

**Table 6.** Summary of nutrient concentrations in water samples collected during baseline, 1995–98, and artificial recharge, 1996–98, conditions

[MCL, Maximum Contaminant Level; mg/L, milligrams per liter; <, less than; \*, median value includes estimated values of one-half the reporting limit for less than (<) values. --, not determined. The first set of numbers under the nitrite plus nitrate column heading (for example, <0.02–2.1) indicates the range in concentrations. The number in parentheses ( ) indicates the number of samples collected, and the number below (for example, 0.48) is the median value]

Data-collection site (figs. 1, 2, 3, or 5)	Water-quality conditions (dates of collection)	Nitrite plus nitrate as nitrogen (mg/L)
<b>U.S. Environmental Protection Agency (1999) drinking-water criteria</b>		
		10 (MCL)
<b>Surface-water monitoring sites (Little Arkansas River)</b>		
07143672 (near Halstead)	Baseline (February 1995 through September 1997)	<0.02–2.1 (55) 0.48*
	Recharge (October 1997 through July 1998)	<0.02–2.4 (15) 1.2*
07144100 (near Sedgwick)	Baseline (February 1995 through September 1997)	0.01–3.0 (51) 0.93
	Recharge (October 1997 through July 1998)	0.02–2.9 (16) 1.2
<b>Ground-water or diverted-water monitoring sites</b>		
<b>Background wells</b>		
	Baseline (February 1995 through September 1997)	<0.01–2.6 (38) 0.01*
	Recharge (October 1997 through July 1998)	<0.02–0.11 (7) --
<b>Domestic wells near Halstead</b>		
	Baseline (April 1998)	<0.02–8.0 (5) --
<b>Domestic wells near Sedgwick</b>		
	Baseline (August 1998)	0.70–15 (5) --
<b>Halstead diversion well site—diversion well</b>		
	Recharge (April 1996 through July 1998—only sampled during recharge activities)	<0.02–0.78 (58) --
<b>Halstead diversion well site—shallow monitoring well</b>		
	Baseline (February 1995 through March 1996)	<0.02–0.04 (11) --
	Recharge (April 1996 through July 1998)	0.01–0.03 (78) 0.01*
<b>Halstead diversion well site—deep monitoring wells</b>		
	Baseline (February 1995 through March 1996)	<0.02 (3) --
	Recharge (April 1996 through July 1998)	0.01–0.03 (24) --
<b>Halstead recharge site—shallow monitoring wells</b>		
	Baseline (May 13, 1997)	1.7, 7.0 (2) --
	Recharge (May 29, 1997 through July 1998)	0.01–9.1 (31) 1.1