

	A	B	C	D	E	F	G	H	I	J
1	Site	Sampled?	IOWATER	Location	Sampled by	Date	Time	Weather	Water Odor	Water Color
2	SC1	Y	940010	Squaw Creek at Hwy 175	Sue Carlson	10/13/2007	12:25 PM	Cloudy/Rain/Calm	None	Clear/Brown/Green
3	SC2	Y	940009	Squaw Creek at 390th Street	Sue Carlson	10/13/2007	11:40 AM	Cloudy/Rain/Calm	None	Brown/Green
4	SC3	Y	908031	Squaw Creek - 110th St & U Ave.	Lynn Aldridge, Rick Dietz	10/13/2007	11:05 AM	Cloudy/Rain	None	Clear/Brown/Green
5	SC4	Y	908028	Glacial Creek (trib to Squaw Creek; U Ave south of 110th St)	Lynn Aldridge, Rick Dietz	10/13/2007	10:50 AM	Cloudy/Rain	None	Clear/Brown
6	SC5	Y	908036	Talynn's North Sample Site	Steve Ryan, Martha Ryan	10/13/2007	11:00 AM	Cloudy/Rain	None	Green
7	SC6	Y	908035	No Name Creek - North of 120th and Y	Steve Ryan, Martha Ryan	10/13/2007	10:30 AM	Cloudy/Rain	None	Clear
8	SC7	Y	908026	Beard/Mackie (Squaw Creek)	Tom Gust	10/13/2007	10:45 AM	Cloudy/Rain	Musky	Brown
9	SC8	Y	908019	Montgomery Creek 1	Gaylan Crim, Lloyd Crim	10/13/2007	9:55 AM	Cloudy/Rain/Windy	None	Brown
10	SC9	Y	908029	Bluestem Creek (trib to Squaw Creek; 150th St East of X Ave)	Lynn Aldridge, Rick Dietz	10/13/2007	10:05 AM	Cloudy/Rain	None	Clear
11	SC10	Y	908034	Squaw Creek at 150th St.	Lynn Aldridge, Rick Dietz	10/13/2007	10:25 AM	Cloudy/Rain		Brown
12	SC11	Y	908020	Montgomery Creek 2	Gaylan Crim, Lloyd Crim	10/13/2007	10:30 AM	Cloudy/Rain	None	Clear/Brown
13	SC12	Y	908021	Prairie Creek 1	Gaylan Crim, Lloyd Crim	10/13/2007	9:20 AM	Cloudy/Rain/Windy	None	Clear/Brown
14	SC13	Y	908022	Prairie Creek 2	Gaylan Crim, Lloyd Crim	10/13/2007	10:55 AM	Cloudy/Rain	None	Clear
15	SC14	Y	908016	Squaw Creek @ 170th St. Bridge	Tom Gust	10/13/2007	9:45 AM	Cloudy/Calm	Musky	Brown
16	SC15	Y	985041	Gilbert Creek above Squaw Creek	Jeff White, Paul Clark	10/13/2007	11:00 AM	Cloudy/Rain	None	Clear
17	SC16	Y	985034	Squaw Creek above Gilbert Creek	Jeff White, Paul Clark	10/13/2007	11:30 AM	Cloudy/Rain	None	Clear
18	SC17	Y	908023	Onion Creek (North Branch at V Avenue Bridge)	Susan Fritzell	10/13/2007	10:00 AM	Cloudy/Rain	None	Brown/Gray
19	SC18	Y	985031	Moore Park	Greg Vitale, Don Wall	10/13/2007	10:20 AM	Cloudy/Rain	None	Brown
