

Summary of selected water-quality data from ground-water samples collected from February 1995 through December 2013 as a part of the *Equus* Beds Ground-Water Recharge Project.

[mg/L, milligrams per liter; DWA, drinking water advisory; SDWR, secondary drinking water regulation; <, less than; MCL, maximum contaminant level; µg/L, micrograms per liter; cols/100 mL, colonies per 100 milliliters; MCLG, maximum contaminant level goal]

Diverted Water Sedgwick Recharge Site, KS (3753310972885301)

Compound or fecal indicator bacteria	Water-quality criteria	Number of Samples	Minimum	Maximum	Mean	Median	Percentage of Samples Detected	Percentage of Samples Exceeding Criteria	Percentage of Replicate Samples Exceeding Criteria
Sodium, dissolved (mg/L)	20 mg/L (DWA) ^a	50	5.3	127.0	43.2	35.2	100.0	88.0	66.7
Sulfate, dissolved (mg/L)	250 mg/L (SDWR) ^a	50	5.0	105.0	36.9	32.4	98.0	0.0	0.0
Chloride, dissolved (mg/L)	250 mg/L (SDWR) ^a	229	10.1	227.0	76.4	62.3	100.0	0.0	0.0
Nitrite plus nitrate as nitrogen, dissolved (mg/L)	10 mg/L (MCL) ^a	50	0.1	2.8	1.1	1.0	100.0	0.0	0.0
Arsenic, dissolved (µg/L)	10 µg/L (MCL) ^a	15	2.1	6.6	4.1	3.8	100.0	0.0	0.0
Iron, dissolved (µg/L)	300 µg/L (SDWR) ^a	50	2.5	50.0	4.9	2.5	8.0	0.0	0.0
Manganese, dissolved (µg/L)	50 µg/L (SDWR) ^a	50	2.5	176.0	19.480*	*6.800	58.0	10.0	0.0
Total coliform bacteria (cols/100 mL)	0 cols/100 mL (MCLG) ^a	48	0.5	7,000.0	383.384*	*82.000	91.7	91.7	100.0
Fecal coliform bacteria ^c (cols/100 mL)	200 cols/100mL (MCLG) ^d	46	0.5	3,240.0	356.1	121.0	91.3	37.0	0.0
	2,000 cols/100mL (MCLG) ^d	6	10.0	224.0	74.3	35.0	100.0	0.0	0.0
<i>Escherichia coli</i> ^e (cols/100 mL)	262 cols/100mL (MCLG) ^f	2	0.5	11.0	5.8	5.8	50.0	0.0	0.0
	2,358 cols/100mL (MCLG) ^f	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine herbicide	3 µg/L as an annual average ^a (MCL)	66	0.0	6.7	0.5	0.2	86.4	1.5	0.0
Triazine herbicide screen, dissolved (µg/L as Atrazine)	3 µg/L as an annual average ^a (MCL)	228	0.1	6.8	0.3	0.1	43.9	1.3	7.1
Alachlor (µg/L)	2 µg/L (MCL) ^a	67	0.0	0.7	0.0	0.0	23.9	0.0	0.0

^a U.S. Environmental Protection Agency (2006)

^b Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

^c For fecal coliform bacteria, the primary contact recreation surface-water criterion of 200 cols/100mL was used from April 1 - October 31 (when most water-contact recreation occurs); from November 1 - March 31, the criterion of 2,358 cols/100mL was used.

^d Kansas Department of Health and Environment (2001)

^e For *Escherichia coli*, the primary contact recreation surface-water quality criterion of 262 cols/100mL was used from April 1 - October 31 for Class B (public access) stream segments; from November 1 - March 31, the criterion of 2,358 cols/100mL was used.

^f Kansas Department of Health and Environment (2004)