

Table 1. Wells completed in alluvial aquifers in eastern Iowa and southern Minnesota from which water samples were collected, June–July 1998

Well number (fig. 1)	Location (degrees, minutes, seconds)		Date sampled (month-day-year)	Well depth (feet)	County, State	Major land-use type ¹	Percentage of major land-use type	Secondary land-use type ¹	Percentage of secondary land-use type
	Latitude	Longitude							
1	41°05' 13"	91°43' 04"	07-22-98	14	Jefferson, IA	syb.rwc	43	gen.wpl	21
2	41°09' 56"	91°13' 56"	06-24-98	25	Louisa, IA	syb.rwc	50	crf.rwc	48
3	41°16' 22"	91°19' 34"	06-24-98	70	Louisa, IA	crl.npd	55	gen.wpl	14
4	41°21' 36"	91°27' 05"	06-25-98	54	Louisa, IA	gro.grc	37	gen.fdn	28
5	41°27' 11"	91°12' 24"	06-15-98	193	Muscatine, IA	crl.npd	28	crf.rwc	27
6	41°27' 48"	91°28' 51"	06-16-98	94	Johnson, IA	syb.rwc	51	crf.rwc	36
7	41°28' 08"	91°34' 50"	06-17-98	20	Washington, IA	syb.rwc	50	crf.rwc	36
8	41°28' 31"	91°20' 56"	06-16-98	40	Muscatine, IA	crf.rwc	54	syb.rwc	27
9	41°29' 16"	91°40' 51"	06-17-98	125	Washington, IA	lcb.pst	40	syb.rwc	15
10	41°33' 38"	91°04' 56"	07-16-98	12	Muscatine, IA	crf.rwc	32	syb.rwc	27
11	41°34' 38"	91°34' 12"	06-10-98	80	Johnson, IA	crf.rwc	43	syb.rwc	22
12	41°35' 23"	92°05' 05"	06-22-98	30	Iowa, IA	crf.rwc	39	syb.rwc	24
13	41°36' 34"	91°48' 43"	06-18-98	177	Johnson, IA	crf.rwc	65	syb.rwc	23
14	41°37' 05"	91°39' 27"	06-11-98	40	Johnson, IA	syb.rwc	49	crf.rwc	42
15	41°40' 36"	90°46' 00"	06-23-98	94	Scott, IA	crf.rwc	51	syb.rwc	40
16	41°44' 30"	93°22' 00"	07-14-98	20	Polk, IA	syb.rwc	70	crl.npd	16
17	41°49' 14"	92°02' 40"	07-15-98	40	Iowa, IA	crl.npd	51	gen.npd	19
18	41°49' 44"	90°47' 09"	07-09-98	65	Clinton, IA	crf.rwc	37	urc.pkd	21
19	41°50' 53"	93°28' 24"	07-14-98	70	Polk, IA	crf.rwc	51	syb.rwc	33
20	41°50' 57"	93°30' 48"	07-13-98	50	Polk, IA	syb.rwc	60	crf.rwc	17
21	41°51' 39"	92°19' 08"	06-30-98	25	Poweshiek, IA	crf.rwc	35	gen.fdn	22
22	41°51' 47"	92°11' 53"	06-30-98	28	Benton, IA	crf.rwc	54	syb.rwc	18
23	41°56' 37"	91°58' 10"	06-30-98	20	Benton, IA	syb.rwc	53	crf.rwc	31
24	41°58' 59"	90°56' 39"	06-23-98	22	Jones, IA	crf.rwc	82	syb.rwc	8
25	42°16' 57"	92°08' 18"	07-06-98	60	Benton, IA	crf.rwc	84	alh.rwc	10

Table 1. Wells completed in alluvial aquifers in eastern Iowa and southern Minnesota from which water samples were collected, June–July 1998—Continued

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	Latitude	Longitude							
26	42°25' 55"	92°13' 52"	07-01-98	48	Blackhawk, IA	gen.wpl	53	lhr.pst	17
27	42°32' 08"	91°56' 21"	07-08-98	54	Buchanan, IA	gen.wpl	44	lcb.pst	40
28	42°34' 09"	92°28' 30"	07-07-98	150	Blackhawk, IA	gen.wpl	38	alh.grc	35
29	42°37' 49"	92°26' 08"	07-07-98	55	Blackhawk, IA	crf.rwc	63	syb.rwc	28
30	43°02' 55"	93°08' 33"	07-21-98	43	Cerro Gordo, IA	crf.rwc	50	syb.rwc	47
31	43°05' 49"	92°27' 23"	07-21-98	80	Chichasaw, IA	crf.rwc	50	syb.rwc	23
32	43°45' 56"	93°00' 35"	07-20-98	150	Mower, MN	crf.rwc	73	syb.rwc	23

¹Land use determined by onsite inspection:

- alh.grc = alfalfa ground cover;
- alh.rwc = alfalfa row crop;
- crf.rwc = corn row crop;
- crl.npd = nonproductive cropland;
- gen.fdn = unmanaged deciduous forest;
- gen.npd = nonproductive general;
- gro.grc = hay;
- gen.wpl = palustrine;
- lcb.pst = cattle pasture;
- lhr.pst = horse pasture;
- syb.rwc = soybean row crop; and
- urc.pkd = developed parkland.