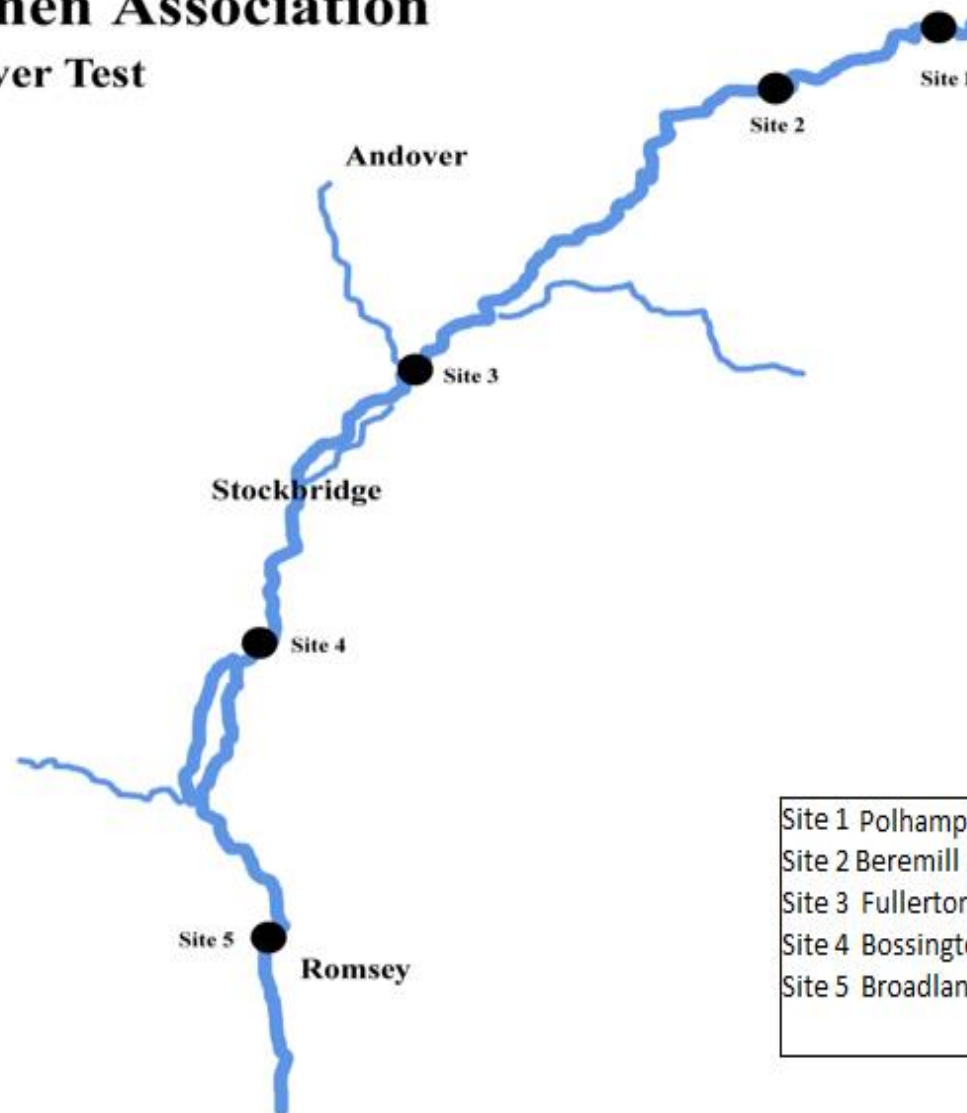


Test & Itchen Association

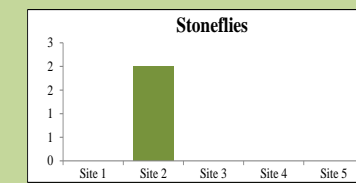
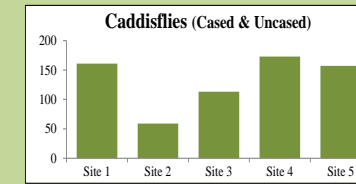
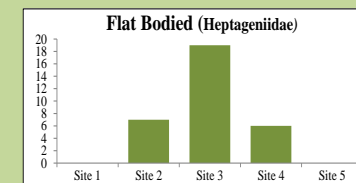
