

Appendix A:
Benthic Macroinvertebrate Data* by Site**
2011-2012 EII

Benthic Macroinvertebrate Metric Summary for 2011 Sample Sites	A-2,3
Benthic Macroinvertebrate Metric Summary for 2012 Sample Sites	A-4,5
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Bear	A-7
Bear West	A-8
Bee	A-9
Blunn	A-10
Boggy (north)	A-10
Bull	A-11
Buttermilk	A-12
Carson	A-12
Commons Ford	A-13
Cottonmouth	A-13
Country Club West	A-14
Cuernavaca	A-14
Decker	A-14
Dry (East)	A-15
Dry (North)	A-15
Eanes	A-16
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Gilleland	A-17
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Harris Branch	A-18
Lake Creek	A-19
Little Barton	A-20
Little Bear	A-21
Little Walnut	A-21
Marble	A-22
North Fork Dry	A-22
Onion	A-23
Panther Hollow	A-23
Rattan	A-24
Rinard	A-24
Running Deer	A-25
Shoal	A-25
Slaughter	A-26
South Boggy	A-27
South Fork Dry	A-27
Tannehill	A-28
Taylor Slough North	A-28
Taylor Slough South	A-29
Turkey	A-29
Waller	A-30
Walnut	A-31
West Bouldin	A-32
West Bull	A-32
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* Species lists for each site are arranged in decending order from least tolerant to most tolerant.

Pollution Tolerance Index (PTI) values are assigned to the appropriate taxonomic level as determined by the TCEQ SWQM and USEPA Rapid Bioassessment Protocols.

Color coding has been added to facilitate visual review in the following manner:

 PTI Values ≤ 4	 PTI Values 5-6	 PTI Values ≥ 7
(intolerant)	(intermediant tolerance)	(tolerant)

** some watersheds are not represented due to lack of sampling (lack of flow)

Benthic Macroinvertebrate Metric Summary for 2011 Sample Sites (1 of 2)

2011 Site Metric Parameters		BAR at Stark (44)	BAR at Shield (46)	BAR H71 Blw LBA (48)	BAR @ Ogletree (49)	BAR at Lost Crk (51)	BAR u/s of Pool (51)	Blunn @ Riverside Dr (180)	Blunn @ Long Bow (362)	Blunn Abv Stacy Pool (364)	BMK @ LWA (851)	BOG @ Manor Rd (2754)	BOG @ Nile Rd (837)	CCW @ E Oltorf (850)	DKR @ Gilbert (1974)	EBO @ Elizabeth (119)	FOR us Manor (125)	FOR @ Single Shot (898)	GIL @ West Parsons (1191)	GIL @ FM973 (1192)	GIL @ S Railroad (1193)	GIL @ FM969 (886)	GIL @ Cameron (1914)	HRS @ Boyce (1201)	HRP @ Woodland (844)	LBA @ Barton Creek (77)	LWA @ Golden Meadow (838)	LWA @ Cameron (3857)	LWA @ Georgian (3860)	LWA @ US183 (634)
1877	# Of Taxa *	12	25	24	23	27	11	13	10	4	19	8	20	10	17	8	7	14	22	21	21	21	20	18	7	25	12	19	20	15
1886	Hilsenhoff Biotic Index *	6.2	5.5	4.9	4.8	4.4	6.7	6.0	6.5	8.1	5.8	6.7	6.6	8.1	5.1	7.2	6.4	7.0	4.0	4.5	4.7	3.8	3.7	5.9	6.6	4.7	6.1	5.0	6.4	6.2
2511	# Of Ephemeroptera Taxa *	2	6	3	5	4	2	1	1	0	2	0	2	0	4	0	2	2	5	4	5	4	3	2	0	6	2	3	4	2
2512	%Ttl as Chironomidae *	3.4	1.6	2.4	0.7	3.2	32.0	79.6	10.2	25.0	23.0	17.5	20.4	6.8	1.1	25.6	5.7	25.2	0.4	0.5	3.1	3.5	0.8	3.4	49.2	9.4	66.9	23.5	11.5	73.4
2515	# Of Ept Taxa *	4	9	7	10	8	2	1	2	0	4	0	5	0	7	0	3	2	9	8	8	9	6	5	0	13	2	6	5	5
2516	% Ttl as Ept *	52	39	43	67	31	14	6	2	0	13	0	19	0	55	0	90	28	48	60	58	62	67	33	0	80	6	58	14	11
2518	%Ttl as Predator *	34	49	30	23	29	40	82	82	25	55	58	60	14	17	44	10	46	24	21	21	14	6	21	60	14	87	32	77	84
2523	# Of InTol Taxa *	1	9	9	12	12	1	2	1	0	5	1	5	1	8	0	2	1	12	13	9	13	10	7	0	11	3	7	5	3
2525	%Dominance (Top 3 Taxa)*	59	63	52	58	43	62	88	80	88	55	74	64	82	55	66	94	73	53	62	38	50	58	56	85	63	84	57	72	83
2759	Ept/Ept+Chironomidae	0.94	0.96	0.95	0.99	0.91	0.30	0.07	0.17	0.00	0.35	0.00	0.48	0.00	0.98	0.00	0.94	0.53	0.99	0.99	0.95	0.95	0.99	0.91	0.00	0.89	0.08	0.71	0.55	0.13
2510	# Of Diptera Taxa	1	6	3	1	2	2	2	1	1	3	2	3	2	1	3	1	2	1	2	1	2	2	1	1	4	1	3	3	3
2514	# Of Noninsect Taxa	2	3	5	2	7	3	6	5	3	5	4	7	6	2	3	0	2	1	2	6	1	5	4	4	2	7	5	8	1
1873	# Of Organisms	29	128	245	152	190	50	358	98	16	135	57	304	44	183	82	87	111	241	553	130	200	126	149	65	498	287	315	686	252
1880	% Dominance (Top 1 Taxa)	31	41	24	32	16	30	77	45	63	24	37	29	57	30	26	74	24	21	30	16	23	32	34	49	37	66	24	50	73
2517	%Ttl as Collector/Gatherer	45	33	25	51	73	50	13	60	6	42	42	68	27	23	27	89	32	49	40	33	28	67	62	18	24	22	18	81	10
2526	%Ttl as Dom Guild (Ffg)	45	49	40	51	73	50	85	82	69	55	58	68	59	46	44	89	50	49	48	42	52	67	62	60	72	87	77	81	84
2513	% Ttl as Elmidae	0	1.6	11	4.6	30	2	0	0	0	1.5	0	0	0	15	0	0	0	11	14	5.4	16	14	7.4	0	5.4	0	3.2	0.1	0
2519	%Ttl as Filterers	21	17	40	22	10	32	85	11	25	40	21	22	9	46	41	7	25	25	48	42	36	20	15	49	72	70	77	17	77
2520	%Ttl as Grazers (Pi And Sc)	34	13	23	16	42	14	6	2	69	21	7	13	59	35	1	74	50	43	31	32	52	67	29	5	16	7	10	15	8
2524	%Ttl as Tol Organisms	3	0	8	0	1	2	7	1	63	2	0	4	57	0	16	1	25	0	0	1	0	0	0	12	0	3	0	1	9
2521	%Trich. as Hydropsychidae	60	86	49	76	77	0	0	100	0	67	0	25	0	86	0	0	0	80	91	58	59	63	59	0	72	0	54	0	31
2522	Ratio Of InTol:Tol Org	0.1	0.5	0.9	2.2	3.5	0.1	0.1	0	0	0.4	0	0.2	0	0.6	0	0.2	0.1	5	1.2	1.4	4.3	5.9	0.5	0	0.9	0.1	0.6	0.3	0.1
3160	Tceq Qual. ALU Score	23	26	34	28	32	20	19	16	15	23	16	23	23	30	20	17	18	30	27	35	35	33	27	17	32	18	28	19	20
3159	Tceq Quan. ALU Score	31	35	37	39	35	21	15	19	17	25	21	23	21	31	19	27	21	41	35	41	37	35	31	17	39	19	25	25	15

* EII scoring parameter: Nine metric parameters are used in the calculation of the EII Benthic Subindex score. Other metrics are shown to supplement evaluation.

Benthic Macroinvertebrate Metric Summary for 2011 Sample Sites (2 of 2)

2011 Site Metric Parameters		SHL us 1st (122)	SHL @ 24th (116)	SHL @ Shl Edge Cr (117)	TAN @ Lovell (843)	TAN @ Desirable (1476)	TAN @ Berkman (3858)	WLR ds Cesar Chavez (38)	WLR @ 23rd (624)	WLR @ 51st (780)	Wells Br @ Walnut MP (463)	WLN ds IH35 (464)	WLN ds MLK (5302)	WLN @ Old Manor (502)	WLN ds Metric (895)	WMS @ Mckinney Falls (223)	WBO @ Oltorf (3854)	AVG	2012 MIN	2012MAX
1877	# Of Taxa *	13	18	11	12	10	16	8	6	7	29	17	27	16	25	18	11	16	4	29
1886	Hilsenhoff Biotic Index *	6.2	6.4	7.1	6.5	6.1	6.0	6.2	6.3	7.4	5.4	6.8	6.5	5.9	6.8	5.2	6.6	6.0	3.7	8.1
2511	# Of Ephemeroptera Taxa *	2	3	2	1	2	2	2	1	2	4	3	5	1	3	1	1	2	0	6
2512	%Ttl as Chironomidae *	60.5	53.9	8.3	26.0	82.4	23.4	57.4	6.8	15.0	11.1	21.6	29.9	14.9	15.5	20.3	15.7	21.9	0.4	82.4
2515	# Of Ept Taxa *	3	4	2	2	2	2	3	2	2	8	5	5	2	7	4	2	4	0	13
2516	% Ttl as Ept *	27	24	30	4	2	60	25	49	13	29	20	39	3	9	23	17	29	0	90
2518	%Ttl as Predator *	63	61	10	78	85	28	65	29	20	43	50	37	78	38	52	79	44	6	87
2523	# Of InTol Taxa *	2	3	2	2	1	2	1	1	1	9	4	6	5	8	4	2	5	0	13
2525	%Dominance (Top 3 Taxa)*	86	74	72	72	92	78	84	71	85	53	62	66	69	61	59	76	68	38	94
2759	Ept/Ept+Chironomidae	0.31	0.31	0.78	0.13	0.03	0.72	0.31	0.88	0.46	0.72	0.48	0.57	0.15	0.36	0.53	0.53	0.53	0.00	0.99
2510	# Of Diptera Taxa	1	2	1	3	2	2	1	1	2	3	1	4	1	2	1	2	2	1	6
2514	# Of Noninsect Taxa	8	7	6	4	3	6	3	2	1	6	6	7	4	8	3	5	4	0	8
1873	# Of Organisms	294	380	96	104	210	192	197	117	40	659	111	398	74	393	133	287	206	16	686
1880	% Dominance (Top 1 Taxa)	60	51	36	38	81	38	55	29	60	25	27	29	47	34	22	36	40	16	81
2517	%Ttl as Collector/Gatherer	34	34	48	32	10	69	21	62	80	71	12	56	61	66	28	41	42	6	89
2526	%Ttl as Dom Guild (Ffg)	64	61	48	78	85	69	78	62	80	71	50	56	78	66	52	79	64	40	89
2513	% Ttl as Elmidae	0	0	0	4.8	0	0	0	0	0	21	0	2	8.1	2	2.3	0	4.1	0.0	30.0
2519	%Ttl as Filterers	64	57	10	27	82	27	78	36	15	20	23	31	15	28	21	31	35	7	85
2520	%Ttl as Grazers (Pi And Sc)	27	28	45	11	3	40	5	20	13	44	41	33	16	14	47	4	26	1	74
2524	%Ttl as Tol Organisms	1	6	38	9	0	3	0	0	0	1	43	10	7	3	2	1	7	0	63
2521	%Trich. as Hydropsychidae	100	100	0	0	0	0	100	100	0	36	8	0	0	76	4	100	41	0	100
2522	Ratio Of InTol:Tol Org	0.1	0.1	0.3	0	0	0.3	0	0.2	0.1	0.9	0.4	0.1	0.4	0.2	0.8	0	0.7	0.0	5.9
3160	Tceq Qual. ALU Score	17	19	23	20	17	19	16	18	15	26	27	24	20	25	29	18	23	15	35
3159	Tceq Quan. ALU Score	23	23	25	19	15	27	19	29	21	33	21	31	25	23	27	21	26	15	41

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Benthic Macroinvertebrate Metric Summary for 2012 Sample Sites (1 of 2)

2012 Site Metric Parameters		2012 Site Metric Parameters																																
		Bee @ Loop 360 (1104)	Bee @ Lake Austin (319)	Bee @ Road Runner Rd (322)	Bear @ Bear Creek Pass (4112)	Bear @ Twin Creeks Rd (1087)	Bull @ St. Edwards u/s of dam (920)	Bull u/s of Trib 7 (Franklin) (349)	Bull @ Loop 360 1st Crossing (350)	(Bull) Trib 5 d/s Hanks Tract (1164)	(Bull) Tributary 6 @ Bull Creek (151)	Carson @ Shady Spring (1094)	Carson @ Hoecke Lane (1096)	Cottonmouth @ Dee Gabriel (1209)	Dry (east) @ Wolf Lane (1210)	Dry (east) @ Pearce Rd (1211)	Dry (North) @ Mt Bonnel Rd (1108)	Dry (North) @ FM 2222 (1109)	Eanes @ Camp Craft Rd (1106)	Lake @ Shadowbrook Club (3978)	(LA) Common Ford Trib (1048)	(LA) Deer @ Running Deer Trail (316)	(LA) Bear West @ Fritz Hughes (1224)	(LA) Turkey @ City Park Rd (1221)	(LA) Cuernavaca @ River Hills (1222)	(LA) Panther Hollow @ Big View (1223)	Little Barton @ Great Divide (1114)	Little Barton @ Hamilton Pool (1115)	Little Bear @ Ashmun Property (3374)	Little Bear @ Bear Creek (1101)	Lake @ Sugar Berry Cv (1098)	Lake d/s of Meadowheath (1100)		
1877	# Of Taxa *	19	14	26	16	16	17	11	20	23	21	12	8	17	9	8	18	24	15	19	22	19	22	8	13	16	22	29	16	29	21	24		
1886	Hilsenhoff Biotic Index *	5.0	6.2	4.3	4.2	6.3	5.9	5.2	4.5	5.3	5.9	5.0	4.8	6.3	4.6	7.1	4.2	4.2	4.6	6.4	5.2	7.0	5.6	7.4	5.5	4.7	4.5	5.9	4.9	6.5	8.0	7.2		
2511	# Of Ephemeroptera Taxa *	1	2	3	4	1	3	1	4	1	4	1	1	4	2	1	1	1	2	2	3	2	1	1	1	2	2	3	2	4	3	4		
2512	%Ttl as Chironomidae *	6	31	12	1	7	15	12	10	19	6	20	13	14	7	0	18	15	1	1	45	29	22	25	21	5	9	16	4	2	1	2		
2515	# Of Ept Taxa *	4	4	8	6	5	6	4	7	6	9	3	2	5	3	1	4	6	2	2	6	5	5	2	4	2	7	6	6	6	3	6		
2516	% Ttl as Ept *	62	19	42	76	29	39	16	36	57	19	35	63	44	47	57	70	68	81	16	35	7	17	8	16	3	67	17	22	40	25	14		
2518	%Ttl as Predator *	17	55	21	6	14	18	13	11	25	10	51	17	21	26	17	22	20	12	45	49	33	25	25	26	7	25	41	6	21	8	4		
2523	# Of InTol Taxa *	4	5	11	7	5	8	5	7	7	8	4	2	5	2	0	5	6	2	2	6	6	6	2	5	3	6	5	4	5	2	6		
2525	%Dominance (Top 3 Taxa)*	63	55	62	82	64	73	74	73	58	65	68	80	52	75	78	69	64	89	77	62	76	72	82	62	94	48	45	84	62	84	90		
2759	Ept/Ept+Chironomidae	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1		
2510	# Of Diptera Taxa	7	4	7	3	2	5	2	4	6	3	3	4	4	3	1	4	7	2	1	5	2	7	1	2	1	3	6	3	4	1	2		
2514	# Of Noninsect Taxa	4	2	6	5	4	4	3	7	5	5	3	1	4	0	3	3	5	3	6	6	5	4	4	5	7	4	6	4	9	6	7		
1873	# Of Organisms	447	115	759	202	116	357	316	1256	292	450	74	305	73	57	23	673	856	210	419	265	378	389	231	267	420	251	431	939	314	412	2048		
1880	% Dominance (Top 1 Taxa)	33	23	31	59	29	34	51	37	30	34	30	62	26	39	57	34	25	80	36	27	41	30	54	27	77	27	18	54	29	45	78		
2517	%Ttl as Collector/Gatherer	26	18	17	81	19	49	3	42	24	46	64	66	48	54	83	25	26	84	60	35	13	22	10	13	81	48	19	15	49	47	89		
2526	%Ttl as Dom Guild (Ffg)	64	55	74	81	38	67	75	54	70	46	64	74	51	54	83	68	67	84	60	59	52	59	63	60	83	53	41	66	65	71	89		
2513	% Ttl as Elmidae	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	0	0	0	0	1	0	0	5	0	0	0	1	1		
2519	%Ttl as Filterers	64	38	74	19	38	32	75	54	70	42	28	29	25	40	9	68	67	2	8	59	37	59	27	60	83	21	34	66	11	1	3		
2520	%Ttl as Grazers (Pi And Sc)	20	43	14	70	35	67	17	39	16	15	43	74	51	40	61	28	29	6	34	35	52	38	63	27	15	53	23	30	65	71	16		
2524	%Ttl as Tol Organisms	1	23	0	3	34	28	13	2	3	0	0	9	30	0	0	2	1	9	36	2	44	21	54	18	12	8	14	18	32	50	0		
2521	%Trich. as Hydropsychidae	73	0	29	25	83	75	92	15	65	83	50	100	100	100	0	31	37	0	0	62	56	22	100	30	0	50	57	19	90	0	1		
2522	Ratio Of InTol:Tol Org	0.8	0.3	2	12	0.5	1	1.3	3.61	0.5	0.6	1.2	3	0.6	3.1	0	1.4	1.6	5.9	1.3	0.7	0.3	1.2	0.1	0.9	4.4	1.6	0.4	3	0.6	0.1	0.17		
3160	Tceq Qual. ALU Score	29	20	32	31	29	22	20	35	25	25	19	18	23	19	16	28	30	25	21	24	23	27	20	24	25	32	27	31	26	23	28		
3159	Tceq Quan. ALU Score	31	23	31	29	25	27	19	29	31	23	31	29	31	29	27	29	31	23	21	29	17	23	17	21	23	33	27	19	27	21	23		

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Benthic Macroinvertebrate Metric Summary for 2012 Sample Sites (2 of 2)

2012 Site Metric Parameters		Marble @ William Cannon (231)	Marble @ Thaxton Road (232)	North Fork Dry @ FM812 (1217)	Onion @ SAR WWTP (1366)	Onion @ Twin Creeks Road (236)	Onion u/s of Footbridge (241)	Onion @ McKinney Falls ds (255)	Onion @ Hudson Tract (4595)	Onion near Driftwood (612)	Rattan u/s of Parmer Ln (1009)	Rinard d/s of SH 45 (5398)	Rinard @ Bradshaw Rd (233)	Rinard @ FM1327 (1220)	Slaughter @ FM 1826 (623)	Slaughter @ Pine Valley Dr (1082)	South Fork Dry @ US183 (1215)	South Fork Dry @ FM812 (1216)	South Boggy @ Bluff Springs (227)	South Boggy @ W. Dittmar (1081)	Taylor Slough N @ Mayfield (3969)	Taylor Slough S @ Reed Park (318)	West Bull u/s of Bull Cr (343)	West Bull @ Bell Mt. (148)	2012 AVG	2012 MIN	2012MAX
1877	# Of Taxa *	20	20	13	11	16	20	12	13	10	24	13	13	14	12	22	12	18	22	16	19	22	16	19	18	8	29
1886	Hilsenhoff Biotic Index *	4.7	6.8	5.9	4.3	4.4	4.3	4.5	3.3	2.8	8.3	6.9	3.9	6.9	4.8	7.2	6.8	6.7	7.1	6.2	6.5	6.4	4.5	7.4	5.7	2.8	8.3
2511	# Of Ephemeroptera Taxa *	4	3	4	3	3	4	4	3	1	2	2	2	4	2	2	2	4	4	2	1	2	2	1	3	1	5
2512	%Ttl as Chironomidae *	12	15	9	3	4	7	4	2	2	0	6	3	7	1	19	10	9	14	59	58	39	19	14	14	0	59
2515	# Of Ept Taxa *	5	4	4	6	6	7	6	6	4	2	2	4	4	3	6	2	4	4	3	4	5	6	2	4	2	7
2516	% Ttl as Ept *	71	59	35	67	15	55	92	92	86	6	72	68	84	21	11	46	50	44	9	4	19	50	3	40	3	92
2518	%Ttl as Predator *	19	28	56	8	4	20	6	8	13	8	14	25	9	2	36	25	23	22	69	68	45	23	27	24	2	69
2523	# Of InTol Taxa *	3	3	4	5	6	7	5	5	4	3	2	4	3	5	5	1	3	4	5	3	5	8	3	4	1	8
2525	%Dominance (Top 3 Taxa)*	81	71	76	89	90	84	92	82	82	89	85	77	93	77	61	74	74	75	69	70	81	79	58	76	45	94
2759	Ept/Ept+Chironomidae	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	0	1	0	1
2510	# Of Diptera Taxa	3	3	2	3	3	3	2	1	3	1	3	4	3	3	6	2	3	4	5	3	8	4	3	3	1	8
2514	# Of Noninsect Taxa	6	5	4	1	5	8	2	3	2	6	4	3	4	5	6	5	4	7	6	6	4	3	7	5	1	9
1873	# Of Organisms	365	201	68	172	704	465	479	170	84	870	157	366	318	147	418	125	269	935	144	294	377	173	96	407	68	2048
1880	% Dominance (Top 1 Taxa)	69	55	38	49	76	50	56	48	51	70	71	34	82	45	35	46	43	37	52	51	34	42	38	47	18	82
2517	%Ttl as Collector/Gatherer	74	69	76	55	10	65	59	36	26	26	89	56	92	33	32	79	84	50	13	17	21	54	16	46	10	92
2526	%Ttl as Dom Guild (Ffg)	77	69	76	55	86	65	59	55	64	71	89	56	92	58	48	79	84	68	81	68	47	54	44	66	41	92
2513	% Ttl as Elmidae	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	6	0	2	0	1	0	6
2519	%Ttl as Filterers	17	22	9	45	86	34	41	55	64	1	6	43	7	58	31	10	9	15	81	62	45	45	22	36	1	86
2520	%Ttl as Grazers (Pi And Sc)	77	68	35	54	11	52	57	38	27	71	72	35	84	33	48	48	52	68	19	21	47	51	44	43	6	84
2524	%Ttl as Tol Organisms	4	4	1	0	2	0	0	4	2	73	0	0	1	12	35	2	4	29	13	14	30	0	45	15	0	73
2521	%Trich. as Hydropsychidae	100	0	0	96	96	86	78	7	2	0	0	33	0	0	79	0	0	0	100	89	67	33	0	35	0	100
2522	Ratio Of InTol:Tol Org	2.9	0	0.8	4.6	5.4	6.2	2	6.7	13	0.1	0.1	3.8	0	3.7	0.1	0.1	0.2	0.2	0.1	0.1	0.4	3	0.2	1.9	0.0	12.7
3160	Tceq Qual. ALU Score	23	19	19	27	31	28	23	31	32	23	20	27	21	19	26	18	21	23	20	24	23	27	25	25	18	32
3159	Tceq Quan. ALU Score	29	29	27	29	17	29	29	29	29	21	27	29	27	23	25	27	27	27	17	21	25	29	25	25	17	33

* EII scoring parameter: Nine metric parameters are used in the calculation of the EII Benthic Subindex score. Other metrics are shown to supplement evaluation.

Benthic Macroinvertebrates - Barton Creek				BAR @ Stark (44) 06/16/20 11	BAR @ Shield (46) 06/13/20 11	BAR @ Hwy71 ds LBA (48) 06/15/2011	BAR @ Ogletree (49) 06/13/201	BAR @ Lost Ck (51) 06/10/201	BAR btwn dams us BSP (879) 06/15/201
PARAM_NO	PARAMETER	PTI	FFG						
343	Chimarra	2	FC	2		45	4	2	
2176	Farrodes Texanus	2	CG,SC			2			
356	Hexacyloepus Ferrugineus	2	CG,SC		1	2	2	1	
363	Hydroptila	2	PI,SC		3	1	1		
366	Microcyloepus Pusillus	2	CG,SC		1	21	3	8	
821	Neoelmis Caesa	2	CG,SC			3		2	
382	Thraulodes Gonzalesi	2	CG,SC		1		5	1	
364	Isonychia	3	FC			1			
373	Polycentropus / Cernotina	3	FC,P				3		
1755	Callibaetis	4	CG						1
341	Camelobaetidius	4	CG		2		4	5	
1360	Fallceon	4	CG,SC		7		1	1	
920	Macrelmis	4	CG,SC				2	24	
1523	Neochoroterpes	4	CG		6		10		
369	Ostracoda	4	CG,FC			2		1	
508	Psephenus	4	SC				8	2	
377	Simulium	4	FC		1				
832	Smicridea	4	FC		1	23	7	3	
334	Ambrysus	5	P				3	2	
2410	Cincinnatia Cincinnatiensis	5	SC					2	
1744	Dasyhelea	5	CG,SC		1				
350	Dubiraphia	5	CG,SC						1
5286	Lutrochus	5	CG		6	3	1	1	
1164	Mesovelgia	5	P						1
518	Petrophila (Moth)	5	SC				1		
1986	Rheumatobates	5	P						1
384	Tricorythodes	5	CG		11	12	48	26	
335	Argia	6	P	5	52	59	21	6	
339	Brechmorhoga Mendax	6	P		1		4		
788	Cheumatopsyche	6	FC	3	18	21	19	3	
789	Chironomidae	6	FC,P		2	6		1	6
2209	Corydalus Cornutus	6	P			1			
1745	Fossaria	6	SC			1		1	
507	Hetaerina	6	P			1	1		
359	Hydracarina	6			2				6
522	Microvelia	6	P			1			
2158	Neoporus	6	P	1					
376	Rhagovelia	6	P		2	3		3	
2162	Stenonema Femoratum	6	CG,SC	9	1				
346	Corbicula Fluminea	6	FC			5		1	
381	Tanytopodinae	6	P	1			1	1	10
1743	Bezzia / Palpomyia	7	CG,P		1	2			
340	Caenis	7	CG,SC	1					6
1825	Culicoides	7	CG,P						1
4276	Ferrissia	7	SC			1			
1746	Gyraulus	7	SC				1	1	
1110	Tabanus Whitneyomyia Atylotus Complex	7	P		3				
5879	Caloparyphus/Euparyphus	8	CG,SC		2	5		1	
5880	Cymbiodyta	8	P	2	1				
358	Hyaella	8	CG,SH						15
367	Oligochaeta	8	CG	2	1	9			1
873	Libellulidae	9	P						1
371	Physella	9	SC			20		2	
835	Tropisternus	10	P	1					
2004	Cambaridae		CG	1					
5390	Carabidae			1					
2970	Dugesia		CG,P		1		2	31	

Benthic Macroinvertebrates - Bear Creek				BER @ Bear Creek Pass (4112) 04/24/2012	BER @ Twin Creeks (1087) 04/26/2012
PARAM NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	3	1
806	Helicopsyche	2	SC		
356	Hexacylloepus Ferrugineus	2	CG,SC		
363	Hydroptila	2	PI,SC		
366	Microcyloepus Pusillus	2	CG,SC	1	
821	Neelmis Caesa	2	CG,SC		
382	Thraulodes Gonzalesi	2	CG,SC		
805	Gammarus	3	CG,SH		15
364	Isonychia	3	FC		
1742	Suragina Concinna	3	P		
1755	Callibaetis	4	CG		
341	Camelobaetidius	4	CG	25	
1360	Fallceon	4	CG,SC	119	4
812	Hydroptilidae	4	CG,PI,SC,SH		2
920	Macrelmis	4	CG,SC		
369	Ostracoda	4	CG,FC	3	
508	Psephenus	4	SC		
377	Simulium	4	FC	22	10
832	Smicridea	4	FC		
1462	Stenacron	4	CG,SC		
379	Stenonema / Maccaffertium	4	CG,SC	5	
333	Agabus	5	P		2
2410	Cincinnatia Cincinnatiensis	5	SC		
1857	Leptoceridae	5	P,SH		2
1089	Oecetis	5	P,SH		
518	Petrophila (Moth)	5	SC		
384	Tricorythodes	5	CG		
335	Argia	6	P	2	
339	Brechmorhoga Mendax	6	P		
788	Cheumatopsyche	6	FC	1	25
789	Chironomidae	6	FC,P	2	4
2127	Enallagma	6	P		
808	Hemerodromia	6	CG,P		
507	Hetaerina	6	P		
359	Hydracarina	6		2	
372	Planorbidae	6	SC	1	
376	Rhagovelia	6	P		
2162	Stenonema Femoratum	6	CG,SC		
381	Tanyptodinae	6	P		4
346	Corbicula Fluminea	6	FC		
1743	Bezzia / Palpomyia	7	CG,P		
340	Caenis	7	CG,SC	1	
4276	Ferrissia	7	SC		
2391	Helisoma Anceps	7	SC		1
378	Stenelmis	7	CG,SC		
5879	Caloparyphus/Euparyphus	8	CG,SC		
357	Hirudinea	8	P		
358	Hyaella	8	CG,SH		
367	Oligochaeta	8	CG		
1532	Peltodytes	8	P,PI,SH		
361	Hydroporus	9	P		3
1090	Ischnura	9	P		
371	Physella	9	SC	6	34
1834	Poduridae	10	CG		1
835	Tropisternus	10	P		1
5656	Bivalvia				6
2004	Cambaridae		CG		
5390	Carabidae				1
2970	Dugesia		CG,P	1	
4342	Melanoides Tuberculatus		SC		
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,S	8	

