APPENDIX D

SUMMARY OF ASSESSMENT DESIGNATIONS FOR LARGE RIVER SAMPLING SITES

	SUSQ 45								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**
Number of Individuals	231	247	300	283	275	221	231	240	228
Taxa Richness	17	17	19	17	12	13	15	16	13
Hilsenhoff Biotic Index	3.81	4.02	4.34	4.25	4.43	5.00	3.33	3.41	3.63
Percent Ephemeroptera	57.58	40.08	26.33	15.90	22.55	46.61	78.79	78.75	55.26
Percent Dominant Taxa	48.05	31.98	29.00	24.03	23.64	45.70	64.94	70.83	50.88
EPT Index	10	12	11	12	7	8	10	11	10
Percent Chironomidae	1.73	2.02	3.00	3.18	2.18	2.26	3.46	1.67	2.63
Shannon-Weiner Diversity Index	1.68	2.13	2.22	2.12	1.95	1.41	1.44	1.30	1.61
Percent of Reference									
Taxa Richness	60.71	60.71	67.86	60.71	42.86	46.43	53.57	57.14	46.43
Hilsenhoff Biotic Index	80.42	76.11	70.56	71.99	69.03	61.20	91.92	89.67	84.26
Percent Ephemeroptera	57.58	40.08	26.33	15.90	22.55	46.61	78.79	78.75	55.26
Percent Dominant Taxa	48.05	31.98	29.00	24.03	23.64	45.70	64.94	70.83	50.88
EPT Index	58.82	70.59	64.71	70.59	41.18	47.06	58.82	64.71	58.82
Percent Chironomidae	1.73	2.02	3.00	3.18	2.18	2.26	3.46	1.67	2.63
Shannon-Weiner Diversity Index	62.27	78.86	82.36	78.50	72.10	52.14	53.31	48.32	59.51
Biological Condition Scores									
Taxa Richness	4	4	4	4	2	2	2	2	2
Hilsenhoff Biotic Index	4	4	4	4	2	2	6	6	4
Percent Ephemeroptera	6	6	6	4	4	6	6	6	6
Percent Dominant Taxa	0	2	4	4	4	0	0	0	0
EPT Index	0	2	0	2	0	0	0	0	0
Percent Chironomidae	6	6	6	6	6	6	6	6	6
Shannon-Weiner Diversity Index	4	6	6	6	4	4	4	2	4
Total Biological Score									
Total Biological Score	24	30	30	30	22	20	24	22	22
Percent of Reference	63	79	79	79	58	53	63	58	58
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Slightly	Moderately	Slightly	Slightly	Slightly

	SUSQ 77									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	180	233	240	245	219	81	154	264	219	227
Taxa Richness	16	17	16	18	15	10	15	17	15	16
Hilsenhoff Biotic Index	4.42	4.05	4.13	4.36	4.50	1.91	2.31	3.48	4.58	3.80
Percent Ephemeroptera	41.67	48.07	39.58	23.27	22.83	88.89	83.12	79.55	33.79	68.28
Percent Dominant Taxa	37.22	30.04	34.58	48.16	49.32	75.31	57.14	52.27	41.10	49.78
EPT Index	9	11	12	14	11	6	12	11	12	12
Percent Chironomidae	0.56	3.43	0.83	1.22	0.00	0.00	1.95	2.27	5.48	1.32
Shannon-Weiner Diversity Index	1.96	2.16	2.06	1.89	1.83	1.06	1.59	1.75	1.97	1.79
Percent of Reference										
Taxa Richness	57.14	60.71	57.14	64.29	53.57	35.71	53.57	60.71	53.57	57.14
Hilsenhoff Biotic Index	69.20	75.61	74.03	70.13	67.97	159.91	132.37	87.81	66.75	80.49
Percent Ephemeroptera	41.67	48.07	39.58	23.27	22.83	88.89	83.12	79.55	33.79	68.28
Percent Dominant Taxa	37.22	30.04	34.58	48.16	49.32	75.31	57.14	52.27	41.10	49.78
EPT Index	52.94	64.71	70.59	82.35	64.71	35.29	70.59	64.71	70.59	70.59
Percent Chironomidae	0.56	3.43	0.83	1.22	0.00	0.00	1.95	2.27	5.48	1.32
Shannon-Weiner Diversity Index	72.43	80.04	76.30	69.83	67.80	39.14	59.01	64.64	73.14	66.45
Biological Condition Scores										
Taxa Richness	2	4	2	4	2	0	2	4	2	2
Hilsenhoff Biotic Index	2	4	4	4	2	6	6	6	2	4
Percent Ephemeroptera	6	6	6	4	4	6	6	6	6	6
Percent Dominant Taxa	2	2	2	0	0	0	0	0	0	0
EPT Index	0	0	2	4	0	0	2	0	2	2
Percent Chironomidae	6	6	6	6	6	6	6	6	4	6
Shannon-Weiner Diversity Index	4	6	6	4	4	2	4	4	4	4
Total Biological Score										
Total Biological Score	22	28	28	26	18	20	26	26	20	24
Percent of Reference	58	74	74	68	47	53	68	68	53	63
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Moderately	Moderately	Slightly	Slightly	Moderately	Slightly

Metric Scores	SUSQ 94									
	KS1	KS2	KS3	KS4	KS5	RB1	RB2	RB3	RB4	RB5
Number of Individuals	182	228	263	247	257	228	114	214	209	195
Taxa Richness	20	20	19	20	19	17	14	11	13	12
Hilsenhoff Biotic Index	4.88	4.07	4.10	4.66	4.33	4.41	3.82	3.15	3.06	3.17
Percent Ephemeroptera	41.21	46.49	41.44	17.81	35.02	48.68	71.05	93.93	90.43	92.31
Percent Dominant Taxa	19.78	31.14	36.50	58.70	35.80	22.81	21.05	83.18	65.55	34.87
EPT Index	15	13	11	12	12	12	10	9	8	8
Percent Chironomidae	19.78	7.46	1.52	2.43	0.00	22.81	3.51	0.47	0.48	1.54
Shannon-Weiner Diversity Index	2.47	2.21	2.03	1.68	2.17	2.24	2.19	0.76	1.32	1.74
Percent of Reference										
Taxa Richness	71.43	71.43	67.86	71.43	67.86	60.71	50.00	39.29	46.43	42.86
Hilsenhoff Biotic Index	62.72	75.18	74.59	65.67	70.59	69.35	80.01	97.16	100.08	96.55
Percent Ephemeroptera	41.21	46.49	41.44	17.81	35.02	48.68	71.05	93.93	90.43	92.31
Percent Dominant Taxa	19.78	31.14	36.50	58.70	35.80	22.81	21.05	83.18	65.55	34.87
EPT Index	88.24	76.47	64.71	70.59	70.59	70.59	58.82	52.94	47.06	47.06
Percent Chironomidae	19.78	7.46	1.52	2.43	0.00	22.81	3.51	0.47	0.48	1.54
Shannon-Weiner Diversity Index	91.49	81.99	75.25	62.31	80.55	82.84	81.21	28.26	48.95	64.27
Biological Condition Scores										
Taxa Richness	4	4	4	4	4	4	2	0	2	2
Hilsenhoff Biotic Index	2	4	4	2	4	2	4	6	6	6
Percent Ephemeroptera	6	6	6	4	6	6	6	6	6	6
Percent Dominant Taxa	6	2	2	0	2	4	4	0	0	2
EPT Index	4	2	0	2	2	2	0	0	0	0
Percent Chironomidae	4	4	6	6	6	2	6	6	6	6
Shannon-Weiner Diversity Index	6	6	6	4	6	6	6	2	2	4
Total Biological Score										
Total Biological Score	32	28	28	22	30	26	28	20	22	26
Percent of Reference	84	74	74	58	79	68	74	53	58	68
Assessment Designation	Non	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly	Moderately	Slightly	Slightly

