

E. coli Bacteria Results Squaw Creek Watershed Snapshots

Site #	Location	May 2007 CFU/100	Oct 2007 MPN/100	May 2008 MPN/100	Oct 2008 MPN/100	May 2009 MPN/100	Oct 2009 MPN/100	May 2010 MPN/100	Oct 2010 MPN/100	May 2011 MPN/100	Oct 2011 MPN/100	May 2012 MPN/100	Oct 2012 MPN/100	May 2013 MPN/100	Oct 2013 MPN/100	May 2014 CFU/100	Oct 2014 CFU/100	May 2015 CFU/100	Oct 2015 CFU/100	Oct 2016 CFU/100	May 2019 CFU/100	Oct 2019 CFU/100	Number of samples	Number exceeding 235	Geomean
SC1	Squaw Creek at Hwy 175	40	170	80	860	400	20	180															7	2	131
SC45	Crooked Creek, N branch	90	350	100	250	1600	220	430															7	4	275
SC46	Crooked Creek, S branch	120	190	120	570	620	170	100															7	2	207
SC2	Squaw Creek at 390th Street	10	1400	230	930	630	490	260	310	250	300				267	133	167	333	400	2040	150	16	12	301	
SC3	Squaw Creek - 110th St & U Ave.	81	1400	110	750	230	210	500	160	710	86	52			267		100	400			170	14	6	226	
SC4	Glacial Creek (trib to Squaw Creek; U Ave south of 110th St)	20	770	70	560	790	160	170	260	860	130	62			130		33	167			90	14	5	163	
SC5	Talynn's North Sample Site (V Ave north of 120th) Talynn's North Sample 1	120	420	60	520	5200	840	300	450	530				710	190	567	433	33				15	11	361	
SC6	No Name Creek - (V Ave south of 120th) No Name Creek - (V Ave south of 120th)	30	160	550	720	2500	90	50														7	3	215	
SC7	Beard/Mackie (Squaw Creek at E18)	110	1400	130	1700	1700	250	480	290	490				930	360	167	133	67	333	934	2390	230	18	12	386
SC10	Squaw Creek at 150th St.	300	1100	110	650	2500	320	780	250	650	110	370		3000		200	133	33	933			170	16	11	365
SC8	Montgomery Creek 1	140	1200	240	2500	360	1100	220					stagnant	1300	1200		567	67	500			130	12	9	453
SC11	Montgomery Creek 2	160	990	160	960	440	360	580	190	1600	160	880		790	1000	340	567	200	900	600	1700	230	19	14	489
SC12	Prairie Creek 1	220	1100	460	1300	570	500	310					74	75		467	133	300			110	12	8	298	
SC13	Prairie Creek 2	430	2200	710	1800	5500	860	1100	450	6500	280	440	stagnant	810	20		433	467	1100	1000	11700	110	18	8	845
SC9	Bluestem Creek (trib to Squaw Creek; 150th St East of X Ave)	320	1600	360	1900	1500	1100	3900					dry									220	7	7	916
SC14	Squaw Creek @ 170th St. Bridge	270	1600	380	810	5500	620	640	360	2500			96		1200	10	367	333	200	633		200	16	13	442
SC16	Squaw Creek above Gilbert Creek	240	1300	220	930	4600	100	1000	200	790		41		680		433	Empty vial	267	633		1160	150	15	11	467
SC15	Gilbert Creek above Squaw Creek	470	320	280	490	780	110	130	260	370		140		98		1967	433	133	567		5700	180	16	11	352
SC66	Squaw Creek at Cameron School Rd																				1580	390	1	2	785
SC67	Tributary at Cameron School Rd																				610	210	1	1	358
SC17	Onion Creek (North Branch at V Avenue Bridge)	40	630	200	430		280	410															6	4	251
SC21	Onion Creek (North fork of the South Branch at V Ave and 210th)	45	500	120	290		6100	110															6	3	284
SC20	Onion Creek (South fork of the South Branch at V Ave)	81	370	70	1900		DRY	490															5	3	287
SC19	Onion Creek at R-38 (Co. Line Rd)	63	740	120	530	2100	490	210	220	750	1500	330		dry	150		800	533	133	567		16	10	359	
SC22	Onion Creek (Reactor Woods)	90	680	170	400	4400	910	50	270	10	200	dry		200		300	567	233	167	133	5500	170	17	8	274
SC18	Moore Park (Squaw Creek)	240	1100	260	430	1400	180	860	190	720	110	150		460	340	467	367	333	167	300	10300	230	19	14	407
SC25	Clear Creek Boone (site north 25 feet)	30	180	20	100	80	40	50														50	8	0	56
SC27	Clear Creek at Emma McCarthy Lee bridge	90	660	120	380	100	130	170	200	200	dry	86	dry	98		133	933	67	500			15	4	183	