20	SC19	Y	908030	Onion Creek at R-38 (Co. Line Rd)	Susan Fritzell	10/13/2007	9:33 AM	Cloudy/Rain	None	Brown
21	SC20	Y	908025	Onion Creek (South fork of the South Branch at V Avenue)	Susan Fritzell	10/13/2007	10:24 AM	Cloudy/Rain	None	Gray
22	SC21	Y	908024	Onion Creek (North fork of the South Branch at V Avenue and 210th)	Susan Fritzell	10/13/2007	10:40 AM	Cloudy/Rain	None	Clear/Gray
23	SC22	Y	985027	Onion Creek (Reactor Woods)	Jim Colbert, Mikki Colbert	10/13/2007	10:00 AM	Rain/Calm	None	Clear
24	SC23	Y	985049	AHS Tributary of Squaw Creek	Mike Lazere	10/13/2007	8:00 AM	Cloudy/Rain	None	Brown
25	SC24	Y	985051	Squaw Creek 13th Street	Mike Lazere	10/13/2007	12:10 PM	Cloudy	None	Brown
26	SC25	Y	908055	Clear Creek Boone (site north 25 feet)	Dieter Dellman and Jean Dow	10/13/2007	10:10 AM	Cloudy/Windy		Clear
27	SC26	Y	985077	Clear Creek Pammel Woods	Jim Colbert, Mikki Colbert	10/13/2007	10:30 AM	Cloudy/Rain	None	Clear
28	SC27	Y	985061	Clear Creek Emma McCarthy Lee Bridge	Dieter Dellman and Jean Dow	10/13/2007	9:23 AM	Cloudy/Calm	None	Clear
29	SC28	Y	985030	Brookside Park (6th St.)	Greg Vitale, Don Wall	10/13/2007	11:18 AM	Cloudy/Rain	None	Brown
30	SC29	Not Sampled	985016	Tributary to College Creek (Elwood Dr. & 6th St.)						
31	SC31	Y	985015	College Creek (near Elwood Drive)	Dean Lewis, Anita Maher Lewis	10/13/2007	10:30 AM	Cloudy/Rain	None	Clear
32	SC32	Y	985009	College Creek (at State Ave.)	Ron Schuck	10/13/2007	11:25 AM	Rain/Calm	None	Clear/Brown
33	SC33	Y	985040	Squaw Creek at Fourth St. bridge in Ames	Greg Vitale, Don Wall	10/13/2007	8:20 AM	Cloudy/Rain	None	Brown
34	SC34	Y	985025	College Creek at South Dakota/Clemens	Dean Lewis, Anita Maher Lewis	10/13/2007	11:10AM	Rain	None	Clear
35	SC35	Y		College Creek at Wilder	Dean Lewis, Anita Maher Lewis	10/13/2007	11:20 AM	Rain	None	Clear
36	SC36	Y	985068	Squaw Creek near South Maple	Ed Engle	10/13/2007	10:40 AM	Cloudy/Rain	None	Gray
37	SC37	Y	985084	Ames Middle School Site 3	Ron Schuck	10/13/2007	12:25 PM	Rain/Calm	None	Clear
38	SC38	Y	985083	Ames Middle School Site 2	Ron Schuck	10/13/2007		Rain/Calm	None	Clear
39	SC39	Y	985039	Squaw Creek at Duff Avenue in Ames	Greg Vitale, Don Wall	10/13/2007	8:55 AM	Cloudy/Rain	None	Brown