	SUSQ 106								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	220	252	233	249	237	227	177	245	224
Taxa Richness	20	16	20	14	17	13	15	12	13
Hilsenhoff Biotic Index	4.04	3.83	3.96	4.50	4.72	3.30	3.48	3.37	3.60
Percent Ephemeroptera	44.55	47.22	40.77	38.55	8.02	77.09	48.59	86.94	69.64
Percent Dominant Taxa	31.82	44.44	38.20	48.59	57.81	71.81	36.72	75.10	62.05
EPT Index	13	10	13	11	10	11	8	8	9
Percent Chironomidae	5.91	3.17	1.29	6.43	11.81	2.64	1.69	1.63	0.45
Shannon-Weiner Diversity Index	2.27	1.74	1.88	1.72	1.64	1.17	1.89	1.10	1.45
Percent of Reference									
Taxa Richness	71.43	57.14	71.43	50.00	60.71	46.43	53.57	42.86	46.43
Hilsenhoff Biotic Index	75.73	79.83	77.25	67.97	64.87	92.62	87.93	90.76	84.94
Percent Ephemeroptera	44.55	47.22	40.77	38.55	8.02	77.09	48.59	86.94	69.64
Percent Dominant Taxa	31.82	44.44	38.20	48.59	57.81	71.81	36.72	75.10	62.05
EPT Index	76.47	58.82	76.47	64.71	58.82	64.71	47.06	47.06	52.94
Percent Chironomidae	5.91	3.17	1.29	6.43	11.81	2.64	1.69	1.63	0.45
Shannon-Weiner Diversity Index	83.91	64.27	69.63	63.86	60.91	43.21	69.92	40.65	53.82
Biological Condition Scores									
Taxa Richness	4	2	4	2	4	2	2	2	2
Hilsenhoff Biotic Index	4	4	4	2	2	6	6	6	4
Percent Ephemeroptera	6	6	6	6	2	6	6	6	6
Percent Dominant Taxa	2	0	2	0	0	0	2	0	0
EPT Index	2	0	2	0	0	0	0	0	0
Percent Chironomidae	4	6	6	4	4	6	6	6	6
Shannon-Weiner Diversity Index	6	4	4	4	4	2	4	2	4
Total Biological Score									
Total Biological Score	28	22	28	18	16	22	26	22	22
Percent of Reference	74	58	74	47	42	58	68	58	58
Assessment Designation	Slightly	Slightly	Slightly	Moderately	Moderately	Slightly	Slightly	Slightly	Slightly

	SUSQ 122					
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB4**
Number of Individuals	262	266	247	209	94	139
Taxa Richness	15	10	14	17	18	14
Hilsenhoff Biotic Index	3.65	4.57	4.77	5.66	4.63	5.56
Percent Ephemeroptera	60.31	9.40	7.69	15.79	35.11	12.23
Percent Dominant Taxa	43.51	62.78	74.09	55.02	45.74	41.73
EPT Index	10	7	9	7	8	3
Percent Chironomidae	3.82	4.14	1.21	55.02	45.74	41.73
Shannon-Weiner Diversity Index	1.88	1.31	1.15	1.65	2.02	1.93
Percent of Reference						
Taxa Richness	53.57	35.71	50.00	60.71	64.29	50.00
Hilsenhoff Biotic Index	83.77	66.99	64.11	54.06	66.12	55.02
Percent Ephemeroptera	60.31	9.40	7.69	15.79	35.11	12.23
Percent Dominant Taxa	43.51	62.78	74.09	55.02	45.74	41.73
EPT Index	58.82	41.18	52.94	41.18	47.06	17.65
Percent Chironomidae	3.82	4.14	1.21	55.02	45.74	41.73
Shannon-Weiner Diversity Index	69.64	48.67	42.54	61.01	74.97	71.42
Biological Condition Scores						
Taxa Richness	2	0	2	4	4	2
Hilsenhoff Biotic Index	4	2	2	2	2	2
Percent Ephemeroptera	6	2	2	4	6	4
Percent Dominant Taxa	0	0	0	0	0	0
EPT Index	0	0	0	0	0	0
Percent Chironomidae	6	6	6	0	0	0
Shannon-Weiner Diversity Index	4	2	2	4	4	4
Total Biological Score						
Total Biological Score	22	12	14	14	16	12
Percent of Reference	58	32	37	37	42	32
Assessment Designation	Slightly	Moderately	Moderately	Moderately	Moderately	Moderately

	SUSQ 138									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	268	247	267	228	264	230	223	224	228	242
Taxa Richness	19	13	17	14	17	24	13	10	19	13
Hilsenhoff Biotic Index	4.64	4.55	4.45	4.64	4.42	4.06	3.34	3.18	4.18	3.57
Percent Ephemeroptera	14.93	19.84	22.47	14.91	23.11	49.13	89.24	94.64	54.39	38.84
Percent Dominant Taxa	62.69	61.54	56.18	72.37	58.71	34.78	77.58	91.07	30.26	35.95
EPT Index	8	10	12	10	9	12	8	6	14	9
Percent Chironomidae	1.12	2.83	2.62	3.07	0.38	8.70	4.04	0.00	4.39	9.09
Shannon-Weiner Diversity Index	1.60	1.36	1.63	1.20	1.53	2.36	0.99	0.48	2.37	1.70
Percent of Reference										
Taxa Richness	67.86	46.43	60.71	50.00	60.71	85.71	46.43	35.71	67.86	46.43
Hilsenhoff Biotic Index	65.92	67.18	68.71	65.88	69.28	75.35	91.59	96.27	73.13	85.61
Percent Ephemeroptera	14.93	19.84	22.47	14.91	23.11	49.13	89.24	94.64	54.39	38.84
Percent Dominant Taxa	62.69	61.54	56.18	72.37	58.71	34.78	77.58	91.07	30.26	35.95
EPT Index	47.06	58.82	70.59	58.82	52.94	70.59	47.06	35.29	82.35	52.94
Percent Chironomidae	1.12	2.83	2.62	3.07	0.38	8.70	4.04	0.00	4.39	9.09
Shannon-Weiner Diversity Index	59.10	50.41	60.28	44.47	56.53	87.34	36.61	17.70	87.94	63.00
Biological Condition Scores										
Taxa Richness	4	2	4	2	4	6	2	0	4	2
Hilsenhoff Biotic Index	2	2	2	2	2	4	6	6	4	6
Percent Ephemeroptera	4	4	4	4	4	6	6	6	6	6
Percent Dominant Taxa	0	0	0	0	0	2	0	0	2	2
EPT Index	0	0	2	0	0	2	0	0	4	0
Percent Chironomidae	6	6	6	6	6	4	6	6	6	4
Shannon-Weiner Diversity Index	4	4	4	2	4	6	2	0	6	4
Total Biological Score										
Total Biological Score	20	18	22	16	20	30	22	18	32	24
Percent of Reference	53	47	58	42	53	79	58	47	84	63
Assessment Designation	Moderately	Moderately	Slightly	Moderately	Moderately	Slightly	Slightly	Moderately	Non	Slightly

