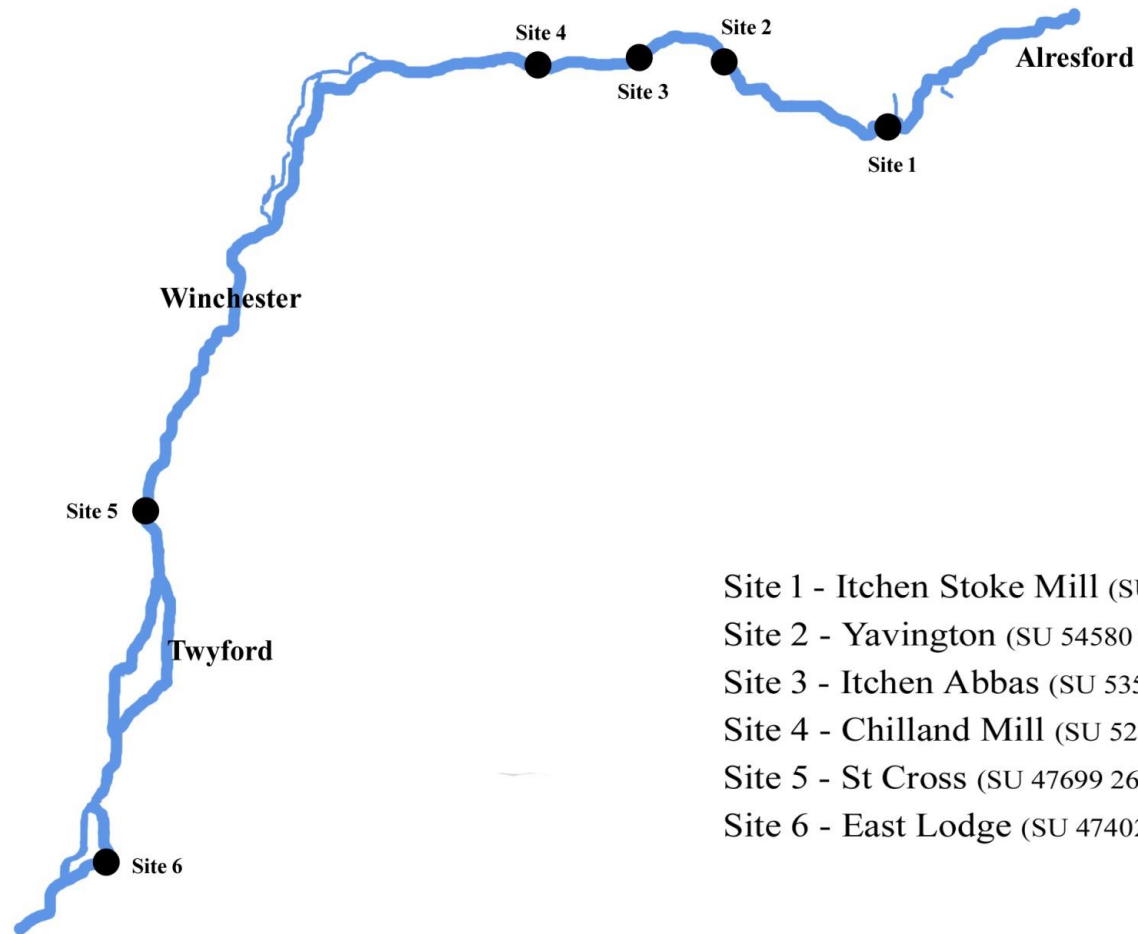


# Test & Itchen Association

## River Itchen



Site 1 - Itchen Stoke Mill (SU 56632 31852)

Site 2 - Yavington (SU 54580 32606)

Site 3 - Itchen Abbas (SU 53526 32682)