40	SC40	Y	985028	Worrell Creek (South 16th Street)	Mike Todd, Andi Todd	10/13/2007	8:05 AM	Cloudy/Rain		Clear/Brown
41	SC41	Y	985029	South Branch Worrell Creek (below Creekside Dr)	Ed Engle	10/13/2007	9:25 AM	Cloudy/Rain	None	Clear
42	SC42	Y	908014	Worrell Creek (County Line Road)	Laura Merrick, Jeri Neal	10/13/2007	11:15 AM	Cloudy/Rain	None	Clear
43	SC43	Y	985064	Worle Creek	Laura Merrick, Jeri Neal, Austin Clark	10/13/2007	9:30 AM	Cloudy/Rain/Calm	None	Clear
44	SC44	Y	985082	Komar Creek	Laura Merrick, Jeri Neal	10/13/2007	10:38 AM	Cloudy/Rain	None	Clear
45	SC45	Y	940014	Crooked Creek, N branch	Jeff White, Paul Clark	10/13/2007	10:15 AM	Cloudy/Rain/Windy	None	Clear
46	SC46	Y	940015	Crooked Creek, S branch	Jeff White, Paul Clark	10/13/2007	10:45AM	Cloudy/Rain/Windy	None	Clear
47	SC48	Y	985036	Clear Creek (Hyland Avenue)	Greg Vitale, Don Wall	10/13/2007	9:50 AM	Cloudy	None	Clear
48	SC49	Y	985072	College Creek ISU Arboretum	Ron Schuck	10/13/2007	10:50 AM		None	Brown
49	SC50	Y	985088	Squaw Creek at Stange	Michael Lazere	10/13/2007	8:40 AM	Cloudy	None	Brown
50	SC52	Dry	985094	College Creek near 500th Avenue	Dean Lewis					
51	SC53	Y	985095	College Creek near Ash Avenue	Dean Lewis, Anita Maher Lewis	10/13/2007	10:50 AM	Rain	None	Clear
52	SC54	Not Sampled	985096	Pammel Creek above 6th Street						
53	SC55	Not Sampled	985097	CyRide Creek above Elwood						
54	SC56	Y	985098	South Stuart Smith Park	Mike Todd, Andi Todd	10/13/2007	9:20 AM	Cloudy	None	Brown
55	SC57	Y	985099	Near Squaw Creek Drive	Ed Engle	10/13/2007	10:08AM	Cloudy/Rain	None	Clear
56	SC58	Y	985100	Worrel Creek above Elwood	Mike Todd, Andi Todd	10/13/2007	8:45 AM	Cloudy/Rain	None	Brown/Gray





	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
1	ALU - Boating Access	ALU - Nature Trails	ALU - Fence	ALU - Steep Slopes	ALU - Stairs/Walkway	ALU - Rural Residential	ALU - Conservation Lands	ALU - Animal Feeding Operations/Lots	ALU - Other	Comments	HUA - Swimming
2				x						Paved county highway crosses stream at sampling site.	
3											
4			x						Very wide ditch along paved Roads	Paved county highway and bridge approximately 100 meters upstream.	