Benthic Macroinvertebrates - Bear Creek West				BRW @ Fritz Hughes (1224) 05/04/2012
PARAM_NO	PARAMETER	PTI	FFG	
343	Chimarra	2	FC	3
363	Hydroptila	2	PI,SC	3
373	Polycentropus / Cernotina	3	FC,P	1
1360	Fallceon	4	CG,SC	59
369	Ostracoda	4	CG,FC	17
377	Simulium	4	FC	118; 3
333	Agabus	5	P	1; 3
871	Hydrophilidae	5	CG,P	1
788	Cheumatopsyche	6	FC	2
789	Chironomidae	6	FC,P	83
500	Gastropoda	6	SC	2
808	Hemerodromia	6	CG,P	1
1463	Probezzia	6	P	1
381	Tanypodinae	6	P	2
378	Stenelmis	7	CG,SC	1
5879	Caloparyphus/Euparyphus	8	CG,SC	2
804	Euparyphus	8	CG,SC	1
367	Oligochaeta	8	CG	1
1085	Enochrus	9	CG	2
361	Hydroporus	9	P	1
371	Physella	9	SC	79
519	Trepobates	10	P	1
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1

Benthic Macroinvertebrates - Bee Creek				BEE @ 360 (1104) 05/01/2012	BEE @ Roadrunner (322) 05/01/2012	BEE @ LKA (319) 05/03/2012
PARAM_NO	PARAMETER	PTI	FFG			
802	Erpetogomphus	1	P		3	
343	Chimarra	2	FC	48	155	1
806	Helicopsyche	2	SC		1	
363	Hydroptila	2	PI,SC	7	5	5
366	Microcyloepus Pusillus	2	CG,SC		1	
838	Nectopsyche	3	CG,P,SH		1	
1360	Fallceon	4	CG,SC	74	81	15
1454	Heptageniidae	4	SC			1
360	Hydrometra	4	P		1	
369	Ostracoda	4	CG,FC		4	
377	Simulium	4	FC	61	236; 1	3
379	Stenonema / Maccaffertium	4	CG,SC		6	
334	Ambrysus	5	P	2		
335	Argia	6	P	34	40	11
788	Cheumatopsyche	6	FC	146	67	
789	Chironomidae	6	FC,P	28	80	26
808	Hemerodromia	6	CG,P	1	2	
359	Hydracarina	6		1	26	3
522	Microvelia	6	P			8
1463	Probezzia	6	P	1	4	
381	Tanypodinae	6	P		13	10
340	Caenis	7	CG,SC		1	
378	Stenelmis	7	CG,SC	8	1; 1	
5879	Caloparyphus/Euparyphus	8	CG,SC	1	3	2
804	Euparyphus	8	CG,SC		1	
358	Hyaella	8	CG,SH	22	10	
367	Oligochaeta	8	CG	2		
504	Tipula	8	CG,SH	1		
792	Coenagrionidae	9	P			2
371	Physella	9	SC		1	22
1832	Isotomidae	10	CG		1	
519	Trepobates	10	P	3		2
2970	Dugesia		CG,P	6	5	
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1	8	4

Benthic Macroinvertebrates - Blunn Creek				BLU @ Long Bow (362) 06/08/2011	BLU us Stacy Pool (364) 06/08/2011	BLU @ Riverside Dr (180) 06/09/2011
PARAM_NO	PARAMETER	PTI	FFG			
1755	Callibaetis	4	CG			20
1360	Fallceon	4	CG,SC	1		
369	Ostracoda	4	CG,FC			16
335	Argia	6	P	22		1
788	Cheumatopsyche	6	FC	1		
789	Chironomidae	6	FC,P	7	3	274
359	Hydracarina	6		1		1
522	Microvelia	6	P			1
376	Rhagovelia	6	P	4		
381	Tanypodinae	6	P	3	1	11
4276	Ferrissia	7	SC		1	
367	Oligochaeta	8	CG	12	1	4
873	Libellulidae	9	P			1
371	Physella	9	SC	1	10	20
1201	Culex	10	FC			3
835	Tropisternus	10	P			1
498	Collembola	10	CG	1		
2004	Cambaridae		CG	2		2
2970	Dugesia		CG,P	44		3

Benthic Macroinvertebrates - Boggy Creek				BOG @ Manor Rd (2754) 06/14/2011	BOG @ Nile Rd (837) 06/10/2011
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC		2
363	Hydroptila	2	PI,SC		1
1755	Callibaetis	4	CG		16
1360	Fallceon	4	CG,SC		38
369	Ostracoda	4	CG,FC	2	1
871	Hydrophilidae	5	CG,P		1
335	Argia	6	P	21	14
788	Cheumatopsyche	6	FC		1
789	Chironomidae	6	FC,P	7	50
2127	Enallagma	6	P		1
359	Hydracarina	6			1
381	Tanypodinae	6	P	3	12
1743	Bezzia / Palpomyia	7	CG,P		1
5881	Scirtidae	7	CG,SC,SH	4	
351	Dugesia Tigrina	7.5	CG,P		88
357	Hirudinea	8	P	2	6
358	Hyaella	8	CG,SH	14	57
367	Oligochaeta	8	CG	3	1
504	Tipula	8	CG,SH	1	1
1085	Enochrus	9	CG		2
371	Physella	9	SC		1
835	Tropisternus	10	P		9

Benthic Macroinvertebrates - Bull Creek				Trib 6 @ BUL (151) 05/02/2012	BUL Trib 5 ds Hanks (1164) 05/02/2012	BUL us Trib 7 (349) 05/02/2012	BUL @ St Edward s us Dam (920) 04/27/2 012	BUL @ LOOP360 (350) 04/24/201 2
PARAM_NO	PARAMETER	PTI	FFG					
1521	Marilia	0	SH	1				
370	Perlesta	0	P			3		4
343	Chimarra	2	FC	4	38	3	1	
363	Hydroptila	2	PI,SC	6			1; 1	45
824	Oxyethira	2	CG,SC		1			
373	Polycentropus / Cernotina	3	FC,P		7			
341	Camelobaetidium	4	CG				3	4
1360	Fallceon	4	CG,SC	13	31	10	121	379
369	Ostracoda	4	CG,FC	16	2		38	72
508	Psephenus	4	SC	41; 2	1	1	2	
377	Simulium	4	FC	86	1; 11	3; 160	6	466
379	Stenonema / Maccaffertium	4	CG,SC	2			2	8
333	Agabus	5	P		5; 4			
2410	Cincinnatia Cincinnatiensis	5	SC					1
871	Hydrophilidae	5	CG,P		1			
1856	Hydropsychidae	5	FC	1				
384	Tricorythodes	5	CG	4				
335	Argia	6	P	17			1	
788	Cheumatopsyche	6	FC	54	87	34	9	8
789	Chironomidae	6	FC,P	17	43	30	23	52
359	Hydracarina	6		4	5	21	7	43
1087	Philopotamidae	6	FC		1			
1463	Problezia	6	P	1			1	
376	Rhagovelia	6	P	1				
381	Tanytoidinae	6	P	8	9	8	29	75
1743	Bezzia / Palpomyia	7	CG,P					2
340	Caenis	7	CG,SC	1				4
2391	Helisoma Anceps	7	SC			3		1
5881	Scirtidae	7	CG,SC,SH		3			
378	Stenelmis	7	CG,SC	1	1			9; 3
5879	Caloparyphus/Euparyphus	8	CG,SC		1		1	
1714	Cryptochironomus	8	P	1	3			
804	Euparyphus	8	CG,SC		1			
358	Hyaella	8	CG,SH	154	10		1	39
367	Oligochaeta	8	CG	14	15			5
504	Tipula	8	CG,SH		1			
338	Berosus	9	CG					1
1085	Enochrus	9	CG		1			
873	Libellulidae	9	P			1		
371	Physella	9	SC	1	7	39	101	29
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH		2		9	6

Benthic Macroinvertebrates - Buttermilk Branch				BMK @ LWA (851) 06/10/2011
PARAM_NO	PARAMETER	PTI	FFG	
343	Chimarra	2	FC	1
366	Microcyloepus Pusillus	2	CG,SC	1
341	Camelobaetidius	4	CG	4
1360	Fallceon	4	CG,SC	10
369	Ostracoda	4	CG,FC	20
333	Agabus	5	P	1
1083	Helochaeres	5	CG	1
335	Argia	6	P	32
788	Cheumatopsyche	6	FC	2
789	Chironomidae	6	FC,P	22
801	Ephydriidae	6	P	2
507	Hetaerina	6	P	1
522	Microvelia	6	P	1
381	Tanyptodinae	6	P	9
378	Stenelmis	7	CG,SC	1
5879	Caloparyphus/Euparyphus	8	CG,SC	14
357	Hirudinea	8	P	4
367	Oligochaeta	8	CG	4
371	Physella	9	SC	3
2970	Dugesia		CG,P	2

Benthic Macroinvertebrates - Carson Creek				CAR @ Hoecke (1096) 04/27/2012	CAR @ Shady Spgs (1094) 04/27/2012
PARAM_NO	PARAMETER	PTI	FFG		
802	Erpetogomphus	1	P		2
806	Helicopsyche	2	SC		2
1360	Fallceon	4	CG,SC	188	22
377	Simulium	4	FC	30; 1	1
2410	Cincinnati Cincinnatiensis	5	SC		3
335	Argia	6	P	1	
788	Cheumatopsyche	6	FC	5	2
789	Chironomidae	6	FC,P	12	12
376	Rhagovelia	6	P		2
381	Tanyptodinae	6	P	27	3
5881	Scirtidae	7	CG,SC,SH		2
358	Hyaella	8	CG,SH		4
504	Tipula	8	CG,SH	2	
371	Physella	9	SC	27	
2970	Dugesia		CG,P		16
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	12	3

Benthic Macroinvertebrates - Commons Ford Creek				CMF in CF Metro Pk (1048) 05/04/2012
PARAM_NO	PARAMETER	PTI	FFG	
363	Hydroptila	2	PI,SC	4
5269	Boyeria	3		1
1360	Fallceon	4	CG,SC	72
369	Ostracoda	4	CG,FC	3
377	Simulium	4	FC	20
379	Stenonema / Maccaffertium	4	CG,SC	4
2410	Cincinnatia Cincinnatiensis	5	SC	2
871	Hydrophilidae	5	CG,P	1
1857	Leptoceridae	5	P,SH	1
788	Cheumatopsyche	6	FC	8
789	Chironomidae	6	FC,P	72
359	Hydracarina	6		11
381	Tanypodinae	6	P	47
1743	Bezzia / Palpomyia	7	CG,P	1
340	Caenis	7	CG,SC	3
781	Anopheles	8	FC	1
5880	Cymbiodyta	8	P	1
367	Oligochaeta	8	CG	1
792	Coenagrionidae	9	P	1
371	Physella	9	SC	3
519	Trepobates	10	P	1
2004	Cambaridae		CG	1
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	6

Benthic Macroinvertebrates - Cottonmouth Creek				CTM @ D G Collins (1206) 05/02/2012
PARAM_NO	PARAMETER	PTI	FFG	
1755	Callibaetis	4	CG	13
1360	Fallceon	4	CG,SC	6
369	Ostracoda	4	CG,FC	1
377	Simulium	4	FC	2
1462	Stenacron	4	CG,SC	4
788	Cheumatopsyche	6	FC	4
789	Chironomidae	6	FC,P	5
359	Hydracarina	6		1
372	Planorbidae	6	SC	1
381	Tanypodinae	6	P	5
340	Caenis	7	CG,SC	5
1825	Culicoides	7	CG,P	2
5881	Scirtidae	7	CG,SC,SH	1
338	Berosus	9	CG	1
1174	Corixidae	9	CG,P	1
361	Hydroporus	9	P	1
371	Physella	9	SC	19
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1

Benthic Macroinvertebrates - Country Club West				CCW @ E Oltorf (850) 06/08/2011
PARAM_NO	PARAMETER	PTI	FFG	
369	Ostracoda	4	CG,FC	1
4227	Liodessus Obscurellus	5	P	1
789	Chironomidae	6	FC,P	1
1745	Fossaria	6	SC	1
359	Hydracarina	6		1
522	Microvelia	6	P	1
381	Tanypodinae	6	P	2
351	Dugesia Tigrina	7.5	CG,P	1
1525	Nemotelus	8	CG	1
367	Oligochaeta	8	CG	9
371	Physella	9	SC	25

Benthic Macroinvertebrates - Cuernavaca Creek				CRN @ River Hills (1222) 04/25/2012
PARAM_NO	PARAMETER	PTI	FFG	
343	Chimarra	2	FC	3
373	Polycentropus / Cernotina	3	FC,P	11
1360	Fallceon	4	CG,SC	23
369	Ostracoda	4	CG,FC	11
377	Simulium	4	FC	71; 2
333	Agabus	5	P	2
2410	Cincinnati Cincinnatiensis	5	SC	1
788	Cheumatopsyche	6	FC	6
789	Chironomidae	6	FC,P	48
359	Hydracarina	6		33
2292	Hydrobius	6	P	1
381	Tanypodinae	6	P	7
371	Physella	9	SC	47
2970	Dugesia		CG,P	1

Benthic Macroinvertebrates - Decker Creek				DKR @ Gilbert (1974) 06/16/2011
PARAM_NO	PARAMETER	PTI	FFG	
806	Helicopsyche	2	SC	13
356	Hexacylloepus Ferrugineus	2	CG,SC	11
514	Leptohyphes	2	CG	1
821	Neelmis Caesa	2	CG,SC	1
1360	Fallceon	4	CG,SC	1
1523	Neochoroterpes	4	CG	1
508	Psephenus	4	SC	7
832	Smicridea	4	FC	28
384	Tricorythodes	5	CG	3
335	Argia	6	P	19
788	Cheumatopsyche	6	FC	54
789	Chironomidae	6	FC,P	1
507	Hetaerina	6	P	1
376	Rhagovalia	6	P	1
381	Tanypodinae	6	P	1
346	Corbicula Fluminea	6	FC	4
4276	Ferrissia	7	SC	16
378	Stenelmis	7	CG,SC	15
2970	Dugesia		CG,P	9

Benthic Macroinvertebrates - Dry Creek East				SFD @ Pearce (1211) 04/27/2012	SFD @ Wolf (1210) 04/27/2012
PARAM_NO	PARAMETER	PTI	FFG		
1360	Fallceon	4	CG,SC		22
377	Simulium	4	FC		15
871	Hydrophilidae	5	CG,P	1	
1757	Trichocorixa	5	CG,P		6
335	Argia	6	P		1
788	Cheumatopsyche	6	FC		4
789	Chironomidae	6	FC,P		3
522	Microvelia	6	P		2
2158	Neoporus	6	P	2	
381	Tanyptodinae	6	P		1
340	Caenis	7	CG,SC	13	1
1825	Culicoides	7	CG,P		2
1108	Daphnia	8	FC	1	
358	Hyaella	8	CG,SH	3	
1763	Laccobius	8		1	
367	Oligochaeta	8	CG	1	
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1	

Benthic Macroinvertebrates - Dry Creek North				DRN @ FM 2222 (1109) 04/25/2012	Rd (1108) 04/24/2012
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	217	227
806	Helicopsyche	2	SC	24	
1360	Fallceon	4	CG,SC	194	129
812	Hydroptilidae	4	CG,PI,SC,SH		10
369	Ostracoda	4	CG,FC	2	
508	Psephenus	4	SC	10; 6	4; 13
377	Simulium	4	FC	65; 1	2
333	Agabus	5	P		1
1104	Aquarius	5	P		1
521	Gerris	5	P		1
1856	Hydropsychidae	5	FC	1	
518	Petrophila (Moth)	5	SC	1; 3	
335	Argia	6	P	19	4
788	Cheumatopsyche	6	FC	141	106
789	Chironomidae	6	FC,P	116	104
808	Hemerodromia	6	CG,P	2	1
359	Hydracarina	6			3
1087	Philopotamidae	6	FC	6	
376	Rhagovelia	6	P	1	11
5148	Seromyia	6	P	1	
381	Tanyptodinae	6	P	15	17
378	Stenelmis	7	CG,SC	6; 1	16; 4
781	Anopheles	8	FC	1	
358	Hyaella	8	CG,SH	2	
367	Oligochaeta	8	CG	1	
371	Physella	9	SC	2	13
1527	Pericoma/Telmatoscopus	10	CG	1	
519	Trepobates	10	P	4	
2970	Dugesia		CG,P	8	4
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	5	2

Benthic Macroinvertebrates - Eanes Creek				EAN @ Camp Craft (1106) 05/01/2012
PARAM_NO	PARAMETER	PTI	FFG	
1755	Callibaetis	4	CG	169
379	Stenonema / Maccaffertium	4	CG,SC	1
333	Agabus	5	P	1
1104	Aquarius	5	P	5
789	Chironomidae	6	FC,P	3
522	Microvelia	6	P	8
2391	Helisoma Anceps	7	SC	1
792	Coenagrionidae	9	P	1
1174	Corixidae	9	CG,P	1
1085	Enochrus	9	CG	1
1090	Ischnura	9	P	4
371	Physella	9	SC	10
519	Trepobates	10	P	1
2004	Cambaridae		CG	3
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1

Benthic Macroinvertebrates - East Bouldin Creek				EBO @ Elizabeth (119) 06/10/2011
PARAM_NO	PARAMETER	PTI	FFG	
335	Argia	6	P	2
789	Chironomidae	6	FC,P	21
359	Hydracarina	6		11
522	Microvelia	6	P	13
5879	Caloparyphus/Euparyphus	8	CG,SC	1
358	Hyaella	8	CG,SH	20
367	Oligochaeta	8	CG	1
1201	Culex	10	FC	13

Benthic Macroinvertebrates - Fort Branch				FOR us Manor (125) 06/09/2011	FOR @ Single Shot (898) 06/09/2011
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	1	
1755	Callibaetis	4	CG	13	4
521	Gerris	5	P		2
1164	Mesovelia	5	P		1
496	Archilestes	6	P		1
335	Argia	6	P		3
789	Chironomidae	6	FC,P	5	27
2127	Enallagma	6	P		11
522	Microvelia	6	P	2	
381	Tanyptodinae	6	P		1
1743	Bezzia / Palpomyia	7	CG,P		2
340	Caenis	7	CG,SC	64	27
5881	Scirtidae	7	CG,SC,SH		1
357	Hirudinea	8	P		2
338	Berosus	9	CG		1
371	Physella	9	SC		27
519	Trepobates	10	P	1	
5846	Epitheca		P		1
5150	Pantala		P	1	

Benthic Macroinvertebrates - Gilleland Creek				GIL @ S Railroad (1193) 06/15/2011 (WRE)	GIL @ Cameron (1914) 06/15/2011 (WRE)	GIL @ West Parsons (1191) 06/16/2011 (WRE)	GIL @ FM973 (1192) 06/14/2011 (WRE)	GIL @ FM969 (886) 06/14/2011 (WRE)
PARAM_NO	PARAMETER	PTI	FFG					
802	Erpetogomphus	1	P		2		1	3
343	Chimarra	2	FC	21	9		3	
806	Helicopsyche	2	SC			12	22	34
356	Hexacyloopus Ferrugineus	2	CG,SC		7	13	34	20
363	Hydroptila	2	PI,SC					1
514	Leptohyphes	2	CG			2		
366	Microcyloopus Pusillus	2	CG,SC		2	3	3	1
821	Neelmis Caesa	2	CG,SC		5	1	17	1
382	Thraulodes Gonzalesi	2	CG,SC	4	19	15	27	10
364	Isonychia	3	FC			4	5	6
341	Camelobaetidius	4	CG	3	2		2	
1360	Fallceon	4	CG,SC	13	40	8	22	8
501	Helichus	4	CG,SC					2
355	Heterelmis	4	CG,SC	1		1	6	
920	Macrelmis	4	CG,SC	6		2		
508	Psephenus	4	SC	5	7	40	22	14
377	Simulium	4	FC					3
832	Smicridea	4	FC	16	14	37	88	46
2157	Vacupernius Packeri	4	CG	1				
2410	Cincinnati Cincinnatiensis	5	SC				1	
1089	Oecetis	5	P,SH			2		4
518	Petrophila (Moth)	5	SC			2		4
1986	Rheumatobates	5	P	1				
384	Tricorythodes	5	CG	4		17		5
335	Argia	6	P	10	3	2	23	12
339	Brechmorhoga Mendax	6	P	4		2		
788	Cheumatopsyche	6	FC	13	1	19	164	9
789	Chironomidae	6	FC,P	4	1	1	3	7
1745	Fossaria	6	SC	7				
359	Hydracarina	6			2			
346	Corbicula Fluminea	6	FC	10	1	3	11	
4276	Ferrissia	7	SC	4	1			
378	Stenelmis	7	CG,SC		4	7	18	9
351	Dugesia Tigrina	7.5	CG,P	7	2			
357	Hirudinea	8	P	1				1
358	Hyalella	8	CG,SH	4	2			
367	Oligochaeta	8	CG		2			
504	Tipula	8	CG,SH				1	
338	Berosus	9	CG				1	
371	Physella	9	SC	1				
5489	Ceratopogon				1			
2970	Dugesia		CG,P			50	90	

Benthic Macroinvertebrates - Harper's Branch				Woodland (844) 06/15/2011
PARAM_NO	PARAMETER	PTI	FFG	
789	Chironomidae	6	FC,P	32
359	Hydracarina	6		11
2391	Helisoma Anceps	7	SC	2
873	Libellulidae	9	P	2
371	Physella	9	SC	1
5153	Pachydiplax Longipennis	10	P	5
2004	Cambaridae		CG	12

Benthic Macroinvertebrates - Harris Branch				HRS @ Boyce (1201)
PARAM_NO	PARAMETER	PTI	FFG	06/15/2011
802	Erpetogomphus	1	P	2
806	Helicopsyche	2	SC	12
356	Hexacylloepus Ferrugineus	2	CG,SC	2
366	Microcyllloepus Pusillus	2	CG,SC	4
821	Neelmis Caesa	2	CG,SC	1
1360	Fallceon	4	CG,SC	18
832	Smicridea	4	FC	7
800	Elmidae	5	CG,SC	1
335	Argia	6	P	15
339	Brechmorhoga Mendax	6	P	5
788	Cheumatopsyche	6	FC	10
789	Chironomidae	6	FC,P	5
340	Caenis	7	CG,SC	2
378	Stenelmis	7	CG,SC	3
351	Dugesia Tigrina	7.5	CG,P	5
358	Hyaella	8	CG,SH	51
367	Oligochaeta	8	CG	1
2004	Cambaridae		CG	5

Benthic Macroinvertebrates - Lake Creek				LKC ds Meadowheath (1100) 04/27/2012	LKC @ Shadowbrook (3978) 04/26/2012	LKC @ Sugar Berry (1098) 04/26/2012
PARAM_NO	PARAMETER	PTI	FFG			
806	Helicopsyche	2	SC	134; 3		
366	Microcyllopus Pusillus	2	CG,SC	4; 2		
1755	Callibaetis	4	CG		52	3
1360	Fallceon	4	CG,SC	117		
369	Ostracoda	4	CG,FC	7	25	
508	Psephenus	4	SC	2		
379	Stenonema / Maccaffertium	4	CG,SC	2		2
333	Agabus	5	P		4	
5883	Anax Junius	5	P			1
800	Elmidae	5	CG,SC	1		
1164	Mesovelia	5	P	1		1
518	Petrophila (Moth)	5	SC	23		
1986	Rheumatobates	5	P			1
1757	Trichocorixa	5	CG,P		152	12
384	Tricorythodes	5	CG	6		
335	Argia	6	P	8		
788	Cheumatopsyche	6	FC	2		
789	Chironomidae	6	FC,P	39	2	3
359	Hydracarina	6		1	2	7
522	Microvelia	6	P		1	
2158	Neoporus	6	P		1	
372	Planorbidae	6	SC			1
346	Corbicula Fluminea	6	FC			2
381	Tanypodinae	6	P	4	4	
340	Caenis	7	CG,SC	14	15	96
797	Curculionidae	7	SH			1
2391	Helisoma Anceps	7	SC	1	9	3
378	Stenelmis	7	CG,SC	10; 8		4
1108	Daphnia	8	FC		1	
357	Hirudinea	8	P	8		3
358	Hyaella	8	CG,SH	1596		63
1532	Peltodytes	8	P,PI,SH			6
1991	Tubificidae	8	CG	38		
338	Berosus	9	CG	2	2; 3	13; 1
792	Coenagrionidae	9	P	3		
1085	Enochrus	9	CG		1	
361	Hydroporus	9	P		19	
1090	Ischnura	9	P			3
371	Physella	9	SC		119	186
1242	Belostoma	10	P			1
1832	Isotomidae	10	CG		2	
1246	Sympetrum	10	P		3	
835	Tropisternus	10	P		1	1
2970	Dugesia		CG,P	9		
5263	Neogerris				1	
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	3		

Benthic Macroinvertebrates - Little Barton Creek				LBA @ Hamilton Pool (1115)	LBA @ Great Divide (1114)	LBA @ BAR (77) 05/03/2012
PARAM_NO	PARAMETER	PTI	FFG			
370	Perlesta	0	P		29	
343	Chimarra	2	FC	8; 1		82
356	Hexacyloepus	2	CG,SC			1
363	Hydroptila	2	PI,SC		15	
366	Microcyloepus	2	CG,SC			20; 6
364	Isonychia	3	FC			2
373	Polycentropus /	3	FC,P			1
341	Camelobaetidius	4	CG		23	30
1360	Fallceon	4	CG,SC	46	68	47
812	Hydroptilidae	4	CG,PI,SC,SH		9	
1872	Leptohyphidae	4	CG			1
839	Mayatrichia	4	SC			1
369	Ostracoda	4	CG,FC	25	3	
377	Simulium	4	FC	23		
832	Smicridea	4	FC			11
379	Stenonema /	4	CG,SC	3		1
333	Agabus	5	P	8; 4		
1104	Aquarius	5	P		2	
2410	Cincinnatia	5	SC	1		
800	Elmidae	5	CG,SC		1	
1856	Hydropsychidae	5	FC		1	24; 2
1857	Leptoceridae	5	P,SH	1		
817	Limnoporous	5	P	2		
5286	Lutrochus	5	CG			1
384	Tricorythodes	5	CG			8
335	Argia	6	P	56	1	14
788	Cheumatopsych	6	FC	13	23	184
789	Chironomidae	6	FC,P	62	12	38
808	Hemerodromia	6	CG,P			2
359	Hydracarina	6		78	5	2
522	Microvelia	6	P	7	2	
2158	Neoporus	6	P	1; 3	2	
1087	Philopotamidae	6	FC			2
1463	Problezzia	6	P	1	1	
376	Rhagovelia	6	P			3
381	Tanypodinae	6	P	8	11	9
340	Caenis	7	CG,SC	3		
2391	Helisoma	7	SC	2	7	
378	Stenelmis	7	CG,SC		1; 11	
781	Anopheles	8	FC	5		
5879	Caloparyphus/E	8	CG,SC	1		1
5880	Cymbiodyta	8	P	3		
358	Hyaella	8	CG,SH			1
1763	Laccobius	8		1		
367	Oligochaeta	8	CG	2		
338	Berosus	9	CG	1	2	
1085	Enochrus	9	CG	1		
361	Hydroporus	9	P	14		
371	Physella	9	SC	42	19	
835	Tropisternus	10	P	3		
3782	Ephemeroptera					2
3579	Saldidae		P		1	
4375	Unidentified		CG,FC,P,SC,SH	2	2	2

Benthic Macroinvertebrates - Little Bear Creek				LBR @ Ashmun (3374)	LBR @ BER (1101)
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	52	1
1755	Callibaetis	4	CG		8
341	Camelobaetis	4	CG	5	
1360	Fallceon	4	CG,SC	130	63
377	Simulium	4	FC	6; 505	15
379	Stenonema /	4	CG,SC		1
333	Agabus	5	P	2	2
2410	Cincinnati	5	SC	2	
1856	Hydropsychidae	5	FC	2	
1757	Trichocorixa	5	CG,P		30
335	Argia	6	P	2	2
788	Cheumatopsych	6	FC	11	9
789	Chironomidae	6	FC,P	33	1
359	Hydracarina	6		15	2
522	Microvelia	6	P		2
2158	Neoporus	6	P		12
1087	Philopotamidae	6	FC	2	
372	Planorbidae	6	SC		1
381	Tanyptodinae	6	P	5	6
1743	Bezzia /	7	CG,P		1
340	Caenis	7	CG,SC		43
2391	Helisoma	7	SC		5
5155	Daphniidae	8	FC		1
357	Hirudinea	8	P		2
358	Hyalella	8	CG,SH		1
367	Oligochaeta	8	CG		1
338	Berosus	9	CG		1; 3
792	Coenagrionidae	9	P		2
361	Hydroporus	9	P	12	1
371	Physella	9	SC	152	90
1939	Entomobryidae	10	CG	1	
509	Laccophilus	10	P		3
835	Tropisternus	10	P		2
1833	Caecidotea		CG		2
4375	Unidentified		CG,FC,P,SC,SH	2	1

Benthic Macroinvertebrates - Harris Branch				HRS @ Boyce (1201)
PARAM_NO	PARAMETER	PTI	FFG	
802	Erpetogomphus	1	P	2
806	Helicopsyche	2	SC	12
356	Hexacylloepus	2	CG,SC	2
366	Microcyllloepus	2	CG,SC	4
821	Neelmis Caesa	2	CG,SC	1
1360	Fallceon	4	CG,SC	18
832	Smicridea	4	FC	7
800	Elmidae	5	CG,SC	1
335	Argia	6	P	15
339	Brechmorhoga	6	P	5
788	Cheumatopsych	6	FC	10
789	Chironomidae	6	FC,P	5
340	Caenis	7	CG,SC	2
378	Stenelmis	7	CG,SC	3
351	Dugesia Tigrina	7.5	CG,P	5
358	Hyalella	8	CG,SH	51
367	Oligochaeta	8	CG	1
2004	Cambaridae		CG	5

Benthic Macroinvertebrates - Marble Creek				MAR @ Thaxton (232) 05/01/2012	MAR @ Wm Cannon (231) 05/01/2012
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	2	
1360	Fallceon	4	CG,SC	2	251
1454	Heptageniidae	4	SC		1
377	Simulium	4	FC		9
379	Stenonema / Maccaffertium	4	CG,SC	3	
333	Agabus	5	P		1
2410	Cincinnati Cincinnatiensis	5	SC		1
1757	Trichocorixa	5	CG,P	1	
384	Tricorythodes	5	CG		2
2200	Sphaerium (Clam)	5	FC		1
335	Argia	6	P	1	4
788	Cheumatopsyche	6	FC		3
789	Chironomidae	6	FC,P	12	30
359	Hydracarina	6		1	1
522	Microvelia	6	P	2	10
381	Tanyptodinae	6	P	19	15
340	Caenis	7	CG,SC	111	3
1825	Culicoides	7	CG,P	12	
2391	Helisoma Anceps	7	SC	11	2
5881	Scirtidae	7	CG,SC,SH		4
1108	Daphnia	8	FC	5	1
367	Oligochaeta	8	CG	1	
1532	Peltodytes	8	P,PI,SH		3
338	Berosus	9	CG	2	
1085	Enochrus	9	CG		1
371	Physella	9	SC	4	15
835	Tropisternus	10	P	3	
5755	Coenagrion/Enallagma			1	
2970	Dugesia		CG,P		3
3783	Odonata (Damselfly/Dragonfly)			1	
5150	Pantala		P	1	
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	6	5