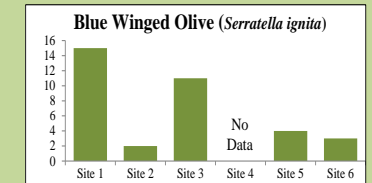
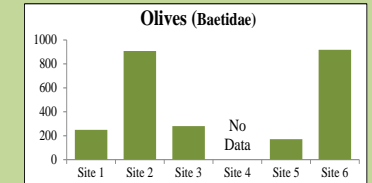
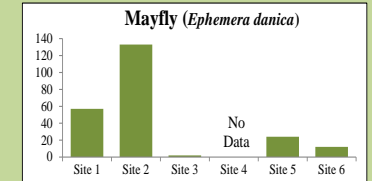
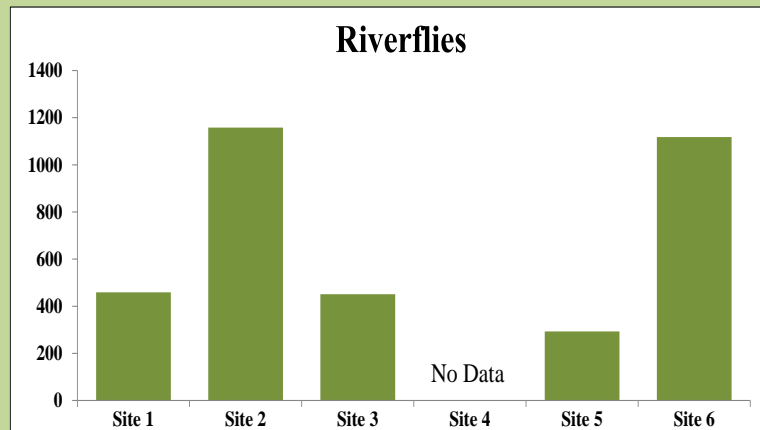
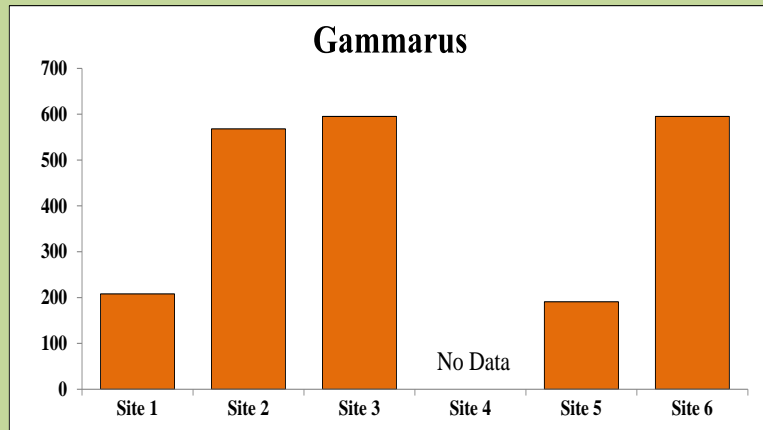
Site 4 - Chilland Mill (SU 52298 32527)

Site 5 - St Cross (SU 47699 26835)

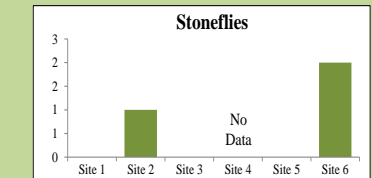
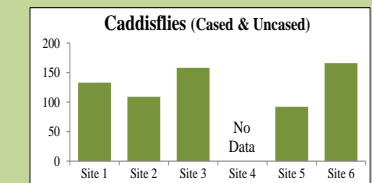
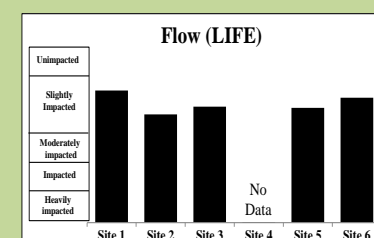
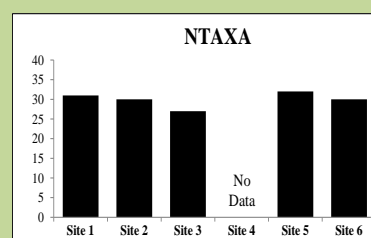
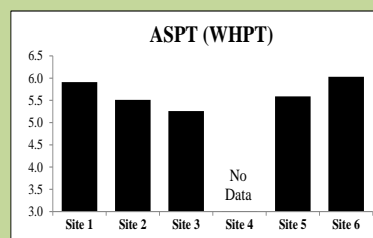
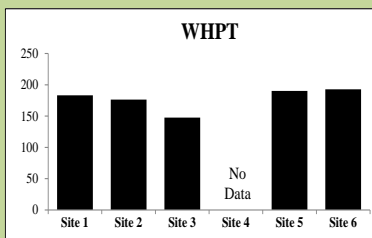
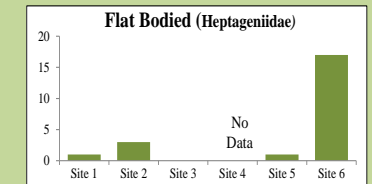
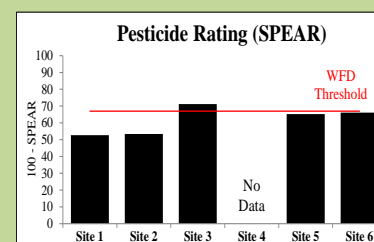
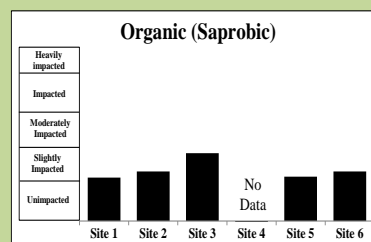
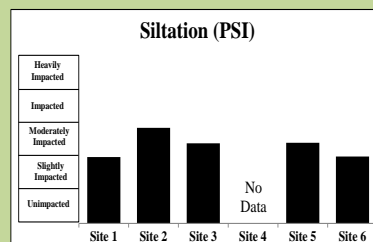
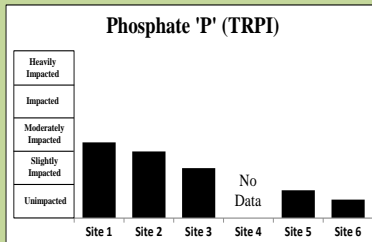
Site 6 - East Lodge (SU 47402 22571)

