32
08-25-2005	37.31

**394921083004700. Local Number, FR-282**

LOCATION.—Latitude 39°49'21", longitude 83°00'47", Hydrologic Unit 05060001. Owner: City of Columbus.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, depth 56 ft, 2 in. PVC.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 679.28 ft above sea level. Measuring point: top of casing, 2.85 ft above land-surface datum.  
 PERIOD OF RECORD.—June 1992 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 0.75 ft below land-surface datum, Mar. 26, 1993; lowest measured, 16.37 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-07-2004	14.47
08-25-2005	16.37

**395048083004500. Local Number, FR-310**

LOCATION.—Latitude 39°50'48", longitude 83°00'45", Hydrologic Unit 05060001. Owner: City of Columbus.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, 2 in. diameter PVC, 61 ft deep.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 682.72 ft above sea level. Measuring point: top of outer steel protective casing, 3.80 ft above land-surface datum.  
 PERIOD OF RECORD.—March 1993 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 8.21 ft below land-surface datum, May 31, 1996; lowest measured, 24.61 ft below land-surface datum, Aug. 9, 2002.

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

Date	Water level
10-08-2004	20.29
08-25-2005	24.15

## 395044083010500. Local Number, FR-311

LOCATION.—Latitude 39°50'44", longitude 83°01'05", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 2 in. diameter PVC, 42 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 685.15 ft above sea level. Measuring point: top of outer steel protective casing, 3.95 ft above land-surface datum.

PERIOD OF RECORD.—March 1993 to current year

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 5.86 ft below land-surface datum, May 31, 1996; lowest measured, 18.53 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	14.86
08-25-2005	18.53

## 395151082591700. Local Number, FR-312

LOCATION.—Latitude 39°51'51", longitude 82°59'17", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 54.5 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 725.62 ft above sea level. Measuring point: Top of PVC casing, 0.20 ft below land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.45 ft below land-surface datum, Nov. 19, 1996; lowest measured, 33.24 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
08-26-2005	26.38

## 394948082583400. Local Number, FR-313

LOCATION.—Latitude 39°49'48", longitude 82°58'34", Hydrologic Unit 05060001. Owner: privately owned.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 79 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 744.55 ft above sea level. Measuring point: Top of PVC casing, 0.18 ft below land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 51.58 ft below land-surface datum, May 31, 1996; lowest measured, 57.48 ft below land-surface datum, Dec. 7, 1995.

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

Date	Water level
10-07-2004	53.18
08-25-2005	52.62

**395241082584500. Local Number, FR-314**

LOCATION.—Latitude 39°52'41", longitude 82°58'45", Hydrologic Unit 05060001. Owner: WTVN.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 72 ft deep.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 733.30 ft above sea level. Measuring point: Top of PVC casing, 0.12 ft below land-surface datum.  
 PERIOD OF RECORD.—September 1995 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 16.97 ft below land-surface datum, Mar. 31, 1996; lowest measured, 25.21 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	21.51
08-26-2005	21.44

**395100083015700. Local Number, FR-315**

LOCATION.—Latitude 39°51'00", longitude 83°01'57", Hydrologic Unit 05060001. Owner: SW Conservation Club.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 65 ft deep.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 729.31 ft above sea level. Measuring point: Top of PVC casing, 0.24 ft below land-surface datum.  
 PERIOD OF RECORD.—September 1995 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 18.63 ft below land-surface datum, June 3, 1996; lowest measured, 30.89 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	26.79
08-25-2005	27.33

**395035083014700. Local Number, FR-316**

LOCATION.—Latitude 39°50'35", longitude 83°01'47", Hydrologic Unit 05060001. Owner: SW Conservation Club.  
 AQUIFER.—Sand and gravel of Quaternary age.  
 WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 62 ft deep.  
 INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.  
 DATUM.—Elevation of land-surface datum is 725.53 ft above sea level. Measuring point: Top of PVC casing, 3.05 ft above land-surface datum.  
 PERIOD OF RECORD.—September 1995 to current year.  
 EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 29.68 ft below land-surface datum, Nov. 20, 1996; lowest measured, 39.41 ft below land-surface datum, Dec. 10, 1997.