	SUSQ 149									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	253	269	233	278	279	237	228	227	135	227
Taxa Richness	18	17	20	18	17	17	17	14	17	13
Hilsenhoff Biotic Index	4.59	4.59	4.77	4.97	4.41	4.29	4.08	3.75	3.81	4.35
Percent Ephemeroptera	12.65	8.92	24.46	7.19	4.66	34.60	30.26	42.29	55.56	16.30
Percent Dominant Taxa	45.45	57.99	36.05	70.86	54.12	33.33	28.07	40.53	24.44	21.15
EPT Index	11	9	12	12	11	10	12	9	13	8
Percent Chironomidae	0.40	0.74	3.00	3.24	3.94	5.91	14.04	3.96	8.89	10.13
Shannon-Weiner Diversity Index	2.01	1.65	2.36	1.32	1.64	2.02	1.95	1.81	2.30	2.12
Percent of Reference										
Taxa Richness	64.29	60.71	71.43	64.29	60.71	60.71	60.71	50.00	60.71	46.43
Hilsenhoff Biotic Index	66.62	66.71	64.12	61.55	69.35	71.38	74.94	81.62	80.21	70.31
Percent Ephemeroptera	12.65	8.92	24.46	7.19	4.66	34.60	30.26	42.29	55.56	16.30
Percent Dominant Taxa	45.45	57.99	36.05	70.86	54.12	33.33	28.07	40.53	24.44	21.15
EPT Index	64.71	52.94	70.59	70.59	64.71	58.82	70.59	52.94	76.47	47.06
Percent Chironomidae	0.40	0.74	3.00	3.24	3.94	5.91	14.04	3.96	8.89	10.13
Shannon-Weiner Diversity Index	74.43	61.07	87.38	48.90	60.67	74.74	72.38	67.12	85.05	78.47
Biological Condition Scores										
Taxa Richness	4	4	4	4	4	4	4	2	4	2
Hilsenhoff Biotic Index	2	2	2	2	2	4	4	4	4	4
Percent Ephemeroptera	4	2	4	2	2	6	6	6	6	4
Percent Dominant Taxa	0	0	2	0	0	2	4	0	4	4
EPT Index	0	0	2	2	0	0	2	0	2	0
Percent Chironomidae	6	6	6	6	6	4	4	6	4	4
Shannon-Weiner Diversity Index	4	4	6	2	4	4	4	4	6	6
Total Biological Score										
Total Biological Score	20	18	26	18	18	24	28	22	30	24
Percent of Reference	53	47	68	47	47	63	74	58	79	63
Assessment Designation	Moderately	Moderately	Slightly	Moderately	Moderately	Slightly	Slightly	Slightly	Slightly	Slightly

	SUSQ 157									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	307	240	215	230	219	251	324	239	262	242
Taxa Richness	16	17	15	17	21	13	13	16	13	15
Hilsenhoff Biotic Index	4.63	4.58	5.01	4.87	4.54	4.52	5.06	4.47	3.88	4.68
Percent Ephemeroptera	11.07	15.83	9.30	8.26	9.59	44.22	11.11	31.80	32.44	13.22
Percent Dominant Taxa	26.06	33.33	63.26	31.74	27.40	33.86	26.85	30.54	30.15	42.15
EPT Index	10	10	8	11	12	10	9	11	9	11
Percent Chironomidae	19.22	12.92	9.77	13.48	14.16	19.52	26.85	15.48	14.12	17.36
Shannon-Weiner Diversity Index	2.11	2.11	1.50	2.17	2.20	1.87	1.95	2.00	1.73	1.82
Percent of Reference										
Taxa Richness	57.14	60.71	53.57	60.71	75.00	46.43	46.43	57.14	46.43	53.57
Hilsenhoff Biotic Index	66.11	66.82	61.03	62.90	67.35	67.73	60.49	68.41	78.83	65.36
Percent Ephemeroptera	11.07	15.83	9.30	8.26	9.59	44.22	11.11	31.80	32.44	13.22
Percent Dominant Taxa	26.06	33.33	63.26	31.74	27.40	33.86	26.85	30.54	30.15	42.15
EPT Index	58.82	58.82	47.06	64.71	70.59	58.82	52.94	64.71	52.94	64.71
Percent Chironomidae	19.22	12.92	9.77	13.48	14.16	19.52	26.85	15.48	14.12	17.36
Shannon-Weiner Diversity Index	78.07	78.14	55.39	80.28	81.38	69.39	72.04	74.23	64.03	67.24
Biological Condition Scores										
Taxa Richness	2	4	2	4	4	2	2	2	2	2
Hilsenhoff Biotic Index	2	2	2	2	2	2	2	2	4	2
Percent Ephemeroptera	4	4	2	2	2	6	4	6	6	4
Percent Dominant Taxa	4	2	0	2	4	2	4	2	2	0
EPT Index	0	0	0	0	2	0	0	0	0	0
Percent Chironomidae	4	4	4	4	4	4	2	4	4	4
Shannon-Weiner Diversity Index	6	6	4	6	6	4	4	4	4	4
Total Biological Score										
Total Biological Score	22	22	14	20	24	20	18	20	22	16
Percent of Reference	58	58	37	53	63	53	47	53	58	42
Assessment Designation	Slightly	Slightly	Moderately	Moderately	Slightly	Moderately	Moderately	Moderately	Slightly	Moderately

	SUSQ 174									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	399	422	343	346	227	270	6	4	195	86
Taxa Richness	17	19	17	11	15	20	5	3	17	15
Hilsenhoff Biotic Index	5.38	5.31	5.28	5.16	4.72	4.00	5.83	5.00	4.82	4.50
Percent Ephemeroptera	13.53	15.40	22.16	21.97	26.87	49.26	0.00	25.00	45.64	51.16
Percent Dominant Taxa	59.40	48.82	58.89	48.27	50.66	42.59	33.33	50.00	31.79	30.23
EPT Index	12	11	12	8	10	13	1	1	10	9
Percent Chironomidae	59.40	48.82	58.89	48.27	6.61	17.04	33.33	50.00	31.79	24.42
Shannon-Weiner Diversity Index	1.33	1.50	1.38	1.41	1.65	1.98	1.56	1.04	1.87	2.03
Percent of Reference										
Taxa Richness	60.71	67.86	60.71	39.29	53.57	71.43	17.86	10.71	60.71	53.57
Hilsenhoff Biotic Index	56.84	57.60	57.99	59.25	64.80	76.43	52.46	61.20	63.48	68.00
Percent Ephemeroptera	13.53	15.40	22.16	21.97	26.87	49.26	0.00	25.00	45.64	51.16
Percent Dominant Taxa	59.40	48.82	58.89	48.27	50.66	42.59	33.33	50.00	31.79	30.23
EPT Index	70.59	64.71	70.59	47.06	58.82	76.47	5.88	5.88	58.82	52.94
Percent Chironomidae	59.40	48.82	58.89	48.27	6.61	17.04	33.33	50.00	31.79	24.42
Shannon-Weiner Diversity Index	49.41	55.56	51.01	52.07	61.13	73.50	57.80	38.51	69.30	75.03
Biological Condition Scores										
Taxa Richness	4	4	4	0	2	4	0	0	4	2
Hilsenhoff Biotic Index	2	2	2	2	2	4	2	2	2	2
Percent Ephemeroptera	4	4	4	4	6	6	0	6	6	6
Percent Dominant Taxa	0	0	0	0	0	0	2	0	2	2
EPT Index	2	0	2	0	0	2	0	0	0	0
Percent Chironomidae	0	0	0	0	4	4	2	0	2	2
Shannon-Weiner Diversity Index	2	4	4	4	4	4	4	2	4	6
Total Biological Score										
Total Biological Score	14	14	16	10	18	24	10	10	20	20
Percent of Reference	37	37	42	26	47	63	26	26	53	53
Assessment Designation	Moderately	Moderately	Moderately	Moderately	Moderately	Slightly	Moderately	Moderately	Moderately	Moderately

