

Summary of selected water-quality data from ground-water samples collected from December 2002 through December 2005 as a part of the *Equus* Beds Artificial Recharge Demonstration Project. [mg/L, milligrams per liter; µg/L, micrograms per liter; SDWR, Secondary drinking water regulation; MCL, Maximum Contaminant Level; --, median not calculated because less than six detections]

Compound or Fecal Indicator Bacteria	Analytical Detection Limit	Water-Quality Criteria	Prototype Recharge Wells (3 wells)				Prototype Diversion Wells (9 wells)			
			Number of samples	Percent detected	Median	Percentage of Ground-Water Samples Exceeding Criteria	Number of samples	Percent detected	Median	Percentage of Ground-Water Samples Exceeding Criteria
Sodium, dissolved (mg/L)	0.05 mg/L	20 mg/L (Drinking Water Advisory)	19	100%	31	63%	57	100%	31	100%
Chloride, dissolved (mg/L)	5 mg/L	250 mg/L (SDWR)	19	100%	7	0%	57	86%	6.0	0%
Sulfate, dissolved (mg/L)	5 mg/L	250 mg/L (SWDR)	19	100%	18	0%	57	100%	15	0%
Nitrite plus Nitrate as Nitrogen, dissolved (mg/L)	0.02 mg/L	10 mg/L (MCL)	19	53%	<0.02	0%	57	40%	<0.02	0%
Arsenic, dissolved (mg/L)	1 µg/L	10 µg/L (MCL)	19	95%	3	0%	57	100%	8.0	37%
Iron, dissolved (µg/L)	5 µg/L	300 µg/L (SDWR)	19	84%	23	5%	57	21%	5	0%
Manganese, dissolved (µg/L)	5 µg/L	50 µg/L (SWDR)	19	100%	190	89%	57	100%	187	100%
Total Coliform Bacteria (cols/100 mL)	1 col/100mL	0 cols/100mL (MCL)	19	16%	<1	16%	57	26%	<1	26%
Fecal Coliform Bacteria (cols/100 mL)	1 col/100mL	200 cols/100 mL <sup>1</sup>	19	0%	--	0%	57	2%	--	2%
Atrazine (analyzed by GC/MS <sup>2</sup> )	0.007 µg/L	3 µg/L as an annual average (MCL)	8	0%	--	0%	26	0%	--	0%
Alachlor (µg/L)	0.0045 µg/L	2 µg/L (MCL)	8	0%	--	0%	26	0%	--	0%

<sup>1</sup>Primary contact recreation criteria for surface water established by the Kansas Department of Health and Environment

<sup>2</sup>GC/MS is a gas chromatography/mass spectrometry method for organic analysis