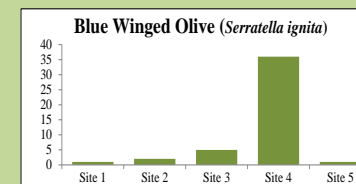
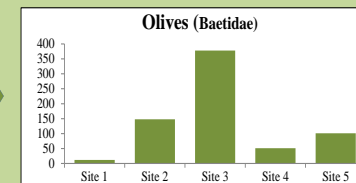
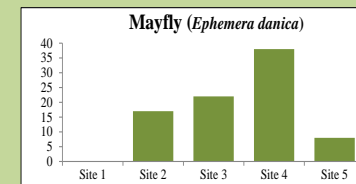
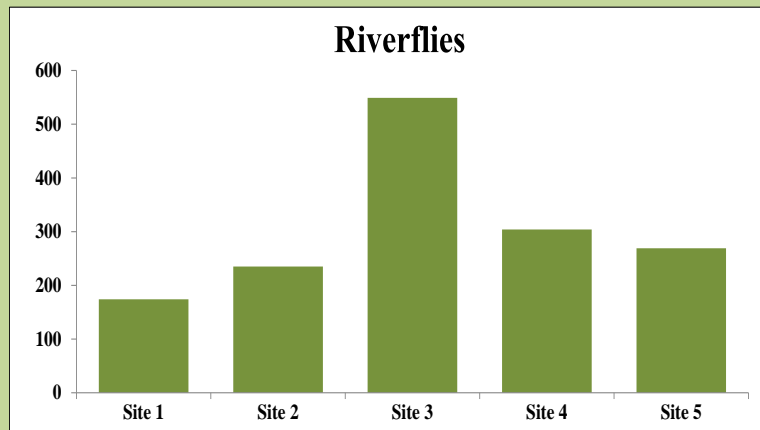
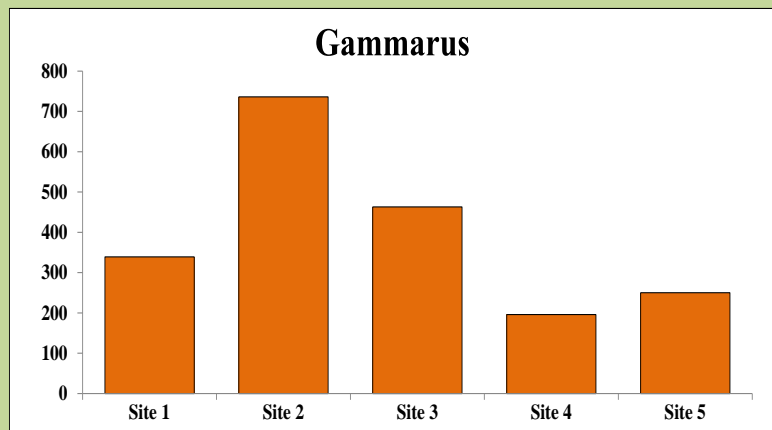
River Test