	SUSQ 192						
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB3**	**RB4**
Number of Individuals	275	269	310	249	290	316	252
Taxa Richness	17	15	16	19	21	11	13
Hilsenhoff Biotic Index	4.27	4.22	4.19	4.00	4.21	4.31	3.51
Percent Ephemeroptera	18.91	15.61	13.55	22.49	14.83	44.30	58.73
Percent Dominant Taxa	23.27	26.39	30.00	24.10	23.10	39.87	56.75
EPT Index	13	11	13	14	14	9	12
Percent Chironomidae	5.45	8.92	8.39	6.83	11.03	36.08	8.73
Shannon-Weiner Diversity Index	2.34	2.22	2.22	2.37	2.25	1.53	1.48
Percent of Reference							
Taxa Richness	60.71	53.57	57.14	67.86	75.00	39.29	46.43
Hilsenhoff Biotic Index	71.74	72.46	73.03	76.42	72.68	71.00	87.23
Percent Ephemeroptera	18.91	15.61	13.55	22.49	14.83	44.30	58.73
Percent Dominant Taxa	23.27	26.39	30.00	24.10	23.10	39.87	56.75
EPT Index	76.47	64.71	76.47	82.35	82.35	52.94	70.59
Percent Chironomidae	5.45	8.92	8.39	6.83	11.03	36.08	8.73
Shannon-Weiner Diversity Index	86.55	82.15	82.35	87.79	83.23	56.71	54.88
Biological Condition Scores							
Taxa Richness	4	2	2	4	4	0	2
Hilsenhoff Biotic Index	4	4	4	4	4	4	6
Percent Ephemeroptera	4	4	4	4	4	6	6
Percent Dominant Taxa	4	4	4	4	4	2	0
EPT Index	2	0	2	4	4	0	2
Percent Chironomidae	4	4	4	4	4	0	4
Shannon-Weiner Diversity Index	6	6	6	6	6	4	4
Total Biological Score							
Total Biological Score	28	24	26	30	30	16	24
Percent of Reference	74	63	68	79	79	42	63
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Slightly	Moderate	Slightly

	SUSQ 207								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB5**
Number of Individuals	229	216	220	219	250	211	231	224	239
Taxa Richness	20	16	17	20	21	12	14	12	13
Hilsenhoff Biotic Index	4.28	4.38	4.77	4.60	4.42	4.28	4.46	3.59	4.19
Percent Ephemeroptera	47.16	35.65	36.82	36.07	47.20	53.55	44.59	76.34	54.39
Percent Dominant Taxa	26.64	20.83	22.27	26.03	30.40	39.81	29.44	71.88	39.75
EPT Index	13	11	10	11	14	9	10	8	9
Percent Chironomidae	7.42	7.41	6.36	5.02	5.60	15.17	11.26	6.70	9.21
Shannon-Weiner Diversity Index	2.42	2.43	2.33	2.35	2.37	1.95	2.02	1.14	1.86
Percent of Reference									
Taxa Richness	71.43	57.14	60.71	71.43	75.00	42.86	50.00	42.86	46.43
Hilsenhoff Biotic Index	71.43	69.87	64.11	66.55	69.17	71.50	68.63	85.25	72.99
Percent Ephemeroptera	47.16	35.65	36.82	36.07	47.20	53.55	44.59	76.34	54.39
Percent Dominant Taxa	26.64	20.83	22.27	26.03	30.40	39.81	29.44	71.88	39.75
EPT Index	76.47	64.71	58.82	64.71	82.35	52.94	58.82	47.06	52.94
Percent Chironomidae	7.42	7.41	6.36	5.02	5.60	15.17	11.26	6.70	9.21
Shannon-Weiner Diversity Index	89.51	90.06	86.17	87.06	87.90	72.09	74.75	42.36	68.73
Biological Condition Scores									
Taxa Richness	4	2	4	4	4	2	2	2	2
Hilsenhoff Biotic Index	4	2	2	2	2	4	2	6	4
Percent Ephemeroptera	6	6	6	6	6	6	6	6	6
Percent Dominant Taxa	4	4	4	4	2	2	4	0	2
EPT Index	2	0	0	0	4	0	0	0	0
Percent Chironomidae	4	4	4	4	4	4	4	4	4
Shannon-Weiner Diversity Index	6	6	6	6	6	4	4	2	4
Total Biological Score									
Total Biological Score	30	24	26	26	28	22	22	20	22
Percent of Reference	79	63	68	68	74	58	58	53	58
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly	Moderate	Slightly

	SUSQ 219								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**
Number of Individuals	293	215	212	225	214	100	202	255	229
Taxa Richness	22	9	20	17	19	18	19	15	14
Hilsenhoff Biotic Index	4.54	5.18	4.90	4.70	4.80	4.33	5.33	3.62	3.84
Percent Ephemeroptera	22.18	0.47	11.79	23.56	10.75	49.00	15.35	52.16	51.97
Percent Dominant Taxa	55.63	49.30	39.15	19.56	27.57	30.00	31.19	49.80	47.16
EPT Index	12	1	10	12	13	11	6	10	12
Percent Chironomidae	3.07	1.40	3.30	5.33	27.57	7.00	6.93	0.39	3.49
Shannon-Weiner Diversity Index	1.82	1.51	2.18	2.35	2.10	2.26	2.12	1.70	1.75
Percent of Reference									
Taxa Richness	78.57	32.14	71.43	60.71	67.86	64.29	67.86	53.57	50.00
Hilsenhoff Biotic Index	67.46	59.11	62.44	65.08	63.76	70.67	57.39	84.63	79.63
Percent Ephemeroptera	22.18	0.47	11.79	23.56	10.75	49.00	15.35	52.16	51.97
Percent Dominant Taxa	55.63	49.30	39.15	19.56	27.57	30.00	31.19	49.80	47.16
EPT Index	70.59	5.88	58.82	70.59	76.47	64.71	35.29	58.82	70.59
Percent Chironomidae	3.07	1.40	3.30	5.33	27.57	7.00	6.93	0.39	3.49
Shannon-Weiner Diversity Index	67.25	55.85	80.79	86.98	77.85	83.61	78.51	63.01	64.71
Biological Condition Scores									
Taxa Richness	4	0	4	4	4	4	4	2	2
Hilsenhoff Biotic Index	2	2	2	2	2	4	2	4	4
Percent Ephemeroptera	4	0	4	4	4	6	4	6	6
Percent Dominant Taxa	0	0	2	6	4	4	2	0	0
EPT Index	2	0	0	2	2	0	0	0	2
Percent Chironomidae	6	6	6	4	2	4	4	6	6
Shannon-Weiner Diversity Index	4	4	6	6	6	6	6	4	4
Total Biological Score									
Total Biological Score	22	12	24	28	24	28	22	22	24
Percent of Reference	58	32	63	74	63	74	58	58	63
Assessment Designation	Slightly	Moderate	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly

	SUSQ 234								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**
Number of Individuals	214	219	226	230	223	247	268	251	251
Taxa Richness	16	17	17	14	16	15	11	14	20
Hilsenhoff Biotic Index	4.86	4.72	4.88	4.98	4.43	4.30	4.50	4.41	4.44
Percent Ephemeroptera	17.76	22.37	24.34	24.78	36.32	49.80	30.60	29.08	33.86
Percent Dominant Taxa	25.70	24.66	28.76	28.70	34.08	47.77	37.31	31.47	31.87
EPT Index	8	10	9	9	10	8	9	10	11
Percent Chironomidae	23.83	24.66	28.76	28.70	21.08	13.77	16.79	11.55	15.54
Shannon-Weiner Diversity Index	2.08	2.09	1.98	2.02	1.92	1.65	1.57	1.78	1.85
Percent of Reference									
Taxa Richness	57.14	60.71	60.71	50.00	57.14	53.57	39.29	50.00	71.43
Hilsenhoff Biotic Index	63.03	64.81	62.75	61.47	69.07	71.17	68.00	69.44	68.95
Percent Ephemeroptera	17.76	22.37	24.34	24.78	36.32	49.80	30.60	29.08	33.86
Percent Dominant Taxa	25.70	24.66	28.76	28.70	34.08	47.77	37.31	31.47	31.87
EPT Index	47.06	58.82	52.94	52.94	58.82	47.06	52.94	58.82	64.71
Percent Chironomidae	23.83	24.66	28.76	28.70	21.08	13.77	16.79	11.55	15.54
Shannon-Weiner Diversity Index	77.00	77.33	73.29	74.77	71.26	61.04	58.08	65.93	68.58
Biological Condition Scores									
Taxa Richness	2	4	4	2	2	2	0	2	4
Hilsenhoff Biotic Index	2	2	2	2	2	4	2	2	2
Percent Ephemeroptera	4	4	4	4	6	6	6	6	6
Percent Dominant Taxa	4	4	4	4	2	0	2	2	2
EPT Index	0	0	0	0	0	0	0	0	0
Percent Chironomidae	2	2	2	2	2	4	4	4	4
Shannon-Weiner Diversity Index	6	6	4	4	4	4	4	4	4
Total Biological Score									
Total Biological Score	20	22	20	18	18	20	18	20	22
Percent of Reference	53	58	53	47	47	53	47	53	58
Assessment Designation	Moderate	Slightly	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Slightly