Benthic Macroinvertebrates - North Fork Dry Creek				NFD @ FM 812 (1217) 05/02/2012
PARAM_NO	PARAMETER	PTI	FFG	
382	Thraulodes Gonzalesi	2	CG,SC	1
1755	Callibaetis	4	CG	2
5264	Chaoborus	4		1
1360	Fallceon	4	CG,SC	1
1757	Trichocorixa	5	CG,P	26
789	Chironomidae	6	FC,P	6
359	Hydracarina	6		1
522	Microvelia	6	P	4
2158	Neoporus	6	P	2
340	Caenis	7	CG,SC	20
2391	Helisoma Anceps	7	SC	1
367	Oligochaeta	8	CG	2
371	Physella	9	SC	1

Benthic Macroinvertebrates - Onion Creek				ONI @	ONI nr	ONI @	ONI us	ONI @	ONI @
PARAM_NO	PARAMETER	PTI	FFG	Hudson	Driftwood	Twin Cks	Footbridge	Mckin	SAR
370	Perlesta	0	P	6	6	2			2
802	Erpetogomphus	1	P	1					
343	Chimarra	2	FC	82; 1	43; 2		1	37	
2176	Farrodes Texanus	2	CG,SC						3
363	Hydroptila	2	PI,SC				1		
1460	Leptophlebiidae	2	CG				2		
6449	Ceraclea	3	CG			2			
805	Gammarus	3	CG,SH			2	1		
364	Isonychia	3	FC						1
341	Camelobaetidiidae	4	CG					1	
1360	Fallceon	4	CG,SC	52	20	53	232	270	85
377	Simulium	4	FC		5	532	108	4	45
1462	Stenacron	4	CG,SC			1		1	
379	Stenonema / Maccaffertium	4	CG,SC	6			1		
6450	Aeshnidae	5	P					1	
1089	Oecetis	5	P,SH						1
384	Tricorythodes	5	CG				6		
2200	Sphaerium (Clam)	5	FC			5			
346	Corbicula Fluminea	6	FC			2			
335	Argia	6	P		1		1		
788	Cheumatopsyche	6	FC	6	1	48	12	133	23
789	Chironomidae	6	FC,P	1	2	21	20	12	3
359	Hydracarina	6		1		12	3		
522	Microvelia	6	P	1					
372	Planorbidae	6	SC				1		
381	Tanypodinae	6	P	3		5	11	9	2
340	Caenis	7	CG,SC	3		1		1	
2391	Helisoma Anceps	7	SC			1	1		
5881	Scirtidae	7	CG,SC,SH				1		
378	Stenelmis	7	CG,SC			6; 1			2
357	Hirudinea	8	P				3		
358	Hyalella	8	CG,SH				3		
367	Oligochaeta	8	CG	1		1	1		
792	Coenagrionidae	9	P	2				1	
1085	Enochrus	9	CG			1			
371	Physella	9	SC	4	2	13		1	
2970	Dugesia		CG,P		1		50	8	2
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH		1	2	6		3

Benthic Macroinvertebrates - Panther Hollow				PAN @
PARAM_NO	PARAMETER	PTI	FFG	Big View
1755	Callibaetis	4	CG	2
1360	Fallceon	4	CG,SC	10
369	Ostracoda	4	CG,FC	325
333	Agabus	5	P	1
1104	Aquarius	5	P	1
2410	Cincinnati Cincinnatiensis	5	SC	1
521	Gerris	5	P	1
789	Chironomidae	6	FC,P	21
381	Tanypodinae	6	P	1
4276	Ferrissia	7	SC	1
2391	Helisoma Anceps	7	SC	2
5881	Scirtidae	7	CG,SC,SH	1
5880	Cymbiodyta	8	P	1
358	Hyalella	8	CG,SH	1
5261	Coptotomus	9		1
371	Physella	9	SC	48
2970	Dugesia		CG,P	2

Benthic Macroinvertebrates - Rattan Creek				RAT us Parmer (1009) 05/02/2012
PARAM_NO	PARAMETER	PTI	FFG	
805	Gammarus	3	CG,SH	1
1755	Callibaetis	4	CG	49
369	Ostracoda	4	CG,FC	7
333	Agabus	5	P	1
1104	Aquarius	5	P	5
1851	Gerridae	5	P	1
871	Hydrophilidae	5	CG,P	1
1986	Rheumatobates	5	P	2
1947	Thermonectus	5	P	1
1757	Trichocorixa	5	CG,P	40
789	Chironomidae	6	FC,P	2
2127	Enallagma	6	P	2
359	Hydracarina	6		4
522	Microvelia	6	P	1
2158	Neoporus	6	P	1
340	Caenis	7	CG,SC	5
1108	Daphnia	8	FC	1
358	Hyalella	8	CG,SH	112
338	Berosus	9	CG	7; 1
792	Coenagrionidae	9	P	1
1085	Enochrus	9	CG	1
371	Physella	9	SC	612
509	Laccophilus	10	P	10
835	Tropisternus	10	P	2

Benthic Macroinvertebrates - Rinard Creek				RIN @ FM 1327 (1220) 05/01/2012	RIN @ Bradshaw (233) 05/01/2012	RIN ds SH 45 (5398) 05/01/2012
PARAM_NO	PARAMETER	PTI	FFG			
343	Chimarra	2	FC		83	
1755	Callibaetis	4	CG	1		
5264	Chaoborus	4				2
1360	Fallceon	4	CG,SC	1	125	
377	Simulium	4	FC		21	
379	Stenonema / Maccaffertium	4	CG,SC	4	1	2
2590	Erythemis	5	P	1		
1757	Trichocorixa	5	CG,P			7
335	Argia	6	P		2	
788	Cheumatopsyche	6	FC		40	
789	Chironomidae	6	FC,P	18	9	3
2127	Enallagma	6	P			1
359	Hydracarina	6		3	1	2
522	Microvelia	6	P		1	2
381	Tanypodinae	6	P	4	3	6
346	Corbicula Fluminea	6	FC		1	
1743	Bezzia / Palpomyia	7	CG,P	1		
340	Caenis	7	CG,SC	261		111
1825	Culicoides	7	CG,P	2	1	1
357	Hirudinea	8	P			1
358	Hyalella	8	CG,SH	18		15
497	Libellula	8	P			1
367	Oligochaeta	8	CG	1	4	
792	Coenagrionidae	9	P	1		
1174	Corixidae	9	CG,P	1		
2004	Cambaridae		CG	1		3
2970	Dugesia		CG,P		73	
4375	Unidentified Diptera Genus (Pupa)		,SC,SH		2	

Benthic Macroinvertebrates - Running Deer Creek				RDR @ Running Deer Trl (316) 05/04/2012
PARAM_NO	PARAMETER	PTI	FFG	
343	Chimarra	2	FC	1
363	Hydroptila	2	PI,SC	3
1755	Callibaetis	4	CG	15
1360	Fallceon	4	CG,SC	4
369	Ostracoda	4	CG,FC	21
377	Simulium	4	FC	1
333	Agabus	5	P	8
1104	Aquarius	5	P	1
2410	Cincinnatia Cincinnatiensis	5	SC	33
1757	Trichocorixa	5	CG,P	1
788	Cheumatopsyche	6	FC	5
789	Chironomidae	6	FC,P	102
359	Hydracarina	6		6
372	Planorbidae	6	SC	1
381	Tanypodinae	6	P	9
378	Stenelmis	7	CG,SC	1
5880	Cymbiodyta	8	P	1
1085	Enochrus	9	CG	8
371	Physella	9	SC	154
519	Trepobates	10	P	3

Benthic Macroinvertebrates - Shoal Creek				SHL @ Shl Edge Ct (117) 06/09/2011	SHL @ 24th (116) 06/08/2011	SHL us 1st (122) 06/13/2011
PARAM_NO	PARAMETER	PTI	FFG			
1755	Callibaetis	4	CG	21		
341	Camelobaetidius	4	CG		2	
1360	Fallceon	4	CG,SC		18	30
369	Ostracoda	4	CG,FC	2	8	3
335	Argia	6	P		5	1
339	Brechmorhoga Mendax	6	P		1	
788	Cheumatopsyche	6	FC		1	1
789	Chironomidae	6	FC,P	6	194	175
359	Hydracarina	6		5	13	1
522	Microvelia	6	P		5	
346	Corbicula Fluminea	6	FC	2		
381	Tanypodinae	6	P	2	11	3
1743	Bezzia / Palpomyia	7	CG,P		3	
340	Caenis	7	CG,SC	8	69	48
351	Dugesia Tigrina	7.5	CG,P		12	1
5155	Daphniidae	8	FC		1	6
357	Hirudinea	8	P	1		4
358	Hyalella	8	CG,SH	13	12	16
367	Oligochaeta	8	CG	1	2	3
1532	Peltodytes	8	P,PI,SH	1		
338	Berosus	9	CG		1	
1085	Enochrus	9	CG	1	2	
371	Physella	9	SC	35	20	2

Benthic Macroinvertebrates - Slaughter Creek				SLA @ FM 1826 (623) 04/24/2012	SLA @ Pine Vly (1082) 04/26/2012
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	1	2
363	Hydroptila	2	PI,SC		1
1755	Callibaetis	4	CG	1	
1360	Fallceon	4	CG,SC	29	11
812	Hydroptilidae	4	CG,PI,SC,SH		2
369	Ostracoda	4	CG,FC	17	
377	Simulium	4	FC	66	26
342	Ceratopogonidae	5	CG,P		1
2410	Cincinnatia Cincinnatiensis	5	SC	1	
870	Dytiscidae	5	P	1	
2200	Sphaerium (Clam)	5	FC		4
346	Corbicula Fluminea	6	FC		1
788	Cheumatopsyche	6	FC		19
789	Chironomidae	6	FC,P	1	63
801	Ephyrididae	6	P		2
359	Hydracarina	6		10	4
522	Microvelia	6	P		1
381	Tanypodinae	6	P		17
1743	Bezzia / Palpomyia	7	CG,P		14
340	Caenis	7	CG,SC		13
1825	Culicoides	7	CG,P	1	
2391	Helisoma Anceps	7	SC	1	
5881	Scirtidae	7	CG,SC,SH		1
378	Stenelmis	7	CG,SC		19; 2
357	Hirudinea	8	P		2
358	Hyaella	8	CG,SH		16
367	Oligochaeta	8	CG		6
371	Physella	9	SC	18	147
519	Trepobates	10	P		1
2970	Dugesia		CG,P		45
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH		3

Benthic Macroinvertebrates - South Boggy Creek				SBG @ W Dittmar (1081) 04/24/2012	SBG @ Bluff Spgs (227) 05/01/2012
PARAM_NO	PARAMETER	PTI	FFG		
1755	Callibaetis	4	CG	1	49
794	Copepoda	4	SC	2	1
1360	Fallceon	4	CG,SC	2	10
369	Ostracoda	4	CG,FC	1	
377	Simulium	4	FC	10	
379	Stenonema / Maccaffertium	4	CG,SC		2
333	Agabus	5	P		1
2590	Erythemis	5	P		1
1851	Gerridae	5	P		1
871	Hydrophilidae	5	CG,P		1
1757	Trichocorixa	5	CG,P		56
788	Cheumatopsyche	6	FC	10	
789	Chironomidae	6	FC,P	75	88
359	Hydracarina	6			41
522	Microvelia	6	P		6
381	Tanypodinae	6	P	10	41
1743	Bezzia / Palpomyia	7	CG,P		1
340	Caenis	7	CG,SC		348
1825	Culicoides	7	CG,P	1	
781	Anopheles	8	FC	1	3
1108	Daphnia	8	FC	1	5
357	Hirudinea	8	P		1
367	Oligochaeta	8	CG		1
1174	Corixidae	9	CG,P	1	
873	Libellulidae	9	P		6
371	Physella	9	SC	15	268
1832	Isotomidae	10	CG	1	
835	Tropisternus	10	P	1	
1833	Caecidotea		CG		1
2970	Dugesia		CG,P	3	
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	9	3

Benthic Macroinvertebrates - South Fork Dry Creek				SFD @ US183 (1215) 05/02/2012	SFD @ FM 812 (1216) 05/02/2012
PARAM_NO	PARAMETER	PTI	FFG		
1755	Callibaetis	4	CG		16
1360	Fallceon	4	CG,SC	1	
1454	Heptageniidae	4	SC		1
379	Stenonema / Maccaffertium	4	CG,SC		2
1758	Curicta	5	P		1
871	Hydrophilidae	5	CG,P		1
1757	Trichocorixa	5	CG,P	12	31
335	Argia	6	P	1	1
789	Chironomidae	6	FC,P	5	15
799	Diptera (Midge/Fly)	6	CG,FC,P,SC,SH		1
359	Hydracarina	6		8	
522	Microvelia	6	P	3	
381	Tanypodinae	6	P	7	8
340	Caenis	7	CG,SC	57	115
1825	Culicoides	7	CG,P	3	1
2391	Helisoma Anceps	7	SC		3
5881	Scirtidae	7	CG,SC,SH		6
5880	Cymbiodyta	8	P		1
358	Hyaella	8	CG,SH	23	53
792	Coenagrionidae	9	P		1
371	Physella	9	SC	2	11
1832	Isotomidae	10	CG	1	
2004	Cambaridae		CG	2	1

Benthic Macroinvertebrates - Tannehill Branch				TAN @ Berkman (3858) 06/09/2011	TAN @ Lovell (843) 06/09/2011	TAN @ Desirable (1476) 06/16/2011
PARAM_NO	PARAMETER	PTI	FFG			
363	Hydrotilla	2	PI,SC		2	
1755	Callibaetis	4	CG	42		2
369	Ostracoda	4	CG,FC	7	1	
335	Argia	6	P	4	39	
789	Chironomidae	6	FC,P	34	22	171
2127	Enallagma	6	P			3
359	Hydracarina	6		4	1	11
522	Microvelia	6	P	1		2
381	Tanytopodinae	6	P	11	5	2
1743	Bezzia / Palpomyia	7	CG,P	3	1	1
340	Caenis	7	CG,SC	73	2	3
4276	Ferrissia	7	SC		2	
5881	Scirtidae	7	CG,SC,SH	1		3
378	Stenelmis	7	CG,SC		5	
351	Dugesia Tigrina	7.5	CG,P		14	
807	Helophorus	7.9	SH	1		
358	Hyalella	8	CG,SH	2		11
367	Oligochaeta	8	CG	1		1
504	Tipula	8	CG,SH		1	
338	Berosus	9	CG	2		
1085	Enochrus	9	CG		9	
5279	Orthemis Ferruginea	9		2		
371	Physella	9	SC	2		
2004	Cambaridae		CG	2		

Benthic Macroinvertebrates - Taylor Slough North				TYN @ Mayfield Pk (3969) 04/24/2012
PARAM_NO	PARAMETER	PTI	FFG	
343	Chimarra	2	FC	1
1360	Fallceon	4	CG,SC	2
377	Simulium	4	FC	2
870	Dytiscidae	5	P	1
871	Hydrophilidae	5	CG,P	2; 4
1856	Hydropsychidae	5	FC	3
788	Cheumatopsyche	6	FC	5
789	Chironomidae	6	FC,P	150
359	Hydracarina	6		9
376	Rhagovelia	6	P	11
381	Tanytopodinae	6	P	20
5881	Scirtidae	7	CG,SC,SH	1
378	Stenelmis	7	CG,SC	17
5880	Cymbiodyta	8	P	4
358	Hyalella	8	CG,SH	13
371	Physella	9	SC	39
1832	Isotomidae	10	CG	1
1830	Sminthuridae	10	CG	1
2970	Dugesia		CG,P	6
4375	Unidentified Diptera Genus (Pupa)		C,SH	2

Benthic Macroinvertebrates - Taylor Slough South				TYS @ Reed Pk (318) 04/24/2012
PARAM_NO	PARAMETER	PTI	FFG	
363	Hydroptila	2	PI,SC	1
1755	Callibaetis	4	CG	1
1360	Fallceon	4	CG,SC	66
377	Simulium	4	FC	20; 2
383	Tipulidae	4	CG,P,SH	2
333	Agabus	5	P	2
870	Dytiscidae	5	P	1; 1
871	Hydrophilidae	5	CG,P	1
1856	Hydropsychidae	5	FC	1
335	Argia	6	P	10
788	Cheumatopsyche	6	FC	1
789	Chironomidae	6	FC,P	129
359	Hydracarina	6		1
1107	Sepedon/Sepedomerus	6	P	1
381	Tanypodinae	6	P	17
5879	Caloparyphus/Euparyphus	8	CG,SC	2
367	Oligochaeta	8	CG	1
504	Tipula	8	CG,SH	2
792	Coenagrionidae	9	P	1
371	Physella	9	SC	109
1527	Pericoma/Telmatoscopus	10	CG	2
2970	Dugesia		CG,P	2
4375	Unidentified Diptera Genus (Pupa)		CG,FC,P,SC,SH	1

Benthic Macroinvertebrates - Turkey Creek				TRK @ City Pk (1221) 04/25/2012
PARAM_NO	PARAMETER	PTI	FFG	
1360	Fallceon	4	CG,SC	17
369	Ostracoda	4	CG,FC	4
2410	Cincinnatia Cincinnatiensis	5	SC	1
788	Cheumatopsyche	6	FC	1
789	Chironomidae	6	FC,P	41
359	Hydracarina	6		24
381	Tanypodinae	6	P	16
378	Stenelmis	7	CG,SC	2
371	Physella	9	SC	125

Benthic Macroinvertebrates - Waller Creek				WLR @ 51st (780)	WLR @ 23rd (624)	Chavez (38)
PARAM_NO	PARAMETER	PTI	FFG	06/09/2011	06/13/2011	06/13/2011
1755	Callibaetis	4	CG	1		
1360	Fallceon	4	CG,SC		23	9
1083	Helochaers	5	CG	2		
335	Argia	6	P		3	2
788	Cheumatopsyche	6	FC		34	40
789	Chironomidae	6	FC,P	6	7	108
346	Corbicula Fluminea	6	FC			1
381	Tanypodinae	6	P		1	5
340	Caenis	7	CG,SC	4		1
351	Dugesia Tigrina	7.5	CG,P		23	13
5879	Caloparyphus/Euparyphus	8	CG,SC	1		
358	Hyaella	8	CG,SH	24	26	18
367	Oligochaeta	8	CG			1
1532	Peltodytes	8	P,PI,SH	2		

Benthic Macroinvertebrates - Walnut Creek				WLN ds Metric (895) 06/09/2011	WLN ds IH35 (464) 06/09/2011	WLN @ Old Manor (502) 06/10/2011	WLN ds MLK (5302) 06/14/2011
PARAM_NO	PARAMETER	PTI	FFG				
802	Erpetogomphus	1	P	1			
1943	Basiaeschna	2	P		1		
343	Chimarra	2	FC	1			
806	Helicopsyche	2	SC	2	12	1	
821	Neelmis Caesa	2	CG,SC			1	4
1755	Callibaetis	4	CG	1		1	13
1360	Fallceon	4	CG,SC	3			
920	Macrelmis	4	CG,SC	1		5	
1523	Neochoroterpes	4	CG				1
369	Ostracoda	4	CG,FC	37			3
508	Psephenus	4	SC	4	3	4	1
1462	Stenacron	4	CG,SC		1		
379	Stenonema / Maccaffertium	4	CG,SC				1
2410	Cincinnatia Cincinnatiensis	5	SC		8		
871	Hydrophilidae	5	CG,P				4
1089	Oecetis	5	P,SH	1			
384	Tricorythodes	5	CG		4		24
335	Argia	6	P	18			8
788	Cheumatopsyche	6	FC	13	1		
789	Chironomidae	6	FC,P	50	24	11	112
359	Hydracarina	6					34
522	Microvelia	6	P			2	1
376	Rhagovelia	6	P	1		5	
346	Corbicula Fluminea	6	FC	2	2		
5287	Pisidium	7	FC	3			
381	Tanypodinae	6	P	11			7
1743	Bezzia / Palpomyia	7	CG,P				2
340	Caenis	7	CG,SC	13	4		116
953	Caloparyphus	7	CG				1
4276	Ferrissia	7	SC	2			
2391	Helisoma Anceps	7	SC		3		
831	Scirtes	7	SC	6			
378	Stenelmis	7	CG,SC	7			4
5879	Caloparyphus/Euparyphus	8	CG,SC	1			
348	Culicidae	8	FC				2
357	Hirudinea	8	P	9		2	1
358	Hyaella	8	CG,SH	133	1	1	11
367	Oligochaeta	8	CG	4	1		2
1532	Peltodytes	8	P,PI,SH			1	4
338	Berosus	9	CG		1	1	28
1174	Corixidae	9	CG,P				6
1085	Enochrus	9	CG			1	
361	Hydroporus	9	P		30		1
371	Physella	9	SC	12	15	1	5
1753	Procambarus	9	CG		1		
835	Tropisternus	10	P	1	1	2	
5143	Cincinnatia		SC	3			
2970	Dugesia		CG,P	58		35	1
5846	Epitheca		P				1

Benthic Macroinvertebrates - West Bouldin Creek				WBO @ Oltorf (3854) 06/08/2011
PARAM_NO	PARAMETER	PTI	FFG	
1360	Fallceon	4	CG,SC	6
369	Ostracoda	4	CG,FC	1
335	Argia	6	P	71
788	Cheumatopsyche	6	FC	44
789	Chironomidae	6	FC,P	23
522	Microvelia	6	P	6
381	Tanypodinae	6	P	22
351	Dugesia Tigrina	7.5	CG,P	103
5879	Caloparyphus/Euparyphus	8	CG,SC	4
357	Hirudinea	8	P	1
367	Oligochaeta	8	CG	4
371	Physella	9	SC	2

Benthic Macroinvertebrates - West Bull Creek				WBL @ Bell Mt (148) 05/04/2012	WBL us BUL (343) 04/26/2012
PARAM_NO	PARAMETER	PTI	FFG		
343	Chimarra	2	FC	2	
806	Helicopsyche	2	SC		2
805	Gammarus	3	CG,SH		1
1360	Fallceon	4	CG,SC	1	72
812	Hydroptilidae	4	SH		1
1760	Metrichia	4			1
369	Ostracoda	4	CG,FC		1
377	Simulium	4	FC	5	39; 1
379	Stenonema / Maccaffertium	4	CG,SC		8
333	Agabus	5	P	2	
779	Anax	5	P		1
2410	Cincinnatia Cincinnatiensis	5	SC	5	
870	Dytiscidae	5	P	1	
800	Elmidae	5	CG,SC		1
788	Cheumatopsyche	6	FC		2
789	Chironomidae	6	FC,P	12	25
808	Hemerodromia	6	CG,P		1; 3
359	Hydracarina	6		8	1
522	Microvelia	6	P	1	
381	Tanypodinae	6	P	1	8
378	Stenelmis	7	CG,SC		3
781	Anopheles	8	FC	1	
5880	Cymbiodyta	8	P	1	
358	Hyalella	8	CG,SH	7	
367	Oligochaeta	8	CG	1	
1085	Enochrus	9	CG	1	
361	Hydroporus	9	P	4	
371	Physella	9	SC	36	
519	Trepobates	10	P	2	
1833	Caecidotea		CG	3	
2970	Dugesia		CG,P	2	
4375	Unidentified Diptera Genus (Pupa)		SC,SH		2

Benthic Macroinvertebrates - Williamson Creek				WMS @ McKinney Falls (223) 06/14/2011
PARAM_NO	PARAMETER	PTI	FFG	
802	Erpetogomphus	1	P	1
806	Helicopsyche	2	SC	22
1360	Fallceon	4	CG,SC	4
508	Psephenus	4	SC	27
1089	Oecetis	5	P,SH	3
518	Petrophila (Moth)	5	SC	4
335	Argia	6	P	3
339	Brechmorhoga Mendax	6	P	1
788	Cheumatopsyche	6	FC	1
789	Chironomidae	6	FC,P	15
507	Hetaerina	6	P	1
522	Microvelia	6	P	1
376	Rhagovelia	6	P	3
381	Tanypodinae	6	P	12
1746	Gyrulus	7	SC	1
378	Stenelmis	7	CG,SC	3
351	Dugesia Tigrina	7.5	CG,P	29
1085	Enochrus	9	CG	1
371	Physella	9	SC	1

Appendix B: **Diatom Data* by Site**** **2011-2012 EII**

Diatom Metric Summary for 2011 Sample Sites	B-2
Diatom Metric Summary for 2012 Sample Sites	B-3
Barton	B-4
Bear	B-5
Bear West	B-5
Bee	B-6
Blunn	B-7
Boggy	B-8
Bull	B-9
Buttermilk	B-10
Carson	B-10
Commons Ford	B-11
Cottonmouth	B-11
Country Club West	B-12
Cuernavaca	B-12
Decker	B-12
Dry East	B-13
Dry North	B-14
Eanes	B-15
East Bouldon	B-16
Fort Branch	B-16
Gilleland	B-17
Harris Branch	B-17
Lake	B-18
Little Barton	B-19
Little Bear	B-20
Little Walnut	B-21
Marble	B-22
North Fork Dry	B-23
Onion	B-24
Panther Hollow	B-25
Rattan	B-26
Rinard	B-27
Running Deer	B-28
Shoal	B-28
Slaughter	B-29
South Boggy	B-30
South Fork Dry	B-31
Tannehill	B-32
Taylor Slough North	B-33
Taylor Slough South	B-33
Turkey	B-34
Waller	B-34
Walnut	B-35
West Bouldin	B-36
West Bull	B-36
Williamson	B-37

* Color coding has been added to facilitate visual review in the following manner:



Tolerance Values >3
(intolerant)



Tolerance Values 2-3



Tolerance Values <2
(tolerant)

** some watersheds are not represented due to lack of flow

Diatom Metric Summary for 2011 Sample Sites

Diatoms -2011	BAR @ Stark (44) 06/16/2011	BAR @ Shield (46) 06/13/2011	BAR @ Hwy71 ds LBA (48) 06/15/2011	BAR @ Ogletree (49) 06/13/2011	BAR @ Lost Ck (51) 06/10/2011	BAR @ Lost Ck (52) (879) 06/15/2011	BLU @ Long Bow (362) 06/08/2011	BLU @ Riverside Dr (180) 06/09/2011	BOG @ Manor Rd (2754) 06/14/2011	BOG @ Nile Rd (837) 06/10/2011	BMK @ LWA (851) 06/10/2011	CCW @ E Oltoarf (850) 06/08/2011	DKR @ Gilbert (1974) 06/16/2011	EBO @ Elizabeth (119) 06/10/2011	FOR us Manor (125) 06/09/2011	FOR @ Single Shot (898) 06/09/2011	GIL @ S Railroad (1193) 06/15/2011	GIL @ Cameron (1914) 06/15/2011	GIL @ West Parsons (1191) 06/16/2011	GIL @ FM973 (1192) 06/14/2011	GIL @ FM969 (886) 06/14/2011	
Parameter	Barton						Blunn		Buttermilk		BMK	CCW	DKR	EBO	Ft Branch	Gilleland						
3020	Cymbella richness	0	4	6	2	5	4	1	2	1	2	2	2	1	3	diatoms not evaluated	1	4	1	1	2	2
5770	# of diatom cells	10	500	500	500	500	500	500	500	500	500	500	51	500	47		500	500	500	500	274	
1873	# of organisms	10	500	500	500	500	500	500	500	500	500	500	51	500	47		500	500	500	500	274	
2885	# spp in sample	3	26	33	15	28	32	18	20	15	27	11	16	3	29		12	25	14	14	9	10
1877	# of taxon	3	26	33	15	28	32	18	20	15	27	11	16	3	29		12	25	14	14	9	10
3021	% Motile Taxa	0	5	5.6	1.6	23.8	31.2	0.4	60.8	3	65.2	5	0.4	0	5.4		2.13	2.4	1.2	0.6	0	0.37
3059	% similarity to ref condition	17.7	48.1	67.3	33.6	51.1	30.5	15.7	17.5	13.9	22.4	13.6	16.6	0.46	28.9		31.1	25.2	12.2	15.4	10	25.4
3019	Poll. Tol. Index	2.8	2.55	2.67	2.88	2.44	2.82	2.92	2.06	2.95	2.21	3	3.17	3.18	2.9		2.74	2.95	2.98	2.98	3	2.75

Diatoms -2011 (continued)			HRS @ Boyce (1201) 06/15/2011																			
			LWA @ Golden Meadow (838)																			
			LWA @ Georgian (3860) 06/10/2011																			
			LWA @ Cameron (3857) 06/10/2011																			
			SHL @ Shl Edge Ct (117) 06/09/2011																			
			SHL @ 24th (116) 06/08/2011																			
			SHL us 1st (122) 06/13/2011																			
			TAN @ Berkman (3858) 06/09/2011																			
			TAN @ Lovell (843) 06/09/2011																			
			TAN @ Desirable (1476) 06/16/2011																			
			WLR @ 51st (780) 06/09/2011																			
			WLR @ 23rd (624) 06/13/2011																			
			WLR ds Cesar Chavez (38) 06/13/2011																			
			WLN ds Metric (895) 06/09/2011																			
			WLN ds IH35 (464) 06/09/2011																			
			WLN @ Old Manor (502) 06/10/2011																			
			WLN ds MLK (5302) 06/14/2011																			
			WBO @ Oltorf (3854) 06/08/2011																			
			WMS @ McKinney Falls (223) 06/2/2011																			
Parameter		(continued)	HRS	Little Walnut				Shoal			Tannehill			Waller			Walnut				WBO	WMS
3020	Cymbella richness		1	1	5	4	2	2	3	0	3	4	0	2	1	1	3	5	2	1	4	
5770	# of diatom cells		500	500	500	500	500	500	500	71	500	500	48	117	500	500	500	500	21	500	500	
1873	# of organisms		500	500	500	500	500	500	500	71	500	500	48	117	500	500	500	500	21	500	500	
2885	# spp in sample		15	29	29	24	22	15	27	12	20	41	11	12	18	14	17	30	7	16	30	
1877	# of taxon		15	29	29	24	22	15	27	12	20	41	11	12	18	14	17	30	7	16	30	
3021	% Motile Taxa		0.6	13.4	37.6	56.8	33	38	65.6	0	6	44.4	0	0.85	2.2	2	2.6	17	4.76	0.4	48	
3059	% Similarity to ref		2.11	23.8	45.2	33.8	24.8	27.1	18.1	16.9	38.4	26.3	30.2	15.5	11.2	28.9	32.6	44.9	28.2	9.05	34	
3019	Poll. Tol. Index		2.53	2.91	2.43	2.89	2.67	2.72	2.3	2.84	2.77	2.63	2.49	2.87	2.91	3.13	3.04	2.69	2.89	2.99	2.5	