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

Date	Water level
10-08-2004	35.32
08-25-2005	35.43

## 395153083014000. Local Number, FR-317

LOCATION.—Latitude 39°51'53", longitude 83°01'40", Hydrologic Unit 05060001. Owner: Heimat Haus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 40 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 689.53 ft above sea level. Measuring point: Top of PVC casing, 0.12 ft below land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 2.44 ft below land-surface datum, Feb. 28, 1996; lowest measured, 7.01 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	6.37
08-25-2005	6.50

## 395042082585900. Local Number, FR-318

LOCATION.—Latitude 39°50'42", longitude 82°58'59", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 85 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 738.69 ft above sea level. Measuring point: Top of PVC casing, 3.37 ft above land-surface datum.

PERIOD OF RECORD.—August 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 43.02 ft below land-surface datum, Aug. 25, 2005; lowest measured, 56.83 ft below land-surface datum, Aug. 9, 2002.

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

Date	Water level
10-07-2004	49.67
08-25-2005	43.02

## 395205083001500. Local Number, FR-319

LOCATION.—Latitude 39°52'05", longitude 83°00'15", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 55 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 721.59 ft above sea level. Measuring point: Top of PVC casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 29.75 ft below land-surface datum, June 3, 1996; lowest measured, 37.47 ft below land-surface datum, Sept. 14, 1997.

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

Date	Water level
10-07-2004	33.45
08-25-2005	33.69



**394954083002801. Local Number, FR-320**

LOCATION.—Latitude 39°49'54", longitude 83°00'28", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 70 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 690.64 ft above sea level. Measuring point: Top of PVC casing, 3.22 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.25 ft below land-surface datum, May 31, 1996; lowest measured, 32.48 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-07-2004	28.00
08-25-2005	32.48

**395038083002100. Local Number, FR-321**

LOCATION.—Latitude 39°50'38", longitude 83°00'21", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 68 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 696.87 ft above sea level. Measuring point: Top of PVC casing, 2.87 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 22.41 ft below land-surface datum, Mar. 17, 1997; lowest measured, 56.11 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	43.66
08-25-2005	56.11

**395146082594300. Local Number, FR-323**

LOCATION.—Latitude 39°51'46", longitude 82°59'43", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 59.5 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 714.21 ft above sea level. Measuring point: Top of PVC casing, 2.74 ft above land-surface datum.

PERIOD OF RECORD.—February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 16.69 ft below land-surface datum, May 31, 1996; lowest measured, 24.49 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	23.87
08-25-2005	18.25

## 395146082594301. Local Number, FR-324

LOCATION.—Latitude 39°51'46", longitude 82°59'43", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 169.98 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 714.28 ft above sea level. Measuring point: Top of PVC casing, 2.62 ft above land-surface datum.

PERIOD OF RECORD.—March 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 29.75 ft below land-surface datum, Aug. 25, 2005; lowest measured, 156.30 ft below land-surface datum, Aug. 13, 1996.

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

Date	Water level
10-07-2004	76.98
08-25-2005	29.75

## 395010083000200. Local Number, FR-325

LOCATION.—Latitude 39°50'10", longitude 83°00'02", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 93 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 718.82 ft above sea level. Measuring point: Top of PVC casing, 3.24 ft above land-surface datum.