	SUSQ 256						
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB2**	**RB5**
Number of Individuals	217	209	219	212	229	279	199
Taxa Richness	17	15	14	16	16	14	12
Hilsenhoff Biotic Index	5.22	5.19	4.89	5.02	5.17	4.77	4.95
Percent Ephemeroptera	11.52	12.44	14.16	6.13	15.28	15.05	26.63
Percent Dominant Taxa	49.77	28.23	20.09	27.83	23.14	34.77	24.62
EPT Index	8	7	8	9	9	9	8
Percent Chironomidae	49.77	20.57	20.09	27.83	23.14	24.73	18.59
Shannon-Weiner Diversity Index	1.85	2.08	2.15	2.09	2.20	1.83	1.97
Percent of Reference							
Taxa Richness	60.71	53.57	50.00	57.14	57.14	50.00	42.86
Hilsenhoff Biotic Index	58.61	59.00	62.57	60.97	59.23	64.14	61.82
Percent Ephemeroptera	11.52	12.44	14.16	6.13	15.28	15.05	26.63
Percent Dominant Taxa	49.77	28.23	20.09	27.83	23.14	34.77	24.62
EPT Index	47.06	41.18	47.06	52.94	52.94	52.94	47.06
Percent Chironomidae	49.77	20.57	20.09	27.83	23.14	24.73	18.59
Shannon-Weiner Diversity Index	68.64	77.21	79.45	77.44	81.32	67.74	73.01
Biological Condition Scores							
Taxa Richness	4	2	2	2	2	2	2
Hilsenhoff Biotic Index	2	2	2	2	2	2	2
Percent Ephemeroptera	4	4	4	2	4	4	6
Percent Dominant Taxa	0	4	4	4	4	2	4
EPT Index	0	0	0	0	0	0	0
Percent Chironomidae	0	4	4	2	2	2	4
Shannon-Weiner Diversity Index	4	6	6	6	6	4	4
Total Biological Score							
Total Biological Score	14	22	22	18	20	16	22
Percent of Reference	37	58	58	47	53	42	58
Assessment Designation	Moderate	Slightly	Slightly	Moderate	Moderate	Moderate	Slightly

	SUSQ 271						
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB4**	**RB5**
Number of Individuals	229	252	256	242	259	264	137
Taxa Richness	19	16	19	23	21	11	19
Hilsenhoff Biotic Index	4.65	4.85	4.92	4.89	4.83	5.06	4.55
Percent Ephemeroptera	16.16	19.44	19.53	19.01	15.06	7.95	43.07
Percent Dominant Taxa	26.64	25.40	31.25	19.42	25.10	43.56	28.47
EPT Index	10	9	11	13	11	10	12
Percent Chironomidae	10.04	20.24	10.94	11.98	11.58	21.59	21.90
Shannon-Weiner Diversity Index	2.42	2.09	2.25	2.56	2.48	1.54	2.26
Percent of Reference							
Taxa Richness	67.86	57.14	67.86	82.14	75.00	39.29	67.86
Hilsenhoff Biotic Index	65.80	63.05	62.22	62.60	63.40	60.42	67.29
Percent Ephemeroptera	16.16	19.44	19.53	19.01	15.06	7.95	43.07
Percent Dominant Taxa	26.64	25.40	31.25	19.42	25.10	43.56	28.47
EPT Index	58.82	52.94	64.71	76.47	64.71	58.82	70.59
Percent Chironomidae	10.04	20.24	10.94	11.98	11.58	21.59	21.90
Shannon-Weiner Diversity Index	89.55	77.34	83.25	94.94	91.96	57.01	83.55
Biological Condition Scores							
Taxa Richness	4	2	4	6	4	0	4
Hilsenhoff Biotic Index	2	2	2	2	2	2	2
Percent Ephemeroptera	4	4	4	4	4	2	6
Percent Dominant Taxa	4	4	2	6	4	0	4
EPT Index	0	0	0	2	0	0	2
Percent Chironomidae	4	4	4	4	4	2	2
Shannon-Weiner Diversity Index	6	6	6	6	6	4	6
Total Biological Score							
Total Biological Score	24	22	22	30	24	10	26
Percent of Reference	63	58	58	79	63	26	68
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Slightly	Moderate	Slightly

	SUSQ 300								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB5**
Number of Individuals	240	227	234	223	304	277	237	274	224
Taxa Richness	20	18	15	19	17	14	10	16	17
Hilsenhoff Biotic Index	4.98	4.70	4.87	4.83	5.21	4.67	4.53	4.55	5.56
Percent Ephemeroptera	22.08	29.07	16.67	17.04	15.13	24.19	35.86	22.99	19.64
Percent Dominant Taxa	25.42	40.09	26.07	29.60	27.63	21.66	35.02	32.48	21.88
EPT Index	11	10	11	12	7	9	8	11	10
Percent Chironomidae	6.67	4.85	5.98	11.66	22.04	14.44	6.75	17.88	15.18
Shannon-Weiner Diversity Index	2.26	2.10	2.21	2.31	2.16	2.04	1.61	1.95	2.04
Percent of Reference									
Taxa Richness	71.43	64.29	53.57	67.86	60.71	50.00	35.71	57.14	60.71
Hilsenhoff Biotic Index	61.40	65.04	62.81	63.30	58.69	65.50	67.59	67.24	55.01
Percent Ephemeroptera	22.08	29.07	16.67	17.04	15.13	24.19	35.86	22.99	19.64
Percent Dominant Taxa	25.42	40.09	26.07	29.60	27.63	21.66	35.02	32.48	21.88
EPT Index	64.71	58.82	64.71	70.59	41.18	52.94	47.06	64.71	58.82
Percent Chironomidae	6.67	4.85	5.98	11.66	22.04	14.44	6.75	17.88	15.18
Shannon-Weiner Diversity Index	83.79	77.90	81.72	85.64	79.99	75.42	59.73	72.21	75.72
Biological Condition Scores									
Taxa Richness	4	4	2	4	4	2	0	2	4
Hilsenhoff Biotic Index	2	2	2	2	2	2	2	2	2
Percent Ephemeroptera	4	6	4	4	4	4	6	4	4
Percent Dominant Taxa	4	0	4	4	4	4	2	2	4
EPT Index	0	0	0	2	0	0	0	0	0
Percent Chironomidae	4	6	4	4	2	4	4	4	4
Shannon-Weiner Diversity Index	6	6	6	6	6	6	4	4	6
Total Biological Score									
Total Biological Score	24	24	22	26	22	22	18	18	24
Percent of Reference	63	63	58	68	58	58	47	47	63
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Slightly	Slightly	Moderate	Moderate	Slightly