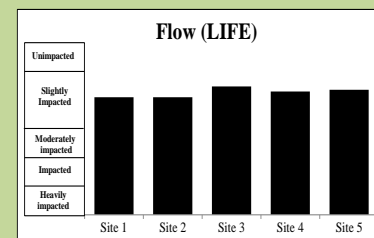
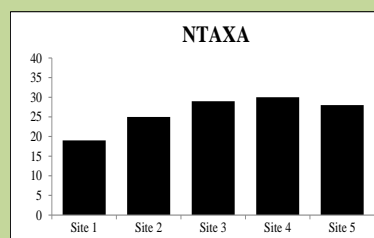
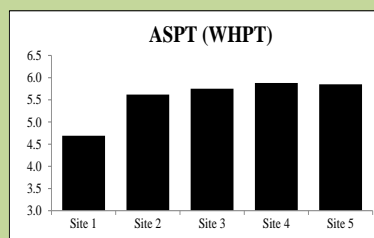
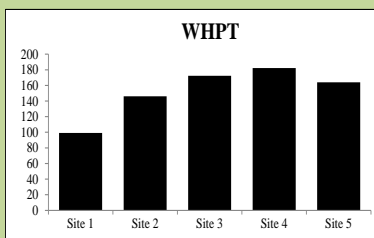
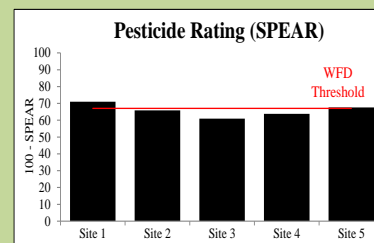
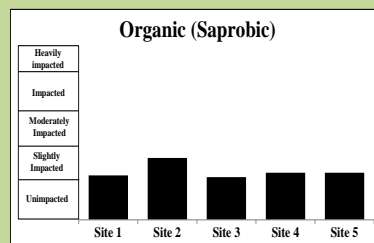
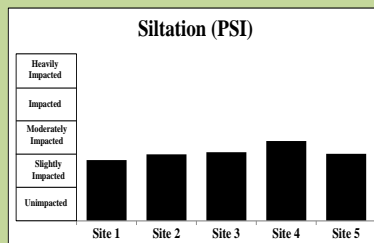
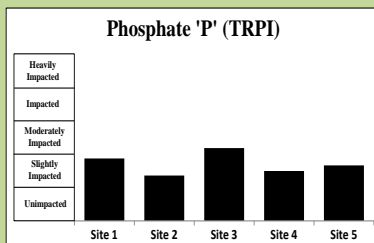
- Site 1 Polhampton (SU 52393 50494)
- Site 2 Beremill (SU 47803 48054)
- Site 3 Fullerton (SU 38174 39055)
- Site 4 Bossington (SU 33806 30650)
- Site 5 Broadlands (SU 35462 17848)

Test & Itchen Association

River Test 2019 - Autumn



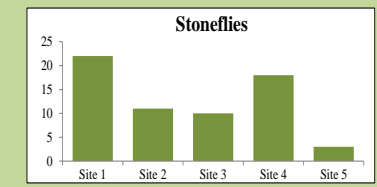
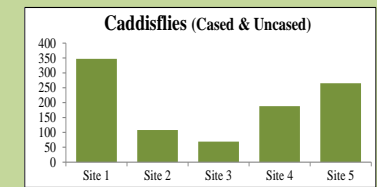
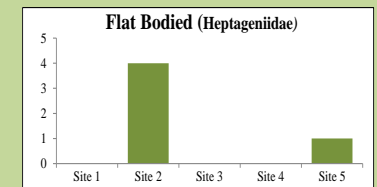
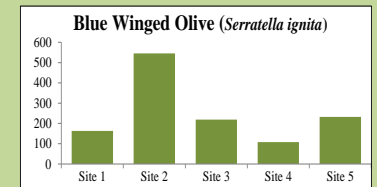
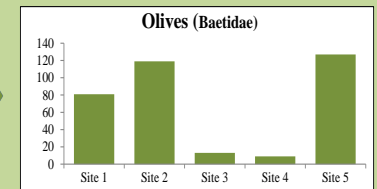
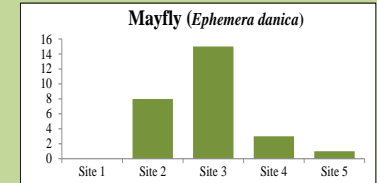
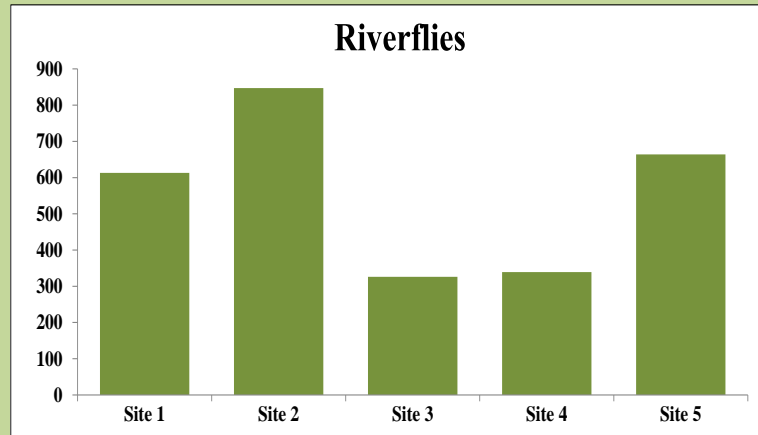
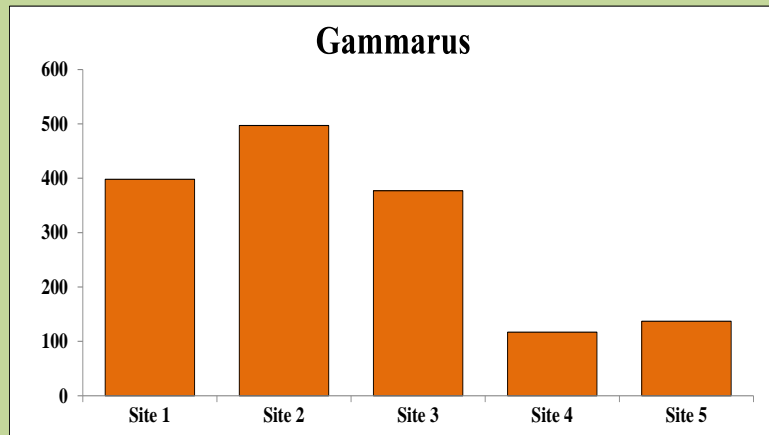
Biometrics