# Test & Itchen Association

## River Itchen 2019 - Autumn

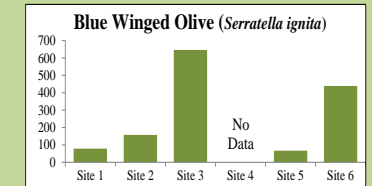
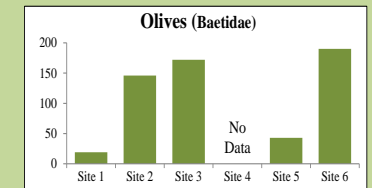
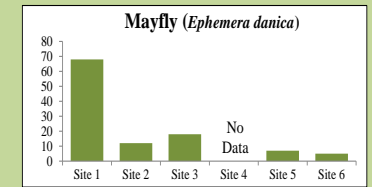
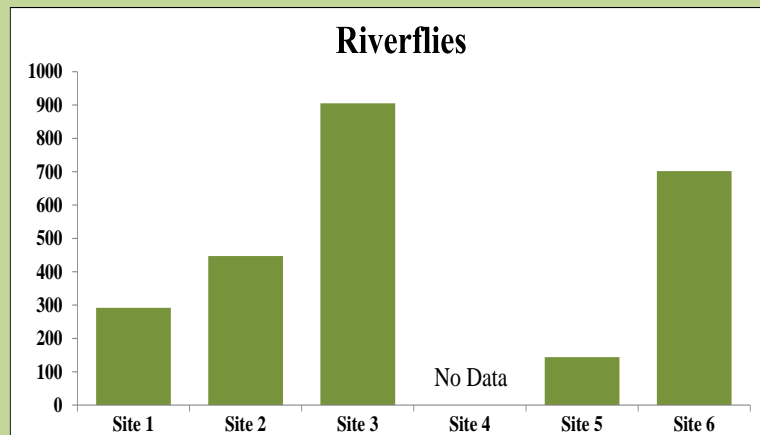
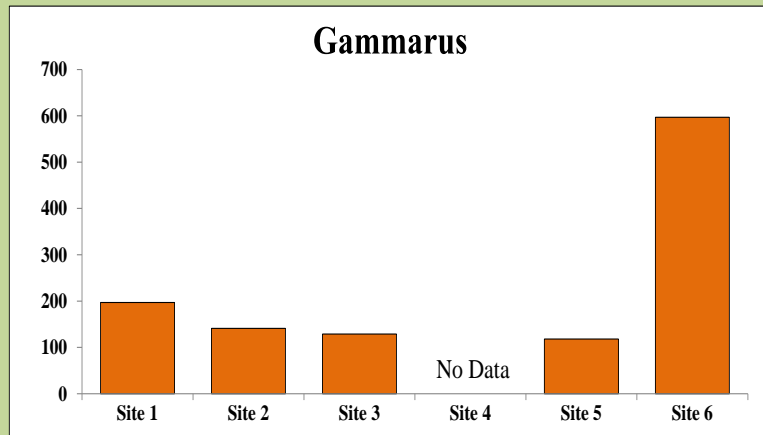