	SUSQ 312									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	259	233	223	224	244	250	226	229	225	270
Taxa Richness	21	20	17	16	19	16	14	15	17	18
Hilsenhoff Biotic Index	4.85	5.05	5.12	4.96	4.68	5.63	5.36	4.94	4.62	4.64
Percent Ephemeroptera	14.67	11.16	17.94	23.66	23.36	3.20	12.39	20.52	32.89	34.07
Percent Dominant Taxa	19.31	24.89	33.63	41.96	19.26	25.20	46.02	39.74	35.11	28.52
EPT Index	9	11	11	7	10	5	9	10	10	13
Percent Chironomidae	11.58	4.29	4.04	4.46	4.10	18.00	7.96	6.11	7.11	16.30
Shannon-Weiner Diversity Index	2.44	2.33	2.15	1.85	2.48	2.12	1.85	1.92	1.81	2.01
Percent of Reference										
Taxa Richness	75.00	71.43	60.71	57.14	67.86	57.14	50.00	53.57	60.71	64.29
Hilsenhoff Biotic Index	63.15	60.58	59.75	61.70	65.44	54.37	57.11	61.90	66.27	65.99
Percent Ephemeroptera	14.67	11.16	17.94	23.66	23.36	3.20	12.39	20.52	32.89	34.07
Percent Dominant Taxa	19.31	24.89	33.63	41.96	19.26	25.20	46.02	39.74	35.11	28.52
EPT Index	52.94	64.71	64.71	41.18	58.82	29.41	52.94	58.82	58.82	76.47
Percent Chironomidae	11.58	4.29	4.04	4.46	4.10	18.00	7.96	6.11	7.11	16.30
Shannon-Weiner Diversity Index	90.53	86.33	79.50	68.69	91.85	78.42	68.33	71.08	67.19	74.40
Biological Condition Scores										
Taxa Richness	4	4	4	2	4	2	2	2	4	4
Hilsenhoff Biotic Index	2	2	2	2	2	2	2	2	2	2
Percent Ephemeroptera	4	4	4	4	4	2	4	4	6	6
Percent Dominant Taxa	6	4	2	0	6	4	0	2	2	4
EPT Index	0	0	0	0	0	0	0	0	0	2
Percent Chironomidae	4	6	6	6	6	4	4	4	4	4
Shannon-Weiner Diversity Index	6	6	6	4	6	6	4	4	4	4
Total Biological Score										
Total Biological Score	26	26	24	18	28	20	16	18	22	26
Percent of Reference	68	68	63	47	74	53	42	47	58	68
Assessment Designation	Slightly	Slightly	Slightly	Moderately	Slightly	Moderate	Moderately	Moderately	Slightly	Slightly

	SUSQ 327						
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB3**	**RB4**
Number of Individuals	289	269	234	238	314	264	290
Taxa Richness	20	15	17	18	11	8	15
Hilsenhoff Biotic Index	4.91	5.45	5.50	5.51	5.62	5.34	5.59
Percent Ephemeroptera	6.57	2.23	4.27	4.62	0.96	6.06	7.24
Percent Dominant Taxa	42.56	29.00	48.72	38.24	54.78	36.36	57.24
EPT Index	7	8	7	8	2	4	6
Percent Chironomidae	10.03	10.41	5.98	10.92	54.78	19.32	18.62
Shannon-Weiner Diversity Index	2.03	2.01	1.71	1.64	1.37	1.44	1.42
Percent of Reference							
Taxa Richness	71.43	53.57	60.71	64.29	39.29	28.57	53.57
Hilsenhoff Biotic Index	62.32	56.19	55.68	55.55	54.47	57.25	54.78
Percent Ephemeroptera	6.57	2.23	4.27	4.62	0.96	6.06	7.24
Percent Dominant Taxa	42.56	29.00	48.72	38.24	54.78	36.36	57.24
EPT Index	41.18	47.06	41.18	47.06	11.76	23.53	35.29
Percent Chironomidae	10.03	10.41	5.98	10.92	54.78	19.32	18.62
Shannon-Weiner Diversity Index	75.34	74.32	63.30	60.73	50.70	53.52	52.60
Biological Condition Scores							
Taxa Richness	4	2	4	4	0	0	2
Hilsenhoff Biotic Index	2	2	2	2	2	2	2
Percent Ephemeroptera	2	0	2	2	0	2	2
Percent Dominant Taxa	0	4	0	2	0	2	0
EPT Index	0	0	0	0	0	0	0
Percent Chironomidae	4	4	4	4	0	4	4
Shannon-Weiner Diversity Index	6	4	4	4	4	4	4
Total Biological Score							
Total Biological Score	18	16	16	18	6	14	14
Percent of Reference	47	42	42	47	16	37	37
Assessment Designation	Moderate	Moderate	Moderate	Moderate	Severe	Moderate	Moderate

	SUSQ 344									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	254	310	246	279	290	253	246	280	310	242
Taxa Richness	20	20	16	19	18	13	19	18	18	14
Hilsenhoff Biotic Index	4.25	4.25	4.45	4.25	4.37	4.11	3.92	3.94	4.25	3.72
Percent Ephemeroptera	25.59	19.35	6.10	11.47	11.38	40.71	50.41	46.79	15.81	64.05
Percent Dominant Taxa	24.41	29.35	56.50	45.16	46.90	37.94	47.97	40.71	16.77	61.57
EPT Index	13	10	11	11	12	10	13	11	12	9
Percent Chironomidae	2.76	4.84	2.03	3.58	3.79	9.49	9.35	7.50	13.23	9.50
Shannon-Weiner Diversity Index	2.45	2.40	1.72	1.94	1.99	1.87	1.89	2.12	2.35	1.48
Percent of Reference										
Taxa Richness	71.43	71.43	57.14	67.86	64.29	46.43	67.86	64.29	64.29	50.00
Hilsenhoff Biotic Index	71.97	72.03	68.75	71.98	69.98	74.37	78.09	77.68	71.97	82.28
Percent Ephemeroptera	25.59	19.35	6.10	11.47	11.38	40.71	50.41	46.79	15.81	64.05
Percent Dominant Taxa	24.41	29.35	56.50	45.16	46.90	37.94	47.97	40.71	16.77	61.57
EPT Index	76.47	58.82	64.71	64.71	70.59	58.82	76.47	64.71	70.59	52.94
Percent Chironomidae	2.76	4.84	2.03	3.58	3.79	9.49	9.35	7.50	13.23	9.50
Shannon-Weiner Diversity Index	90.77	88.76	63.58	71.96	73.77	69.44	70.06	78.43	86.93	54.66
Biological Condition Scores										
Taxa Richness	4	4	2	4	4	2	4	4	4	2
Hilsenhoff Biotic Index	4	4	2	4	2	4	4	4	4	4
Percent Ephemeroptera	6	4	2	4	4	6	6	6	4	6
Percent Dominant Taxa	4	4	0	0	0	2	0	0	6	0
EPT Index	2	0	0	0	2	0	2	0	2	0
Percent Chironomidae	6	6	6	6	6	4	4	4	4	4
Shannon-Weiner Diversity Index	6	6	4	4	4	4	4	6	6	4
Total Biological Score										
Total Biological Score	32	28	16	22	22	22	24	24	30	20
Percent of Reference	84	74	42	58	58	58	63	63	79	53
Assessment Designation	Non	Slightly	Moderate	Slightly	Slightly	Slightly	Moderately	Moderately	Slightly	Moderately

