

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]

MISCELLANEOUS SURFACE WATER SITES

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	17	42.1	386.9	169.5	102.6	100.0	100.0	100.0
Sulfate, dissolved (mg/L)	250 mg/L (SDWR) ^a	17	30.8	156.0	90.9	77.0	100.0	0.0	0.0
Chloride, dissolved (mg/L)	250 mg/L (SDWR) ^a	17	29.0	582.6	249.6	124.0	100.0	41.2	66.7
Nitrite plus nitrate as nitrogen, dissolved (mg/L)	10 mg/L (MCL) ^a	18	0.0	15.8	3.3	1.6	100.0	11.1	0.0
Arsenic, dissolved (µg/L)	10 µg/L (MCL) ^a	17	1.2	10.9	5.3	4.8	100.0	11.8	0.0
Iron, dissolved (µg/L)	300 µg/L (SDWR) ^a	17	25.0	50.0	44.1	50.0	0.0	0.0	0.0
Manganese, dissolved (µg/L)	50 µg/L (SDWR) ^a	17	11.0	375.0	88.5	20.0	100.0	35.3	0.0
Total coliform bacteria (cols/100 mL)	0 cols/100 mL (MCLG) ^a	17	N/A	N/A	N/A	N/A	N/A	0.0	0.0
Fecal coliform bacteria ^c (cols/100 mL)	200 cols/100mL (MCLG) ^d	18	30.0	36000.0	4976.1	951.5	100.0	88.9	100.0
	2,000 cols/100mL (MCLG) ^d	7	33.0	1080.0	279.6	107.0	100.0	0.0	0.0
<i>Escherichia coli</i> ^e (cols/100 mL)	262 cols/100mL (MCLG) ^f	19	21.0	7400.0	976.9	520.0	100.0	68.4	50.0
	2,358 cols/100mL (MCLG) ^f	4	15.0	80.0	47.5	47.5	100.0	0.0	0.0
Atrazine herbicide	3 µg/L as an annual average ^a (MCL)	13	1.7	26.4	7.4	4.9	100.0	84.6	0.0
Triazine herbicide screen, dissolved (µg/L as Atrazine)	3 µg/L as an annual average ^a (MCL)	95	0.1	49.5	4.1	0.5	77.9	29.5	33.3
Alachlor (µg/L)	2 µg/L (MCL) ^a	15	0.0	10.2	1.4	0.5	80.0	13.3	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)