Diatom Metric Summary for 2012 Sample Sites

Diatoms - 2012		BER @ Bear Creek Pass (4112) 04/24/2012		BER @ Twin Creeks (1087) 04/26/2012		BRW @ Fritz Hughes (1224) 05/04/2012		BEE @ 360 (1104) 05/01/2012		BEE @ Roadrunner (322) 05/01/2012		BEE @ LKA (319) 05/03/2012		Trib 6 @ BUL (151) 05/02/2012		BUL Trib 5 ds Hanks (1164) 05/02/2012		BUL us Trib 7 (349) 05/02/2012		BUL @ St Edwards us Dam (920) 04/27/2012		BUL @ LOOP 360 (350) 04/24/2012		CAR @ Hoecke (1096) 04/27/2012		CAR @ Shady Spgs (1094) 04/27/2012		CMF in CF Metro Pk (1048) 05/04/2012		CTM @ D G Collins (1206) 05/02/2012		CRN @ River Hills (1222) 04/25/2012		SFD @ Pearce (1211) 04/27/2012		SFD @ Wolf (1210) 04/27/2012		DRN @ FM 2222 (1109) 04/25/2012		DRN @ Mr Bonnel Rd (1108) 04/24/2012		EAN @ Camp Craft (1106) 05/01/2012		LKC ds Meadowheath (1100) 04/27/2012		LKC @ Shadowbrook (3978) 04/26/2012		LKC @ Sugar Berry (1098) 04/26/2012		LBA @ Hamilton Pool (1115) 05/03/2012		LBA @ Great Divide (1114) 05/03/2012		LBA @ BAR (77) 05/03/2012		LBR @ Ashmun (3374) 04/26/2012		LBR @ BER (1101) 05/03/2012	
Parameter		Bear		BRW	Bee			Bull					Carson		CMF	CTM	CRN	Dry		Dry North		EAN	Lake			Little Barton			Little Bear																														
3020	Cymbella richness	6	2	2	6	4	4	2	3	4	5	8	0	3	6	2	4	3	4	1	2	3	0	1	2	5	3	2	2																														
5770	# of diatom cells	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500																													
1873	# of organisms	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500																													
1877	# of taxon	24	16	12	32	26	16	29	19	22	20	26	22	34	26	16	20	18	29	23	18	23	21	22	23	27	24	45	18	22																													
3021	% Motile Taxa	30.2	12.4	17	15.8	42.2	23.8	14.8	5	23.6	27.4	37.8	8	7.8	15.4	95.4	0.6	85.8	20.8	5.6	5.2	19.2	64.2	50.6	29.4	18.6	3.8	13	74	48.4																													
3059	% similarity to ref condition	63.7	31.3	54.3	41.7	53.6	56.9	59.1	41.1	49.6	55.9	60.9	32.3	26.3	57.8	5.25	38.5	5.23	15.4	19.1	37	41.1	17.9	19.5	18	49.5	47	59.3	24.9	23.43																													
3019	Poll. Tol. Index	2.67	2.25	2.7	2.78	2.44	2.7	2.83	2.91	2.75	2.72	2.59	2.91	2.88	3.12	2.02	2.71	1.61	2.57	2.9	3	2.72	2.26	2.45	2.72	2.83	2.9	2.82	2.26	1.964																													

Diatoms - 2012 (continued)		MAR @ Thaxton (232) 05/01/2012 (WRE)		MAR @ Wm Cannon (231) 05/01/2012		NFD @ FM 812 (1217) 05/02/2012		ONI @ Hudson (4595) 04/24/2012		ONI nr Driftwood (612) 04/24/2012		ONI @ Twin Cks (236) 04/26/2012		ONI us Footbridge (241) 05/03/2012		ONI @ McKinney Lower Falls (255) 05/02/2012		ONI @ SAR (1366) 04/27/2012		PAN @ Big View (1223) 05/04/2012		RAT us Parmer (1009) 05/02/201		RIN @ FM 1327 (1220) 05/01/2012		RIN @ Bradshaw (233) 05/01/2012		RIN ds SH 45 (5398) 05/01/2012		RDR @ Running Deer Trl (316) 05/04/2012		SLA @ FM 1826 (623) 04/24/2012		SLA @ Pine Vly (1082) 04/26/2012		SBG @ W Dittmar (1081) 04/24/2012		SBG @ Bluff Spgs (227) 05/01/2012		SFD @ US183 (1215) 05/02/2012		SFD @ FM 812 (1216) 05/02/2012		TYN @ Mayfield Pk (3969) 04/24/2012		TYS @ Reed Pk (318) 04/24/2012		TRK @ City Pk (1221) 04/25/2012		WLR @ 51st (780) 06/09/2011		WLR @ 23rd (624) 06/13/2011		WLR ds Cesar Chavez (38) 06/13/2011		WBL @ Bell Mt (148) 05/04/2012		WBL us BUL (343) 04/26/2012	
Parameter		Marble		NFD		Onion						PAN		RAT		Rinard			RDR		Slaughter		S Boggy		S Fork		TYN		TYS		TRK		Waller		West Bull																								
3020	Cymbella richness	4	2	3	4	4	5	3	3	5	3	4	3	6	2	0	4	2	2	1	3	2	2	1	2	0	2	1	2	0	2	1	1	2																									
5770	# of diatom cells	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	48	117	500	500	500	500																											
1873	# of organisms	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	48	117	500	500	500	500																											
1877	# of taxon	26	38	29	19	23	26	28	15	15	18	34	28	19	11	12	31	24	14	19	34	29	22	23	21	11	12	18	15	14	14	14																											
3021	% Motile Taxa	45	40	15.2	14	7.6	17.6	10.2	31.4	3.2	15.4	44.2	3.6	58.2	0.2	71.6	13.6	20.4	81	50.8	16	60.8	20	19.4	18.6	0	0.9	2.2	56.4	28.4	28.4	28.4																											
3059	% similarity to ref condition	31.1	26.1	5.89	47.5	44.2	45.6	44.5	47.4	20.1	53.3	56.1	15.2	27.8	4.98	45.5	44.6	21.5	5.47	24.6	16	12.8	34.8	22.9	50.5	30.2	15	11.2	42.9	52.25	52.25	52.25																											
3019	Poll. Tol. Index	2.53	2.29	2.86	2.87	3.08	2.76	2.88	2.48	2.54	2.78	2.41	2.95	2.74	2.97	2.2	2.81	2.79	2.04	2.28	2.8	2.38	2.81	2.52	2.69	2.49	2.9	2.91	2.33	2.711	2.711	2.711	2.711																										

Diatoms - Barton Creek								
PARAM_N O	PARAMETER	PTI	BAR @ Stark (44) 06/16/2011	BAR @ Shield (46) 06/13/2011	BAR @ Hwy71 ds LBA (48) 06/15/2011	BAR @ Ogletree (49) 06/13/2011	BAR @ Lost Ck (51) 06/10/2011	BAR btwn dams us BSP (879) 06/15/2011
2150	Fragilaria Tenera Total	4		16				
720	Neidium Ampliatum Total	4						5
643	Pseudostaurosira Brevistriata Total	4			1		2	20
566	Achnanthes Exigua Total	3					1	2
2040	Achnanthidium Minutissimum Total	3		4	22	49	42	25
1412	Amphora Libyca Total	3			2	1	6	10
581	Amphora Pediculus Total	3			10	1	43	34
592	Caloneis Silicula Total	3		3			1	
593	Cocconeis Pediculus Total	3			1		4	
594	Cocconeis Placentula Total	3					8	2
599	Cymbella Affinis Total	3			52	10	24	4
606	Cymbella Hustedtii Total	3		2	15		2	11
608	Cymbella Laevis Total	3		61	59	199		
603	Cymbella Neocistula Total	3		33	1			
618	Denticula Kuetzingii Total	3			4			
611	Encyonema Silesiacum Total	3		3	1		1	3
635	Epithemia Argus Total	3		14				
1250	Eunotia Pectinalis Total	3	3	3		4		4
644	Fragilaria Capucina Total	3			6			
655	Gomphonema Acuminatum Total	3		2				
656	Gomphonema Affine Total	3		4	18	5	21	8
657	Gomphonema Angustum Total	3		2	4	120		
660	Gomphonema Clavatum Total	3		2	5	2	11	5
663	Gomphonema Gracile Total	3						19
665	Gomphonema Intricatum V Vibrio Total	3		39	11	6	1	
670	Gomphonema Truncatum Total	3					2	
677	Mastogloia Smithii Total	3		24	25	9		
687	Navicula Capitata V Hungarica Total	3					1	
700	Navicula Oblonga Total	3		2	1			2
707	Navicula Radiosa Total	3		3	2			
4335	Nitzschia Sinuata V Delognei Total	3		8	6			46
745	Pinnularia Viridis Total	3	5					4
746	Reimeria Sinuata Total	3			6		6	1
747	Rhoicosphenia Curvata Total	3					1	2
748	Rhopalodia Gibba Total	3		35	4			
649	Staurosira Construens Total	3					2	86
650	Staurosira Construens V Venter Total	3			21		3	64
689	Craticula Cuspidata Total	2						1
595	Cyclotella Meneghiniana Total	2						2
686	Diadesmis Confervacea Total	2			1			
974	Mastogloia Elliptica Total	2		139	30	41		
726	Nitzschia Amphibia Total	2		1	1		76	27
988	Nitzschia Amphibioides Total	2		11	17	8	42	77
758	Synedra Ulna Total	2	2	82	91	5	151	8
729	Tryblionella Apiculata Total	2						3
667	Gomphonema Parvulum Total	1		2			4	2
5329	Achnanthidium Biasolettianum Total			3	61		21	9
5301	Amphora Ovalis V Ovalis Total				7		9	1
6305	Anomoeoneis Costata Total							3
6309	Craticula Perrotettii Total				1			
4507	Cymbella Husdtedtii V Stigmata Total						1	
6310	Delicata Delicatula Total			2	12	40		

Diatoms - Bear Creek			BER @ Bear Creek Pass (4112) 04/24/2012	BER @ Twin Creeks (1087) 04/26/2012
PARAM_NO	PARAMETER	PTI		
1251	Synedra Nana Total	4	12	
2040	Achnantheidium Minutissimum Total	3	102	74
577	Amphora Montana Total	3	2	2
581	Amphora Pediculus Total	3	2	
584	Brachysira Vitrea Total	3	16	
593	Cocconeis Pediculus Total	3	16	
594	Cocconeis Placentula Total	3		35
603	Cymbella Neocistula Total	3	4	
618	Denticula Kuetzingii Total	3	2	
2047	Encyonema Evergladianum Total	3	62	
1446	Encyonema Gaeumannii Total	3		2
611	Encyonema Silesiacum Total	3	1	
609	Encyonopsis Microcephala Total	3	31	
1250	Eunotia Pectinalis Total	3	2	
644	Fragilaria Capucina Total	3	22	
660	Gomphonema Clavatum Total	3	10	2
1382	Navicula Cryptotenella Total	3		4
707	Navicula Radiosa Total	3	3	
712	Navicula Stroemii Total	3	8	
760	Synedra Dilatata Total	3	5	
582	Amphora Veneta Total	2		10
610	Encyonema Minutum Total	2	10	4
658	Gomphonema Angustatum Total	2	6	286
718	Navicula Veneta Total	2		4
726	Nitzschia Amphibia Total	2		2
988	Nitzschia Amphibioides Total	2	140	12
991	Nitzschia Inconspicua Total	2		40
758	Synedra Ulna Total	2	16	7
5329	Achnantheidium Biasolettianum Total		23	
6458	Amphora Spp. Total			14
6310	Delicata Delicatula Total		3	
6304	Eolimna Minima Total			2

Diatoms - Bear Creek West			BRW @ Fritz Hughes (1224) 05/04/2012
PARAM_NO	PARAMETER	PTI	
2047	Encyonema Evergladianum Total	3	32
1446	Encyonema Gaeumannii Total	3	10
656	Gomphonema Affine Total	3	2
657	Gomphonema Angustum Total	3	8
660	Gomphonema Clavatum Total	3	2
712	Navicula Stroemii Total	3	2
658	Gomphonema Angustatum Total	2	20
726	Nitzschia Amphibia Total	2	3
988	Nitzschia Amphibioides Total	2	80
758	Synedra Ulna Total	2	36
5329	Achnantheidium Biasolettianum Total		32

Diatoms - Bee Creek			BEE @ 360 (1104) 05/01/2012	BEE @ Roadrunner (322) 05/01/2012	BEE @ LKA (319) 05/03/2012
PARAM_NO	PARAMETER	PTI			
4864	Brachysira Neoexilis (Serians) Total	4			2
625	Diploneis Oblongella Total	4		2	
567	Eucocconeis Flexella Total	4		6	
642	Fragilaria Acus Total	4		4	
1251	Synedra Nana Total	4		4	
2040	Achnantheidium Minutissimum Total	3	162	62	160
1412	Amphora Libyca Total	3	5		
584	Brachysira Vitrea Total	3			33
587	Caloneis Bacillum Total	3	2		2
592	Caloneis Silicula Total	3	2		
593	Cocconeis Pediculus Total	3		8	
594	Cocconeis Placentula Total	3	1	8	
606	Cymbella Hustedtii Total	3	4		
608	Cymbella Laevis Total	3	1		
618	Denticula Kuetzingii Total	3	10		
628	Diploneis Puella Total	3	6		
2047	Encyonema Evergladianum Total	3	44	41	91
611	Encyonema Silesiacum Total	3	4	28	4
609	Encyonopsis Microcephala Total	3	4		4
636	Epithemia Turgida Total	3	2		
1429	Eunotia Bilunaris Total	3	3		
1250	Eunotia Pectinalis Total	3	68	4	
644	Fragilaria Capucina Total	3		10	4
657	Gomphonema Angustum Total	3		6	15
663	Gomphonema Gracile Total	3		2	
681	Meridion Circulare Total	3	16		
1382	Navicula Cryptotenella Total	3		2	2
717	Navicula Kotschyi Total	3	6		
707	Navicula Radiosa Total	3	2	2	
712	Navicula Stroemii Total	3	3	6	6
960	Campylodiscus Hibernicus Total	2	4		
595	Cyclotella Meneghiniana Total	2		4	
610	Encyonema Minutum Total	2	2	62	6
658	Gomphonema Angustatum Total	2	1		
974	Mastogloia Elliptica Total	2		2	
726	Nitzschia Amphibia Total	2	37		
988	Nitzschia Amphibioides Total	2	17	199	111
1256	Nitzschia Serpentina Total	2	11	2	
692	Sellaphora Laevissima Total	2	1		
758	Synedra Ulna Total	2	28	20	27
729	Tryblionella Apiculata Total	2	2		
5329	Achnantheidium Biasolettianum Total		42	3	20
5134	Cymbella Excisa Total			2	
6310	Delicata Delicatula Total			10	13
6456	Denticula Oblongella Total		5		
6455	Denticula Tenuis Total			1	
6304	Eolimna Minima Total		1		

Diatoms - Blunn Creek			BLU @ Long Bow (362) 06/08/2011	BLU @ Riverside Dr (180) 06/09/2011
PARAM_NO	PARAMETER	PTI		
625	Diploneis Oblongella Total	4	2	
1412	Amphora Libyca Total	3	14	4
581	Amphora Pediculus Total	3	6	14
594	Cocconeis Placentula Total	3	142	
618	Denticula Kuetzingii Total	3		2
628	Diploneis Puella Total	3	2	
609	Encyonopsis Microcephala Total	3		1
1250	Eunotia Pectinalis Total	3	121	
655	Gomphonema Acuminatum Total	3		1
656	Gomphonema Affine Total	3		38
660	Gomphonema Clavatum Total	3		4
663	Gomphonema Gracile Total	3		5
1421	Gomphonema Grovei Total	3	2	
5009	Gomphonema Intricatum Total	3		8
670	Gomphonema Truncatum Total	3		4
674	Hantzschia Amphioxys Total	3	2	
745	Pinnularia Viridis Total	3	10	
746	Reimeria Sinuata Total	3	52	2
747	Rhoicosphenia Curvata Total	3	105	15
748	Rhopalodia Gibba Total	3		1
568	Achnanthes Lanceolata Total	2	2	
595	Cyclotella Meneghiniana Total	2		14
658	Gomphonema Angustatum Total	2	1	
1385	Luticola Goeppertiana Total	2		2
726	Nitzschia Amphibia Total	2		299
738	Nitzschia Tropica Total	2		1
2482	Rhopalodia Gibberula Total	2	1	
692	Sellaphora Laevissima Total	2	1	2
758	Synedra Ulna Total	2	35	
667	Gomphonema Parvulum Total	1		78
6308	Campylodiscus Noricus Total		1	
5139	Geissleria Cumberowii Total		1	

Diatoms - Boggy Creek			BOG @ Manor Rd	BOG @ Nile Rd
PARAM_NO	PARAMETER	PTI	(2754) 06/14/2011	(837) 06/10/2011
1412	Amphora Libyca Total	3	155	1
581	Amphora Pediculus Total	3	16	27
1415	Caloneis Schumanniana Total	3		2
592	Caloneis Silicula Total	3	1	
593	Cocconeis Pediculus Total	3		4
594	Cocconeis Placentula Total	3	3	6
599	Cymbella Affinis Total	3		1
628	Diploneis Puella Total	3	1	
644	Fragilaria Capucina Total	3	1	
656	Gomphonema Affine Total	3	3	8
1421	Gomphonema Grovei Total	3		2
3872	Gomphonema Pumilum Total	3	1	
670	Gomphonema Truncatum Total	3		3
1383	Navicula Decussis Total	3		7
717	Navicula Kotschyi Total	3		3
4335	Nitzschia Sinuata V Delognei Total	3		1
745	Pinnularia Viridis Total	3	5	
746	Reimeria Sinuata Total	3	276	34
747	Rhoicosphenia Curvata Total	3	11	1
748	Rhopalodia Gibba Total	3		6
568	Achnanthes Lanceolata Total	2		41
1168	Bacillaria Paradoxa Total	2		1
689	Craticula Cuspidata Total	2	1	
595	Cyclotella Meneghiniana Total	2		4
615	Cymatopleura Solea Total	2		1
686	Diadomesmia Confervacea Total	2		298
699	Luticola Mutica Total	2	11	
1472	Navicula Sanctaecrucis Total	2		1
726	Nitzschia Amphibia Total	2		14
704	Sellaphora Pupula Total	2	3	
1439	Surirella Brebissonii Total	2		1
758	Synedra Ulna Total	2	12	20
667	Gomphonema Parvulum Total	1		8
5471	Navicula Rostellata Total			1

Diatoms - Bull Creek							
PARAM_NO	PARAMETER	PTI	Trib 6 @ BUL (151) 05/02/2012	BUL Trib 5 ds Hanks (1164) 05/02/2012	BUL us Trib 7 (349) 05/02/2012	BUL @ St Edwards us Dam (920) 04/27/2012	BUL @ LOOP36 0 (350) 04/24/20 12
604	Cymbella Cymbiformis Total	4			2		3
962	Cymbella Tumidula Total	4					17
625	Diploneis Oblongella Total	4	2				
567	Eucocconeis Flexella Total	4			19	3	
3864	Achnanthyrium Altergracillima Total	3			137		
2040	Achnanthyrium Minutissimum Total	3	134	84	80	140	122
1412	Amphora Libyca Total	3	6		1	1	2
581	Amphora Pediculus Total	3	9				2
584	Brachysira Vitrea Total	3			18		
593	Cocconeis Pediculus Total	3	106	12		3	39
594	Cocconeis Placentula Total	3	75	18		2	1
606	Cymbella Hustedtii Total	3					2
608	Cymbella Laevis Total	3					2
616	Denticula Elegans Total	3		2			
628	Diploneis Puella Total	3			4		
2047	Encyonema Evergladianum Total	3	8	53		110	
1446	Encyonema Gaeumannii Total	3			42	22	24
611	Encyonema Silesiacum Total	3	1	4			7
609	Encyonopsis Microcephala Total	3			8	4	24
636	Epithemia Turgida Total	3	6				
1429	Eunotia Bilunaris Total	3		11	6		2
1250	Eunotia Pectinalis Total	3	5	18			
644	Fragilaria Capucina Total	3	4	6			2
656	Gomphonema Affine Total	3	1				
657	Gomphonema Angustum Total	3	2		4; 10		
660	Gomphonema Clavatum Total	3				32	8
663	Gomphonema Gracile Total	3	2				
3872	Gomphonema Pumilum Total	3					2
681	Meridion Circulare Total	3	1				
1382	Navicula Cryptotenella Total	3	2		2	7	2
717	Navicula Kotschy Total	3	2				
707	Navicula Radiosa Total	3	10	12			2
712	Navicula Stroemii Total	3	3	2	2	14	8
742	Pinnularia Microstauron Total	3			1		
748	Rhopalodia Gibba Total	3			2		
960	Campylodiscus Hibernicus Total	2	2				
610	Encyonema Minutum Total	2		2	2	11	22
658	Gomphonema Angustatum Total	2	10	10	6	8	2
694	Navicula Trivialis Total	2		1			
726	Nitzschia Amphibia Total	2	4		6	10	14
988	Nitzschia Amphibioides Total	2	49	8	108	106	163
732	Nitzschia Frustulum Total	2	1				
991	Nitzschia Inconspicua Total	2	2				
1256	Nitzschia Serpentrapphe Total	2		2			
758	Synedra Ulna Total	2	16		20	3	22
5329	Achnanthyrium Biasolettianum Total		34	116	2	12	2
5134	Cymbella Excisa Total					2	
6310	Delicata Delicatula Total			30	18	8	
6304	Eolimna Minima Total					2	4
5861	Gomphonema Lateripunctatum Total			109			
5071	Navicula Antonii Total		1				

Diatoms - Buttermilk Branch			BMK @ LWA (851) 06/10/2011
PARAM_NO	PARAMETER	PTI	
593	Cocconeis Pediculus Total	3	2
594	Cocconeis Placentula Total	3	8
599	Cymbella Affinis Total	3	4
618	Denticula Kuetzingii Total	3	6
656	Gomphonema Affine Total	3	12
4335	Nitzschia Sinuata V Delognei Total	3	24
746	Reimeria Sinuata Total	3	435
726	Nitzschia Amphibia Total	2	1
758	Synedra Ulna Total	2	1
5852	Placoneis Elginensis Total		1

Diatoms - Carson Creek			CAR @ Hoecke (1096) 04/27/2012	CAR @ Shady Spgs (1094) 04/27/2012
PARAM_NO	PARAMETER	PTI		
642	Fragilaria Acus Total	4		8
1251	Synedra Nana Total	4	2	
2040	Achnanthyrium Minutissimum Total	3	377	6
575	Amphipleura Pellucida Total	3	2	
1412	Amphora Libyca Total	3		2
577	Amphora Montana Total	3		2
579	Amphora Ovalis Total	3		1
581	Amphora Pediculus Total	3	7	47
587	Caloneis Bacillum Total	3		4
592	Caloneis Silicula Total	3	2	2
593	Cocconeis Pediculus Total	3		60
594	Cocconeis Placentula Total	3	33	16
626	Diploneis Parma Total	3	1	
628	Diploneis Puella Total	3	4	
2047	Encyonema Evergladianum Total	3		2
611	Encyonema Silesiacum Total	3		5
1429	Eunotia Bilunaris Total	3	2	10
1250	Eunotia Pectinalis Total	3		3
651	Fragilaria Fasciculata Total	3		10
656	Gomphonema Affine Total	3	1	6
970	Gomphonema Grovei V Lingulatum Total	3		5
730	Nitzschia Dissipata Total	3	6	
746	Reimeria Sinuata Total	3		51
747	Rhoicosphenia Curvata Total	3		75
1168	Bacillaria Paradoxa Total	2	7	5
595	Cyclotella Meneghiniana Total	2		4
686	Diadesmis Confervacea Total	2		2
1475	Navicula Recens Total	2	3	1
694	Navicula Trivialis Total	2	2	1
726	Nitzschia Amphibia Total	2	4	18
988	Nitzschia Amphibioides Total	2	20	12
732	Nitzschia Frustulum Total	2		1
991	Nitzschia Inconspicua Total	2	2	
734	Nitzschia Microcephala Total	2	2	
1439	Surirella Brebissonii Total	2		2
758	Synedra Ulna Total	2		12
729	Tryblionella Apiculata Total	2		1
667	Gomphonema Parvulum Total	1	2	2
735	Nitzschia Palea Total	1		1
737	Nitzschia Solita Total	1	1	
5329	Achnanthyrium Biasolettianum Total		2	
6304	Eolimna Minima Total		18	
5241	Kolbesia Ploenensis Total			111

Diatoms - Commons Ford Creek			CMF in CF Metro Pk (1048) 05/04/2012
PARAM_NO	PARAMETER	PTI	
567	Eucocconeis Flexella Total	4	7
2040	Achnantheidium Minutissimum Total	3	139
1412	Amphora Libyca Total	3	6
584	Brachysira Vitrea Total	3	16
592	Caloneis Silicula Total	3	2
593	Cocconeis Pediculus Total	3	29
594	Cocconeis Placentula Total	3	12
606	Cymbella Hustedtii Total	3	4
603	Cymbella Neocistula Total	3	1
2047	Encyonema Evergladianum Total	3	10
611	Encyonema Silesiacum Total	3	4
609	Encyonopsis Microcephala Total	3	6
1429	Eunotia Bilunaris Total	3	2
1250	Eunotia Pectinalis Total	3	1
644	Fragilaria Capucina Total	3	4
1382	Navicula Cryptotenella Total	3	2
1383	Navicula Decussis Total	3	2
707	Navicula Radiosa Total	3	4
712	Navicula Stroemii Total	3	12
610	Encyonema Minutum Total	2	8
658	Gomphonema Angustatum Total	2	4
988	Nitzschia Amphibioides Total	2	56
758	Synedra Ulna Total	2	20
737	Nitzschia Solita Total	1	1
5329	Achnantheidium Biasolettianum Total		4

Diatoms - Cottonmouth Creek			CTM @ D G Collins (1206) 05/02/2012
PARAM_NO	PARAMETER	PTI	
587	Caloneis Bacillum Total	3	3
611	Encyonema Silesiacum Total	3	2
613	Encyonema Triangulum Total	3	2
660	Gomphonema Clavatum Total	3	1
1434	Nitzschia Recta Total	3	1
568	Achnanthes Lanceolata Total	2	2
582	Amphora Veneta Total	2	4
689	Craticula Cuspidata Total	2	2
686	Diademesmis Confervacea Total	2	2
658	Gomphonema Angustatum Total	2	4
726	Nitzschia Amphibia Total	2	412
991	Nitzschia Inconspicua Total	2	54
1439	Surirella Brebissonii Total	2	4
758	Synedra Ulna Total	2	4
729	Tryblionella Apiculata Total	2	2

Diatoms - Country Club West			CCW @ E Oltorf (850) 06/08/2011
PARAM_NO	PARAMETER	PTI	
566	Achnanthes Exigua Total	3	2
1412	Amphora Libyca Total	3	2
581	Amphora Pediculus Total	3	342
593	Cocconeis Pediculus Total	3	4
594	Cocconeis Placentula Total	3	3
656	Gomphonema Affine Total	3	9
3872	Gomphonema Pumilum Total	3	2
4335	Nitzschia Sinuata V Delognei Total	3	1
742	Pinnularia Microstauron Total	3	2
746	Reimeria Sinuata Total	3	26
747	Rhoicosphenia Curvata Total	3	15
748	Rhopalodia Gibba Total	3	1
718	Navicula Veneta Total	2	1
758	Synedra Ulna Total	2	2

Diatoms - Cuernavaca Creek			CRN @ River Hills (1222) 04/25/2012
PARAM_NO	PARAMETER	PTI	
625	Diploneis Oblongella Total	4	6
2040	Achnanthidium Minutissimum Total	3	66
584	Brachysira Vitrea Total	3	10
606	Cymbella Hustedtii Total	3	2
608	Cymbella Laevis Total	3	3
2047	Encyonema Evergladianum Total	3	35
1429	Eunotia Bilunaris Total	3	2
1250	Eunotia Pectinalis Total	3	2
656	Gomphonema Affine Total	3	2
657	Gomphonema Angustum Total	3	20
660	Gomphonema Clavatum Total	3	24
3872	Gomphonema Pumilum Total	3	2
712	Navicula Stroemii Total	3	3
610	Encyonema Minutum Total	2	2
658	Gomphonema Angustatum Total	2	66
758	Synedra Ulna Total	2	16
5329	Achnanthidium Biasolettianum Total		217
6310	Delicata Delicatula Total		8
5861	Gomphonema Lateripunctatum Total		12

Diatoms - Decker Creek			DKR @ Gilbert (1974) 06/16/2011
PARAM_NO	PARAMETER	PTI	
2649	Aulacoseira Ambigua Total	3	2
636	Epithemia Turgida Total	3	40

Diatoms - Dry Creek East			SFD @ Pearce (1211) 04/27/2012	SFD @ Wolf (1210) 04/27/2012
PARAM_NO	PARAMETER	PTI		
577	Amphora Montana Total	3		1
587	Caloneis Bacillum Total	3	4	81
1415	Caloneis Schumanniana Total	3		44
593	Cocconeis Pediculus Total	3		13
594	Cocconeis Placentula Total	3		7
628	Diploneis Puella Total	3	8	51
611	Encyonema Silesiacum Total	3	18	40
613	Encyonema Triangulum Total	3	4	16
656	Gomphonema Affine Total	3	6	
660	Gomphonema Clavatum Total	3	14	
663	Gomphonema Gracile Total	3		6
3872	Gomphonema Pumilum Total	3		52
1382	Navicula Cryptotenella Total	3	4	
746	Reimeria Sinuata Total	3		4
652	Staurosirella Pinnata Total	3		1
582	Amphora Veneta Total	2		22
1168	Bacillaria Paradoxa Total	2	5	2
689	Craticula Cuspidata Total	2		1
595	Cyclotella Meneghiniana Total	2	1	
610	Encyonema Minutum Total	2	3	46
2051	Navicula Capitata Total	2		2
1475	Navicula Recens Total	2	173	29
726	Nitzschia Amphibia Total	2	2	
988	Nitzschia Amphibioides Total	2		6
1253	Nitzschia Clausii Total	2		8
732	Nitzschia Frustulum Total	2	1	6
991	Nitzschia Inconspicua Total	2	4	
1439	Surirella Brebissonii Total	2		6
758	Synedra Ulna Total	2		2
667	Gomphonema Parvulum Total	1	6	2
1117	Nitzschia Compressa Total	1		37
735	Nitzschia Palea Total	1	219	1
1403	Nitzschia Scalpelliformis Total	1	26	
5329	Achnanthyrium Biasolettianum Total		2	
6454	Nitzschia Apiculata Total			1
5773	Tryblionella Debilis Total			8