## Biometrics

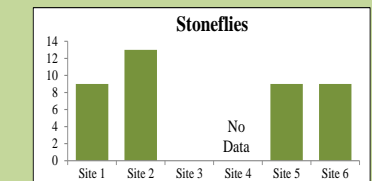
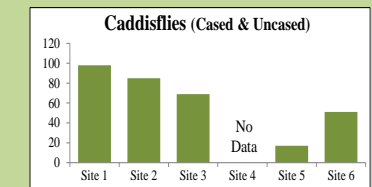
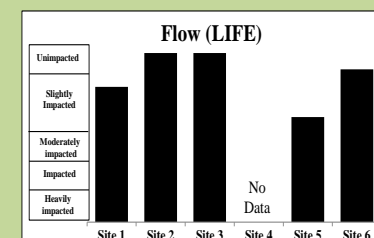
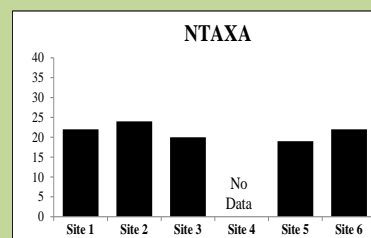
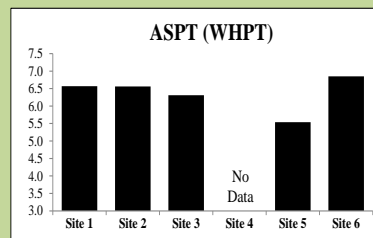
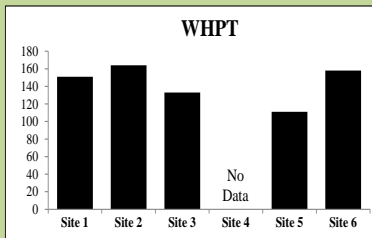
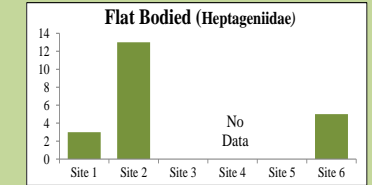
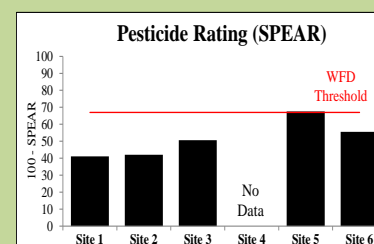
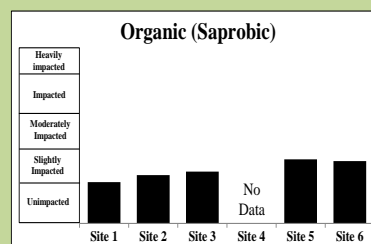
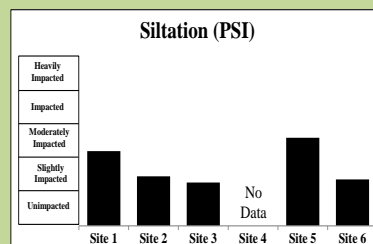
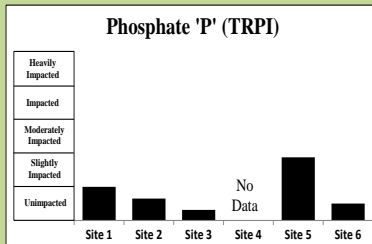


# Test & Itchen Association

## River Itchen 2020 - Spring

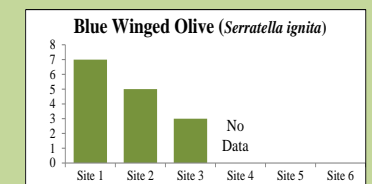
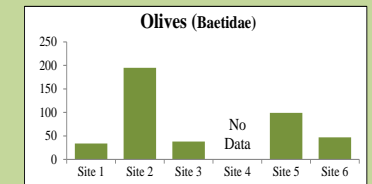
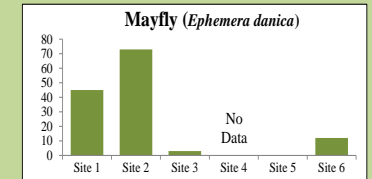
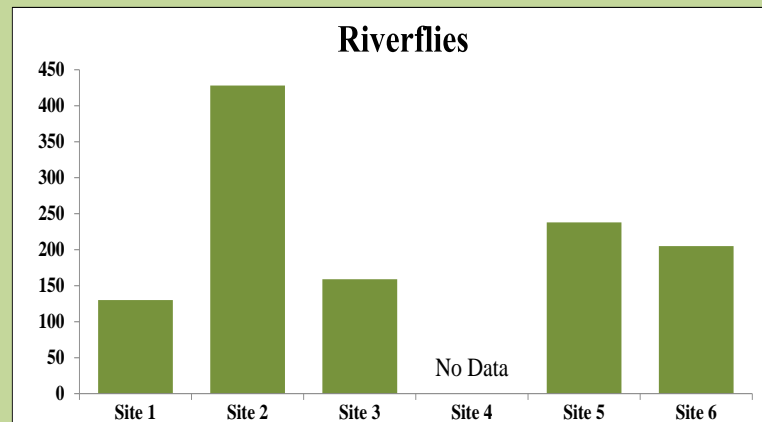
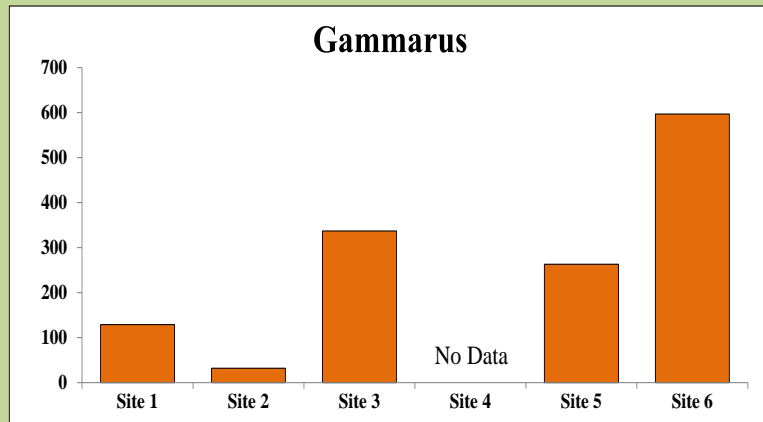