PERIOD OF RECORD.—February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 29.49 ft below land-surface datum, May 31, 1996; lowest measured, 36.80 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	32.38
08-25-2005	32.64

## 395133083001800. Local Number, FR-327

LOCATION.—Latitude 39°51'33", longitude 83°00'18", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 74.75 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 740.78 ft above sea level. Measuring point: Top of PVC casing, 2.76 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 44.77 ft below land-surface datum, Aug. 20, 1996; lowest measured, 57.07 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	50.70
08-25-2005	49.98

**395108082591100. Local Number, FR-329**

LOCATION.—Latitude 39°51'08", longitude 82°59'11", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 69.19 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 733.01 ft above sea level. Measuring point: Top of PVC casing, 3.05 ft above land-surface datum.

PERIOD OF RECORD.—May 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 34.38 ft below land-surface datum, Mar. 17, 1997; lowest measured, 44.61 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	41.01
08-25-2005	35.30

**395108082591101. Local Number, FR-330**

LOCATION.—Latitude 39°51'08", longitude 82°59'11", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 211 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 734.58 ft above sea level. Measuring point: Top of PVC casing, 2.32 ft above land-surface datum.

PERIOD OF RECORD.—October 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 88.71 ft below land-surface datum, Aug. 25, 2005; lowest measured, 95.00 ft below land-surface datum, Oct. 12, 1995.

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

Date	Water level
10-07-2004	90.76
08-25-2005	88.71

**395054082585300. Local Number, FR-331**

LOCATION.—Latitude 39°50'54", longitude 82°58'53", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 74.33 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 738.36 ft above sea level. Measuring point: Top of PVC casing, 2.95 ft above land-surface datum.

PERIOD OF RECORD.—December 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 40.86 ft below land-surface datum, Aug. 25, 2005; lowest measured, 51.31 ft below land-surface datum, Aug. 9, 2002.

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

Date	Water level
10-07-2004	46.72
08-25-2005	40.86

## 395031082590000. Local Number, FR-332

LOCATION.—Latitude 39°50'31", longitude 82°59'00", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 48.03 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 707.25 ft above sea level. Measuring point: Top of PVC casing, 2.97 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.56 ft below land-surface datum, Aug. 25, 2005; lowest measured, 31.57 ft below land-surface datum, Aug. 9, 2002.

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

Date	Water level
10-07-2004	24.98
08-25-2005	12.56

## 395031082590001. Local Number, FR-333

LOCATION.—Latitude 39°50'31", longitude 82°59'00", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 194.39 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 706.75 ft above sea level. Measuring point: Top of PVC casing, 2.90 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 39.93 ft below land-surface datum, Aug. 25, 2005; lowest measured, 135.40 ft below land-surface datum, Mar. 13, 1996.

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

Date	Water level
10-07-2004	40.27
08-25-2005	39.93

## 395139082581600. Local Number, FR-334

LOCATION.—Latitude 39°51'39", longitude 82°58'16", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 64.42 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 740.14 ft above sea level. Measuring point: Top of PVC casing, 0.34 ft below land-surface datum.

PERIOD OF RECORD.—March 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 28.45 ft below land-surface datum, May 31, 1996; lowest measured, 36.36 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	34.03
08-25-2005	33.62

**395134082590600. Local Number, FR-335**

LOCATION.—Latitude 39°51'34", longitude 82°59'06", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 59.86 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 734.59 ft above sea level. Measuring point: Top of PVC casing, 0.30 ft below land-surface datum.

PERIOD OF RECORD.—May 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 34.03 ft below land-surface datum, May 31, 1996; lowest measured, 43.62 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	40.77
08-25-2005	35.62

**395108083010601. Local Number, FR-336**

LOCATION.—Latitude 39°51'08", longitude 83°01'06", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 59 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 685.43 ft above sea level. Measuring point: Top of PVC casing, 3.27 ft above land-surface datum.

PERIOD OF RECORD.—December 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 10.61 ft below land-surface datum, May 31, 1996; lowest measured, 31.75 ft below land-surface datum, Nov. 21, 1996.

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

Date	Water level
10-08-2004	19.56
08-25-2005	30.50

**395115083010601. Local Number, FR-337**

LOCATION.—Latitude 39°51'15", longitude 83°01'06", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 55 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 686.6 ft above sea level. Measuring point: Top of PVC casing, 2.64 ft above land-surface datum.