Diatoms - Dry Creek North			DRN @ FM 2222 (1109) 04/25/2012	DRN @ Mt Bonnel Rd (1108) 04/24/2012
PARAM_NO	PARAMETER	PTI		
2040	Achnantheidium Minutissimum Total	3	14	238
1412	Amphora Libyca Total	3	6	12
577	Amphora Montana Total	3		2
581	Amphora Pediculus Total	3	166	73
593	Cocconeis Pediculus Total	3	2	14
594	Cocconeis Placentula Total	3	70	82
681	Meridion Circulare Total	3	4	
712	Navicula Stroemii Total	3	2	
730	Nitzschia Dissipata Total	3		6
1434	Nitzschia Recta Total	3	1	
746	Reimeria Sinuata Total	3	9	8
747	Rhoicosphenia Curvata Total	3	2	2
568	Achnanthes Lanceolata Total	2	20	6
627	Diploneis Pseudovalis Total	2		2
610	Encyonema Minutum Total	2		6
658	Gomphonema Angustatum Total	2	8	
1471	Melosira Varians Total	2		2
718	Navicula Veneta Total	2	2	
726	Nitzschia Amphibia Total	2	7	13
988	Nitzschia Amphibioides Total	2	7	
991	Nitzschia Inconspicua Total	2	8	7
758	Synedra Ulna Total	2	2	1
5329	Achnantheidium Biasolettianum Total		2	8
6304	Eolimna Minima Total		145	
5241	Kolbesia Ploenensis Total		2	
5071	Navicula Antonii Total		1	
6453	Stauroneis Borrichii Total		1	

Diatoms - Eanes Creek			EAN @ Camp Craft (1106) 05/01/2012
PARAM_NO	PARAMETER	PTI	
2040	Achnanthidium Minutissimum Total	3	262
1412	Amphora Libyca Total	3	2
581	Amphora Pediculus Total	3	15
587	Caloneis Bacillum Total	3	2
594	Cocconeis Placentula Total	3	1
626	Diploneis Parma Total	3	2
628	Diploneis Puella Total	3	23
2047	Encyonema Evergladianum Total	3	12
611	Encyonema Silesiacum Total	3	7
1250	Eunotia Pectinalis Total	3	2
656	Gomphonema Affine Total	3	2
660	Gomphonema Clavatum Total	3	2
670	Gomphonema Truncatum Total	3	2
712	Navicula Stroemii Total	3	15
745	Pinnularia Viridis Total	3	2
1168	Bacillaria Paradoxa Total	2	3
610	Encyonema Minutum Total	2	27
658	Gomphonema Angustatum Total	2	32
726	Nitzschia Amphibia Total	2	70
991	Nitzschia Inconspicua Total	2	10
758	Synedra Ulna Total	2	1
729	Tryblionella Apiculata Total	2	1

Diatoms - East Bouldin Creek			EBO @ Elizabeth (119) 06/10/2011
PARAM_NO	PARAMETER	PTI	
2040	Achnanthidium Minutissimum Total	3	1
1412	Amphora Libyca Total	3	7
577	Amphora Montana Total	3	2
581	Amphora Pediculus Total	3	115
587	Caloneis Bacillum Total	3	1
594	Cocconeis Placentula Total	3	2
608	Cymbella Laevis Total	3	2
618	Denticula Kuetzingii Total	3	1
1250	Eunotia Pectinalis Total	3	3
655	Gomphonema Acuminatum Total	3	1
656	Gomphonema Affine Total	3	42
665	Gomphonema Intricatum V Vibrio Total	3	7
3872	Gomphonema Pumilum Total	3	75
670	Gomphonema Truncatum Total	3	1
719	Navicula Vulpina Total	3	1
4335	Nitzschia Sinuata V Delognei Total	3	17
746	Reimeria Sinuata Total	3	2
747	Rhoicosphenia Curvata Total	3	110
568	Achnanthes Lanceolata Total	2	19
686	Diademesia Confervacea Total	2	3
726	Nitzschia Amphibia Total	2	6
758	Synedra Ulna Total	2	33
667	Gomphonema Parvulum Total	1	2
5775	Achnanthes Rupestroides Total		24
4507	Cymbella Husdtetii V Stigmata Total		1
6304	Eolimna Minima Total		1
5852	Placoneis Elginensis Total		2
998	Terpsinoe Musica Total		2

Diatoms - Fort Branch			FOR us Manor (125) 06/09/2011	FOR @ Single Shot (898) 06/09/2011
PARAM_NO	PARAMETER	PTI		
656	Gomphonema Affine Total	3	diatoms not evaluated for this site	5
663	Gomphonema Gracile Total	3		7
970	Gomphonema Grovei V Lingulatum Total	3		1
665	Gomphonema Intricatum V Vibrio Total	3		3
4335	Nitzschia Sinuata V Delognei Total	3		1
745	Pinnularia Viridis Total	3		1
2053	Placoneis Placentula Total	3		3
746	Reimeria Sinuata Total	3		1
747	Rhoicosphenia Curvata Total	3		1
758	Synedra Ulna Total	2		11
6306	Aulacoseira Distans Total			5

Diatoms - Gilleland Creek			GIL @ S Railroad (1193) 06/15/2011	GIL @ Cameron (1914) 06/15/2011	GIL @ West Parsons (1191) 06/16/2011	GIL @ FM973 (1192) 06/14/2011	GIL @ FM969 (886) 06/14/2011
PARAM_NO	PARAMETER	PTI					
3200	Cymbella Prostrata Total	4				5	13
625	Diploneis Oblongella Total	4		1			
2040	Achnantheidium Minutissimum Total	3					1
1412	Amphora Libyca Total	3	3		7	1	5
581	Amphora Pediculus Total	3	6	17	3		
587	Caloneis Bacillum Total	3	2				
593	Cocconeis Pediculus Total	3	11		17	2	
594	Cocconeis Placentula Total	3	56	79	76	203	30
606	Cymbella Hustedtii Total	3	14				
618	Denticula Kuetzingii Total	3	4				
611	Encyonema Silesiacum Total	3	2				
651	Fragilaria Fasciculata Total	3	1				
656	Gomphonema Affine Total	3	44	6	34		1
1421	Gomphonema Grovei Total	3	61				
970	Gomphonema Grovei V Lingulatum Total	3	22				
3872	Gomphonema Pumilum Total	3	1	10			
670	Gomphonema Truncatum Total	3	2				
4335	Nitzschia Sinuata V Delognei Total	3	8		1		
745	Pinnularia Viridis Total	3	3				
746	Reimeria Sinuata Total	3	179	316	148	119	97
747	Rhoicosphenia Curvata Total	3	3	18	197	56	
582	Amphora Veneta Total	2			4		
726	Nitzschia Amphibia Total	2	4	4	2		1
988	Nitzschia Amphibioides Total	2		2			
1499	Pleurosira Laevis Total	2	18	4	3		10
758	Synedra Ulna Total	2	2			9	54
5869	Achnanthes Kolbei Total			14			
5775	Achnanthes Rupestroides Total			24	5		
5301	Amphora Ovalis V Ovalis Total		50	2		11	
4866	Cymbella Tumida Total		1				
998	Terpsinoe Musica Total		1	3	2	94	62

Diatoms - Harris Branch			HRS @ Boyce (1201) 06/15/2011
PARAM_NO	PARAMETER	PTI	
581	Amphora Pediculus Total	3	1
593	Cocconeis Pediculus Total	3	1
594	Cocconeis Placentula Total	3	4
674	Hantzschia Amphioxys Total	3	1
742	Pinnularia Microstauron Total	3	1
746	Reimeria Sinuata Total	3	1
747	Rhoicosphenia Curvata Total	3	1
568	Achnanthes Lanceolata Total	2	2
582	Amphora Veneta Total	2	1
699	Luticola Mutica Total	2	1
726	Nitzschia Amphibia Total	2	2
758	Synedra Ulna Total	2	1
667	Gomphonema Parvulum Total	1	1
998	Terpsinoe Musica Total		481

Diatoms - Lake Creek			LKC ds Meadowheath (1100) 04/27/2012	LKC @ Shadowbrook (3978) 04/26/2012	LKC @ Sugar Berry (1098) 04/26/2012
PARAM_NO	PARAMETER	PTI			
625	Diploneis Oblongella Total	4			2
2040	Achnanthidium Minutissimum Total	3	27	14	5
1412	Amphora Libyca Total	3			1
581	Amphora Pediculus Total	3	51	86	206
958	Aulacoseira Granulata Total	3			5
587	Caloneis Bacillum Total	3			1
593	Cocconeis Pediculus Total	3	16	25	39
594	Cocconeis Placentula Total	3	34	28	5
611	Encyonema Silesiacum Total	3		2	2
656	Gomphonema Affine Total	3			2
660	Gomphonema Clavatum Total	3		2	
3872	Gomphonema Pumilum Total	3		4	
670	Gomphonema Truncatum Total	3	2		
688	Navicula Cryptocephala Total	3		1	
1383	Navicula Decussis Total	3			1
746	Reimeria Sinuata Total	3			12
747	Rhoicosphenia Curvata Total	3		20	27
748	Rhopalodia Gibba Total	3			2
650	Staurosira Construens V Venter Total	3	6	6	
4869	Diploneis Smithii Total	2.5		1	
568	Achnanthes Lanceolata Total	2	3	2	3
582	Amphora Veneta Total	2	4	3	2
595	Cyclotella Meneghiniana Total	2	16		1
686	Diadesmis Confervacea Total	2	2		
1475	Navicula Recens Total	2	1		
714	Navicula Subminiscula Total	2	14		
718	Navicula Veneta Total	2		2	
726	Nitzschia Amphibia Total	2		28	45
732	Nitzschia Frustulum Total	2	249	2	
991	Nitzschia Inconspicua Total	2	43	218	96
1439	Surirella Brebissonii Total	2	4		
758	Synedra Ulina Total	2	6	4	1
729	Tryblionella Apiculata Total	2		2	
667	Gomphonema Parvulum Total	1	4	3	10
735	Nitzschia Palea Total	1	5		
737	Nitzschia Solita Total	1	1		
6304	Eolimna Minima Total		10	36	
5071	Navicula Antonii Total				5
5471	Navicula Rostellata Total		2		

Diatoms - Little Barton Creek			LBA @ Hamilton Pool (1115) 05/03/2012	LBA @ Great Divide (1114) 05/03/2012	LBA @ BAR (77) 05/03/2012
PARAM_NO	PARAMETER	PTI			
4864	Brachysira Neoexilis (Serians) Total	4	3		
604	Cymbella Cymbiformis Total	4		3	
1248	Cymbella Subaequalis Total	4	6		
642	Fragilaria Acus Total	4			2
643	Pseudostaurosira Brevistriata Total	4			6
1251	Synedra Nana Total	4			2
2040	Achnanthyidium Minutissimum Total	3	248	151	95
1412	Amphora Libyca Total	3	2		3
577	Amphora Montana Total	3	2		
581	Amphora Pediculus Total	3		1	8
584	Brachysira Vitrea Total	3	42		5
587	Caloneis Bacillum Total	3			2
593	Cocconeis Pediculus Total	3		115	9
594	Cocconeis Placentula Total	3		75	9
606	Cymbella Hustedtii Total	3			6
608	Cymbella Laevis Total	3			22
603	Cymbella Neocistula Total	3			2
628	Diploneis Puella Total	3	1		
2047	Encyonema Evergladianum Total	3	11		50
611	Encyonema Silesiacum Total	3	14	2	1
609	Encyonopsis Microcephala Total	3	16		10
636	Epithemia Turgida Total	3		1	3
1429	Eunotia Bilunaris Total	3		2	
1250	Eunotia Pectinalis Total	3	2	11	2
644	Fragilaria Capucina Total	3	2	4	4
654	Frustulia Vulgaris Total	3	11		
655	Gomphonema Acuminatum Total	3			1
656	Gomphonema Affine Total	3		1	2
660	Gomphonema Clavatum Total	3	10	29	4
663	Gomphonema Gracile Total	3		6	
3872	Gomphonema Pumilum Total	3	6	4	
670	Gomphonema Truncatum Total	3		8	
671	Gyrosigma Nodiferum Total	3			3
1382	Navicula Cryptotenella Total	3	2		6
717	Navicula Kotschy Total	3			10
700	Navicula Oblonga Total	3			1
707	Navicula Radiosa Total	3	2	3	5
712	Navicula Stroemii Total	3	22		20
746	Reimeria Sinuata Total	3			5
748	Rhopalodia Gibba Total	3	2	3	1
650	Staurosira Construens V Venter Total	3			2
595	Cyclotella Meneghiniana Total	2		2	1
610	Encyonema Minutum Total	2	2	8	19
658	Gomphonema Angustatum Total	2	20	8	33
1385	Luticola Goeppertiana Total	2	1		
974	Mastogloia Elliptica Total	2	4		3
696	Navicula Menisculus Total	2			1
1475	Navicula Recens Total	2	1		
726	Nitzschia Amphibia Total	2	4	10	7
988	Nitzschia Amphibioides Total	2	61	6	15
758	Synedra Ulna Total	2	3	33	14
5329	Achnanthyidium Biasolettianum Total			14	70
5134	Cymbella Excisa Total				7
6310	Delicata Delicatula Total				14
6452	Frustulia Rhomboides Total				1
5861	Gomphonema Lateripunctatum Total				4

Diatoms - Little Bear Creek			LBR @ Ashmun	LBR @ BER (1101)
PARAM_NO	PARAMETER	PTI	(3374) 04/26/2012	05/03/2012
4336	Pinnularia Interrupta Total	4	5	
2040	Achnanthyidium Minutissimum Total	3	14	48
1412	Amphora Libyca Total	3		1
581	Amphora Pediculus Total	3		7
584	Brachysira Vitrea Total	3	5	
587	Caloneis Bacillum Total	3	10	
628	Diploneis Puella Total	3	1	
2047	Encyonema Evergladianum Total	3		2
611	Encyonema Silesiacum Total	3	18	
613	Encyonema Triangulum Total	3	9	
1429	Eunotia Bilunaris Total	3	4	1
1250	Eunotia Pectinalis Total	3	2	
655	Gomphonema Acuminatum Total	3		1
660	Gomphonema Clavatum Total	3	2	14
663	Gomphonema Gracile Total	3	4	
970	Gomphonema Grovei V Lingulatum Total	3		2
3872	Gomphonema Pumilum Total	3	46	
681	Meridion Circulare Total	3	2	
1382	Navicula Cryptotenella Total	3	1	
582	Amphora Veneta Total	2		46
610	Encyonema Minutum Total	2		5
658	Gomphonema Angustatum Total	2	4	8
1385	Luticola Goeppertiana Total	2		2
694	Navicula Trivialis Total	2		6
726	Nitzschia Amphibia Total	2		208
988	Nitzschia Amphibioides Total	2	369	24
732	Nitzschia Frustulum Total	2		2
4338	Stauroneis Phoenicentron Total	2	2	
758	Synedra Ulna Total	2	2	3
667	Gomphonema Parvulum Total	1		95
5329	Achnanthyidium Biasolettianum Total			3
6458	Amphora Spp. Total			20
6304	Eolimna Minima Total			1

Diatoms - Little Walnut Creek			LWA @ Golden Meadow (838) 06/10/2011	LWA @ Georgian (3860) 06/10/2011	LWA @ Cameron (3857) 06/10/2011	LWA @ US183 (634) 06/14/2011
PARAM_NO	PARAMETER	PTI				
720	Neidium Ampliatum Total	4		1	3	No diatoms were observed on the rocks collected. Flow was intermittent through alluvial pools. It is suspected that the site was dry for an extended period prior to sampling, which resulted in no live diatoms.
566	Achnanthes Exigua Total	3	4			
2040	Achnanthidium Minutissimum Total	3	115	14		
1412	Amphora Libyca Total	3	9	2	8	
577	Amphora Montana Total	3		1		
581	Amphora Pediculus Total	3	155	31	19	
592	Caloneis Silicula Total	3			1	
593	Cocconeis Pediculus Total	3		3	1	
594	Cocconeis Placentula Total	3		1	1	
606	Cymbella Hustedtii Total	3		12	16	
618	Denticula Kuetzingii Total	3	86	8		
628	Diploneis Puella Total	3	3			
611	Encyonema Silesiacum Total	3		1	3	
644	Fragilaria Capucina Total	3	3			
656	Gomphonema Affine Total	3	8	32	50	
660	Gomphonema Clavatum Total	3		2	2	
1421	Gomphonema Grovei Total	3	2		2	
665	Gomphonema Intricatum V Vibrio Total	3		1		
670	Gomphonema Truncatum Total	3		2	1	
717	Navicula Kotschyi Total	3	23		2	
719	Navicula Vulpina Total	3		1		
4335	Nitzschia Sinuata V Delognei Total	3	8	159	268	
992	Nitzschia Sinuata V Tabellaria Total	3		1	6	
742	Pinnularia Microstauron Total	3			3	
746	Reimeria Sinuata Total	3	6	6	50	
747	Rhoicosphenia Curvata Total	3	4			
748	Rhopalodia Gibba Total	3		5		
650	Staurosira Construens V Venter Total	3		1	2	
568	Achnanthes Lanceolata Total	2	1		1	
595	Cyclotella Meneghiniana Total	2	3			
686	Diadesmis Confervacea Total	2	4	5		
1386	Navicula Ingenua Total	2	2			
1475	Navicula Recens Total	2		1		
694	Navicula Trivialis Total	2		3		
718	Navicula Veneta Total	2	6			
726	Nitzschia Amphibia Total	2	8	18	8	
988	Nitzschia Amphibioides Total	2	8			
738	Nitzschia Tropica Total	2	1			
704	Sellaphora Pupula Total	2	2			
758	Synedra Ulna Total	2	10	115	34	
667	Gomphonema Parvulum Total	1	4	71	10	
5775	Achnanthes Rupestoides Total		5			
5134	Cymbella Excisa Total			1		
4507	Cymbella Hustedtii V Stigmata Total			1		
4866	Cymbella Tumida Total				5	
6304	Eolimna Minima Total		6			
5139	Geissleria Cummerowii Total		2			
5071	Navicula Antonii Total		3			
3020	Cymbella Richness		1	5	4	

Diatoms - Marble Creek			MAR @ Thaxton (232) 05/01/2012	MAR @ Wm Cannon (231) 05/01/2012
PARAM_NO	PARAMETER	PTI		
1248	Cymbella Subaequalis Total	4	4	
2040	Achnantheidium Minutissimum Total	3	36	26
1412	Amphora Libyca Total	3	9	
581	Amphora Pediculus Total	3		38
587	Caloneis Bacillum Total	3	10	
1415	Caloneis Schumanniana Total	3	6	7
592	Caloneis Silicula Total	3	16	6
594	Cocconeis Placentula Total	3	1	10
618	Denticula Kuetzingii Total	3		3
626	Diploneis Parma Total	3	6	
628	Diploneis Puella Total	3	62	8
611	Encyonema Silesiacum Total	3	26	
613	Encyonema Triangulum Total	3	7	5
1429	Eunotia Bilunaris Total	3		14
1250	Eunotia Pectinalis Total	3		2
644	Fragilaria Capucina Total	3		3
655	Gomphonema Acuminatum Total	3		1
656	Gomphonema Affine Total	3	2	
660	Gomphonema Clavatum Total	3	6	6
663	Gomphonema Gracile Total	3	8	
1421	Gomphonema Grovei Total	3		2
970	Gomphonema Grovei V Lingulatum Total	3		2
3872	Gomphonema Pumilum Total	3	20	16
717	Navicula Kotschyi Total	3		2
730	Nitzschia Dissipata Total	3		1
746	Reimeria Sinuata Total	3		16
748	Rhopalodia Gibba Total	3	44	
4870	Diploneis Smithii V Pumila Total	2.5		4
1168	Bacillaria Paradoxa Total	2		1
595	Cyclotella Meneghiniana Total	2	2	6
610	Encyonema Minutum Total	2	2	
658	Gomphonema Angustatum Total	2	4	
699	Luticola Mutica Total	2	2	
1471	Melosira Varians Total	2		2
1475	Navicula Recens Total	2		6
694	Navicula Trivialis Total	2		5
726	Nitzschia Amphibia Total	2	115	87
988	Nitzschia Amphibioides Total	2	99	22
732	Nitzschia Frustulum Total	2		8
991	Nitzschia Inconspicua Total	2	4	54
692	Sellaphora Laevissima Total	2		3
752	Surirella Angusta Total	2		1
1439	Surirella Brebissonii Total	2	1	2
758	Synedra Ulua Total	2		53
729	Tryblionella Apiculata Total	2	4	9
667	Gomphonema Parvulum Total	1	4	46
5329	Achnantheidium Biasolettianum Total			2
6304	Eolimna Minima Total			13

Diatoms - North Fork Dry Creek			NFD @ FM 812
PARAM_NO	PARAMETER	PTI	(1217) 05/02/2012
587	Caloneis Bacillum Total	3	73
1415	Caloneis Schumanniana Total	3	57
592	Caloneis Silicula Total	3	7
628	Diploneis Puella Total	3	65
611	Encyonema Silesiacum Total	3	89
613	Encyonema Triangulum Total	3	14
656	Gomphonema Affine Total	3	19
660	Gomphonema Clavatum Total	3	18
663	Gomphonema Gracile Total	3	31
3872	Gomphonema Pumilum Total	3	5
1434	Nitzschia Recta Total	3	13
747	Rhoicosphenia Curvata Total	3	11
748	Rhopalodia Gibba Total	3	20
1168	Bacillaria Paradoxa Total	2	5
689	Craticula Cuspidata Total	2	1
610	Encyonema Minutum Total	2	1
694	Navicula Trivialis Total	2	12
726	Nitzschia Amphibia Total	2	24
988	Nitzschia Amphibioides Total	2	2
732	Nitzschia Frustulum Total	2	3
692	Sellaphora Laevissima Total	2	1
704	Sellaphora Pupula Total	2	3
758	Synedra Ulna Total	2	1
729	Tryblionella Apiculata Total	2	11
667	Gomphonema Parvulum Total	1	2
735	Nitzschia Palea Total	1	1
1403	Nitzschia Scalpelliformis Total	1	3
5773	Tryblionella Debilis Total		2

Diatoms - Onion Creek			ONI @ Hudson (4595) 04/24/2012	ONI nr Driftwood (612) 04/24/2012	ONI @ Twin Cks (236) 04/26/2012	ONI us Footbridge (241) 05/03/2012	ONI @ Mckinney Lower Falls (255) 05/02/2012	ONI @ SAR (1366) 04/27/2012
PARAM_NO	PARAMETER	PTI						
4864	Brachysira Neoexilis (Serians) Total	4	4	2				
604	Cymbella Cymbiformis Total	4			1			
567	Eucocconeis Flexella Total	4		2				
642	Fragilaria Acus Total	4		4				
2150	Fragilaria Tenera Total	4		33				
1251	Synedra Nana Total	4		24				
3864	Achnanthyrium Altergracillima Total	3			24		8	
2040	Achnanthyrium Minutissimum Total	3	140	119	37	71	22	
577	Amphora Montana Total	3			1			
581	Amphora Pediculus Total	3				27	1	
584	Brachysira Vitrea Total	3	37	32				
587	Caloneis Bacillum Total	3			1	1		
1415	Caloneis Schumanniana Total	3			2			
592	Caloneis Silicula Total	3				2	4	
593	Cocconeis Pediculus Total	3			240	56	97	13
594	Cocconeis Placentula Total	3			17	18	32	105
606	Cymbella Hustedtii Total	3					12	16
608	Cymbella Laevis Total	3		4				
2047	Encyonema Evergladianum Total	3	164	62	6			2
611	Encyonema Silesiacum Total	3	1		6			3
609	Encyonopsis Microcephala Total	3	5	8				
1429	Eunotia Bilunaris Total	3	1		2	2		1
644	Fragilaria Capucina Total	3		16	2	169		
660	Gomphonema Clavatum Total	3	7		15			
3872	Gomphonema Pumilum Total	3	1		4		2	
1382	Navicula Cryptotenella Total	3	3			4		
717	Navicula Kotschyi Total	3				1		
707	Navicula Radiosa Total	3	2	5	2	4	8	9
712	Navicula Stroemii Total	3	10	11	1			
727	Nitzschia Angustata Total	3			1	1		
730	Nitzschia Dissipata Total	3				3		
1434	Nitzschia Recta Total	3						1
746	Reimeria Sinuata Total	3			18	21	53	118
595	Cyclotella Meneghiniana Total	2				1	1	
610	Encyonema Minutum Total	2	1	2	6	6	105	223
658	Gomphonema Angustatum Total	2		4	6			
974	Mastogloia Elliptica Total	2	3	4				
694	Navicula Trivialis Total	2			3			
718	Navicula Veneta Total	2				1		
726	Nitzschia Amphibia Total	2	1	2	29	18	12	2
988	Nitzschia Amphibioides Total	2	53	18	50	2	137	2
991	Nitzschia Inconspicua Total	2				7		1
3884	Nitzschia Sinuata V Sinuata Total	2			2	6		
704	Sellaphora Pupula Total	2						1
758	Synedra Ulna Total	2	3	6	22	17	6	3
667	Gomphonema Parvulum Total	1			2	5		
735	Nitzschia Palea Total	1	1					
5329	Achnanthyrium Biasolettianum Total		63	120		39		
4866	Cymbella Tumida Total					1		
6310	Delicata Delicatula Total			18				
6304	Eolimna Minima Total					1		
5861	Gomphonema Lateripunctatum Total			2				
5071	Navicula Antonii Total			2		4		

Diatoms - Panther Hollow			PAN @ Big View (1223) 05/04/2012
PARAM_NO	PARAMETER	PTI	
593	Cocconeis Pediculus Total	3	7
594	Cocconeis Placentula Total	3	2
2047	Encyonema Evergladianum Total	3	39
1446	Encyonema Gaeumannii Total	3	2
609	Encyonopsis Microcephala Total	3	12
657	Gomphonema Angustum Total	3	2
660	Gomphonema Clavatum Total	3	4
681	Meridion Circulare Total	3	1
712	Navicula Stroemii Total	3	2
568	Achnanthes Lanceolata Total	2	4
658	Gomphonema Angustatum Total	2	15
726	Nitzschia Amphibia Total	2	6
988	Nitzschia Amphibioides Total	2	69
758	Synedra Ulna Total	2	5
5329	Achnanthidium Biasolettianum Total		34
6304	Eolimna Minima Total		1
5861	Gomphonema Lateripunctatum Total		6

Diatoms - Rattan Creek			RAT us Parmer (1009) 05/02/2012
PARAM_NO	PARAMETER	PTI	
2040	Achnanthidium Minutissimum Total	3	88
1412	Amphora Libyca Total	3	2
581	Amphora Pediculus Total	3	6
584	Brachysira Vitrea Total	3	3
592	Caloneis Silicula Total	3	1
593	Cocconeis Pediculus Total	3	67
594	Cocconeis Placentula Total	3	5
618	Denticula Kuetzingii Total	3	2
2047	Encyonema Evergladianum Total	3	1
611	Encyonema Silesiacum Total	3	8
609	Encyonopsis Microcephala Total	3	2
644	Fragilaria Capucina Total	3	2
655	Gomphonema Acuminatum Total	3	2
656	Gomphonema Affine Total	3	1
657	Gomphonema Angustum Total	3	2
660	Gomphonema Clavatum Total	3	6
670	Gomphonema Truncatum Total	3	4
707	Navicula Radiosa Total	3	12
747	Rhoicosphenia Curvata Total	3	6
568	Achnanthes Lanceolata Total	2	7
595	Cyclotella Meneghiniana Total	2	18
610	Encyonema Minutum Total	2	8
694	Navicula Trivialis Total	2	2
718	Navicula Veneta Total	2	2
726	Nitzschia Amphibia Total	2	99
988	Nitzschia Amphibioides Total	2	89
991	Nitzschia Inconspicua Total	2	15
1439	Surirella Brebissonii Total	2	2
758	Synedra Ulna Total	2	6
667	Gomphonema Parvulum Total	1	22
5329	Achnanthidium Biasolettianum Total		4
6310	Delicata Delicatula Total		3
6304	Eolimna Minima Total		2

Diatoms - Rinard Creek			RIN @ FM 1327 (1220) 05/01/2012	RIN @ Bradshaw (233) 05/01/2012	RIN ds SH 45 (5398) 05/01/2012
PARAM_NO	PARAMETER	PTI			
642	Fragilaria Acus Total	4	16		
2150	Fragilaria Tenera Total	4	8		
2040	Achnanthyidium Minutissimum Total	3	6	126	
575	Amphipleura Pellucida Total	3	131		
1412	Amphora Libyca Total	3			2
581	Amphora Pediculus Total	3	2		
587	Caloneis Bacillum Total	3	16		46
1415	Caloneis Schumanniana Total	3	54	6	72
592	Caloneis Silicula Total	3	29		
594	Cocconeis Placentula Total	3		1	
606	Cymbella Hustedtii Total	3		10	
603	Cymbella Neocistula Total	3		2	
628	Diploneis Puella Total	3	8		
611	Encyonema Silesiacum Total	3	71	20	4
613	Encyonema Triangulum Total	3	10	3	98
609	Encyonopsis Microcephala Total	3		4	
636	Epithemia Turgida Total	3		3	
654	Frustulia Vulgaris Total	3			4
656	Gomphonema Affine Total	3	17		
657	Gomphonema Angustum Total	3	2	2	
660	Gomphonema Clavatum Total	3	27	4	256
663	Gomphonema Gracile Total	3	2		
3872	Gomphonema Pumilum Total	3	2		
674	Hantzschia Amphioxys Total	3	2		
707	Navicula Radiosa Total	3		10	
733	Nitzschia Linearis Total	3	1		
1434	Nitzschia Recta Total	3	10		
4335	Nitzschia Sinuata V Delognei Total	3		176	
742	Pinnularia Microstauron Total	3			4
746	Reimeria Sinuata Total	3		2	
747	Rhoicosphenia Curvata Total	3			1
748	Rhopalodia Gibba Total	3	35		
689	Craticula Cuspidata Total	2	1		
610	Encyonema Minutum Total	2	28		
726	Nitzschia Amphibia Total	2	1	2	1
988	Nitzschia Amphibioides Total	2	4		
732	Nitzschia Frustulum Total	2		97	
1163	Nitzschia Sigma Total	2	1		
1439	Suriella Brebissonii Total	2		4	
758	Synedra Ulna Total	2	12	26	12
729	Tryblionella Apiculata Total	2		2	
667	Gomphonema Parvulum Total	1	2		