5									Buffer area grass		
6			x	x						Livestock upstream, bridge	
7											
8											
9			x								
10			x						x		
11				x							
12		x	x			x					
13			x	x					x		
14			x	x		x					
15											
16											
17											
18											
19		x									
20											
21											
22											
23											
24		x									
25			x						Horse pasture		
26											
27											
28		x									
29		x									
30											x
31									Street (Elwood)	Soccer fields (treated and mowed)	
32							x		Arboretum; cross-country course		
33											
34											
35											
36								x			
37		x		x					School athletic fields		
38				x			x		School athletic fields		
39				x							
40									Adjacent to tailgate lot		
41								x	Trailer park		
42											
43		x								Possible livestock (cows) upstream - pasture	
44				x			x			Cattle: probably further upstream	
45											
46											
47											
48								x	Arboretum/ Cross-country course		
49									Golf course		
50											
51									Campus: mowed grass, roads		
52											
53											
54											
55		x						x			
56									Mortenson Rd.		

	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN
1	HUA - Tubing	HUA - Water Skiing	HUA - Wind Surfing	HUA - Canoeing/Kayaking	HUA - Boating	HUA - Wading	HUA - Rafting	HUA - Hunting/Trapping	HUA - Fishing	HUA - Kids Playing	HUA - Other	HUA - None	EHU - Streamside Roads	EHU - Footprints or Paths	EHU - Dock/Platform
2											Garbage dump		x		
3												x	x		
4												x			
5												x			
6															
7												x	x		
8															
9						x		x	x						
10												x			
11												x			
12						x				x					
13						x		x	x					x	
14															
15														x	
16												x		x	
17															
18												x			
19	x			x		x				x				x	
20												x		x	
21												x			
22											Appliances in stream				
23						x			x					x	
24												x		x	
25				x					x				x		
26													x		
27						x			x					x	
28						x				x				x	
29				x		x			x	x				x	
30															
31											Bike/walking path				
32											Partying - Beer & pop cans				
33				x							Beverage containers				
34													x		
35						x							x		
36												x	x	x	
37											School biology				
38											School biology			x	
39	x			x		x			x	x				x	
40											Restroom				
41												x			
42											Farming				
43										x				x	
44														x	
45												x			
46												x			
47															
48						x								x	
49												x	x		
50															
51											Walking campus activities/ garbage				
52															
53															
54											Tailgating				
55												x	x	x	
56												x	x		

	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BZ	CA	CB	CC	CD	CE	CF	CG
1	EHU - Livestock Watering	EHU - ATV/ORV Tracks	EHU - Rope Swings	EHU - Camping Sites	EHU - Fire Pit/Ring	EHU - Fishing Tackle	EHU - Evidence of Kids' Play	EHU - Other	EHU - None	Transparency	Water Temp	pH	Nitrite-N	Nitrate-N	Dissolved Oxygen	Phosphate	Chloride
2										60+	56	8	0.15	2	10	0.2	<30
3										35	54	9	0.15	2	8	0	<30
4									x	41	57	9	0	5	10	0.1	<33
5									x	60+	57	9	0	2	10	0.1	<33
6	x									50	51	8	0	2	10	0.2	<24
7										50	54	9	0	5	8	0.2	<24
8								Beer can along road		30	56	8	0.15	2	8	0.3	35
9						x				54	57	9	0	2	8	0.1	<25
10									x	60+	57	9	0	5	8	0.1	<33
11									x	34	57	9	0	5	8	0.2	<33
12							x			52	57	9	0	2	8	0.1	<25
13										58	57	9	0	2	8	0.2	<25
14										25	56	9	0	2	8	0.2	<25
15		x						Beer cans along road		25	55	9	0.15	2	8	0.3	30
16												8	0	2		0	82
17												8	0.15	2		0	65
18										21	53	8	0.15	0	8	0.2	<33
19			x							31	50	9	0.15	5	8	0.2	<30
20		x								41	53	9	0.15	1	8	0.2	<33
21									x	60+	53	9	0.15	1	8	0.2	<33
22								Lawn mower, stove in stream		60+	52	9	0.15	1	6	0.2	<33
23										54	55	9	0	2	6	0.2	30
24										60+	59	8	0	0	6	1	<30
25								Bike path		34	56	9	0	2	8	0.3	<30
26										60+	57	8	0.15	5	8	0.1	39
27										60+	55	9	0	2	6	0.3	30
28							x			60+	54	9	0	2	8	0.2	39
29							x	graffiti		23	50	9	0.15	5	6	0.2	30
30																	
31										55	56	8	0	2	6		50
32								beer and pop cans		60	55	7	0	2	6	0.1	39
33								beverage containers		22	52	9	0.15	5	12	1	<30
34										60	57	8	0	2	8		57
35										60	59	8	0	2	6		57
36										30	44	9	0	2	8	0.3	33
37								School biology		60+	57	8	0	2		0.1	53
38								School biology				8	0	2	5	0.1	53
39										24		9	0.15	5	8	1	<30
40								Beer can/ trash		60+	54	9	0	2	8	0.2	<30
41										60+	46	7	0	2	6		39
42									x	61	58	9	0	2	6	0.3	<24
43										61	55	9	0	5	8	0.2	<24
44										61	55	9	0	2	8		<24
45		x							x		58	8	0	2		0	73
46									x			8	0	2		0	65
47										60	50	9	0.15	2	8	0.2	30
48										60	56	7	0	2	5	0.1	46
49								Golf course		29	56	9	0	2	10	0.3	<30
50																	
51								Garbage		60	57	8	0	2	6		57
52																	
53																	
54								Picnic tables		60	58	6	0	2	4	0.4	<30
55										60+	50	7	0	0	6	0.1	78
56										60+	54	9	0	2	8	0.2	36