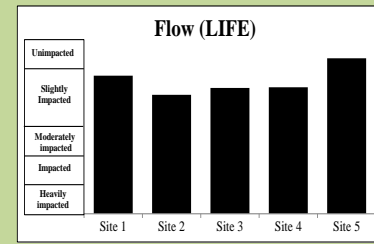
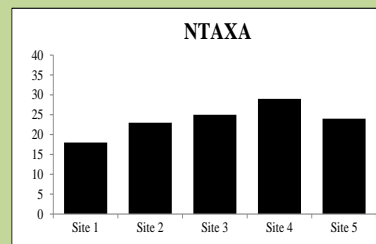
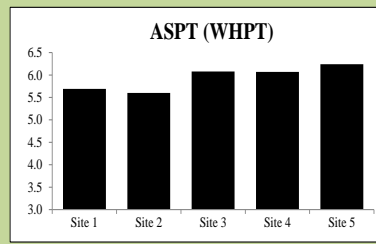
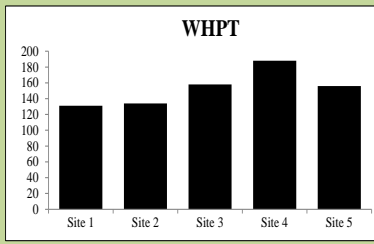
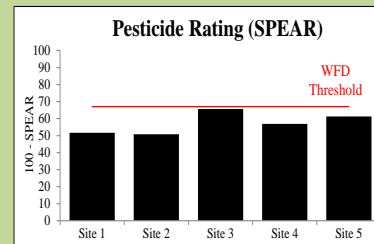
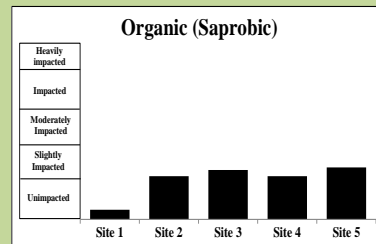
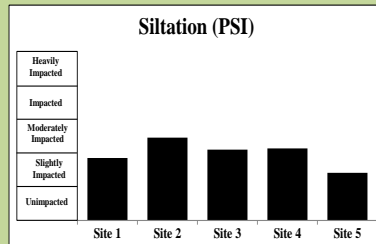
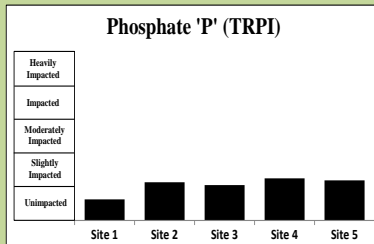
Data in Appendix 1