## Biometrics

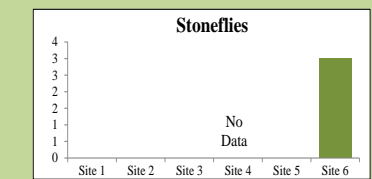
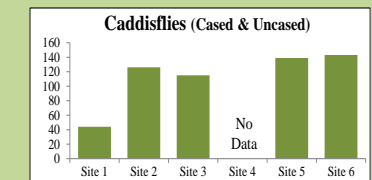
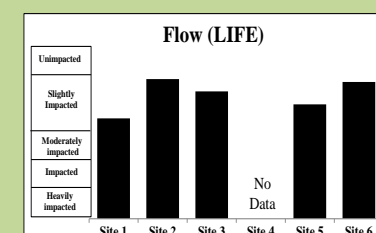
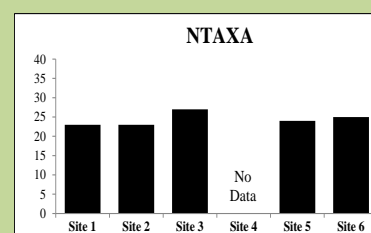
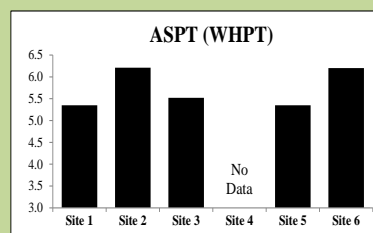
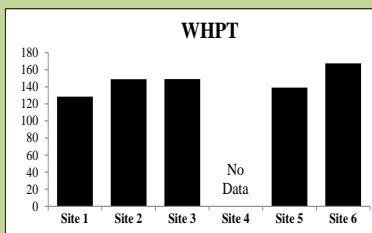
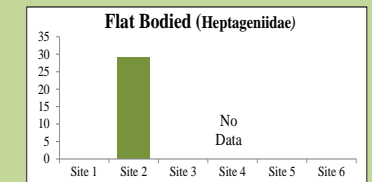
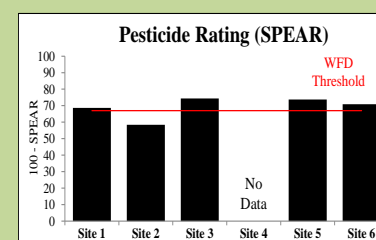
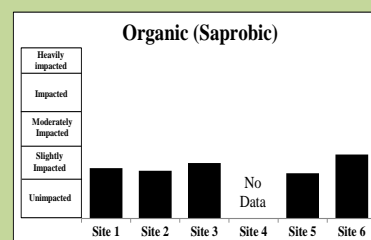
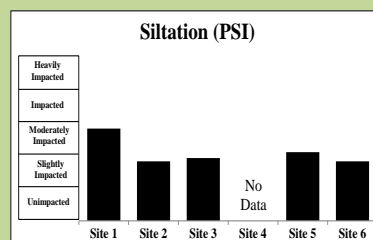
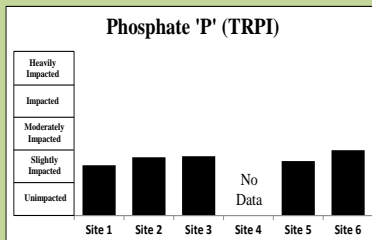