PERIOD OF RECORD.—September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.76 ft below land-surface datum, May 31, 1996; lowest measured, 33.23 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	21.26
08-25-2005	33.23

## 395115083010602. Local Number, FR-338

LOCATION.—Latitude 39°51'15", longitude 83°01'06", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 105 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 685.85 ft above sea level. Measuring point: Top of PVC casing, 3.12 ft above land-surface datum.

PERIOD OF RECORD.—February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 4.87 ft below land-surface datum, May 31, 1996; lowest measured, 42.71 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	17.21
08-25-2005	25.56

## 395046083003106. Local Number, FR-339

LOCATION.—Latitude 39°50'46", longitude 83°00'31", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 70 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 696.17 ft above sea level. Measuring point: Top of PVC casing, 2.78 ft above land-surface datum.

PERIOD OF RECORD.—June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 21.11 ft below land-surface datum, Mar. 17, 1997; lowest measured, 59.50 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	44.50
08-25-2005	59.50

## 395046083003107. Local Number, FR-340

LOCATION.—Latitude 39°50'46", longitude 83°00'31", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 138 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 696.15 ft above sea level. Measuring point: Top of PVC casing, 2.91 ft above land-surface datum.

PERIOD OF RECORD.—February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 21.95 ft below land-surface datum, Mar. 17, 1997; lowest measured, 55.90 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	42.83
08-25-2005	55.90

**395020083003406. Local Number, FR-341**

LOCATION.—Latitude 39°50'20", longitude 83°00'34", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 75 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 683.06 ft above sea level. Measuring point: Top of PVC casing, 3.16 ft above land-surface datum.

PERIOD OF RECORD.—November 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.79 ft below land-surface datum, May 31, 1996; lowest measured, 41.03 ft below land-surface datum, Aug. 25, 2005.

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

Date	Water level
10-08-2004	30.73
08-25-2005	41.03

**395020083003407. Local Number, FR-342**

LOCATION.—Latitude 39°50'20", longitude 83°00'34", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Devonian limestone.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 123 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 683.35 ft above sea level. Measuring point: Top of PVC casing, 2.77 ft above land-surface datum.

PERIOD OF RECORD.—February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.80 ft below land-surface datum, Mar. 17, 1997; lowest measured, 27.02 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-08-2004	20.14
08-25-2005	26.14

**395222083002901. Local Number, FR-344**

LOCATION.—Latitude 39°52'22", longitude 83°00'29", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 134 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 707.61 ft above sea level. Measuring point: Top of PVC casing, 2.52 ft above land-surface datum.

PERIOD OF RECORD.—May 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 37.26 ft below land-surface datum, Aug. 13, 1996; lowest measured, 95.68 ft below land-surface datum, Mar. 17, 1997.

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

Date	Water level
10-07-2004	47.69
08-25-2005	45.15

## 395236083004201. Local Number, FR-345

LOCATION.—Latitude 39°52'36", longitude 83°00'42", Hydrologic Unit 05060001. Owner: City of Columbus.

AQUIFER.—Sand and gravel.

WELL CHARACTERISTICS.—Drilled observation water well, 4 in. diameter, 45 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 688.90 ft above sea level. Measuring point: Top of PVC casing, 2.97 ft above land-surface datum.

PERIOD OF RECORD.—August 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 14.40 ft below land-surface datum, Apr. 29, 2004; lowest measured, 25.52 ft below land-surface datum, Mar. 2, 2000.

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

Date	Water level
10-07-2004	18.04
08-25-2005	22.34

## 395156082571800. Local Number, FR-351

LOCATION.—Latitude 39°51'56", longitude 82°57'18", Hydrologic Unit 05060001. Owner: Privately owned.

AQUIFER.—Sand and gravel.