Test & Itchen Association

River Test 2020 - Spring

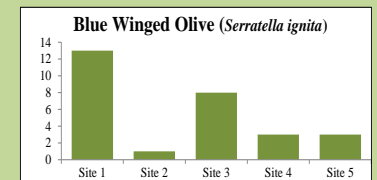
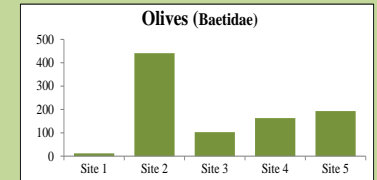
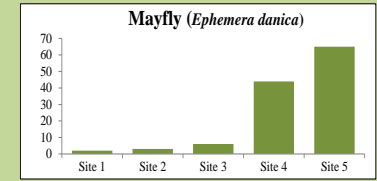
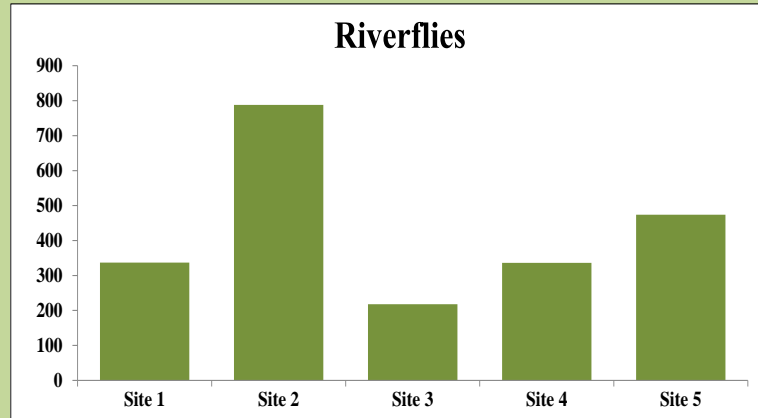
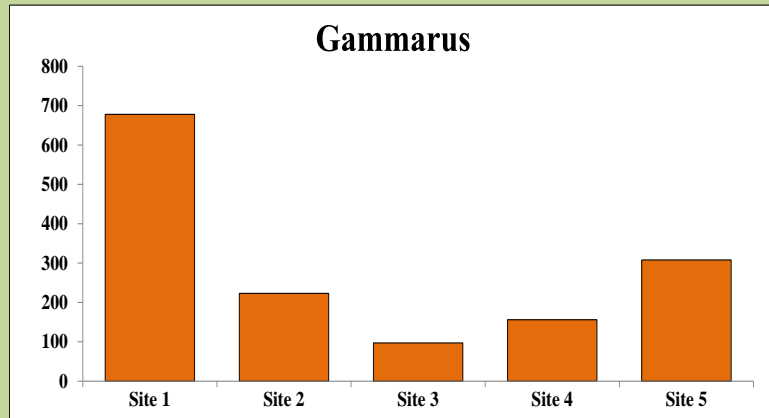


Biometrics

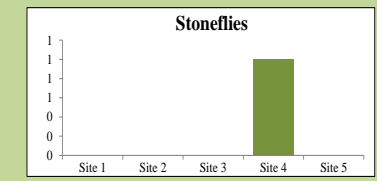
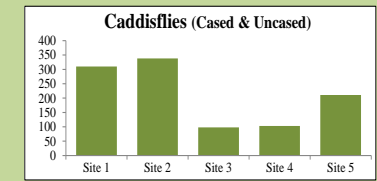
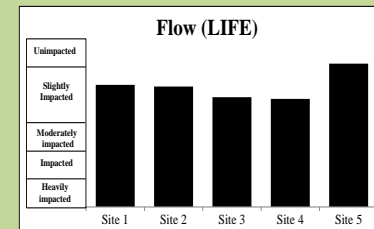
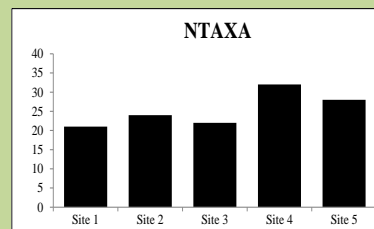
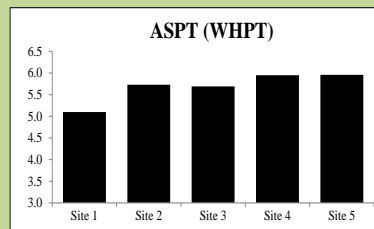
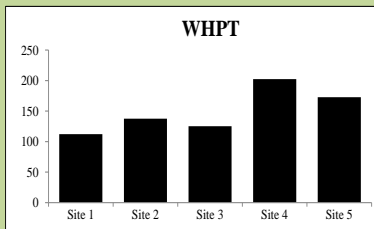
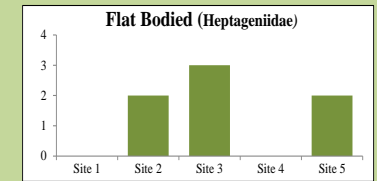
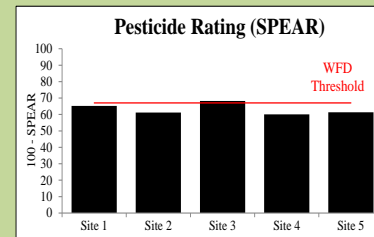
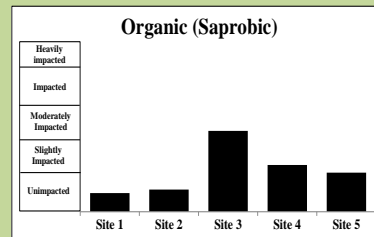
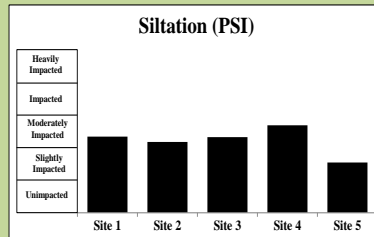
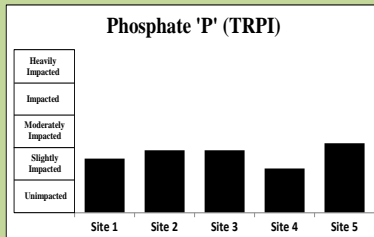