Diatoms - Running Deer Creek			RDR @ Running Deer Trl (316) 05/04/2012
PARAM_NO	PARAMETER	PTI	
593	Cocconeis Pediculus Total	3	8
594	Cocconeis Placentula Total	3	6
628	Diploneis Puella Total	3	2
1429	Eunotia Bilunaris Total	3	2
657	Gomphonema Angustum Total	3	1
658	Gomphonema Angustatum Total	2	12
726	Nitzschia Amphibia Total	2	4
988	Nitzschia Amphibioides Total	2	354
758	Synedra Ulna Total	2	14
5329	Achnantheidium Biasolettianum Total		20
6310	Delicata Delicatula Total		3

Diatoms - Shoal Creek			SHL @ Shl Edge Ct (117) 06/09/2011	SHL @ 24th (116) 06/08/2011	SHL us 1st (122) 06/13/2011
PARAM_NO	PARAMETER	PTI			
2040	Achnantheidium Minutissimum Total	3	12		
1412	Amphora Libyca Total	3	5	2	4
581	Amphora Pediculus Total	3	22		10
587	Caloneis Bacillum Total	3		3	
594	Cocconeis Placentula Total	3			24
599	Cymbella Affinis Total	3	8	177	5
606	Cymbella Hustedtii Total	3	4	16	
618	Denticula Kuetzingii Total	3		32	
611	Encyonema Silesiacum Total	3			4
636	Epithemia Turgida Total	3	1	1	
655	Gomphonema Acuminatum Total	3	32		2
656	Gomphonema Affine Total	3	125	17	26
660	Gomphonema Clavatum Total	3	8		
663	Gomphonema Gracile Total	3	2		
970	Gomphonema Grovei V Lingulatum Total	3			1
5009	Gomphonema Intricatum Total	3		2	
3872	Gomphonema Pumilum Total	3			12
670	Gomphonema Truncatum Total	3	2		2
717	Navicula Kotschyi Total	3			5
4335	Nitzschia Sinuata V Delognei Total	3	1	110	45
745	Pinnularia Viridis Total	3		1	
2053	Placoneis Placentula Total	3	3		
746	Reimeria Sinuata Total	3			1
747	Rhoicosphenia Curvata Total	3	89	2	26
748	Rhopalodia Gibba Total	3	2	2	
568	Achnanthes Lanceolata Total	2	1		4
595	Cyclotella Meneghiniana Total	2			26
615	Cymatopleura Solea Total	2			1
686	Diadesmis Confervacea Total	2			16
1471	Melosira Varians Total	2			4
694	Navicula Trivialis Total	2			1
726	Nitzschia Amphibia Total	2	156	80	253
732	Nitzschia Frustulum Total	2			2
738	Nitzschia Tropica Total	2			2
2482	Rhopalodia Gibberula Total	2	1		
704	Sellaphora Pupula Total	2			2
752	Surirella Angusta Total	2			2
758	Synedra Ulna Total	2		48	4
667	Gomphonema Parvulum Total	1	2	7	16
1431	Navicula Salinicola Total	1	8		
5775	Achnanthes Rupestoides Total		1		

Diatoms - Slaughter Creek			SLA @ FM 1826 (623) 04/24/2012	SLA @ Pine Vly (1082) 04/26/2012
PARAM_NO	PARAMETER	PTI		
600	Cymbella Amphicephala Total	4	4	
625	Diploneis Oblongella Total	4	2	
642	Fragilaria Acus Total	4	12	
566	Achnanthes Exigua Total	3		4
2040	Achnantheidium Minutissimum Total	3	284	4
581	Amphora Pediculus Total	3		187
958	Aulacoseira Granulata Total	3		2
584	Brachysira Vitrea Total	3	9	
587	Caloneis Bacillum Total	3	3	
593	Cocconeis Pediculus Total	3		8
594	Cocconeis Placentula Total	3		73
597	Cyclotella Stelligera Total	3		1
618	Denticula Kuetzingii Total	3	10	
617	Diploneis Elliptica Total	3	1	
1446	Encyonema Gaeumannii Total	3	12	
611	Encyonema Silesiacum Total	3	13	4
1429	Eunotia Bilunaris Total	3	4	
1250	Eunotia Pectinalis Total	3	4	
651	Fragilaria Fasciculata Total	3		2
654	Frustulia Vulgaris Total	3	1	
660	Gomphonema Clavatum Total	3	3	7
663	Gomphonema Gracile Total	3	11	
3872	Gomphonema Pumilum Total	3	8	6
1382	Navicula Cryptotenella Total	3	6	2
712	Navicula Stroemii Total	3	2	
742	Pinnularia Microstauron Total	3	4	
746	Reimeria Sinuata Total	3		60
748	Rhopalodia Gibba Total	3	2	
568	Achnanthes Lanceolata Total	2		3
582	Amphora Veneta Total	2	1	
595	Cyclotella Meneghiniana Total	2		2
610	Encyonema Minutum Total	2	4	
658	Gomphonema Angustatum Total	2	18	
974	Mastogloia Elliptica Total	2	1	
1475	Navicula Recens Total	2	2	
726	Nitzschia Amphibia Total	2	8	65
988	Nitzschia Amphibioides Total	2	46	8
991	Nitzschia Inconspicua Total	2		23
3884	Nitzschia Sinuata V Sinuata Total	2		2
692	Sellaphora Laevissima Total	2		2
758	Synedra Ulna Total	2	10	10
667	Gomphonema Parvulum Total	1	10	2
6304	Eolimna Minima Total		1	8
5071	Navicula Antonii Total		4	

Diatoms - South Boggy Creek			SBG @ W Dittmar (1081) 04/24/2012	SBG @ Bluff Spgs (227) 05/01/2012
PARAM_NO	PARAMETER	PTI		
2040	Achnantheidium Minutissimum Total	3	6	83
578	Amphora Cf. Normani Total	3		1
577	Amphora Montana Total	3	6	
581	Amphora Pediculus Total	3		17
611	Encyonema Silesiacum Total	3	2	
656	Gomphonema Affine Total	3	2	2
660	Gomphonema Clavatum Total	3	19	32
663	Gomphonema Gracile Total	3	4	
3872	Gomphonema Pumilum Total	3		1
1382	Navicula Cryptotenella Total	3	2	
742	Pinnularia Microstaureon Total	3		2
746	Reimeria Sinuata Total	3		1
747	Rhoicosphenia Curvata Total	3		43
568	Achnanthes Lanceolata Total	2		6
595	Cyclotella Meneghiniana Total	2	2	
610	Encyonema Minutum Total	2	1	
658	Gomphonema Angustatum Total	2		2
694	Navicula Trivialis Total	2	2	
726	Nitzschia Amphibia Total	2	401	211
988	Nitzschia Amphibioides Total	2		2
732	Nitzschia Frustulum Total	2		1
991	Nitzschia Inconspicua Total	2		36
758	Synedra Ulna Total	2		2
667	Gomphonema Parvulum Total	1	22	50
5329	Achnantheidium Biasolettianum Total		2	
6304	Eolimna Minima Total		29	
5071	Navicula Antonii Total			4

Diatoms - South Fork Dry Creek			SFD @ US183 (1215) 05/02/2012	SFD @ FM 812 (1216) 05/02/2012
PARAM_NO	PARAMETER	PTI		
642	Fragilaria Acus Total	4	15	
2150	Fragilaria Tenera Total	4	4	
1251	Synedra Nana Total	4	2	
2040	Achnantheidium Minutissimum Total	3	12	
575	Amphipleura Pellucida Total	3	50	
1412	Amphora Libyca Total	3		6
581	Amphora Pediculus Total	3		20
958	Aulacoseira Granulata Total	3		3
587	Caloneis Bacillum Total	3	8	9
1415	Caloneis Schumanniana Total	3	14	
592	Caloneis Silicula Total	3	1	2
594	Cocconeis Placentula Total	3		77
628	Diploneis Puella Total	3	4	9
611	Encyonema Silesiacum Total	3	143	13
613	Encyonema Triangulum Total	3	20	6
1429	Eunotia Bilunaris Total	3		2
656	Gomphonema Affine Total	3	40	4
660	Gomphonema Clavatum Total	3	26	7
663	Gomphonema Gracile Total	3	22	4
3872	Gomphonema Pumilum Total	3	14	4
687	Navicula Capitata V Hungarica Total	3		9
1382	Navicula Cryptotenella Total	3	1	
717	Navicula Kotschyi Total	3		2
733	Nitzschia Linearis Total	3	6	
1434	Nitzschia Recta Total	3		7
748	Rhopalodia Gibba Total	3	4	
568	Achnanthes Lanceolata Total	2		7
1168	Bacillaria Paradoxa Total	2		18
595	Cyclotella Meneghiniana Total	2	2	
615	Cymatopleura Solea Total	2		3
610	Encyonema Minutum Total	2	15	
1475	Navicula Recens Total	2	2	
694	Navicula Trivialis Total	2	14	1
718	Navicula Veneta Total	2	2	
726	Nitzschia Amphibia Total	2	2	158
1253	Nitzschia Clausii Total	2		87
991	Nitzschia Inconspicua Total	2	9	28
704	Sellaphora Pupula Total	2		1
1439	Surirella Brebissonii Total	2	2	1
758	Synedra Ulua Total	2	12	
729	Tryblionella Apiculata Total	2	2	7
735	Nitzschia Palea Total	1	10	
1403	Nitzschia Scalpelliformis Total	1	6	
737	Nitzschia Solita Total	1	2	
5329	Achnantheidium Biasolettianum Total		10	
6457	Cavinula Cocconeiformis Total		1	
5024	Nitzschia Gracilis Total		23	
5773	Tryblionella Debilis Total			3

Diatoms - Tannehill Branch			TAN @ Berkman (3858) 06/09/2011	TAN @ Lovell (843) 06/09/2011	TAN @ Desirable (1476) 06/16/2011
PARAM_NO	PARAMETER	PTI			
1412	Amphora Libyca Total	3	2	15	37
581	Amphora Pediculus Total	3			12
587	Caloneis Bacillum Total	3		2	6
1415	Caloneis Schumanniana Total	3			2
592	Caloneis Silicula Total	3		4	58
599	Cymbella Affinis Total	3			1
606	Cymbella Hustedtii Total	3		7	1
611	Encyonema Silesiacum Total	3		2	4
636	Epithemia Turgida Total	3	2	1	
1250	Eunotia Pectinalis Total	3	5	2	4
655	Gomphonema Acuminatum Total	3	4	3	
656	Gomphonema Affine Total	3		63	7
660	Gomphonema Clavatum Total	3	2		2
663	Gomphonema Gracile Total	3		2	1
1421	Gomphonema Grovei Total	3			1
970	Gomphonema Grovei V Lingulatum Total	3	26		
665	Gomphonema Intricatum V Vibrio Total	3		2	
670	Gomphonema Truncatum Total	3		6	8
674	Hantzschia Amphioxys Total	3	3		
1383	Navicula Decussis Total	3			4
707	Navicula Radiosa Total	3			11
733	Nitzschia Linearis Total	3			2
4335	Nitzschia Sinuata V Delognei Total	3		20	50
739	Pinnularia Gibba Total	3			13
742	Pinnularia Microstauron Total	3			21
1171	Pinnularia Sp.1 Total	3	6		
745	Pinnularia Viridis Total	3		1	2
746	Reimeria Sinuata Total	3		254	2
747	Rhoicosphenia Curvata Total	3	3		2
748	Rhopalodia Gibba Total	3			31
1497	Surirella Tenera Total	3			1
689	Craticula Cuspidata Total	2			15
615	Cymatopleura Solea Total	2			7
686	Diadesmis Confervacea Total	2			83
699	Luticola Mutica Total	2			4
974	Mastogloia Elliptica Total	2			1
1475	Navicula Recens Total	2			8
694	Navicula Trivialis Total	2			1
726	Nitzschia Amphibia Total	2		8	24
988	Nitzschia Amphibioides Total	2		2	2
738	Nitzschia Tropica Total	2			2
692	Sellaphora Laevissima Total	2			15
758	Synedra Ulna Total	2	10	101	30
667	Gomphonema Parvulum Total	1		2	
5301	Amphora Ovalis V Ovalis Total			3	1
6306	Aulacoseira Distans Total		7		
6307	Aulacoseira Sp. Total		1		
6311	Pinnularia Brevicostata Total				8
6312	Placoneis Subplacentula Total				4

Diatoms - Taylor Slough North			TYN @ Mayfield Pk (3969) 04/24/2012
PARAM_NO	PARAMETER	PTI	
2040	Achnantheidium Minutissimum Total	3	192
1412	Amphora Libyca Total	3	9
581	Amphora Pediculus Total	3	66
594	Cocconeis Placentula Total	3	10
611	Encyonema Silesiacum Total	3	2
1429	Eunotia Bilunaris Total	3	4
644	Fragilaria Capucina Total	3	2
681	Meridion Circulare Total	3	4
707	Navicula Radiosa Total	3	4
568	Achnanthes Lanceolata Total	2	16
610	Encyonema Minutum Total	2	2
658	Gomphonema Angustatum Total	2	18
1471	Melosira Varians Total	2	1
726	Nitzschia Amphibia Total	2	21
988	Nitzschia Amphibioides Total	2	2
991	Nitzschia Inconspicua Total	2	51
758	Synedra Ulna Total	2	7
729	Tryblionella Apiculata Total	2	8
667	Gomphonema Parvulum Total	1	10
6304	Eolimna Minima Total		1
5071	Navicula Antonii Total		14

Diatoms - Taylor Slough South			TYS @ Reed Pk (318) 04/24/2012
PARAM_NO	PARAMETER	PTI	
2040	Achnantheidium Minutissimum Total	3	21
1412	Amphora Libyca Total	3	5
581	Amphora Pediculus Total	3	40
587	Caloneis Bacillum Total	3	4
594	Cocconeis Placentula Total	3	14
611	Encyonema Silesiacum Total	3	3
670	Gomphonema Truncatum Total	3	8
688	Navicula Cryptocephala Total	3	2
707	Navicula Radiosa Total	3	2
712	Navicula Stroemii Total	3	1
568	Achnanthes Lanceolata Total	2	86
595	Cyclotella Meneghiniana Total	2	7
694	Navicula Trivialis Total	2	5
718	Navicula Veneta Total	2	2
726	Nitzschia Amphibia Total	2	15
988	Nitzschia Amphibioides Total	2	44
991	Nitzschia Inconspicua Total	2	14
758	Synedra Ulna Total	2	1
729	Tryblionella Apiculata Total	2	2
667	Gomphonema Parvulum Total	1	2
6304	Eolimna Minima Total		180
5071	Navicula Antonii Total		10

Diatoms - Turkey Creek			TRK @ City Pk (1221)
PARAM_NO	PARAMETER	PTI	04/25/2012
625	Diploneis Oblongella Total	4	14
567	Eucocconeis Flexella Total	4	1
2040	Achnantheidium Minutissimum Total	3	115
584	Brachysira Vitrea Total	3	113
587	Caloneis Bacillum Total	3	4
592	Caloneis Silicula Total	3	6
594	Cocconeis Placentula Total	3	2
628	Diploneis Puella Total	3	2
611	Encyonema Silesiacum Total	3	6
1429	Eunotia Bilunaris Total	3	4
1250	Eunotia Pectinalis Total	3	3
660	Gomphonema Clavatum Total	3	5
681	Meridion Circulare Total	3	3
712	Navicula Stroemii Total	3	32
610	Encyonema Minutum Total	2	2
658	Gomphonema Angustatum Total	2	67
726	Nitzschia Amphibia Total	2	4
988	Nitzschia Amphibioides Total	2	57
758	Synedra Ulua Total	2	46
5329	Achnantheidium Biasolettianum Total		6

Diatoms - Waller Creek			WLR @ 51st (780)	WLR @ 23rd	WLR ds Cesar
PARAM_NO	PARAMETER	PTI	06/09/2011	(624) 06/13/2011	Chavez (38) 06/13/2011
581	Amphora Pediculus Total	3			6
958	Aulacoseira Granulata Total	3	2		
593	Cocconeis Pediculus Total	3	1		
594	Cocconeis Placentula Total	3	2	1	312
606	Cymbella Hustedtii Total	3		1	
1250	Eunotia Pectinalis Total	3	2	1	2
656	Gomphonema Affine Total	3	8		2
1421	Gomphonema Grovei Total	3			20
970	Gomphonema Grovei V Lingulatum Total	3		2	
665	Gomphonema Intricatum V Vibrio Total	3	3		
674	Hantzschia Amphioxys Total	3	1	1	1
742	Pinnularia Microstauron Total	3	1		
746	Reimeria Sinuata Total	3		50	22
747	Rhoicosphenia Curvata Total	3		11	65
568	Achnanthes Lanceolata Total	2			4
689	Craticula Cuspidata Total	2		1	
595	Cyclotella Meneghiniana Total	2			1
686	Diademesia Confervacea Total	2			3
726	Nitzschia Amphibia Total	2			6
988	Nitzschia Amphibioides Total	2			2
1499	Pleurosira Laevis Total	2			23
758	Synedra Ulua Total	2	24	9	6
5301	Amphora Ovalis V Ovalis Total		1		1
6306	Aulacoseira Distans Total			21	
998	Terpsinoe Musica Total			18	20

Diatoms - Walnut Creek			WLN ds Metric (895) 06/09/2011	WLN ds IH35 (464) 06/09/2011	WLN @ Old Manor (502) 06/10/2011	WLN ds MLK (5302) 06/14/2011
PARAM_NO	PARAMETER	PTI				
600	Cymbella Amphicephala Total	4			2	
3200	Cymbella Prostrata Total	4				1
2040	Achnanthyrium Minutissimum Total	3			6	
1412	Amphora Libyca Total	3	9	13	22	
581	Amphora Pediculus Total	3	57	24		
587	Caloneis Bacillum Total	3			8	
1415	Caloneis Schumanniana Total	3			7	
593	Cocconeis Pediculus Total	3	5	7	3	
594	Cocconeis Placentula Total	3	19		4	
614	Cymatopleura Elliptica Total	3		1		
606	Cymbella Hustedtii Total	3		183		
608	Cymbella Laevis Total	3			3	
618	Denticula Kuetzingii Total	3	1		15	
611	Encyonema Silesiacum Total	3			30	
636	Epithemia Turgida Total	3		14		
1429	Eunotia Bilunaris Total	3			1	
651	Fragilaria Fasciculata Total	3			1	
655	Gomphonema Acuminatum Total	3	1			
656	Gomphonema Affine Total	3	22	24	77	3
660	Gomphonema Clavatum Total	3				1
663	Gomphonema Gracile Total	3			4	
1421	Gomphonema Grovei Total	3	17			
665	Gomphonema Intricatum V Vibrio Total	3			10	
3872	Gomphonema Pumilum Total	3			5	
670	Gomphonema Truncatum Total	3			5	
707	Navicula Radiosa Total	3		1	66	
712	Navicula Stroemii Total	3			2	
4335	Nitzschia Sinuata V Delognei Total	3	10	8	6	1
1435	Pinnularia Borealis Total	3		1		
746	Reimeria Sinuata Total	3	174	99	71	10
747	Rhoicosphenia Curvata Total	3	31	1		
748	Rhopalodia Gibba Total	3			3	
686	Diadesmis Confervacea Total	2			8	
658	Gomphonema Angustatum Total	2			2	
1475	Navicula Recens Total	2			1	
726	Nitzschia Amphibia Total	2		4	2	
758	Synedra Ulna Total	2	27	10	107	3
667	Gomphonema Parvulum Total	1			18	
5301	Amphora Ovalis V Ovalis Total		39	77	4	
6306	Aulacoseira Distans Total					2
5134	Cymbella Excisa Total				7	
4866	Cymbella Tumida Total			1		

Diatoms - West Bouldin Creek			WBO @ Oltorf (3854) 06/08/2011
PARAM_NO	PARAMETER	PTI	
581	Amphora Pediculus Total	3	4
594	Cocconeis Placentula Total	3	51
606	Cymbella Hustedtii Total	3	3
636	Epithemia Turgida Total	3	7
1250	Eunotia Pectinalis Total	3	1
655	Gomphonema Acuminatum Total	3	1
656	Gomphonema Affine Total	3	22
665	Gomphonema Intricatum V Vibrio Total	3	3
747	Rhoicosphenia Curvata Total	3	398
689	Craticula Cuspidata Total	2	1
1471	Melosira Varians Total	2	1
726	Nitzschia Amphibia Total	2	1
758	Synedra Ulna Total	2	4
5301	Amphora Ovalis V Ovalis Total		1
6305	Anomoeoneis Costata Total		1
3020	Cymbella Richness		1

Diatoms - West Bull Creek			WBL @ Bell Mt (148) 05/04/2012	WBL us BUL (343) 04/26/2012
PARAM_NO	PARAMETER	PTI		
625	Diploneis Oblongella Total	4	16	
642	Fragilaria Acus Total	4	4	
2040	Achnantheidium Minutissimum Total	3	38	236
584	Brachysira Vitrea Total	3	48	9
587	Caloneis Bacillum Total	3		2
2047	Encyonema Evergladianum Total	3	6	56
609	Encyonopsis Microcephala Total	3		4
1429	Eunotia Bilunaris Total	3	2	
644	Fragilaria Capucina Total	3		6
3872	Gomphonema Pumilum Total	3	8	
1382	Navicula Cryptotenella Total	3	3	2
707	Navicula Radiosa Total	3	1	
712	Navicula Stroemii Total	3		10
658	Gomphonema Angustatum Total	2	21	4
974	Mastogloia Elliptica Total	2		2
714	Navicula Subminiscula Total	2	1	
726	Nitzschia Amphibia Total	2		4
988	Nitzschia Amphibioides Total	2	276	126
692	Sellaphora Laevissima Total	2	1	
758	Synedra Ulna Total	2	20	
5329	Achnantheidium Biasolettianum Total		55	37

Diatoms - Williamson Creek			PTI	WMS @ Mckinney Falls (223) 06/14/2011
PARAM_NO	PARAMETER			
2040	Achnanthidium Minutissimum Total	3		8
1412	Amphora Libyca Total	3		4
581	Amphora Pediculus Total	3		2
587	Caloneis Bacillum Total	3		4
1415	Caloneis Schumanniana Total	3		2
593	Cocconeis Pediculus Total	3		8
606	Cymbella Hustedtii Total	3		2
618	Denticula Kuetzingii Total	3		65
611	Encyonema Silesiacum Total	3		6
613	Encyonema Triangulum Total	3		3
1250	Eunotia Pectinalis Total	3		2
644	Fragilaria Capucina Total	3		26
651	Fragilaria Fasciculata Total	3		1
655	Gomphonema Acuminatum Total	3		2
656	Gomphonema Affine Total	3		30
665	Gomphonema Intricatum V Vibrio Total	3		2
670	Gomphonema Truncatum Total	3		20
707	Navicula Radiosa Total	3		14
4335	Nitzschia Sinuata V Delognei Total	3		31
2053	Placoneis Placentula Total	3		1
746	Reimeria Sinuata Total	3		28
568	Achnanthes Lanceolata Total	2		1
615	Cymatopleura Solea Total	2		1
686	Diadomesis Confervacea Total	2		133
1472	Navicula Sanctaecrucis Total	2		1
726	Nitzschia Amphibia Total	2		60
988	Nitzschia Amphibioides Total	2		2
758	Synedra Ulna Total	2		29
667	Gomphonema Parvulum Total	1		6

Appendix C:

Data Summary Tables* by Watershed 2011-2012 EII

2011 Watersheds	Page	2012 Watersheds	Page
Barton Creek	C-2	Bear Creek	C-11
Blunn Creek	C-3	Bear West (Lake Austin)	C-11
Boggy (N) Creek	C-3	Bee Creek	C-11
Buttermilk Branch	C-4	Bull Creek	C-12
Country Club West	C-4	Carson Creek	C-12
Decker Creek	C-4	Commons Ford (Lake Austin)	C-13
East Bouldin	C-5	Cottonmouth Creek	C-13
Fort Branch	C-5	Cuernavaca (Lake Austin)	C-13
Gilleland Creek	C-6	Dry Creek East	C-13
Harper's Branch	C-6	Dry Creek North	C-13
Harris Branch	C-7	Eanes Creek	C-14
Little Walnut Creek	C-7	Lake Creek	C-14
Shoal Creek	C-8	Little Barton Creek	C-14
Tannehill Branch	C-8	Little Bear Creek	C-15
Waller Creek	C-9	Marble Creek	C-15
Walnut Creek	C-9	North Fork Dry	C-15
West Bouldin Creek	C-10	Onion Creek	C-16
Williamson Creek	C-10	Panther Hollow (Lake Austin)	C-16
		Rinard Creek	C-17
		Running Deer (Lake Austin)	C-17
		Slaughter Creek	C-17
		South Boggy Creek	C-18
		South Fork Dry	C-18
		Taylor Slough North	C-18
		Turkey Creek (Lake Austin)	C-18
		West Bull Creek	C-19

* Cells that are highlighted in orange in the following Data Summary Table indicate that the value

	2011-2012 average	1 STDEV above		1 STDEV below
Conductivity (uS/cm)	748.1	1028.0		
D.O. (mg/l)	7.8	10.4	or	5.1
E.Coli. (col/100ml)	287.3	822.9		
NH3-M (mg/l)	0.028	0.078		
NO3-N (mg/l)	1.579	4.828		
Ortho-P (mg/l)	0.073	0.238		
pH (Standard units)	7.9	8.2	or	7.5
TSS (mg/l)	4.2	11.6		
Turbidity (NTU)	4.6	11.6		
Temperature(C°)	19.6	26.2		

Qualifiers to the left of value:	>	greater than	Qualifiers to the right of value:	(blank)	Useable
	<	less than		S	Exceeds standard range
	<J	less than detection limit		R	Rejected, failed QC
	J	Estimated			

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
Barton Creek													
Barton	879	BAR1	12/01/2010	651.0	8.3	11	<J 0.008	1.870	<J 0.004	7.43	1.2	0.930	18.3
Barton	879	BAR1	03/23/2011	633.0	3.5	5	0.143	0.399	<J 0.004	7.53	7.7	.	20.6
Barton	879	BAR1	06/07/2011	529.0	4.6	775	J 0.015	<J 0.008	J 0.008	8.19	18.6	18.960	27.9
SITE MEAN				604.3	5.5	264	0.055	0.759	0.005	7.72	9.2	9.945	22.3
Barton	51	BAR2	12/01/2010	651.3	10.1	20	<J 0.008	0.165	<J 0.004	8.01	<J 1.0	0.220	12.6
Barton	51	BAR2	03/23/2011	696.0	6.7	141	J 0.010	0.056	<J 0.004	7.95	1.2	.	22.9
Barton	51	BAR2	06/07/2011	773.0	6.4	54	0.055	J 0.017	<J 0.004	7.86	1.6	24.070	29.0
SITE MEAN				706.8	7.7	72	0.024	0.079	0.004	7.94	1.3	12.145	21.5
Barton	50	BAR3	12/01/2010	600.1	9.7	15	<J 0.008	0.062	<J 0.004	7.98	<J 1.0	1.110	13.5
Barton	50	BAR3	03/23/2011	631.0	7.2	8	<J 0.008	0.076	<J 0.004	8.00	<J 1.0	.	22.4
Barton	50	BAR3	06/07/2011	713.0	7.1	22	<J 0.008	0.108	0.020	7.66	<J 1.1	0.640	29.7
SITE MEAN				648.0	8.0	15	0.008	0.082	0.009	7.88	1.0	0.875	21.9
Barton	48	BAR4	12/01/2010	595.5	10.2	9	<J 0.008	0.041	<J 0.004	8.00	<J 1.0	0.220	12.3
Barton	48	BAR4	03/23/2011	632.0	8.7	16	<J 0.008	J 0.011	<J 0.004	8.07	1.9	.	21.8
Barton	48	BAR4	06/07/2011	675.0	7.5	65	J 0.009	<J 0.008	<J 0.004	8.02	<J 1.0	0.830	28.7
Barton	48	BAR4	09/21/2011	652.1	5.7	11	J 0.009	0.026	<J 0.004	7.91	4.0	. R	23.2
SITE MEAN				638.7	8.0	25	0.009	0.022	0.004	8.00	2.0	0.525	21.5
Barton	46	BAR5	12/01/2010	601.4	9.5	20	<J 0.008	<J 0.008	<J 0.004	7.96	<J 1.0	0.310	13.1
Barton	46	BAR5	03/23/2011	612.0	6.8	55	<J 0.008	<J 0.008	<J 0.004	7.93	<J 1.0	.	20.8
Barton	46	BAR5	06/07/2011	685.0	3.6	27	<J 0.008	<J 0.008	<J 0.004	7.57	<J 1.0	3.030	27.1
SITE MEAN				632.8	6.6	34	0.008	0.008	0.004	7.82	1.0	1.670	20.4
Barton	44	BAR6	12/01/2010	584.3	8.2	11	<J 0.008	<J 0.008	<J 0.004	7.63	3.0	0.750	12.4
Barton	44	BAR6	03/23/2011	583.0	5.5	79	<J 0.008	<J 0.008	<J 0.004	7.68	7.8	.	20.0
Barton	44	BAR6	06/07/2011	626.0	4.3	290	<J 0.008	<J 0.008	<J 0.004	7.52	24.9	4.740	26.2
SITE MEAN				597.8	6.0	127	0.008	0.008	0.004	7.61	11.9	2.745	19.5
WATERSHED MEAN				638.1	7.0	86	0.018	0.152	0.005	7.84	4.3	4.651	21.2