# Test & Itchen Association

## River Itchen 2020 - Autumn

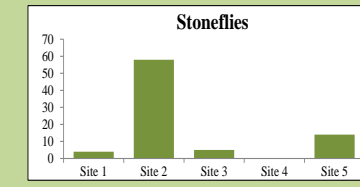
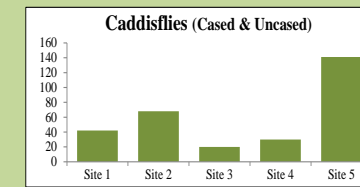
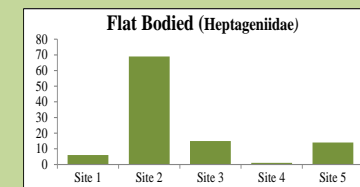
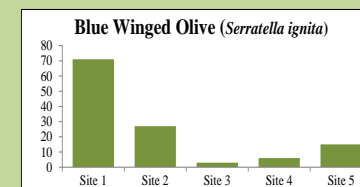
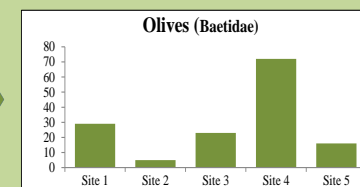
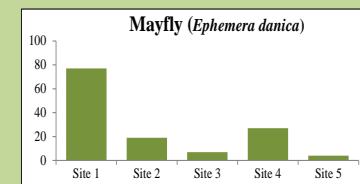
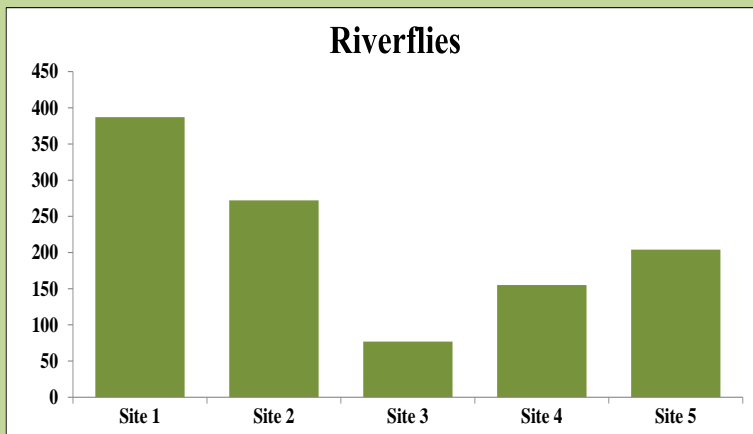
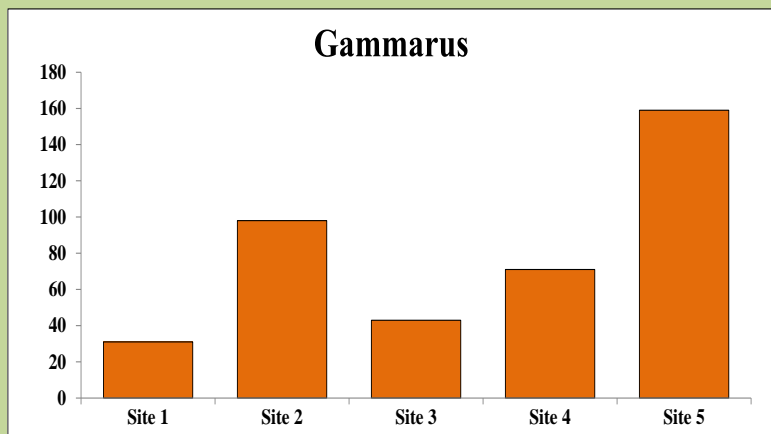