Test & Itchen Association

River Test 2020 - Autumn



Biometrics



Data in Appendix 3

Appendix 1

Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Rhyacophila</i>	1				2
<i>Rhyacophila dorsalis</i>					
<i>Rhyacophila septentrionis</i>		1	1		2
<i>Polycentropodidae</i>					
<i>Polycentropus flavomaculatus</i>		3	1	3	2
<i>Hydropsyche pellucidula</i>		4	6	10	7
<i>Hydropsyche siltalai</i>		11	41	6	16
<i>Cheumatopsyche lepida</i>			1	88	77
<i>Brachycentrus subnubilis</i>				4	7
<i>Ithytrichia</i>				2	5
<i>Oxyethira sp.</i>					
<i>Hydroptila sp.</i>				6	
<i>Agapetus sp.</i>	154				
<i>Silo nigricornis</i>	3	6	3		
<i>Phryganea grandis</i>					
<i>Potamophylax</i>					2
<i>Potamophylax latipennis</i>		4			
<i>Chaetopteryx villosa</i>			1		
<i>Limnephilus rhombicus</i>					
<i>Odontocerum albicorne</i>				1	
<i>Sericostoma personatum</i>		22	49	33	7
<i>Athripsodes</i>				3	
<i>Ylodes conspersus</i>					
<i>Agapetus fuscipes</i>	3	6	2		
<i>Goera pilosa</i>				1	1
<i>Limnephilus flavicornis</i>		2			
<i>Adicella reducta</i>					1
<i>Mystacides</i>			2	15	2
<i>Mystacides longicornis</i>			5		
<i>Athripsodes cinereus</i>			1	1	26

Damselfly & Dragons	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Calopteryx splendens</i>					
<i>Calopteryx virgo</i>			3	1	
<i>Calopteryx</i>			2	4	

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Ephemera danica</i>		17	22	38	8
<i>Baetis</i>	12	148	378	51	101
<i>Baetis rhodani</i>					
<i>Baetis fusca/scambus</i>					
<i>Heptagenia sulphurea</i>		7	19	6	
<i>Serratella ignita</i>	1	2	5	36	1
<i>Caenis rivulorum</i>			12		2

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Leuctra hippopus</i>					
<i>Isoperla grammatica</i>					
<i>Stonefly nymph</i>		2			