WELL CHARACTERISTICS.—Drilled observation water well, 4.25 in. diameter, 60 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 740 ft above sea level. Measuring point: Top of PVC casing, 0.30 ft above land-surface datum.

PERIOD OF RECORD.—August 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 33.61 ft below land-surface datum, Apr. 29, 2004; lowest measured, 35.42 ft below land-surface datum, Aug. 25, 2003.

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

Date	Water level
10-08-2004	35.26
08-26-2005	35.10

## 395237082591600. Local Number, FR-352

LOCATION.—Latitude 39°52'37", longitude 82°59'16", Hydrologic Unit 05060001. Owner: Privately owned.

AQUIFER.—Sand and gravel.

WELL CHARACTERISTICS.—Drilled observation water well, 4.25 in. diameter, 87 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 735 ft above sea level. Measuring point: Top of PVC casing, 1.25 ft above land-surface datum.

PERIOD OF RECORD.—August 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 30.01 ft below land-surface datum, Apr. 29, 2004; lowest measured, 32.79 ft below land-surface datum, Aug. 25, 2003.

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

Date	Water level
10-08-2004	31.43
08-25-2005	31.71



**395325082582400. Local Number, FR-353**

LOCATION.—Latitude 39°53'25", longitude 82°58'24", Hydrologic Unit 05060001. Owner: Privately owned.

AQUIFER.—Sand and gravel.

WELL CHARACTERISTICS.—Drilled observation water well, 6 in. diameter, 58 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 745 ft above sea level. Measuring point: Top of PVC casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.—August 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 30.15 ft below land-surface datum, Apr. 29, 2004; lowest measured, 32.27 ft below land-surface datum, Aug. 25, 2003.

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

Date	Water level
10-08-2004	30.83
08-25-2005	30.73

**395328082582100. Local Number, FR-354**

LOCATION.—Latitude 39°53'28", longitude 82°58'21", Hydrologic Unit 05060001. Owner: Privately owned.

AQUIFER.—Gravel.

WELL CHARACTERISTICS.—Drilled observation water well, 5 in. diameter, 50 ft deep.

INSTRUMENTATION.—Periodic measurement with steel or electric tape by USGS personnel.

DATUM.—Elevation of land-surface datum is 745 ft above sea level. Measuring point: Top of PVC casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.—August 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 30.47 ft below land-surface datum, Apr. 29, 2004; lowest measured, 32.55 ft below land-surface datum, Aug. 25, 2003.

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

Date	Water level
10-08-2004	31.12
08-25-2005	30.98

The following table contains discharge data collected August 2005. Location may not match Site ID for existing sites, which are noted with asterisks (\*). DRY, indicates no visible surface-water flow.

[ft<sup>3</sup>/s, cubic feet per second]

