Summary of selected water-quality data from the Sedgwick recharge site (station number 375331097285301) collected during 1995 through 2015 as part of the Equus Beds groundwater recharge project.

[Table does not include QA/QC sample data. --, not applicable; <, less than; MCL, U.S. Environmental Protection Agency maximum contaminant level; SMCL, U.S. Environmental Protection Agency secondary maximum contaminant level]

Water-quality constituent	Parameter code	Number of samples	Number of detections	Minimum	Maximum	Mean[1]	Median[1]	Percentage of samples detected	Water-quality criterion	Percentage of samples exceeding relevant criterion
Sodium, water, filtered, milligrams per liter	00930	53	53	5	127	41	34	100	--	--
Sulfate, water, filtered, milligrams per liter	00945	53	52	<5	105	36	31.1	98	250 (SMCL)[2]	0
Chloride, water, filtered, milligrams per liter	00940	232	232	10	227	75.6	62.1	100	250 (SMCL)[2]	0
Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen	00631	53	53	0	2.78	1.10	0.99	100	--	--
Nitrate, water, filtered, milligrams per liter as nitrogen	00618	20	20	0	2.27	1.10	1.06	100	10 (MCL)[2]	0
Phosphorus, water, unfiltered, milligrams per liter as phosphorus	00665	5	5	0.5	0.70	0.56	0.51	100	--	--
Orthophosphate, water, filtered, milligrams per liter as phosphorus	00671	20	20	0.01	0.69	0.25	0.22	100	--	--
Organic carbon, water, filtered, milligrams per liter	00681	10	10	8.0	12.3	10.2	9.8	100	--	--
Organic carbon, water, unfiltered, milligrams per liter	00680	22	22	0.5	13.5	7.0	5.7	100	--	--
Bromide, water, filtered, milligrams per liter	71870	19	17	<0.04	0.40	0.16	0.10	89	--	--
Chlorine (total residual), water, unfiltered, milligrams per liter	50060	9	5	<0.05	0.4	0.1	0.1	56	--	--
Arsenate, water, filtered, micrograms per liter as arsenic	62453	5	5	2.0	5.2	3.64	3.60	100	--	--
Arsenic, water, filtered, micrograms per liter	01000	18	18	2	6.6	4.1	3.7	100	10 (MCL)[2]	0
Arsenite, water, filtered, micrograms per liter as arsenic	62452	5	0	<0.2	<0.4	--	--	0	--	--
Copper, water, filtered, micrograms per liter	01040	18	1	<5	10	6.4	5.0	6	1,300 (MCL)[2]	0
Iron, water, filtered, micrograms per liter	01046	50	1	<5	100	15	5	2	300 (SMCL)[2]	0
Manganese, water, filtered, micrograms per liter	01056	45	22	<5	180	22	5	49	50 (SMCL)[2]	9
Total coliforms, LES Endo method, immediate, water, colonies per 100 milliliters	31504	48	44	<1	7,000	380	80	92	--	--
Fecal coliforms, M-FC MF (0.7 micron) method, water, colonies per 100 milliliters	31625	55	48	<1	3,200	310	110	87	2,000[3]	2
Escherichia coli , modified m-TEC MF method, water, colonies per 100 milliliters	90902	5	1	<1	10.0	3	1	20	2,358[4]	0
Atrazine, water, filtered, recoverable, micrograms per liter	39632	69	60	<0.019	6.7	0.48	0.230	87	3 (MCL)[2]	1
Triazines, water, filtered, enzyme link immuno sorbent assay (ELISA) screen, recoverable, micrograms per liter as atrazine	34756	231	103	<0.1	7.0	0.33	0.10	45	--	--
Alachlor, water, filtered, recoverable, micrograms per liter	46342	70	16	<0.002	0.72	0.06	0.050	23	2 (MCL)[2]	0
Glyphosate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	62722	3	3	0.4	1.30	0.87	0.92	100	700 (MCL)[2]	0

[1]Left-censored data arbitrarily assigned a value of one-half of the censoring level.

[2] U.S. Environmental Protection Agency (2009).

[3]Kansas Department of Health and Environment (2001), Kansas administrative regulation, article 28–16–28e, surface water quality standards: Topeka, Kansas, Secretary of State, 16 p.

[4]Kansas Department of Health and Environment (2004).