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Whirligig Beetle</i>					1
<i>Haliphus</i>	1			1	
<i>Diving Beetle larva</i>				1	
<i>Hydroporus sp.</i>					
<i>Oreodytes sammarkii</i>	4	1	3		
<i>Platambus maculatus</i>		3	2	1	
<i>Elmidae Riffle Beetle</i>					
<i>Elmis aenea</i>	23	65	241	29	83
<i>Limnius volckmari</i>		3	56	26	49
<i>Riolus subviolaceus</i>			6	2	
<i>Lesser Waterboatman</i>		13			
<i>Lesser Waterboatman Sigara sp.</i>					
<i>Aphelocheirus aestivalis</i>				100	3



River Test - 2019 Autumn

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Dicranota sp.</i>					1
<i>Antocha sp.</i>	3				
<i>Limoniidae</i>					
<i>Ceratopogonidae</i>					
<i>Simulium</i>	1	19	577	1	332
<i>Orthocladinae</i>	5	7	1		3
<i>Chironomidae</i>			7	8	15
<i>Tanytarsinae</i>	16		1		
<i>Tanyptodinae</i>					
<i>Prodiamesinae</i>					
<i>Stratiomyidae</i>					
<i>Empididae</i>					

Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Sialidae Alderfly larva</i>					
<i>Sialis lutaria</i>	1	3	2		

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Gammarus pulex</i>	339	736	463	196	250
<i>Niphargus Sp.</i>					
<i>Ostracoda</i>					
<i>Asellus aquaticus</i>	613	254	23	1	15
<i>Asellus meridianus</i>					

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5
BMWP	93	138	166	184	166
ASPT	4.89	5.52	5.72	6.13	5.93
WHPT	99	146	172	182	164
ASPT	4.69	5.62	5.75	5.88	5.85
Number of Taxa	19	25	29	30	28
Riverfly - species	6	13	17	17	18
Riverfly - numbers	174	233	549	304	269
CCI	7.00	12.70	15.27	15.17	15.12
LIFE	7.55	7.55	7.74	7.65	7.68
PSI	63.41	60.00	58.67	51.95	59.70
SPEAR	28.97	34.15	39.05	36.19	32.38
TRPI	62.50	72.73	56.25	70.00	66.67
Saprobic	1.91	2.11	1.89	1.94	1.94

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Valvata piscinalis</i>					
<i>Valvata macrostomata</i>					
<i>Potamopyrgus antipodarum</i>				19	
<i>Bithynia tentaculata</i>			9	37	17
<i>Lymnaea sp.</i>		2			
<i>Lymnaea palustris</i>					
<i>Lymnaea stagnalis</i>					
<i>Radix balthica</i>			4	26	1
<i>Physa fontinalis</i>	5	53	8	17	29
<i>Planorbis planorbis</i>				2	4
<i>Planorbis carinus</i>				1	
<i>Gyraulus albus</i>		1		17	4
<i>Ancylus fluviatilis</i>	1	1	3	1	3
<i>Pisidium sp.</i>			9		67
<i>Anisus vortex</i>	9	99	22	51	15
<i>Theodoxus fluviatilis</i>				48	
<i>Planorbis leucostoma</i>		2			
<i>Sphaerium</i>		94		36	

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Piscicola geometra</i>	1	2	3		
<i>Glossiphonia complanata</i>	3	21	4	3	
<i>Helobdella stagnalis</i>	4	1	7		13
<i>Hemiclepsis marginata</i>					
<i>Theromyzon tessellatum</i>		1	2		
<i>Erpobdella octoculata</i>	1	2	11	3	1
<i>Oligochaeta</i>					

Appendix 2

Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Brachycentrus subnubilus</i>			3	23	65
<i>Odontocerum albicorne</i>			4	1	
<i>Sericostoma personatum</i>		10	16		
<i>Halesus radiatus</i>		4	5	2	
<i>Anabolia nervosa</i>		6	3	1	
<i>Limnephilus lunatus</i>	42	23		4	
<i>Limnephilus rhombicus</i>	20			2	
<i>Drusus annulatus</i>	20			1	
<i>Potamophylax cingulatus</i>	7				
<i>Potamophylax latipennis</i>	6	3		3	
<i>Glyptotendipes pellucidus</i>	6				
<i>Chaetopteryx villosa</i>	19	9		1	
<i>Lepidostoma hirtum</i>				39	
<i>Lepidostoma basale</i>				8	
<i>Trienodes bicolor</i>				1	
<i>Hydroptila</i>	11			16	11
<i>Ithytrichia lamellaris</i>					3
<i>Agpetus ochripes</i>	12				
<i>Agapetus fuscipes</i>	201				
<i>Agapetus</i>		46	3		
<i>Cheumatopsyche lepida</i>			3	49	149
<i>Hydropsyche siltalai</i>		5	29	36	18
<i>Hydropsyche pellucidula</i>					9
<i>Rhyacophila dorsalis</i>		2	3	1	5
<i>Lype reducta</i>	2				
<i>Lype phaopa</i>	1				
<i>Athripsodesa albifrons</i>					4
<i>Ceraclea nigronervosa</i>					1