	SUSQ 356									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	248	223	280	368	259	283	272	247	269	287
Taxa Richness	22	19	14	14	14	25	19	17	28	25
Hilsenhoff Biotic Index	4.50	4.60	4.51	4.84	4.50	4.67	3.92	3.66	4.56	4.58
Percent Ephemeroptera	26.61	26.46	34.29	28.53	35.52	39.93	55.51	68.42	19.70	27.87
Percent Dominant Taxa	25.81	32.29	37.14	30.98	33.20	23.67	45.96	65.18	29.74	18.12
EPT Index	11	9	8	9	8	15	13	12	17	13
Percent Chironomidae	8.06	13.00	7.50	30.98	16.60	13.07	4.78	3.64	29.74	11.50
Shannon-Weiner Diversity Index	2.27	2.10	1.64	1.66	1.95	2.35	1.91	1.38	2.55	2.50
Percent of Reference										
Taxa Richness	78.57	67.86	50.00	50.00	50.00	89.29	67.86	60.71	100.00	89.29
Hilsenhoff Biotic Index	68.06	66.57	67.78	63.23	68.03	65.51	78.08	83.70	67.09	66.78
Percent Ephemeroptera	26.61	26.46	34.29	28.53	35.52	39.93	55.51	68.42	19.70	27.87
Percent Dominant Taxa	25.81	32.29	37.14	30.98	33.20	23.67	45.96	65.18	29.74	18.12
EPT Index	64.71	52.94	47.06	52.94	47.06	88.24	76.47	70.59	100.00	76.47
Percent Chironomidae	8.06	13.00	7.50	30.98	16.60	13.07	4.78	3.64	29.74	11.50
Shannon-Weiner Diversity Index	83.93	77.67	60.64	61.62	72.13	87.16	70.82	50.95	94.56	92.54
Biological Condition Scores										
Taxa Richness	4	4	2	2	2	6	4	4	6	6
Hilsenhoff Biotic Index	2	2	2	2	2	2	4	4	2	2
Percent Ephemeroptera	6	6	6	6	6	6	6	6	4	6
Percent Dominant Taxa	4	2	2	2	2	4	0	0	4	6
EPT Index	0	0	0	0	0	4	2	2	6	2
Percent Chironomidae	4	4	4	2	4	4	6	6	2	4
Shannon-Weiner Diversity Index	6	6	4	4	4	6	4	4	6	6
Total Biological Score										
Total Biological Score	26	24	20	18	20	32	26	26	30	32
Percent of Reference	68	63	53	47	53	84	68	68	79	84
Assessment Designation	Slightly	Slightly	Moderately	Moderately	Moderately	Non	Slightly	Slightly	Slightly	Non

	SUSQ 365									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	213	191	279	229	252	265	242	249	247	220
Taxa Richness	19	18	21	20	23	22	19	20	23	17
Hilsenhoff Biotic Index	4.53	4.53	4.24	4.52	4.19	3.66	4.05	4.35	3.81	3.34
Percent Ephemeroptera	9.86	6.81	22.22	12.66	19.05	54.72	30.58	20.88	35.63	75.00
Percent Dominant Taxa	25.82	22.51	21.15	19.21	14.29	47.55	23.97	32.53	25.51	67.73
EPT Index	11	10	12	11	14	15	14	15	15	9
Percent Chironomidae	1.41	3.66	7.17	6.55	4.76	12.08	4.96	10.44	5.26	1.82
Shannon-Weiner Diversity Index	2.15	2.36	2.40	2.56	2.70	2.07	2.29	2.16	2.52	1.37
Percent of Reference										
Taxa Richness	67.86	64.29	75.00	71.43	82.14	78.57	67.86	71.43	82.14	60.71
Hilsenhoff Biotic Index	67.61	67.57	72.17	67.64	72.95	83.51	75.56	70.35	80.24	91.72
Percent Ephemeroptera	9.86	6.81	22.22	12.66	19.05	54.72	30.58	20.88	35.63	75.00
Percent Dominant Taxa	25.82	22.51	21.15	19.21	14.29	47.55	23.97	32.53	25.51	67.73
EPT Index	64.71	58.82	70.59	64.71	82.35	88.24	82.35	88.24	88.24	52.94
Percent Chironomidae	1.41	3.66	7.17	6.55	4.76	12.08	4.96	10.44	5.26	1.82
Shannon-Weiner Diversity Index	79.75	87.50	88.83	94.99	99.84	76.85	84.71	79.93	93.45	50.92
Biological Condition Scores										
Taxa Richness	4	4	4	4	6	4	4	4	6	4
Hilsenhoff Biotic Index	2	2	4	2	4	4	4	4	4	6
Percent Ephemeroptera	2	2	4	4	4	6	6	4	6	6
Percent Dominant Taxa	4	4	4	6	6	0	4	2	4	0
EPT Index	0	0	2	0	4	4	4	4	4	0
Percent Chironomidae	6	6	4	4	6	4	6	4	4	6
Shannon-Weiner Diversity Index	6	6	6	6	6	6	6	6	6	4
Total Biological Score										
Total Biological Score	24	24	28	26	36	28	34	28	34	26
Percent of Reference	63	63	74	68	95	74	89	74	89	68
Assessment Designation	Slightly	Slightly	Slightly	Slightly	Non	Slightly	Non	Slightly	Non	Slightly

	SUSQ 394									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	288	241	245	274	315	251	231	321	259	277
Taxa Richness	22	25	22	20	22	22	18	18	19	22
Hilsenhoff Biotic Index	4.05	3.93	4.29	4.24	4.23	3.89	4.79	4.02	4.02	3.66
Percent Ephemeroptera	18.75	22.41	22.86	20.07	19.37	57.37	33.77	40.81	46.72	73.65
Percent Dominant Taxa	13.54	38.17	12.65	26.28	20.95	26.29	42.86	32.40	32.82	51.99
EPT Index	13	15	12	13	14	10	9	13	14	14
Percent Chironomidae	5.90	0.83	4.08	4.74	16.51	18.33	8.23	10.59	4.25	14.08
Shannon-Weiner Diversity Index	2.61	2.25	2.69	2.51	2.58	2.24	1.98	2.03	2.19	1.81
Percent of Reference										
Taxa Richness	78.57	89.29	78.57	71.43	78.57	78.57	64.29	64.29	67.86	78.57
Hilsenhoff Biotic Index	75.58	77.87	71.40	72.15	72.31	78.69	63.91	76.20	76.13	83.51
Percent Ephemeroptera	18.75	22.41	22.86	20.07	19.37	57.37	33.77	40.81	46.72	73.65
Percent Dominant Taxa	13.54	38.17	12.65	26.28	20.95	26.29	42.86	32.40	32.82	51.99
EPT Index	76.47	88.24	70.59	76.47	82.35	58.82	52.94	76.47	82.35	82.35
Percent Chironomidae	5.90	0.83	4.08	4.74	16.51	18.33	8.23	10.59	4.25	14.08
Shannon-Weiner Diversity Index	96.75	83.29	99.74	92.90	95.70	82.88	73.20	75.28	81.03	67.21
Biological Condition Scores										
Taxa Richness	4	6	4	4	4	4	4	4	4	4
Hilsenhoff Biotic Index	4	4	4	4	4	4	2	4	4	4
Percent Ephemeroptera	4	4	4	4	4	6	6	6	6	6
Percent Dominant Taxa	6	2	6	4	4	4	0	2	2	0
EPT Index	2	4	2	2	4	0	0	2	4	4
Percent Chironomidae	4	6	6	6	4	4	4	4	6	4
Shannon-Weiner Diversity Index	6	6	6	6	6	6	4	6	6	4
Total Biological Score										
Total Biological Score	30	32	32	30	30	28	20	28	32	26
Percent of Reference	79	84	84	79	79	74	53	74	84	68
Assessment Designation	Slightly	Non	Non	Slightly	Slightly	Slightly	Moderately	Slightly	Non	Slightly