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
Blunn Creek													
Blunn	180	BLU1	12/01/2010	875.0	5.1	5	0.202	<J 0.008	0.140	7.51	1.0	4.020	12.5
Blunn	180	BLU1	03/23/2011	1302.0	3.1	. R	0.019	<J 0.008	0.090	7.44	2.4	5.520	20.2
SITE MEAN				1088.5	4.1	5	0.111	0.008	0.115	7.48	1.7	4.770	16.3
Blunn	364	BLU2	12/01/2010	734.0	6.3	119	0.008	0.340	0.070	7.67	0.5	3.310	12.0
Blunn	364	BLU2	03/23/2011	709.0	5.1	. R	0.010	0.362	0.060	7.62	< 0.5	3.810	20.1
SITE MEAN				721.5	5.7	119	0.009	0.351	0.065	7.65	0.5	3.560	16.0
Blunn	362	BLU3	12/01/2010	709.0	10.7	71	0.009	0.104	0.070	7.90	1.2	0.980	9.2
Blunn	362	BLU3	03/23/2011	704.0	5.3	. R	0.017	0.578	0.160	7.75	8.5	5.940	20.0
Blunn	362	BLU3	06/07/2011	696.0	6.9	461	0.033	0.720	0.060	7.82	< 0.5	1.520	24.6
SITE MEAN				703.0	7.6	266	0.020	0.467	0.097	7.82	3.4	2.813	18.0
WATERSHED MEAN				818.4	6.1	164	0.043	0.303	0.093	7.67	2.1	3.586	16.9
Boggy (N) Creek													
Boggy (N)	493	BOG1	03/23/2011	619.0	11.4 R	. R	<J 0.008	<J 0.008	0.080	8.27	6.3	10.660	29.9
SITE MEAN				619.0	11.4	.	0.008	0.008	0.080	8.27	6.3	10.660	29.9
Boggy (N)	837	BOG2	12/01/2010	709.0	8.3	155	J 0.012	0.036	0.140	7.64	0.6	6.460	12.1
Boggy (N)	837	BOG2	03/23/2011	728.0	10.7	. R	<J 0.008	0.057	0.150	8.08	2.9	4.280	23.2
Boggy (N)	837	BOG2	06/07/2011	532.0	14.9	2420	0.028	<J 0.008	0.180	8.64	< 0.5	1.150	31.8
Boggy (N)	837	BOG2	09/21/2011	570.0	6.0	1733	0.022	J 0.009	. R	7.57	. R	. R	21.8
SITE MEAN				634.8	10.0	1436	0.018	0.028	0.157	7.98	1.3	3.963	22.2
Boggy (N)	2754	BOG3	12/01/2010	784.0	5.8	178	<J 0.008	<J 0.008	0.130	7.29	0.3	0.810	9.7
Boggy (N)	2754	BOG3	03/23/2011	805.2	3.3	. R	0.031	0.056	0.160	7.44	< 0.5	1.410	19.5
Boggy (N)	2754	BOG3	06/07/2011	545.9	5.6	2420	0.024	0.089	0.110	7.56	2.4	2.890	24.0
Boggy (N)	2754	BOG3	09/21/2011	639.0	4.3	> 2420	0.027	J 0.013	. R	8.01	. R	. R	23.4
SITE MEAN				693.5	4.7	1672	0.023	0.042	0.133	7.58	1.1	1.703	19.1
WATERSHED MEAN				659.1	7.8	1554	0.019	0.032	0.136	7.83	1.9	3.951	21.7

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
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Buttermilk Branch

Buttermilk	851	BMK1	12/01/2010	631.0	11.5	238	J	0.008	0.282	0.060	7.96	< 0.5	2.490	12.4
Buttermilk	851	BMK1	03/23/2011	605.4	12.1	. R	J	0.013	0.195	0.040	8.15	< 0.5	1.400	25.2
Buttermilk	851	BMK1	06/07/2011	449.0	11.0	1046		0.033	0.044	0.020	8.48	1.4	2.530	30.6
Buttermilk	851	BMK1	09/21/2011	620.4	5.8	219	J	0.009	<J 0.008	. R	7.83	. R	. R	30.8
SITE MEAN				576.5	10.1	501		0.016	0.132	0.040	8.11	0.8	2.140	24.7
Buttermilk	3861	BMK3	12/01/2010	733.1	4.1	387	J	0.013	2.410	0.070	7.55	1.1	3.630	14.9
Buttermilk	3861	BMK3	03/23/2011	750.5	7.7	. R	J	0.014	1.960	0.110	7.38	< 0.5	1.100	24.5
SITE MEAN				741.8	5.9	387		0.014	2.185	0.090	7.47	0.8	2.365	19.7
WATERSHED MEAN				631.6	8.7	473		0.015	0.817	0.060	7.89	0.8	2.230	23.0

Country Club West

Country Club West	850	CCW2	12/01/2010	639.0	10.7	40		0.034	J 0.012	0.110	7.94	1.5	2.980	7.8
Country Club West	850	CCW2	03/23/2011	669.0	7.4	. R		0.029	J 0.019	0.110	7.86	16.5	7.740	19.9
Country Club West	850	CCW2	06/07/2011	611.0	6.2	579		0.040	J 0.014	0.120	7.61	2.7	3.660	26.5
SITE MEAN				639.7	8.1	310		0.034	0.015	0.113	7.80	6.9	4.793	18.1
WATERSHED MEAN				639.7	8.1	310		0.034	0.015	0.113	7.80	6.9	4.793	18.1

Decker Creek

Decker	1974	DKR1	12/01/2010	802.8	7.9	48	<J	0.008	<J 0.008	0.050	8.03	18.8	23.960	11.3
Decker	1974	DKR1	03/23/2011	879.2	6.3	. R		0.031	0.020	0.070	8.05	20.7	20.680	24.7
Decker	1974	DKR1	06/07/2011	831.9	6.3	6		0.045	J 0.012	0.110	8.01	36.4	26.920	30.2
Decker	1974	DKR1	09/21/2011	872.0	.	5	J	0.015	J 0.010	. R	7.80	. R	. R	26.9
SITE MEAN				846.5	6.8	20		0.025	0.013	0.077	7.97	25.3	23.853	23.3
WATERSHED MEAN				846.5	6.8	20		0.025	0.013	0.077	7.97	25.3	23.853	23.3

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
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East Bouldin

East Bouldin	1338	EBO1	12/01/2010	766.9	1.0	435	0.083	<J 0.008	0.130	7.28	2.7	7.090	12.5
East Bouldin	1338	EBO1	03/23/2011	813.0	2.9	. R	J 0.011	<J 0.008	0.100	7.47	4.8	2.150	19.5
SITE MEAN				790.0	1.9	435	0.047	0.008	0.115	7.38	3.8	4.620	16.0
East Bouldin	119	EBO2	12/01/2010	889.0	6.8	41	0.036	<J 0.008	0.130	7.66	2.4	6.650	11.2
East Bouldin	119	EBO2	03/23/2011	862.0	2.7	. R	0.119	<J 0.040	0.140	7.55	6.1	1.550	20.0
East Bouldin	119	EBO2	06/07/2011	585.0	6.4	> 2420	0.320	<J 0.008	0.280	7.84	1.8	2.490	26.1
SITE MEAN				778.7	5.3	1230	0.158	0.019	0.183	7.68	3.4	3.563	19.1
WATERSHED MEAN				783.2	3.9	965	0.114	0.014	0.156	7.56	3.6	3.986	17.9

Fort Branch

Fort Branch	126	FOR4	12/01/2010	533.6	4.7	461	J 0.008	<J 0.008	0.110	7.79	< 0.5	4.600	9.1
Fort Branch	126	FOR4	03/23/2011	727.3	4.3	. R	<J 0.008	<J 0.008	0.100	7.47	3.1	3.720	20.0
SITE MEAN				630.5	4.5	461	0.008	0.008	0.105	7.63	1.8	4.160	14.5
WATERSHED MEAN				630.5	4.5	461	0.008	0.008	0.105	7.63	1.8	4.160	14.5

Watershed	Site	Reach	Date	<> Cond. value flag	<> D.O. value flag	<> E.coli value flag	<> NH3-N value flag	<> NO3/NO2 value flag	<> OrthoP value flag	<> pH value flag	<> TSS value flag	<> Turb. value flag	<> Temp. value flag	
Gilleland Creek														
Gilleland	886	GIL1	12/01/2010	1337.0	8.7	86	J	0.009	9.650	0.150	8.11	1.3	7.930	10.0
Gilleland	886	GIL1	03/23/2011	1208.0	8.5	. R		0.054	8.790	0.200	8.31	11.7	10.500	21.9
Gilleland	886	GIL1	06/07/2011	1412.0	9.1	194		0.028	11.000	0.150	8.34	17.3	8.030	26.1
Gilleland	886	GIL1	09/21/2011	1530.0	.	214	J	0.010	14.700	. R	8.14	. R	. R	24.2
SITE MEAN				1371.8	8.8	165		0.025	11.035	0.167	8.23	10.1	8.820	20.6
Gilleland	1192	GIL2	12/01/2010	1339.0	8.3	17		0.020	11.500	0.190	8.02	3.7	12.980	11.7
Gilleland	1192	GIL2	03/23/2011	1210.0	7.3	. R		0.068	9.860	0.280	8.15	25.4	22.620	21.7
Gilleland	1192	GIL2	06/07/2011	1379.0	7.8	44		0.043	13.300	0.230	8.11	34.8	12.760	26.0
Gilleland	1192	GIL2	09/21/2011	1510.0	.	25		0.021	19.700	. R	8.20	. R	. R	24.5
SITE MEAN				1359.5	7.8	29		0.038	13.590	0.233	8.12	21.3	16.120	21.0
Gilleland	1191	GIL3	12/01/2010	1266.0	8.3	61	<J	0.008	9.680	0.260	8.14	1.5	4.430	10.3
Gilleland	1191	GIL3	03/23/2011	1218.0	7.9	. R		0.069	8.900	0.260	8.19	20.8	7.880	21.1
Gilleland	1191	GIL3	06/07/2011	1321.0	8.1	308		0.146	14.100	0.320	8.27	12.9	16.890	26.6
Gilleland	1191	GIL3	09/21/2011	1520.0	.	62	J	0.014	19.800	. R	8.04	. R	. R	23.4
SITE MEAN				1331.3	8.1	144		0.059	13.120	0.280	8.16	11.7	9.733	20.4
Gilleland	1194	GIL4	03/23/2011	494.8	5.7	. R		0.028	<J 0.016	0.070	7.95	69.0	41.450	20.1
SITE MEAN				494.8	5.7	.		0.028	0.016	0.070	7.95	69.0	41.450	20.1
Gilleland	1914	GIL5	12/01/2010	1401.0	8.2	53	J	0.018	10.400	0.170	7.96	0.6	8.900	12.1
Gilleland	1914	GIL5	03/23/2011	1289.0	7.2	. R		0.077	11.400	0.200	7.97	15.5	53.260	20.8
Gilleland	1914	GIL5	06/07/2011	1403.0	6.4	214		0.034	13.600	0.300	7.99	11.9	8.400	25.2
Gilleland	1914	GIL5	09/21/2011	1500.0	.	308	J	0.018	17.000	. R	7.92	. R	. R	22.9
SITE MEAN				1398.3	7.3	192		0.037	13.100	0.223	7.96	9.3	23.520	20.2
Gilleland	1193	GIL6	12/01/2010	1252.0	8.3	207	J	0.009	1.890	0.050	8.03	2.1	5.980	12.3
Gilleland	1193	GIL6	03/23/2011	1251.0	7.2	. R		0.041	4.260	0.080	7.78	1.6	1.710	20.6
Gilleland	1193	GIL6	06/07/2011	1407.0	6.8	613		0.033	1.830	0.060	8.07	2.7	1.410	26.6
Gilleland	1193	GIL6	09/21/2011	1388.0	.	91		0.024	4.140	. R	8.06	. R	. R	24.9
SITE MEAN				1324.5	7.4	304		0.027	3.030	0.063	7.99	2.1	3.033	21.1
WATERSHED MEAN				1316.0	7.7	166		0.037	10.263	0.186	8.08	14.6	14.071	20.6
Harper's Branch														
Harper's Branch	844	HRP1	12/01/2010	845.0	3.1	74	J	0.015	0.866	0.090	7.48	15.5	11.470	13.9
Harper's Branch	844	HRP1	03/23/2011	871.0	2.9	. R		0.049	0.666	0.100	7.51	4.4	13.520	20.3
SITE MEAN				858.0	3.0	74		0.032	0.766	0.095	7.50	10.0	12.495	17.1
WATERSHED MEAN				858.0	3.0	74		0.032	0.766	0.095	7.50	10.0	12.495	17.1

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
Harris Branch													
Harris Branch	1201	HRS1	12/01/2010	745.3	8.3	45	0.153	9.440	0.770	7.65	5.1	7.920	13.5
Harris Branch	1201	HRS1	03/23/2011	861.0	6.5	. R	0.073	7.440	0.900	8.05	16.4	18.610	21.1
Harris Branch	1201	HRS1	06/07/2011	896.0	6.4	> 2420	0.071	13.000	0.900	7.73	7.2	9.830	25.4
Harris Branch	1201	HRS1	09/21/2011	749.0	.	411	0.077	14.300	. R	7.53	. R	.	24.8
SITE MEAN				812.8	7.1	958	0.094	11.045	0.857	7.74	9.6	12.120	21.2
Harris Branch	1199	HRS2	12/01/2010	709.4	8.1	111	<J 0.008	2.760	0.040	7.72	1.1	1.100	10.4
Harris Branch	1199	HRS2	03/23/2011	706.7	7.3	. R	0.065	1.750	0.060	7.80	2.9	2.080	20.0
SITE MEAN				708.1	7.7	111	0.037	2.255	0.050	7.76	2.0	1.590	15.2
WATERSHED MEAN				777.9	7.3	746	0.075	8.115	0.534	7.75	6.6	7.908	19.2
Little Walnut Creek													
Little Walnut	634	LWA1	12/01/2010	541.2	11.2	39	<J 0.008	<J 0.008	0.040	8.13	1.1	3.800	13.2
Little Walnut	634	LWA1	03/23/2011	458.8	9.7	. R	<J 0.008	<J 0.008	0.080	8.26	7.4	12.540	25.0
Little Walnut	634	LWA1	06/07/2011	480.8	13.1	66	J 0.013	J 0.013	0.120	8.19	4.9	5.760	29.8
Little Walnut	634	LWA1	09/21/2011	407.8	7.3	17	0.027	J 0.019	. R	8.75	. R	. R	24.9
SITE MEAN				472.2	10.3	41	0.014	0.012	0.080	8.33	4.5	7.370	23.2
Little Walnut	3857	LWA2	12/01/2010	708.2	10.0	38	J 0.014	0.750	0.030	7.82	0.9	2.440	12.3
Little Walnut	3857	LWA2	03/23/2011	633.3	8.7	. R	0.031	0.357	0.040	7.79	1.4	2.080	22.2
Little Walnut	3857	LWA2	06/07/2011	581.9	9.3	816	0.040	0.324	0.060	7.82	2.1	0.940	28.3
Little Walnut	3857	LWA2	09/21/2011	630.0	8.3	23	0.025	0.560	. R	8.24	. R	. R	27.5
SITE MEAN				638.4	9.1	293	0.028	0.498	0.043	7.92	1.5	1.820	22.6
Little Walnut	3860	LWA3	12/01/2010	695.1	12.5	40	J 0.012	0.299	0.040	7.91	0.2	1.080	13.3
Little Walnut	3860	LWA3	03/23/2011	596.6	12.3	. R	<J 0.008	0.026	0.030	8.05	1.3	0.900	24.3
Little Walnut	3860	LWA3	06/07/2011	507.2	13.2	461	0.026	<J 0.008	0.030	8.21	< 0.5	1.150	32.1
SITE MEAN				599.6	12.7	251	0.015	0.111	0.033	8.06	0.7	1.040	23.2
Little Walnut	838	LWA4	12/01/2010	610.4	8.2	1300	J J 0.011	<J 0.008	0.120	7.89	9.5	5.100	13.1
Little Walnut	838	LWA4	03/23/2011	576.0	10.7	. R	J J 0.008	<J 0.008	0.040	8.14	1.1	2.600	23.8
SITE MEAN				593.2	9.4	1300	0.01	0.008	0.080	8.02	5.3	3.850	18.4
WATERSHED MEAN				571.3	10.3	311	0.018	0.184	0.057	8.09	2.8	3.490	22.3

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
Shoal Creek													
Shoal	122	SHL1	12/01/2010	728.0	7.5	> 2420	0.178	1.680	0.280	7.61	4.7	9.300	11.6
Shoal	122	SHL1	03/23/2011	682.0	5.0	. R	0.207	0.975	0.250	7.84	1.2	2.900	20.8
Shoal	122	SHL1	06/07/2011	681.0	6.0	1414	0.148	0.832	0.380	7.98	< 0.5	1.880	25.5
Shoal	122	SHL1	09/21/2011	568.0	5.1	> 2420	0.242	1.030	. R	7.63	. R	. R	25.9
SITE MEAN				664.8	5.9	2168	0.194	1.129	0.303	7.77	2.2	4.690	21.0
Shoal	116	SHL2	12/01/2010	1081.0	16.0	2420	J 0.017	0.223	0.060	8.09	0.6	5.560	10.8
Shoal	116	SHL2	03/23/2011	1021.0	14.1	. R	J 0.012	0.067	0.040	8.21	1.8	2.000	24.8
Shoal	116	SHL2	06/07/2011	869.0	13.3	143	J 0.015	0.346	0.020	8.40	< 0.5	1.410	32.5
Shoal	116	SHL2	09/21/2011	1431.0	7.4	36	<J 0.008	<J 0.008	. R	7.71	. R	. R	24.0
SITE MEAN				1100.5	12.7	866	0.013	0.161	0.040	8.10	1.0	2.990	23.0
Shoal	117	SHL3	12/01/2010	554.8	8.1	39	<J 0.008	<J 0.008	0.040	7.81	0.2	2.940	7.0
Shoal	117	SHL3	03/23/2011	634.9	6.0	. R	J 0.019	0.163	0.080	7.64	< 0.5	3.520	20.5
SITE MEAN				594.9	7.1	39	0.014	0.086	0.060	7.73	0.4	3.230	13.7
Shoal	118	SHL4	03/23/2011	620.8	9.1	. R	<J 0.008	<J 0.008	0.030	7.81	0.6	1.310	21.6
SITE MEAN				620.8	9.1	.	0.008	0.008	0.030	7.81	0.6	1.310	21.6
WATERSHED MEAN				806.5	8.9	1414	0.078	0.485	0.131	7.88	1.2	3.420	20.4
Tannehill Branch													
Tannehill Branch	1476	TAN1	12/01/2010	586.0	6.9	79	J 0.012	<J 0.008	0.050	7.52	2.1	2.620	13.0
Tannehill Branch	1476	TAN1	03/23/2011	511.0	5.4	. R	J 0.011	<J 0.008	0.060	7.91	4.0	2.360	24.0
SITE MEAN				548.5	6.1	79	0.012	0.008	0.055	7.72	3.1	2.490	18.5
Tannehill Branch	843	TAN2	12/01/2010	747.3	9.6	58	<J 0.008	J 0.018	0.060	7.59	2.5	3.220	9.9
Tannehill Branch	843	TAN2	03/23/2011	722.5	7.0	. R	<J 0.008	0.021	0.080	7.70	< 0.5	1.840	20.1
Tannehill Branch	843	TAN2	06/07/2011	573.0	6.6	65	J 0.008	J 0.019	0.070	7.94	< 0.5	0.900	26.3
SITE MEAN				680.9	7.8	61	0.008	0.019	0.070	7.74	1.2	1.990	18.8
Tannehill Branch	3858	TAN3	12/01/2010	695.8	5.1	17	<J 0.008	<J 0.008	0.060	7.73	1.3	3.650	5.8
Tannehill Branch	3858	TAN3	03/23/2011	820.8	2.5	. R	<J 0.008	<J 0.008	0.090	7.45	2.4	1.940	19.5
SITE MEAN				758.3	3.8	17	0.008	0.008	0.075	7.59	1.9	2.800	12.6
WATERSHED MEAN				665.2	6.2	55	0.009	0.013	0.067	7.69	1.9	2.360	17.0

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
Waller Creek													
Waller	38	WLR1	12/01/2010	968.0	9.3	687	0.032	0.320	0.290	7.80	0.2	1.400	10.8
Waller	38	WLR1	03/23/2011	803.0	3.9	. R	0.459	0.069	0.230	7.32	< 0.5	1.120	20.2
Waller	38	WLR1	06/07/2011	599.0	4.2	387	0.240	0.053	0.180	8.09	< 0.5	1.000	26.5
Waller	38	WLR1	09/21/2011	718.0	4.1	159	0.063	0.078	. R	7.53	. R	. R	24.6
SITE MEAN				772.0	5.4	411	0.199	0.130	0.233	7.69	0.4	1.170	20.5
Waller	624	WLR2	12/01/2010	1000.0	9.0	727	J 0.014	0.415	0.190	7.67	< 0.5	4.600	10.9
Waller	624	WLR2	03/23/2011	919.0	6.7	. R	0.072	0.282	0.220	7.78	2.2	2.050	21.3
Waller	624	WLR2	06/07/2011	718.0	6.9	548	0.047	0.254	0.270	8.09	0.9	6.750	26.2
Waller	624	WLR2	09/21/2011	1059.0	4.6	365	J 0.008	0.080	. R	7.61	. R	. R	24.8
SITE MEAN				924.0	6.8	547	0.035	0.258	0.227	7.79	1.2	4.470	20.8
Waller	780	WLR3	12/01/2010	730.9	8.0	866	<J 0.008	<J 0.008	0.090	7.76	< 0.5	3.530	9.0
Waller	780	WLR3	03/23/2011	714.3	6.8	. R	<J 0.008	0.026	0.170	7.96	1.9	7.180	19.8
SITE MEAN				722.6	7.4	866	0.008	0.017	0.130	7.86	1.2	5.360	14.4
WATERSHED MEAN				822.9	6.4	534	0.095	0.159	0.205	7.76	0.9	3.450	19.4

Walnut Creek

Walnut	503	WLN1	03/23/2011	529.0	9.4	45	<J 0.008	<J 0.008	<J 0.004	8.16	6.4	.	25.0
SITE MEAN				529.0	9.4	45	0.008	0.008	0.004	8.16	6.4	.	25.0
Walnut	502	WLN2	12/01/2010	670.2	9.4	3	<J 0.008	0.262	<J 0.004	7.73	<J 1.1	1.380	12.6
Walnut	502	WLN2	03/23/2011	561.7	7.3	41	J 0.009	0.128	<J 0.004	7.72	5.8	.	21.9
Walnut	502	WLN2	06/07/2011	532.1	2.6	1	J 0.014	<J 0.008	J 0.010	7.39	<J 1.0	0.590	27.8
SITE MEAN				588.0	6.4	15	0.01	0.133	0.006	7.61	2.6	0.990	20.8
Walnut	464	WLN3	12/01/2010	588.2	9.5	18	<J 0.008	<J 0.008	<J 0.004	7.84	<J 1.0	0.450	7.2
Walnut	464	WLN3	03/23/2011	557.8	6.4	225	<J 0.008	0.032	<J 0.004	7.65	1.4	.	19.8
SITE MEAN				573.0	8.0	122	0.008	0.020	0.004	7.75	1.2	0.450	13.5
Walnut	895	WLN4	12/01/2010	673.6	7.5	122	<J 0.008	1.070	<J 0.004	7.48	<J 1.0	0.420	12.6
Walnut	895	WLN4	03/23/2011	633.5	6.1	> 2420	<J 0.008	0.675	<J 0.004	7.03	2.3	.	19.7
Walnut	895	WLN4	06/07/2011	460.4	11.1	613	J 0.014	1.000	<J 0.004	8.10	2.4	1.030	28.5
Walnut	895	WLN4	09/21/2011	527.0	.	153	0.033	0.594	<J 0.004	7.93	8.1	. R	24.5
SITE MEAN				573.6	8.3	827	0.016	0.835	0.004	7.64	3.5	0.730	21.3
Walnut	463	WLN5	12/01/2010	639.5	8.3	32	<J 0.008	<J 0.008	0.020	7.93	0.2	7.320	9.7
Walnut	463	WLN5	03/23/2011	579.5	4.8	. R	J 0.016	0.032	0.040	7.42	< 0.5	1.410	20.3
Walnut	463	WLN5	06/07/2011	479.1	8.2	73	0.059	<J 0.008	0.090	8.19	< 0.5	2.210	25.5
SITE MEAN				566.0	7.1	53	0.028	0.016	0.050	7.85	0.4	3.650	18.5
WATERSHED MEAN				571.7	7.6	312	0.015	0.295	0.015	7.74	2.4	1.850	19.6

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
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West Bouldin Creek

West Bouldin	3854	WBO2	12/01/2010	593.0	12.9	260		0.031	0.287	0.160	8.09	0.3	1.890	13.3
West Bouldin	3854	WBO2	03/23/2011	666.0	9.5	. R		0.033	0.158	0.110	8.13	< 0.5	1.540	21.7
West Bouldin	3854	WBO2	06/07/2011	411.0	7.4	> 2420		0.045	0.431	0.230	8.36	1.4	9.130	26.2
West Bouldin	3854	WBO2	09/21/2011	386.0	4.2	461		0.112	0.353	. R	7.13	. R	. R	26.7
SITE MEAN				514.0	8.5	1047		0.055	0.307	0.167	7.93	0.7	4.190	22.0
West Bouldin	3856	WBO3	12/01/2010	820.0	11.7	11	<J	0.008	<J	0.008	8.06	1.8	12.260	15.6
West Bouldin	3856	WBO3	03/23/2011	786.0	10.5	. R	<J	0.008	0.056	0.080	7.89	1.3	2.360	28.9
SITE MEAN				803.0	11.1	11		0.008	0.032	0.075	7.98	1.6	7.310	22.3
WATERSHED MEAN				610.3	9.4	788		0.04	0.216	0.130	7.94	1.1	5.440	22.1

Williamson Creek

Williamson	223	WMS1	12/01/2010	948.9	14.1	29	<J	0.008	0.553	0.060	7.95	1.5	2.550	14.3
Williamson	223	WMS1	03/23/2011	636.0	16.4	. R	<J	0.008	0.163	0.070	8.32	0.8	0.710	26.4
Williamson	223	WMS1	06/07/2011	754.0	10.7	488		0.026	0.213	0.020	8.08	1.2	1.470	26.9
Williamson	223	WMS1	09/21/2011	860.9	10.4	17	J	0.012	0.195	. R	7.83	. R	. R	25.6
SITE MEAN				800.0	12.9	178		0.014	0.281	0.050	8.05	1.2	1.580	23.3
WATERSHED MEAN				800.0	12.9	178		0.014	0.281	0.050	8.05	1.2	1.580	23.3

Watershed	Site	Reach	Date	Cond. <> value flag<>	D.O. value flag<>	E.coli value flag<>	NH3-N value flag<>	NO3/NO2 value flag<>	OrthoP value flag<>	pH value flag<>	TSS value flag<>	Turb. value flag<>	Temp. value flag<>
Bear Creek													
Bear Creek	1087	BER1	03/07/2012	670.6	.	74	J 0.016	6.270	<J 0.004	7.62	<J 2.0	. R	18.0
Bear Creek	1087	BER1	07/05/2012	684.2	5.0	38	<J 0.008	1.180	<J 0.004	7.23	4.4	1.020	28.3
SITE MEAN				677.4	5.0	56	0.012	3.725	0.004	7.43	3.2	1.020	23.1
Bear Creek	4112	BER3	12/08/2011	638.9	10.3	299	<J 0.008	1.490	<J 0.004	.	2.5	5.810	8.1
Bear Creek	4112	BER3	03/07/2012	691.4	.	105	<J 0.008	1.990	<J 0.004	7.94	<J 1.1	. R	17.1
Bear Creek	4112	BER3	07/05/2012	689.3	7.8	1	<J 0.008	<J 0.008	<J 0.004	7.71	1.2	5.660	28.4
SITE MEAN				673.2	9.1	135	0.008	1.163	0.004	7.83	1.6	5.735	17.9
WATERSHED MEAN				674.9	7.7	103	0.010	2.188	0.004	7.63	2.2	4.163	20.0

Bear Creek West (tributary of Lake Austin)

Bear Creek West	1224	BRW1	12/08/2011	737.4	10.7	115	<J 0.008	1.190	<J 0.004	7.94	<J 1.1	0.370	8.8
Bear Creek West	1224	BRW1	03/07/2012	775.2	8.9	69	<J 0.008	1.670	<J 0.004	8.06	<J 1.1	. R	16.5
Bear Creek West	1224	BRW1	07/05/2012	803.0	3.8	128	<J 0.008	0.025	<J 0.004	7.00	<J 1.0	0.420	22.1
Bear Creek West	1224	BRW1	09/12/2012	819.5	4.1	30	J 0.015	J 0.011	<J 0.004	7.03	27.1	0.480	22.7
SITE MEAN				783.8	6.9	85	0.010	0.724	0.004	7.51	7.6	0.423	17.5
WATERSHED MEAN				783.8	6.9	85	0.010	0.724	0.004	7.51	7.6	0.423	17.5

Bee Creek

Bee Creek	319	BEE1	12/08/2011	1274.0	10.0	23	J 0.010	3.360	<J 0.004	7.83	<J 1.7	0.340	12.4
Bee Creek	319	BEE1	03/07/2012	850.0	8.4	18	<J 0.008	4.620	<J 0.004	7.86	<J 1.8	. R	16.6
Bee Creek	319	BEE1	07/05/2012	1194.0	7.8	57	<J 0.008	<J 0.008	<J 0.004	7.50	24.7	1.780	30.6
SITE MEAN				1106.0	8.7	32	0.009	2.663	0.004	7.73	9.4	1.060	19.9
Bee Creek	322	BEE2	12/08/2011	1316.0	9.8	116	0.039	2.370	<J 0.004	7.86	2.2	2.240	12.7
Bee Creek	322	BEE2	03/07/2012	913.0	10.1	291	0.023	3.230	<J 0.004	8.05	1.7	. R	17.2
Bee Creek	322	BEE2	07/05/2012	1990.0	9.0	517	<J 0.008	0.078	<J 0.004	7.87	1.8	7.090	29.9
Bee Creek	322	BEE2	09/12/2012	2707.0	9.6	285	0.034	0.132	<J 0.004	7.87	2.1	0.500	26.0
SITE MEAN				1731.5	9.6	302	0.026	1.453	0.004	7.91	2.0	3.277	21.4
Bee Creek	1104	BEE3	12/08/2011	1052.0	7.2	16	0.075	2.310	<J 0.004	7.21	1.4	1.370	15.7
Bee Creek	1104	BEE3	03/07/2012	915.7	8.9	133	J 0.013	4.340	<J 0.004	7.97	<J 1.0	. R	16.7
Bee Creek	1104	BEE3	07/05/2012	988.0	5.6	23	0.091	0.131	<J 0.004	7.21	<J 1.0	0.950	23.6
Bee Creek	1104	BEE3	09/12/2012	1051.0	5.0	50	0.119	0.276	<J 0.004	7.20	<J 1.0	1.010	22.7
SITE MEAN				1001.7	6.7	56	0.075	1.764	0.004	7.40	1.1	1.110	19.7
WATERSHED MEAN				1295.5	8.3	139	0.039	1.896	0.004	7.68	3.7	1.910	20.4