	CH	CI	CJ	CK	CL
1	From Stream	Off Bridge	Other	Safety comments	Data Check
2			Bank beside stream		
3			From sandbar	Very safe; easy access.	
4	x				
5	x				
6	x				
7	x				
8	x			Steep, muddy bank; high traffic	
9	x				
10	x				
11	x				
12	x				
13	x				
14	x				
15	x			Landowner left a note, thought sampling person was hunting	
16	x				
17	x				
18		x		safe	
19	x			OK site	
20	x			High traffic; steep banks	
21		x			
22		x		safe	
23	x			Safe site	
24	x				
25		x			
26		x			
27	x			yes, high bridge	
28		x		very safe site	
29					
30					
31	x				
32					
33	x			no problems at this site	
34	x				
35	x				
36	x		Used jug to collect w	Relatively easy to get to (overgrown path present), but if the water is high the bank is	steep and slippery.
37	x				
38					
39		x		no problems at this site	
40	x				
41	x			very safe, easy parking, easy access	
42	x			OK site	
43	x			no safety concern	
44	x				
45	x			dog that's too friendly	
46	x			no safety concern	
47		x			
48	x			OK site	
49	x		Taken from stream bank		
50					
51	x				
52					
53					
54	x				
55	x			This site will be disrupted by the extension of Grand Ave. in 2008.	
56	x				

Collection #	Date Collected	Nitrate + Nitrite Nitrogen as N (mg/L)	E. coli Bacteria (MPN/100 ml)
sc1	10/13/2007	13	170
sc10	10/13/2007	9.4	1100
sc11	10/13/2007	8.9	990
sc12	10/13/2007	8.1	1100
sc13	10/13/2007	8.3	2200
sc14	10/13/2007	9.3	1600
sc15	10/13/2007	13	320
sc16	10/13/2007	9.3	1300
sc17	10/13/2007	12	630
sc18	10/13/2007	9.3	1100
sc19	10/13/2007	9.4	740
sc2	10/13/2007	9.8	1400
sc20	10/13/2007	9.4	370
sc21	10/13/2007	13	500
sc22	10/13/2007	9.2	680
sc23	10/13/2007	1.2	10000
sc24	10/13/2007	9.2	1200
sc25	10/13/2007	9	180
sc26	10/13/2007	7.1	960
sc27	10/13/2007	6.9	660
sc28	10/13/2007	9.2	1200
sc3	10/13/2007	9.9	1400
sc31	10/13/2007	3	7700
sc32	10/13/2007	2.2	1500
sc33	10/13/2007	8.9	1700
sc34	10/13/2007	4.2	730
sc35	10/13/2007	6.6	860
sc36	10/13/2007	9.1	1400
sc37	10/13/2007	3.2	570
sc38	10/13/2007	3.5	350
sc39	10/13/2007	8.9	1000
sc4	10/13/2007	5.8	770
sc40	10/13/2007	6.7	1300
sc41	10/13/2007	4.6	1900
sc42	10/13/2007	9.4	2100
sc43	10/13/2007	7.6	2800
sc44	10/13/2007	8.7	1600
sc45	10/13/2007	12	350
sc46	10/13/2007	14	190
sc48	10/13/2007	6.8	1500
sc49	10/13/2007	2.2	3300
sc5	10/13/2007	12	420
sc50	10/13/2007	9.4	1500
sc53	10/13/2007	3.3	9800
sc56	10/13/2007	0.92	8200
sc57	10/13/2007	1.7	9800
sc58	10/13/2007	7.2	1900
sc6	10/13/2007	9.6	160
sc7	10/13/2007	9.5	1400
sc8	10/13/2007	8.9	1200
sc9	10/13/2007	12	1600