### Stream Discharge Measurements

Site ID	Site Name	Location	Date	Discharge (ft <sup>3</sup> /s)
395417083003200*	Jackson Pike STP outfall at Columbus OH	Lat 39°54'31", Long 83°00'50"	08/25/05	102 <sup>a</sup>
395325083004200	Columbus Limestone outflow to Scioto River	Lat 39°53'25", Long 83°00'42"	08/25/05	15.6 <sup>b</sup>
395406083001100	Scioto River above Kian Run near Columbus OH	Lat 39°54'06", Long 83°00'11"	08/25/05	156
395408083000200*	Kian Run at Columbus OH	Lat 39°54'07", Long 83°00'04"	08/25/05	1.95
395328083003500*	Scioto R 2.4 mi below Frank Rd at Columbus OH	Lat 39°53'28", Long 83°00'37"	08/25/05	172
395250083010900*	Scioto Big Run at Columbus OH	Lat 39°52'49", Long 83°01'09"	08/25/05	6.02
395301083014000	Unnamed trib to Scioto R at SR104 0.1 mi S of I270	Lat 39°53'01", Long 83°01'40"	08/25/05	DRY
395244083010700*	Scioto R below Scioto Big Run at Columbus OH	Lat 39°52'41", Long 83°01'09"	08/25/05	168
395226083013900	Unnamed trib to Scioto R at SR104 0.8 mi S of I270	Lat 39°52'26", Long 83°01'39"	08/25/05	0.02
395151083014000	Unnamed trib to Scioto R at SR104 1.5 mi S of I270	Lat 39°51'51", Long 83°01'40"	08/25/05	0.30
395110083011000	Scioto R above CW-101 near Columbus OH	Lat 39°51'10", Long 83°01'10"	08/25/05	176
395037083010100*	Grant Run near Shadeville OH	Lat 39°50'35", Long 83°01'09"	08/25/05	DRY
395042083004701	Scioto R between CW-101 and CW-103 nr Columbus OH	Lat 39°50'42", Long 83°00'47"	08/25/05	169
395046083003200*	Scioto River at FR-103-CW Columbus OH	Lat 39°50'46", Long 83°00'33"	08/25/05	173
395021083003600*	Scioto River at CW-104 near Columbus OH	Lat 39°50'22", Long 83°00'35"	08/25/05	164
394928083003900	Scioto R at Scioto Canoe Livery near Shadeville OH	Lat 39°49'28", Long 83°00'39"	08/25/05	170
394902083010200	S. Waste Water Plant lagoon outflow to Scioto R	Lat 39°49'02", Long 83°01'02"	08/25/05	3.40 <sup>c</sup>
394902083010300*	Plum Run near Shadeville OH	Lat 39°49'01", Long 83°01'04"	08/25/05	0.14
394856083005800	Scioto R at S. Waste Water Plant nr Shadeville OH	Lat 39°48'56", Long 83°00'58"	08/25/05	184

Stream Discharge Measurements

Site ID	Site Name	Location	Date	Discharge (ft <sup>3</sup> /s)
394852083004900	S. Waste Water Treatment Plant outflow to Scioto R	Lat 39°48'52", Long 83°00'49"	08/25/05	95.8 <sup>c</sup>
394804083003500	Scioto River above Big Walnut Creek	Lat 39°48'04", Long 83°00'35"	08/25/05	261
395123082562100	Big Walnut Creek at Alum Creek Drive	Lat 39°51'23", Long 82°56'21"	08/25/05	64.9
03229500*	Big Walnut Creek at Reese Road	Lat 39°51'16", Long 82°57'29"	08/25/05	69.8
395058082582200	Big Walnut Creek at Lockbourne Road	Lat 39°50'58", Long 82°58'22"	08/25/05	70.1
395039082585500	J&P Gravel outflow to Big Walnut Creek	Lat 39°50'39", Long 82°58'55"	08/25/05	0.00 <sup>d</sup>
394958082593400	Big Walnut Creek at SR317	Lat 39°49'58", Long 82°59'34"	08/25/05	56.2
394918082585400	Big Walnut Creek near Camp St. Joseph	Lat 39°49'18", Long 82°58'54"	08/25/05	65.9
394918082585100	S&S Aggregate outflow to Big Walnut Creek	Lat 39°49'18", Long 82°58'51"	08/25/05	0.00 <sup>e</sup>
394838082583100	Big Walnut Creek at Rowe Road	Lat 39°48'38", Long 82°58'31"	08/25/05	66.8
394826082594300	Big Walnut Creek at US23	Lat 39°48'26", Long 82°59'43"	08/25/05	90.0
394759083002800	Big Walnut Creek above mouth	Lat 39°47'59", Long 83°00'28"	08/25/05	73.3

a Discharge reported from Jackson Pike Sewage Treatment Plant.  
 b Discharge reported from Columbus Limestone.  
 c Discharge reported from Columbus Southern Waste Water Treatment Plant.  
 d Discharge reported from J&P Gravel.  
 e Discharge reported from S&S Aggregate.