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
Bull Creek													
Bull Creek	350	BUL1	12/08/2011	793.0	10.7	55	<J 0.008	1.640	<J 0.004	8.42	<J 1.0	0.610	10.7
Bull Creek	350	BUL1	03/07/2012	706.0	9.6	116	<J 0.008	1.320	<J 0.004	8.07	<J 1.0	. R	17.6
Bull Creek	350	BUL1	07/05/2012	626.5	6.9	1410	<J 0.008	<J 0.008	<J 0.004	8.08	7.0	1.910	28.8
Bull Creek	350	BUL1	09/12/2012	538.4	9.4	206	J 0.011	<J 0.008	<J 0.004	8.29	<J 1.0	0.830	29.2
SITE MEAN				666.0	9.1	447	0.009	0.744	0.004	8.22	2.5	1.117	21.6
Bull Creek	920	BUL2	12/08/2011	843.0	12.3	38	<J 0.008	1.230	<J 0.004	8.67	<J 1.0	0.400	10.3
Bull Creek	920	BUL2	03/07/2012	688.0	10.4	28	J 0.008	0.764	<J 0.004	7.98	1.0	. R	17.5
Bull Creek	920	BUL2	09/12/2012	543.8	6.1	113	<J 0.008	J 0.020	<J 0.004	7.86	3.1	0.870	26.5
SITE MEAN				691.6	9.6	60	0.008	0.671	0.004	8.17	1.7	0.635	18.1
Bull Creek	349	BUL3	12/08/2011	561.0	7.1	12	<J 0.008	0.941	J 0.007	7.63	<J 1.1	0.400	16.5
Bull Creek	349	BUL3	03/07/2012	535.0	6.3	3	<J 0.008	0.106	<J 0.004	7.77	<J 1.0	. R	16.4
Bull Creek	349	BUL3	07/05/2012	590.0	3.8	84	<J 0.008	0.049	<J 0.004	7.15	<J 1.0	4.580	21.2
Bull Creek	349	BUL3	09/12/2012	582.9	5.5	14	<J 0.008	<J 0.008	<J 0.004	7.29	<J 1.0	0.530	22.1
SITE MEAN				567.2	5.7	28	0.008	0.276	0.005	7.46	1.0	1.837	19.1
Bull Creek	1164	BUL4	12/08/2011	691.0	7.2	65	<J 0.008	0.712	<J 0.004	7.87	<J 1.1	0.520	13.4
Bull Creek	1164	BUL4	03/07/2012	648.0	6.5	89	J 0.008	0.482	<J 0.004	7.63	11.7	. R	16.5
Bull Creek	1164	BUL4	07/05/2012	671.4	4.1	98	<J 0.008	0.357	<J 0.004	7.20	<J 1.0	0.490	23.8
Bull Creek	1164	BUL4	09/12/2012	676.9	3.4	18	0.021	0.430	<J 0.004	7.22	<J 2.2	0.190	22.4
SITE MEAN				671.8	5.3	68	0.011	0.495	0.004	7.48	4.0	0.400	19.0
Bull Creek	151	BUL5	12/08/2011	995.0	9.9	29	<J 0.008	1.420	<J 0.004	8.04	6.6	0.600	14.4
Bull Creek	151	BUL5	03/07/2012	1105.0	10.1	58	<J 0.008	1.800	<J 0.004	7.79	<J 1.0	. R	16.8
Bull Creek	151	BUL5	07/05/2012	1095.0	8.9	53	<J 0.008	0.787	<J 0.004	7.50	1.1	0.670	26.1
Bull Creek	151	BUL5	09/12/2012	1051.0	8.1	15	J 0.012	0.902	<J 0.004	7.49	3.4	0.860	23.6
SITE MEAN				1061.5	9.2	39	0.009	1.227	0.004	7.71	3.0	0.710	20.2
WATERSHED MEAN				733.7	7.7	132	0.009	0.683	0.004	7.79	2.5	0.961	19.7
CARSON													
Carson Creek	1094	CAR1	12/08/2011	652.3	5.7	133	<J 0.008	1.840	0.012	7.36	3.2	1.150	15.9
Carson Creek	1094	CAR1	03/07/2012	654.0	8.4	921	<J 0.008	3.210	. R	7.55	<J 1.1	. R	20.4
Carson Creek	1094	CAR1	07/05/2012	817.0	2.6	921	<J 0.008	3.550	J 0.007	7.55	11.1	0.850	23.5
Carson Creek	1094	CAR1	09/12/2012	850.0	2.5	313	0.022	2.960	0.010	7.56	1.1	1.030	23.5
SITE MEAN				743.3	4.8	572	0.012	2.890	0.010	7.51	4.1	1.010	20.8
Carson Creek	1096	CAR2	12/08/2011	427.7	10.8	56	<J 0.008	0.280	<J 0.004	8.03	1.1	1.900	9.7
Carson Creek	1096	CAR2	03/07/2012	800.4	8.9	261	J 0.009	0.133	<J 0.004	8.04	4.0	. R	18.7
SITE MEAN				614.1	9.9	159	0.009	0.207	0.004	8.04	2.6	1.900	14.2
WATERSHED MEAN				700.2	6.5	434	0.011	1.996	0.007	7.68	3.6	1.230	18.6

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
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Commons Ford (Tributary of Lake Austin)

Commons Ford Creek	1048	CMF1	12/08/2011	709.6	7.9	36	0.038	2.060	<J 0.004	7.54	<J 1.1	0.370	12.1
Commons Ford Creek	1048	CMF1	03/07/2012	551.1	8.1	20	<J 0.008	0.462	<J 0.004	7.93	<J 1.0	. R	16.4
SITE MEAN				630.4	8.0	28	0.023	1.261	0.004	7.74	1.1	0.370	14.2
WATERSHED MEAN				630.4	8.0	28	0.023	1.261	0.004	7.74	1.1	0.370	14.2

Cottonmouth Creek

Cottonmouth Creek	1206	CTM1	03/07/2012	781.0	7.5	22	<J 0.008	1.760	. R	7.87	2.8	. R	19.1
Cottonmouth Creek	1206	CTM1	09/12/2012	776.0	5.2	72	J 0.010	0.806	0.048	8.16	2.8	2.810	23.3
SITE MEAN				778.5	6.3	47	0.009	1.283	0.048	8.02	2.8	2.810	21.2
WATERSHED MEAN				778.5	6.3	47	0.009	1.283	0.048	8.02	2.8	2.810	21.2

Cuernavaca (Tributary of Lake Austin)

Cuernavaca Creek	1222	CRN1	12/08/2011	834.5	9.6	62	0.081	4.210	<J 0.004	7.85	<J 1.0	0.210	12.4
Cuernavaca Creek	1222	CRN1	03/07/2012	794.8	10.0	99	<J 0.008	5.300	<J 0.004	7.94	2.7	. R	17.1
SITE MEAN				814.7	9.8	81	0.045	4.755	0.004	7.90	1.9	0.210	14.7
WATERSHED MEAN				814.7	9.8	81	0.045	4.755	0.004	7.90	1.9	0.210	14.7

Dry Creek East

Dry Creek East	1210	DRE1	12/08/2011	1018.0	11.4	1553	<J 0.008	0.700	0.056	7.91	7.6	10.300	7.4
Dry Creek East	1210	DRE1	03/07/2012	924.0	8.0	1553	<J 0.008	<J 0.008	<J 0.004	8.11	29.2	. R	18.7
Dry Creek East	1210	DRE1	09/12/2012	811.0	5.2	308	J 0.009	<J 0.008	<J 0.004	8.24	40.3	42.000	25.3
SITE MEAN				917.7	8.2	1138	0.008	0.239	0.021	8.09	25.7	26.150	17.1
Dry Creek East	1211	DRE2	12/08/2011	7.6	9.4	219	0.094	0.471	0.030	7.75	13.0	15.350	8.3
Dry Creek East	1211	DRE2	03/07/2012	631.0	8.4	99	<J 0.008	<J 0.008	0.028	8.20	8.4	. R	17.7
Dry Creek East	1211	DRE2	09/12/2012	1103.0	4.1	47	J 0.015	<J 0.008	0.025	8.06	32.9	18.220	24.4
SITE MEAN				580.5	7.3	121	0.039	0.162	0.028	8.00	18.1	16.785	16.8
WATERSHED MEAN				749.1	7.8	630	0.024	0.201	0.025	8.05	21.9	21.468	17.0

Dry Creek North

Dry Creek North	1108	DRN1	12/08/2011	627.0	9.0	77	<J 0.008	0.368	<J 0.004	8.23	J 1.0	1.390	9.9
Dry Creek North	1108	DRN1	03/07/2012	707.0	8.4	75	<J 0.008	1.380	<J 0.004	7.99	J 1.1	. R	17.1
Dry Creek North	1108	DRN1	07/05/2012	722.2	7.9	112	<J 0.008	J 0.020	<J 0.004	8.10	2.3	0.140	27.3
SITE MEAN				685.4	8.5	88	0.008	0.589	0.004	8.11	1.5	0.765	18.1
Dry Creek North	1109	DRN2	12/08/2011	528.0	8.3	63	<J 0.008	0.440	0.016	8.34	J 1.1	0.820	14.7
Dry Creek North	1109	DRN2	03/07/2012	609.0	9.5	78	J 0.015	1.500	0.012	8.04	J 1.2	. R	17.9
SITE MEAN				568.5	8.9	70	0.012	0.970	0.014	8.19	1.2	0.820	16.3
WATERSHED MEAN				638.6	8.6	81	0.009	0.742	0.008	8.14	1.3	0.783	17.4

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
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Eanes Creek

Eanes Creek	1106	EAN2	12/08/2011	1049.0	9.6	70	<J 0.008	0.953	<J 0.004	7.79	<J 1.0	0.420	11.1
Eanes Creek	1106	EAN2	03/07/2012	1029.0	8.7	93	<J 0.008	1.800	<J 0.004	7.93	<J 1.0	. R	17.0
SITE MEAN				1039.0	9.2	82	0.008	1.377	0.004	7.86	1.0	0.420	14.1
WATERSHED MEAN				1039.0	9.2	82	0.008	1.377	0.004	7.86	1.0	0.420	14.1

Lake Creek

Lake Creek	1098	LKC1	12/08/2011	446.0	10.7	179	0.020	1.270	0.184	7.78	2.0	3.690	7.1
Lake Creek	1098	LKC1	03/07/2012	566.0	9.5	249	<J 0.008	<J 0.008	<J 0.004	7.86	<J 1.0	0.600	17.7
SITE MEAN				506.0	10.1	214	0.014	0.639	0.094	7.82	1.5	2.145	12.4
Lake Creek	3978	LKC2	12/08/2011	384.0	11.6	276	0.069	1.170	0.269	8.26	3.9	7.430	6.6
Lake Creek	3978	LKC2	03/07/2012	520.0	11.4	1414	<J 0.008	<J 0.008	0.041	8.34	1.4	. R	17.9
SITE MEAN				452.0	11.5	845	0.039	0.589	0.155	8.30	2.7	7.430	12.2
Lake Creek	1100	LKC3	12/08/2011	601.0	12.3	236	J 0.010	3.990	0.644	8.39	<J 1.0	0.820	10.7
Lake Creek	1100	LKC3	03/07/2012	830.0	9.2	18	J 0.010	2.710	0.373	7.89	1.7	. R	18.1
Lake Creek	1100	LKC3	07/05/2012	623.0	11.3	81	0.029	0.471	1.440	8.85	2.7	3.270	28.5
Lake Creek	1100	LKC3	09/12/2012	700.6	10.3	51	0.031	0.981	1.360	8.19	3.8	2.200	25.6
SITE MEAN				688.7	10.8	96	0.020	2.038	0.954	8.33	2.3	2.097	20.7
WATERSHED MEAN				583.8	10.8	313	0.023	1.326	0.539	8.20	2.2	3.002	16.5

Little Barton Creek

Little Barton Creek	77	LBA1	12/08/2011	760.6	11.1	32	<J 0.008	0.867	<J 0.004	8.07	<J 1.0	0.400	10.2
Little Barton Creek	77	LBA1	03/07/2012	781.5	9.9	13	<J 0.008	1.260	<J 0.004	8.13	<J 1.1	. R	17.8
Little Barton Creek	77	LBA1	07/05/2012	664.0	6.4	11	<J 0.008	<J 0.008	<J 0.004	7.88	<J 2.0	0.520	27.7
Little Barton Creek	77	LBA1	09/12/2012	667.1	7.2	1	J 0.014	<J 0.008	<J 0.004	7.96	2.1	1.680	25.4
SITE MEAN				718.3	8.6	14	0.010	0.536	0.004	8.01	1.6	0.867	20.3
Little Barton Creek	1114	LBA2	12/08/2011	808.9	8.3	248	<J 0.008	1.810	<J 0.004	7.18	1.2	0.590	10.6
Little Barton Creek	1114	LBA2	03/07/2012	834.5	8.1	46	0.025	1.320	<J 0.004	7.70	<J 1.1	. R	17.3
Little Barton Creek	1114	LBA2	07/05/2012	855.0	3.7	15	<J 0.008	0.124	<J 0.004	7.06	1.5	2.940	23.7
SITE MEAN				832.8	6.7	103	0.014	1.085	0.004	7.31	1.3	1.765	17.2
Little Barton Creek	1115	LBA3	12/08/2011	653.4	9.8	66	J 0.015	1.700	<J 0.004	8.04	3.2	0.600	9.8
Little Barton Creek	1115	LBA3	03/07/2012	756.2	11.3	9	<J 0.008	1.260	<J 0.004	8.01	<J 1.1	. R	17.4
SITE MEAN				704.8	10.5	37	0.012	1.480	0.004	8.03	2.2	0.600	13.6
WATERSHED MEAN				753.5	8.4	49	0.011	0.929	0.004	7.78	1.6	1.122	17.8

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
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Little Bear Creek

Little Bear Creek	1101	LBR1	03/07/2012	442.8	.	50	<J 0.008	0.995	J 0.007	7.65	1.2	.	R 16.7
Little Bear Creek	1101	LBR1	07/05/2012	540.2	2.6	82	<J 0.008	0.048	0.022	7.01	7.3	8.910	26.8
SITE MEAN				491.5	2.6	66	0.008	0.522	0.015	7.33	4.3	8.910	21.8
Little Bear Creek	3374	LBR2	03/07/2012	507.3	.	63	<J 0.008	1.600	<J 0.004	8.13	1.0	.	R 17.7
SITE MEAN				507.3	.	63	0.008	1.600	0.004	8.13	1.0	.	17.7
WATERSHED MEAN				496.8	2.6	65	0.008	0.881	0.011	7.60	3.2	8.910	20.4

Marble Creek

Marble Creek	231	MAR1	12/08/2011	534.0	6.8	79	<J 0.008	0.658	J 0.005	7.46	<J 1.0	1.140	8.0
Marble Creek	231	MAR1	03/07/2012	732.4	6.6	687	J 0.012	2.790	<J 0.004	7.40	2.1	.	R 18.4
Marble Creek	231	MAR1	07/05/2012	716.0	4.9	116	J 0.010	4.080	<J 0.004	7.47	1.8	1.020	25.3
Marble Creek	231	MAR1	09/12/2012	575.0	2.7	151	0.329	1.270	0.051	7.88	4.3	1.210	24.2
SITE MEAN				639.4	5.2	258	0.09	2.200	0.016	7.55	2.3	1.120	19.0
Marble Creek	232	MAR2	03/07/2012	581.2	8.2	73	<J 0.008	<J 0.008	<J 0.004	8.33	8.5	.	R 18.0
SITE MEAN				581.2	8.2	73	0.008	0.008	0.004	8.33	8.5	.	18.0
WATERSHED MEAN				627.7	5.8	221	0.073	1.761	0.014	7.71	3.5	1.120	18.8

North Fork Dry

North Fork Dry	1217	NFD1	03/07/2012	680.0	8.4	4	J 0.018	<J 0.008	<J 0.004	8.27	12.6	.	R 18.8
SITE MEAN				680.0	8.4	4	0.018	0.008	0.004	8.27	12.6	.	18.8
WATERSHED MEAN				680.0	8.4	4	0.018	0.008	0.004	8.27	12.6	.	18.8

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
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Onion Creek

Onion Creek	1366	ONI1	12/08/2011	391.0	10.1	219	<J 0.008	0.503	<J 0.004	7.88	5.0	23.440	8.6
Onion Creek	1366	ONI1	03/07/2012	667.8	8.5	172	<J 0.008	1.600	<J 0.004	8.05	10.2	. R	18.5
Onion Creek	1366	ONI1	07/05/2012	646.0	7.1	16	<J 0.008	0.707	J 0.006	7.72	3.3	1.640	27.9
Onion Creek	1366	ONI1	09/12/2012	707.0	7.7	59	0.026	1.680	<J 0.004	8.12	4.5	2.550	25.1
SITE MEAN				603.0	8.4	117	0.013	1.123	0.005	7.94	5.8	9.210	20.0
Onion Creek	255	ONI2	12/08/2011	440.0	11.3	238	<J 0.008	0.743	0.017	8.02	5.3	8.740	8.5
Onion Creek	255	ONI2	03/07/2012	658.1	9.0	77	<J 0.008	1.990	<J 0.004	8.21	3.0	. R	17.9
Onion Creek	255	ONI2	07/05/2012	666.0	6.7	88	J 0.016	0.088	<J 0.004	8.03	3.1	3.770	28.3
Onion Creek	255	ONI2	09/12/2012	731.0	4.5	16	0.021	J 0.012	<J 0.004	7.82	3.6	1.890	26.4
SITE MEAN				623.8	7.9	105	0.013	0.708	0.007	8.02	3.8	4.800	20.3
Onion Creek	241	ONI3	12/08/2011	682.6	6.9	127	J 0.013	0.883	<J 0.004	7.34	<J 1.1	1.390	8.7
Onion Creek	241	ONI3	03/07/2012	564.7	.	435	J 0.012	2.670	<J 0.004	7.86	1.4	. R	18.7
Onion Creek	241	ONI3	07/05/2012	638.7	7.3	517	<J 0.008	0.952	<J 0.004	7.54	1.3	0.930	28.6
Onion Creek	241	ONI3	09/12/2012	740.2	8.1	147	J 0.020	1.560	<J 0.004	8.29	3.0	0.750	24.7
SITE MEAN				656.6	7.4	307	0.013	1.516	0.004	7.76	1.7	1.020	20.2
Onion Creek	236	ONI4	12/08/2011	581.4	9.1	276	<J 0.008	1.680	<J 0.004	7.78	3.8	5.920	8.9
Onion Creek	236	ONI4	03/07/2012	464.7	.	248	0.030	0.956	<J 0.004	8.03	1.2	. R	18.3
Onion Creek	236	ONI4	07/05/2012	511.5	7.8	185	<J 0.008	<J 0.008	<J 0.004	7.73	4.7	0.450	29.5
Onion Creek	236	ONI4	09/12/2012	446.9	8.3	133	J 0.010	<J 0.008	<J 0.004	8.15	3.1	1.250	26.4
SITE MEAN				501.1	8.4	211	0.014	0.663	0.004	7.92	3.2	2.540	20.8
Onion Creek	612	ONI5	03/07/2012	507.2	.	54	<J 0.008	1.430	<J 0.004	8.11	<J 1.0	. R	17.9
Onion Creek	612	ONI5	07/05/2012	497.2	7.1	76	<J 0.008	<J 0.008	<J 0.004	7.89	<J 1.0	0.650	28.4
Onion Creek	612	ONI5	09/12/2012	547.3	6.4	22	<J 0.008	J 0.014	<J 0.004	7.83	<J 1.0	0.220	26.1
SITE MEAN				517.2	6.7	51	0.008	0.484	0.004	7.94	1.0	0.440	24.1
Onion Creek	4595	ONI6	03/07/2012	430.9	.	10	0.100	0.174	<J 0.004	8.23	6.5	. R	17.3
Onion Creek	4595	ONI6	07/05/2012	441.2	7.7	8	J 0.014	0.021	<J 0.004	8.17	2.1	1.200	29.2
Onion Creek	4595	ONI6	09/12/2012	466.5	6.9	411	J 0.019	<J 0.008	<J 0.004	8.43	1.4	0.940	25.0
SITE MEAN				446.2	7.3	143	0.044	0.068	0.004	8.28	3.3	1.070	23.8
WATERSHED MEAN				564.9	7.8	161	0.017	0.804	0.005	7.97	3.2	3.480	21.3

Panther Hollow (Tributary of Lake Austin)

Panther Hollow	1223	PAN1	12/08/2011	959.7	9.0	36	<J 0.008	3.460	<J 0.004	7.68	<J 1.0	0.760	10.6
Panther Hollow	1223	PAN1	03/07/2012	765.9	8.1	55	<J 0.008	2.240	<J 0.004	7.90	3.1	. R	16.2
SITE MEAN				862.8	8.5	45	0.008	2.850	0.004	7.79	2.1	0.760	13.4
WATERSHED MEAN				862.8	8.5	45	0.008	2.850	0.004	7.79	2.1	0.760	13.4

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Rinard Creek

Rinard Creek	233	RIN1	12/08/2011	844.5	12.3	57	J	0.008	0.090	<J	0.004	7.80	<J	1.1	1.410	10.2	
Rinard Creek	233	RIN1	03/07/2012	702.0	.	91	J	0.008	0.537	<J	0.004	7.79		1.1	. R	18.4	
Rinard Creek	233	RIN1	07/05/2012	315.7	8.3	185	<J	0.008	0.057	<J	0.004	7.69		2.8	5.420	30.5	
Rinard Creek	233	RIN1	09/12/2012	696.2	6.0	101	<J	0.008	<J	0.008	<J	0.004	8.06	<J	1.2	0.990	28.2
SITE MEAN				639.6	8.9	108		0.008	0.173		0.004	7.84		1.6	2.610	21.8	
Rinard Creek	5398	RIN2	09/12/2012	453.0	5.4	11		0.021	0.022		0.014	8.69		12.0	6.860	23.9	
SITE MEAN				453.0	5.4	11		0.021	0.022		0.014	8.69		12.0	6.860	23.9	
Rinard Creek	1220	RIN3	03/07/2012	543.3	8.9	45	J	0.018	J	0.011	<J	0.004	8.38		2.0	. R	16.4
SITE MEAN				543.3	8.9	45		0.018	0.011		0.004	8.38		2.0	.	16.4	
WATERSHED MEAN				592.5	8.2	82		0.012	0.121		0.006	8.07		3.4	3.670	21.3	

Running Deer (Tributary of Lake Austin)

Running Deer Creek	316	RDR1	12/08/2011	761.3	9.3	37	J	0.011	1.940	<J	0.004	7.35	<J	1.0	0.280	13.3
Running Deer Creek	316	RDR1	03/07/2012	701.3	9.1	101	<J	0.008	3.590	<J	0.004	7.94	<J	1.0	. R	16.6
SITE MEAN				731.3	9.2	69		0.01	2.765		0.004	7.65		1.0	0.280	14.9
WATERSHED MEAN				731.3	9.2	69		0.01	2.765		0.004	7.65		1.0	0.280	14.9

Slaughter Creek

Slaughter Creek	1082	SLA1	12/08/2011	241.0	8.6	219		0.021	0.197	0.030	7.80	5.2	9.180	9.6
Slaughter Creek	1082	SLA1	03/07/2012	503.5	.	44	J	0.010	0.274	<J 0.004	8.06	2.7	R .	18.0
Slaughter Creek	1082	SLA1	07/05/2012	459.0	2.5	15		0.064	J 0.018	0.025	7.43	4.4	5.310	28.0
Slaughter Creek	1082	SLA1	09/12/2012	424.0	3.6	10		0.021	0.033	<J 0.004	7.96	10.8	5.340	28.0
SITE MEAN				406.9	4.9	72		0.029	0.131	0.016	7.81	5.8	6.610	20.9
Slaughter Creek	623	SLA3	03/07/2012	852.7	8.3	228	J	0.009	1.920	<J 0.004	8.01	<J 1.0	. R	17.1
Slaughter Creek	623	SLA3	07/05/2012	756.5	6.2	199	<J	0.008	<J 0.008	<J 0.004	7.75	1.3	0.820	28.6
SITE MEAN				804.6	7.3	214		0.009	0.212	0.004	7.88	1.2	0.820	22.8
WATERSHED MEAN				539.5	5.8	119		0.022	0.408	0.012	7.84	4.2	5.160	21.6

Watershed	Site	Reach	Date	Cond. value flag	D.O. value flag	E.coli value flag	NH3-N value flag	NO3/NO2 value flag	OrthoP value flag	pH value flag	TSS value flag	Turb. value flag	Temp. value flag
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South Boggy Creek

South Boggy Creek	227	SBG1	12/08/2011	213.4	8.7	326	<J 0.008	0.518	0.020	7.89	<J 1.1	3.680	7.3
South Boggy Creek	227	SBG1	03/07/2012	607.6	7.9	60	<J 0.008	0.159	J 0.007	7.95	<J 1.0	. R	16.4
SITE MEAN				410.5	8.3	193	0.008	0.339	0.014	7.92	1.1	3.680	11.9
South Boggy Creek	1081	SBG2	12/08/2011	512.0	7.0	313	<J 0.008	6.300	. R	7.75	<J 1.4	1.020	7.6
South Boggy Creek	1081	SBG2	03/07/2012	662.1	4.6	166	<J 0.008	0.374	0.015	7.62	<J 1.0	. R	17.7
SITE MEAN				587.1	5.8	240	0.008	3.337	0.015	7.69	1.2	1.020	12.6
WATERSHED MEAN				498.8	7.0	216	0.008	1.838	0.014	7.80	1.1	2.350	12.2

South Fork Dry

South Fork Dry Creek	1216	SFD1	12/08/2011	761.0	7.0	44	0.023	0.367	0.184	7.67	6.0	3.800	7.8
South Fork Dry Creek	1216	SFD1	03/07/2012	529.0	8.8	461	0.025	0.026	0.032	8.49	6.9	. R	18.3
South Fork Dry Creek	1216	SFD1	07/05/2012	744.0	5.4	96	<J 0.008	<J 0.008	J 0.009	7.93	9.7	5.210	29.1
SITE MEAN				678.0	7.1	200	0.019	0.134	0.075	8.03	7.5	4.510	18.4
South Fork Dry Creek	1215	SFD2	03/07/2012	445.0	8.7	2420	<J 0.008	<J 0.008	<J 0.004	8.27	9.1	. R	19.1
SITE MEAN				445.0	8.7	2420	0.008	0.008	0.004	8.27	9.1	.	19.1
WATERSHED MEAN				619.8	7.5	755	0.016	0.102	0.057	8.09	7.9	4.510	18.6

Taylor Slough North

Taylor Slough North	3969	TYN1	12/08/2011	820.0	7.1	115	<J 0.008	0.366	0.014	8.01	<J 1.0	0.810	12.9
Taylor Slough North	3969	TYN1	03/07/2012	803.0	5.6	13	<J 0.008	0.534	. R	7.75	<J 1.0	. R	16.7
SITE MEAN				811.5	6.3	64	0.008	0.450	0.014	7.88	1.0	0.810	14.8
WATERSHED MEAN				811.5	6.3	64	0.008	0.450	0.014	7.88	1.0	0.810	14.8

Taylor Slough South

Taylor Slough South	318	TYS1	12/08/2011	1091.0	11.5	133	<J 0.008	2.410	. R	8.14	1.3	0.820	10.1
Taylor Slough South	318	TYS1	03/07/2012	795.0	9.6	365	<J 0.008	2.510	J 0.006	7.89	<J 1.0	. R	18.3
Taylor Slough South	318	TYS1	07/05/2012	641.6	5.8	517	<J 0.008	1.890	0.032	7.80	<J 1.0	6.080	28.0
Taylor Slough South	318	TYS1	09/12/2012	661.3	5.2	387	J 0.012	3.070	0.029	7.78	1.0	0.320	25.4
SITE MEAN				797.2	8.0	351	0.009	2.470	0.022	7.90	1.1	2.410	20.5
WATERSHED MEAN				797.2	8.0	351	0.009	2.470	0.022	7.90	1.1	2.410	20.5

Turkey Creek (Tributary of Lake Austin)

Turkey Creek	1221	TRK1	03/07/2012	864.9	8.7	75	<J 0.008	4.030	<J 0.004	8.03	<J 1.0	. R	15.9
SITE MEAN				864.9	8.7	75	0.008	4.030	0.004	8.03	1.0	.	15.9
WATERSHED MEAN				864.9	8.7	75	0.008	4.030	0.004	8.03	1.0	.	15.9

Watershed	Site	Reach	Date	Cond. <> value flag	D.O. <> value flag	E.coli <> value flag	NH3-N <> value flag	NO3/NO2 <> value flag	OrthoP <> value flag	pH <> value flag	TSS <> value flag	Turb. <> value flag	Temp. <> value flag
West Bull Creek													
West Bull Creek	343	WBL1	12/08/2011	850.7	10.6	108	0.039	1.650	<J 0.004	7.20	<J 1.0	0.660	9.2
West Bull Creek	343	WBL1	03/07/2012	805.6	8.7	291	<J 0.008	1.400	<J 0.004	7.93	<J 1.1	. R	17.0
SITE MEAN				828.2	9.6	199	0.024	1.525	0.004	7.57	1.1	0.660	13.1
West Bull Creek	148	WBL2	12/08/2011	613.1	7.0	10	<J 0.008	4.070	<J 0.004	7.57	<J 1.0	0.450	14.3
West Bull Creek	148	WBL2	03/07/2012	604.2	8.2	99	<J 0.008	1.350	<J 0.004	7.82	<J 1.1	. R	15.9
West Bull Creek	148	WBL2	09/12/2012	584.4	2.9	1	J 0.013	J 0.010	<J 0.004	7.34	3.6	0.300	24.7
SITE MEAN				600.6	6.1	37	0.01	1.810	0.004	7.58	1.9	0.380	18.3
WATERSHED MEAN				691.6	7.5	102	0.015	1.696	0.004	7.57	1.6	0.470	16.2