
TABLES

ABBREVIATIONS AND REPORTING UNITS FOR PHYSICAL PROPERTIES, CHEMICAL CONSTITUENTS, FECAL INDICATOR BACTERIA, NITROGEN ISOTOPIC COMPOSITION, AND NOTATIONS USED IN TABLE 2

Q	Discharge, in cubic feet per second	mm/dd/yyyy	Month, day, year
T	Temperature, in degrees Celsius	--	No data
SC	Specific conductance, in microsiemens per centimeter at 25 degrees Celsius	P	Poultry well open only or mostly to the Springfield Plateau aquifer, with poultry litter application in spring 2000 and in previous years
DO	Dissolved oxygen, in milligrams per liter	P1	Data for P well sampled in May 2000 and used for statistical tests
pH	In standard units	<	Less than
NO _{2t} +NO _{3t}	Total nitrite plus nitrate as nitrogen, in milligrams per liter	P(old)	Poultry well open only or mostly to the Springfield Plateau aquifer, with poultry litter application only in years before 2000
NO _{2t}	Total nitrite as nitrogen, in milligrams per liter	*	Sample results not used for statistical tests
NH _{3t}	Total ammonia as nitrogen, in milligrams per liter	P(deep)	Poultry well too deep to be open only or mostly to the Springfield Plateau aquifer
P _t	Total phosphorus, in milligrams per liter	P2	Data for P well sampled in October or November 2000 and used for statistical tests
PO _{4t}	Total orthophosphorus as phosphorus, in milligrams per liter	Ag(deep)	Agriculture well too deep to be open only or mostly to the Springfield Plateau aquifer
FC	Fecal coliform density, in colonies per 100 milliliters	Ag	Agriculture well open only or mostly to the Springfield Plateau aquifer
<i>E. coli</i>	<i>Escherichia coli</i> density, in colonies per 100 milliliters	Ag1	Data for Ag well sampled in May 2000 and used for statistical tests
FS	Fecal streptococcus density, in colonies per 100 milliliters	Ag2	Data for Ag well sampled in October or November 2000 and used for statistical tests
Alk _(it)	Total acid neutralizing capacity, incremental titration, in milligrams per liter	Sp	Spring
HCO _{3(it)}	Bicarbonate, total, incremental titration, in milligrams per liter	Sp1	Data for spring sampled in May 2000 and used in statistical tests
CO _{3(it)}	Carbonate, total, incremental titration, in milligrams per liter	>	Greater than
Solids	Dissolved solids, in milligrams per liter	Sp2	Data for spring sampled in October or November 2000 and used for statistical tests
Hard	Hardness, total, in milligrams per liter as CaCO ₃		
Ca	Calcium, dissolved, in milligrams per liter		
Mg	Magnesium, dissolved, in milligrams per liter		
K	Potassium, dissolved, in milligrams per liter		
Na	Sodium, dissolved, in milligrams per liter		
Cl	Chloride, dissolved, in milligrams per liter		
F	Fluoride, dissolved, in milligrams per liter		
SO ₄	Sulfate, dissolved, in milligrams per liter		
B	Boron, dissolved, in micrograms per liter		
Sr	Strontium, dissolved, in micrograms per liter		
δ ¹⁵ N	Nitrogen-15 isotopic composition, as ‰ (per mil)		

Table 1. Site type, well-construction data, and water-level data for wells in the sample network

[OZA, Ozark aquifer; mm/dd/yyyy, month, day, year; P, poultry well open only or mostly to Springfield Plateau aquifer, with poultry litter application in spring 2000 and in previous years; SPA, Springfield Plateau aquifer; --, no data; SPA/OZA, Springfield Plateau aquifer and Ozark aquifer; P(old), poultry well open only or mostly to Springfield Plateau aquifer, with poultry litter application only in years prior to 2000; P(deep), poultry well too deep to be open only or mostly to the Springfield Plateau aquifer; approx, approximate value provided by well owner; ?, questionable; >, greater than; Ag(deep), agriculture well too deep to be open only or mostly to the Springfield Plateau aquifer; Ag, agriculture well open only or mostly to Springfield Plateau aquifer; ALLUV, alluvium; all depths in feet below land surface]

Well number	Site type	Well depth	Casing depth	Aquifer open to well	Estimated interval of well open to OZA (feet)	Depth to water	Date of water-level measurement (mm/dd/yyyy)
1	P	200	105	SPA	0	66.2	05/02/2000
2	P	357	85	SPA	0	--	--
3	P	370	--	SPA/OZA	20	--	--
4	P	110	--	SPA	0	81.8	05/03/2000
5	P	330	84	SPA	0	153.3	05/09/2000
6	P(old)	323	126	SPA	0	--	--
7	P	430	150	SPA/OZA	90	152.1	05/05/2000
8	P(deep)	approx 550	--	OZA	all ?	>300	05/03/2000
9	P(old)	280	--	SPA	0	--	--
10	P(old)	approx 70	--	SPA	0	28.3	05/03/2000
11	P	270	--	SPA	0	--	--
12	P(old)	280	60	SPA	0	--	--
13	P	approx 350	--	SPA/OZA	20	--	--
14	P	approx 375	--	SPA/OZA	100	--	--
15	P	232	80	SPA	0	--	--
16	P	310	126	SPA/OZA	65	64.6	05/09/2000
17	P	approx 330	--	SPA	0	149.0	05/04/2000
18	P	approx 350	--	SPA/OZA	50	--	--
19	Ag(deep)	330	260	OZA	70	50.3	05/17/2000
20	P	330	84	SPA/OZA	20	116.3	05/18/2000
21	Ag	382	169	SPA/OZA	30	--	--
22	Ag	425	35	SPA/OZA	50	90.3	05/18/2000
23	P	200	80	SPA	0	109.2	05/10/2000
24	Ag	approx 180	--	SPA	0	--	--
25	P	400	--	SPA/OZA	100	--	--
26	P	approx 250	--	SPA	0	--	--
27	Ag	27	--	ALLUV	0	--	--
28	P	365	105	SPA	0	--	--
29	Ag	90	--	SPA	0	--	--
30	Ag	156	--	SPA	0	--	--
31	P	180	--	SPA	0	--	--
32	Ag	approx 250	--	SPA	0	--	--
33	Ag	360	approx 50	SPA/OZA	80	--	--
34	Ag	--	--	SPA ?	0	--	--
35	Ag	--	--	SPA ?	0	57.0	05/11/2000
36	Ag	--	--	SPA ?	0	--	--
37	P(deep)	540	--	SPA/OZA	220	--	--
38	Ag	200	--	SPA	0	--	--
39	P	100	--	SPA	0	--	--
40	Ag	approx 300	--	SPA	0	--	--
41	Ag	100	approx 20	SPA	0	--	--
42	P	450	--	SPA/OZA	100	--	--
43	P	approx 250	--	SPA	0	--	--
44	Ag	150	--	SPA	0	--	--
45	P	270	--	SPA	0	64.0	05/18/2000
46	P	440	--	SPA/OZA	120	--	--
47	P	285	--	SPA	0	--	--