SC48	Clear Creek (Hyland Avenue)	160	1500	310	990	340	290	90															7	5	351
SC28	Clear Creek Pammel Woods	170	960	230	720	290	10	120	900	10	10	110	100000	310		200	367	200	433	267		270	18	10	238
SC50	Squaw Creek at Stange	190	1500	420	550		360	1000															6	5	536
SC23	AHS Tributary of Squaw Creek	30	10000	4400	1000	50	560	120	5200	30000	10	150		500		10	10	10	10	267	220	4620	18	9	238
SC24	Squaw Creek 13th Street	190	1200	170	600	2600	960	240	520	650	230	dry	500	380	300	300	333	233				16	12	431	
SC28	Brookside Park (6th St.)	260	1200	260	530	2000	560	1000	210	1400		250	dry	330	710	733	333	333	367	200	12800	170	18	15	522
SC35	College Creek at Wilder	150	860	350	260	190	3400	2400	4600	1400	270	31	2400	110	63	2433	133	200	33			80	18	10	355
SC34	College Creek at South Dakota/Clemens	890	730	1400	250	530	550	540															7	7	621
SC38	Ames Middle School Site 2 (west site)	130	350	1900	260	510	310	520	200	280	(empty vial)	350	1700		1100	3333	167	67	133			16	11	394	
SC37	Ames Middle School Site 3	190	570	4400			410																4	3	665
SC32	College Creek (at State Ave.)	620	1500	1000	290	650	930	380															7	7	672
SC49	College Creek ISU Arboretum	290	3300	3300	860		1500	820	720	300	85	440	dry	240	1300		contaminate	300	1033	167	1200	630	16	15	624
SC53	College Creek near Ash Avenue	370	9800	1400	580	640	1200	350															7	7	967
SC31	College Creek (near Elwood Drive)	270	7700	1900	1000	990	1000	290		930	380	580	340	26000	2200		2600	1200	733	333	1220	760	18	19	1063
SC54	Pammel Creek above 6th Street	170		250	530	7700	120	50	(empty vial)	160	8700	85		330	4400		1133	100	10	233	233		16	7	318
SC55	CyRide Creek above Elwood	10	1100	120	610	3100	250	5500	110	410	300			20		567	67	10	100				15	8	201
SC29	Tributary to College Creek (Elwood Dr. & 6th St.)	390		660	1500	4400	930																5	5	1096
SC56	South Stuart Smith Park (stormwater drainage)	30	8200	450	50	160	110																6	2	215
SC33	Squaw Creek at Fourth St. bridge in Ames	220	1700	330	880	570	320	960	190	200	2300	150	dry	320		467	367	100	767	433		260	17	13	412
SC42	Worrell Creek (County Line Road)		2100	130	1400	400	10	440															6	4	296
SC44	Komar Creek (tributary to Worrell)	140	1600	1600	1500	110	60	620	270	85	dry	180	dry	190		333	300	133	200		1160	120	16	8	288
SC43	Worle Creek (near Meadow Glenn Rd)	240	2800	470	2400	200	190	710	240	190	370	620	dry	31		100	67	867	133		2290	160	17	10	327
SC36	Squaw Creek near South Maple	170	1400	330	860	1700																	5	4	649
SC58	Worrell Creek above Elwood	420	1900	10	420	170	100	810															7	4	240
SC40	Worrell Creek (South 16th Street)	240	1300	240	3300	250	50	830	190	410			dry	110		100	100	33	33	100	11100	570	17	10	270
SC41	South Branch Worrell Creek (below Creekside Dr)	27	1900	560	360	320	360	160	230	1300	820	1600		210		10	100	33	500		450	210	17	10	257
SC57	Near Squaw Creek Drive (stormwater drainage)	170	9800	1000	680	90	2900	20	880	63	8700	10	10	10	10	10	10	10	33	10			19	6	88
SC39	Squaw Creek at Duff Avenue in Ames	240	1000	270	840	440	310	960	(empty vial)	360	660	130		410		7133	333	167	267	300	9600	310	17	16	523

Meets A1-A3 Primary Contact standard of 235 cfu/100 ml
 Exceeds A2 Secondary Contact standard of 2880 cfu/100 ml
 Squaw Creek, main branch, designated A1 below Glacial Creek
 Below detection limit: Reported as "10"

The geometric mean is used instead of the mean when data have a lognormal distribution (vary by factors of ten).
 The primary contact standard is 126 CFU/100mL, but is meant to be applied to the geomean of 7 monthly samples collected during a single season.