### Biometrics

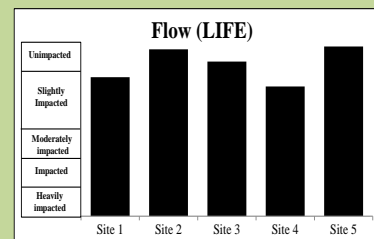
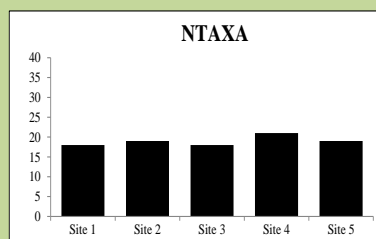
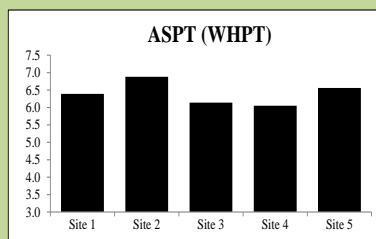
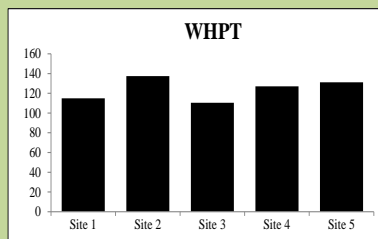
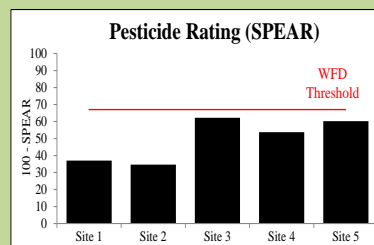
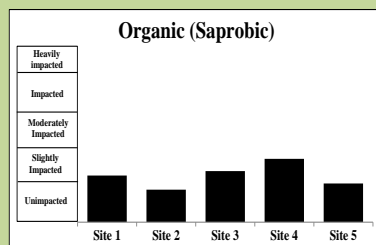
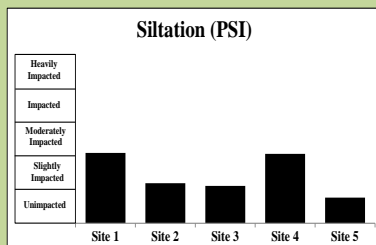
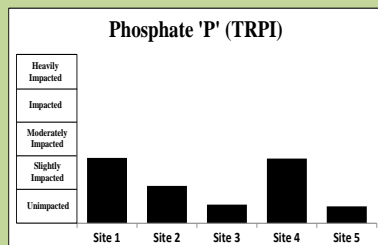


# Test & Itchen Association

## River Itchen 2021 - Spring



### Biometrics



# Appendix 1

Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Rhyacophiliidae sp.</i>			6		3	
<i>Rhyacophila dorsalis</i>			3		1	3
<i>Rhyacophila septentrionis</i>						1
Polycentropodidae	1					
<i>Polycentropus flavomaculatus</i>			2		1	
<i>Hydropsyche pellucidula</i>	19	8	2		11	51
<i>Hydropsyche siltalai</i>			121		9	53
<i>Cheumatopsyche lepida</i>						19
<i>Brachycentrus subnubilis</i>						2
<i>Ithytrichia sp.</i>	8				1	
<i>Oxyethira sp.</i>	1					
<i>Hydroptila sp.</i>			2		5	
<i>Agapetus sp.</i>	1					1
<i>Silo nigricornis</i>	1		14			4
<i>Phryganea grandis</i>		1				
<i>Potamophylax sp.</i>	22	44				
<i>Potamophylax latipennis</i>	4				1	
<i>Chaetopteryx villosa</i>			1		2	
<i>Limnephilus rhombicus</i>		4	2			
<i>Odontocerum albicorne</i>	68	6			44	25
<i>Sericostoma personatum</i>	8	45	4		14	7
<i>Athripsodes sp.</i>			1			
<i>Ylodes conspersus</i>		1				

Damselfly & Dragons	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Calopteryx splendens</i>		1				
<i>Calopteryx virgo</i>	3					

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>	57	133	2		24	12
<i>Baetis</i>	249	908	280		171	918
<i>Heptagenia Sulpurea</i>	1	3			1	17
<i>Serratella Ignita</i>	15	2	11		4	3
<i>Caenis rivulorum</i>	3	2			1	
<i>Paraleptophlebia submarginata</i>	1					

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Leuctra hippopus</i>						2
<i>Isoperla grammatica</i>		1				

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Whirligig Beetle					1	1
<i>Haliphys sp.</i>	6	2	1			1
Diving Beetle larva		2				
<i>Hydroporus sp.</i>		1	2			
<i>Oreodytes sanmarkii</i>		2				
<i>Platambus maculatus</i>	7		13			
Elmidae Riffle Beetle					1	
<i>Elmis aenea</i>	4	160	42		134	109
<i>Limnius volkmari</i>	1	4	7		30	72
<i>Riolus subviolaceus</i>					2	1
Lesser Waterboatman		2				
Lesser Waterboatman <i>Sigara sp.</i>	5					



## River Itchen - 2019

### Autumn

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Dicranota sp.</i>		1	1		1	
<i>Antocha sp.</i>					2	
Limoniidae		1				
Ceratopogonidae		1				
Simuliidae	24	5	60		9	71
Orthocladinae	9	1	24		6	1
Chironomidae	5		13		11	1
Tanytarsini	8	1				
Tanyptodinae					1	
Prodiamesiinae			1		1	
Stratiomyidae			2			
Empididae			1			

Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Sialis Alderfly larva</i>					3	
<i>Sialis lutaria</i>		2				

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>	208	568	595		191	595
<i>Asellus aquaticus</i>		1				