	JUNR 2								
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**
Number of Individuals	261	260	244	249	236	253	251	225	263
Taxa Richness	20	20	24	21	24	18	22	15	14
Hilsenhoff Biotic Index	4.42	4.10	4.36	4.05	4.86	3.70	3.88	3.77	3.75
Percent Ephemeroptera	34.87	55.00	42.62	55.42	21.19	67.59	57.77	62.67	68.82
Percent Dominant Taxa	27.97	43.08	20.90	44.58	25.85	60.47	17.93	55.11	64.64
EPT Index	11	13	17	13	14	10	15	10	10
Percent Chironomidae	3.83	3.46	2.46	2.41	1.69	5.93	8.76	3.56	1.14
Shannon-Weiner Diversity Index	2.39	2.04	2.45	2.01	2.29	1.51	2.54	1.58	1.27
Percent of Reference									
Taxa Richness	71.43	71.43	85.71	75.00	85.71	64.29	78.57	53.57	50.00
Hilsenhoff Biotic Index	69.27	74.56	70.11	75.59	62.96	82.62	78.78	81.19	81.70
Percent Ephemeroptera	34.87	55.00	42.62	55.42	21.19	67.59	57.77	62.67	68.82
Percent Dominant Taxa	27.97	43.08	20.90	44.58	25.85	60.47	17.93	55.11	64.64
EPT Index	64.71	76.47	100.00	76.47	82.35	58.82	88.24	58.82	58.82
Percent Chironomidae	3.83	3.46	2.46	2.41	1.69	5.93	8.76	3.56	1.14
Shannon-Weiner Diversity Index	88.62	75.50	90.85	74.30	84.80	55.80	93.91	58.52	47.08
Biological Condition Scores									
Taxa Richness	4	4	6	4	6	4	4	2	2
Hilsenhoff Biotic Index	2	4	4	4	2	4	4	4	4
Percent Ephemeroptera	6	6	6	6	4	6	6	6	6
Percent Dominant Taxa	4	0	4	0	4	0	6	0	0
EPT Index	0	2	6	2	4	0	4	0	0
Percent Chironomidae	6	6	6	6	6	4	4	6	6
Shannon-Weiner Diversity Index	6	6	6	4	6	4	6	4	2
Total Biological Score									
Total Biological Score	28	28	38	26	32	22	34	22	20
Percent of Reference	74	74	100	68	84	58	89	58	53
Assessment Designation	Slightly	Slightly	Non	Slightly	Non	Slightly	Non	Slightly	Moderate

	CHEM 3									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	223	221	242	258	256	208	313	258	250	251
Taxa Richness	18	21	24	22	19	18	15	14	19	21
Hilsenhoff Biotic Index	5.21	4.70	4.78	4.70	4.76	6.03	4.61	4.22	4.88	4.67
Percent Ephemeroptera	17.04	28.96	15.70	11.63	14.06	16.83	30.35	28.68	32.80	33.07
Percent Dominant Taxa	25.11	33.48	21.07	31.01	23.83	31.73	34.82	24.81	40.40	25.50
EPT Index	10	14	14	12	12	10	11	11	10	13
Percent Chironomidae	11.66	11.31	3.31	6.20	8.20	26.92	34.82	8.14	40.40	25.50
Shannon-Weiner Diversity Index	2.35	2.21	2.60	2.38	2.48	2.09	1.84	2.07	2.05	2.35
Percent of Reference										
Taxa Richness	64.29	75.00	85.71	78.57	67.86	64.29	53.57	50.00	67.86	75.00
Hilsenhoff Biotic Index	58.72	65.09	64.00	65.14	64.32	50.72	66.42	72.56	62.65	65.53
Percent Ephemeroptera	17.04	28.96	15.70	11.63	14.06	16.83	30.35	28.68	32.80	33.07
Percent Dominant Taxa	25.11	33.48	21.07	31.01	23.83	31.73	34.82	24.81	40.40	25.50
EPT Index	58.82	82.35	82.35	70.59	70.59	58.82	64.71	64.71	58.82	76.47
Percent Chironomidae	11.66	11.31	3.31	6.20	8.20	26.92	34.82	8.14	40.40	25.50
Shannon-Weiner Diversity Index	87.09	81.80	96.40	88.28	92.00	77.40	68.25	76.75	76.05	87.19
Biological Condition Scores										
Taxa Richness	4	4	6	4	4	4	2	2	4	4
Hilsenhoff Biotic Index	2	2	2	2	2	2	2	4	2	2
Percent Ephemeroptera	4	6	4	4	4	4	6	6	6	6
Percent Dominant Taxa	4	2	4	2	4	2	2	4	0	4
EPT Index	0	4	4	2	2	0	0	0	0	2
Percent Chironomidae	4	4	6	4	4	2	2	4	0	2
Shannon-Weiner Diversity Index	6	6	6	6	6	6	4	6	6	6
Total Biological Score										
Total Biological Score	24	28	32	24	26	20	18	26	18	26
Percent of Reference	63	74	84	63	68	53	47	68	47	68
Assessment Designation	Slightly	Slightly	Non	Slightly	Slightly	Moderate	Moderately	Slightly	Moderately	Slightly

	WBSR 8									
Metric Scores	**KS1**	**KS2**	**KS3**	**KS4**	**KS5**	**RB1**	**RB2**	**RB3**	**RB4**	**RB5**
Number of Individuals	207	210	232	211	222	237	266	273	257	241
Taxa Richness	27	28	23	24	20	19	17	16	22	14
Hilsenhoff Biotic Index	4.28	3.64	4.97	4.04	5.64	4.19	4.38	4.30	3.91	4.93
Percent Ephemeroptera	38.16	37.62	19.83	55.92	5.41	52.74	38.72	42.86	63.42	36.51
Percent Dominant Taxa	19.32	28.10	43.10	45.97	74.32	32.07	32.33	39.56	56.81	44.40
EPT Index	10	14	15	15	5	11	11	12	13	8
Percent Chironomidae	7.73	3.33	6.03	3.79	3.60	29.11	15.79	12.82	14.01	13.69
Shannon-Weiner Diversity Index	2.61	2.37	2.08	2.06	1.24	1.92	2.04	1.90	1.66	1.51
Percent of Reference										
Taxa Richness	96.43	100.00	82.14	85.71	71.43	67.86	60.71	57.14	78.57	50.00
Hilsenhoff Biotic Index	71.49	84.00	61.57	75.78	54.22	73.11	69.81	71.22	78.33	62.08
Percent Ephemeroptera	38.16	37.62	19.83	55.92	5.41	52.74	38.72	42.86	63.42	36.51
Percent Dominant Taxa	19.32	28.10	43.10	45.97	74.32	32.07	32.33	39.56	56.81	44.40
EPT Index	58.82	82.35	88.24	88.24	29.41	64.71	64.71	70.59	76.47	47.06
Percent Chironomidae	7.73	3.33	6.03	3.79	3.60	29.11	15.79	12.82	14.01	13.69
Shannon-Weiner Diversity Index	96.82	87.67	76.87	76.35	45.82	71.18	75.48	70.40	61.40	56.05
Biological Condition Scores										
Taxa Richness	6	6	6	6	4	4	4	2	4	2
Hilsenhoff Biotic Index	4	4	2	4	2	4	2	4	4	2
Percent Ephemeroptera	6	6	4	6	2	6	6	6	6	6
Percent Dominant Taxa	6	4	0	0	0	2	2	2	0	0
EPT Index	0	4	4	4	0	0	0	2	2	0
Percent Chironomidae	4	6	4	6	6	2	4	4	4	4
Shannon-Weiner Diversity Index	6	6	6	6	2	4	6	4	4	4
Total Biological Score										
Total Biological Score	32	36	26	32	16	22	24	24	24	18
Percent of Reference	84	95	68	84	42	58	63	63	63	47
Assessment Designation	Non	Non	Slightly	Non	Moderate	Slightly	Slightly	Slightly	Slightly	Moderate