Damselfly & Dragons	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Calopteryx splendens</i>			1	7	1

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Ephemera danica</i>		8	15	3	1
<i>Baetis</i>					
<i>Baetis rhodani</i>	76	83	13	9	83
<i>Baetisfuscatus/scambus</i>	5	36			44
<i>Heptagenia sulphurea</i>		4			1
<i>Serratella Ignita</i>	163	545	219	108	232
<i>Caenis rivulorum group</i>		52		13	35

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Isoptera grammatica</i>	3	11	3		3
<i>Leuctra hippopus</i>	19		7		
<i>Leuctra geniculata</i>				18	

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Hydroporus</i>	3				
<i>Dytiscidae</i>	2				1
<i>Oreodytes sammarkii</i>		2			
<i>Nebriporus depreus</i>				2	
<i>Haliplus</i>				2	
<i>Limnius volckmari</i>			17	37	71
<i>Elmis aenea</i>	14		12	28	54
<i>Aphelocheirus aestivalis</i>				21	3
<i>Sigara dorsalis</i>			1	1	



River Test - 2020 Spring

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Simulium</i>			119		
<i>Simulium angustitarso group</i>	18				
<i>Simulium ornatum group</i>					42
<i>Dixa</i>	4	2	2	2	
<i>Clinocera</i>	5				
<i>Ceratopogonidae</i>	2				1
<i>Tanypodinae</i>	17			11	
<i>Tanytarsini</i>	12	18			1
<i>Orithocladinae</i>	31	62	19	36	29
<i>Oxycera nigricornis</i>	1				
<i>Oxycera pardalina</i>	1				
<i>Dicranota</i>					2

Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Sialis lutaria</i>	1				

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Gammarus pulex</i>	398	497	377	117	137
<i>Niphargus aquilex</i>	3		1		
<i>Aesellus aquaticus</i>	97	31	8		

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5
BMWP	101	126	146	180	151
ASPT	5.61	5.48	5.84	6.21	6.29
WHPT	131	134	158	188	156
ASPT	5.69	5.60	6.08	6.07	6.24
Number of Taxa	18	23	25	29	24
Riverfly - species	15	16	13	21	16
Riverfly - numbers	587	847	976	339	664
CCI	18.48	8.89	9.80	15.75	17.36
LIFE	7.88	7.55	7.67	7.68	8.18
PSI	62.90	50.79	57.89	57.14	71.67
SPEAR	48.35	49.19	34.43	43.10	38.72
TRPI	87.50	77.27	78.95	75.01	76.19
Saprobic	1.51	1.89	1.96	1.89	1.99

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Ancylus fluviatilis</i>		7		4	
<i>Bithynia tentaculata</i>	10		37	35	13
<i>Physa fontinalis</i>	10	17			
<i>Anisus vortex</i>	4		7	1	2
<i>Planorbis carinatus</i>				1	
<i>Bathymphalus contortus</i>	1	3			
<i>Radix balthica</i>	8	2		4	
<i>Lymnaea palustris</i>		2	1		
<i>Potamopyrgus antipodarum</i>				6	
<i>Valvata piscinalis</i>			3		
<i>Gyraulus albus</i>		7		8	
<i>Theodoxus fluviatilis</i>				39	1
<i>Sphaerium</i>		9	6		
<i>Pisidium</i>			3		

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5
<i>Erpobdella octoculata</i>		1	1	3	17
<i>Glossiphonia complanata</i>		3		5	
<i>Polycelis felina</i>		7			
<i>Haplotaxis gordioides</i>		1	1		
<i>Criodrilum lacuum</i>					
<i>Oligochaeta</i>		13	9	9	26
<i>Hydracarina</i>		8		10	6