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP	190	179	146		175	177
ASPT	6.13	5.97	5.41		5.47	5.90
WHPT	183	176	148		190	193
ASPT	5.91	5.51	5.26		5.59	6.03
Number of Taxa	31	30	27		32	30
Riverfly - species	18	13	15		18	17
Riverfly - numbers	467	1158	466		297	1121
CCI						
LIFE	7.71	7.31	7.44		7.42	7.59
PSI	60.32	42.86	52.11		51.85	60.00
SPEAR	47.32	46.57	28.82		34.76	33.93
TRPI	54.55	60.00	70.00		83.33	88.89
Saprobic	1.90	1.97	2.18		1.91	1.97

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Valvata piscinalis</i>					1	43
<i>Valvata macrostomata</i>						12
<i>Potamopyrgus antipodarum</i>					81	8
<i>Bithynia tentaculata</i>					6	12
<i>Lymnaea sp.</i>		1	1			
<i>Lymnaea palustris</i>						1
<i>Lymnaea stagnalis</i>	2					30
<i>Radix balthica</i>	11		6			27
<i>Physa fontinalis</i>	1		44			12
<i>Planorbis Planorbis</i>						47
<i>Planorbis carinatus</i>						7
<i>Gyraulus albus</i>	22				60	32
<i>Ancylus fluviatilis</i>	1				1	11
<i>Pisidium sp.</i>			1		2	1
<i>Anisus vortex</i>	24	11	18		67	17

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Piscicola geometrica</i>	4				1	
<i>Glossiphonia complanata</i>		4	10		4	5
<i>Glossiphonia heteroclita</i>						
<i>Helobdella stagnalis</i>			11		2	
<i>Hemiclepsis marginata</i>		1				
<i>Theromyzon tessulatum</i>		1				
<i>Erpobdella octoculata</i>	4	10	51		2	
<i>Oligochaeta</i>	28	61	15		8	3

# Appendix 2

Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Sericostoma personatum</i>	25	8			1	9
<i>Anabolia nervosa</i>	28		2		3	
<i>Lepidostoma hirtum</i>	6	10	6			6
<i>Limnephilus lunatus</i>	3	7			1	
<i>Chaetopteryx villosa</i>	3	3				
<i>Potamophylax latipennis</i>		9	8		1	1
<i>Potamophylax cingulatus</i>	4					
<i>Limnephilus rhombicus</i>	7		3		2	1
<i>Hydroptila</i>	8		16			
<i>Ithytrichia lamellaris</i>		19	3			
<i>Hydropsyche siltalai</i>	1	13	11			14
<i>Hydropsyche pellucidula</i>						3
<i>Rhyacophila septentrionis</i>	1					1
<i>Rhyacophila dorsalis</i>		3	10			3
<i>Odontocerum albicorne</i>	12	11	3		9	2
<i>Halesus radiatus</i>		2	1			1
<i>Athripsodes albifrons</i>			2			
<i>Polycentropus flavomaculatus</i>			1			
<i>Psychomyia pusilla</i>			3			
<i>Cheumatopsyche lepida</i>						7
<i>Brachycentrus subnubilis</i>						3

Damselfly & Dragons	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Calopteryx splendens</i>	2				7	1

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>	68	12	18		7	5
<i>Baetis rhodani</i>	19	86	172		29	121
<i>Baetis fuscatus</i>		53			14	
<i>Baetis mucicus</i>		7				
<i>Baetis scambus</i>						69
<i>Heptagenia sulphurea</i>	3	13				5
<i>Serratella ignita</i>	79	158	646		67	439
<i>Caenis rivulorum</i>	16	14				
<i>Rhithrogena</i>		6			1	3

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Isoptera grammatica</i>	6	6			3	3
<i>Leuctra geniculata</i>	3	7			6	6

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Platambus maculatus</i>	1		1			
<i>Oreodytes sammarkii</i>			3			
<i>Limnius volckmari</i>			5		2	23
<i>Elmis aenea</i>			17		5	16



River Itchen - 2020  
Spring

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Simulium</i>	13	126				
<i>Simulium ornatum</i>					77	551
<i>Orthocladinae</i>	65	31	89		58	
<i>Chironominae</i>					4	
<i>Tanytarsini</i>	11	14	62		21	
<i>Tanypodinae</i>		5	5			
<i>Ceratopogonidae</i>	4	1	4		3	
<i>Dicranota</i>		2				
<i>Pedicia</i>		1				

Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>	197	141	129		118	597
<i>Asellus aquaticus</i>		9			35	

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP	149	152	125		111	150
ASPT	6.77	6.33	6.25		5.84	6.81
WHPT	151	164	133		111	158
ASPT	6.57	6.56	6.31		5.54	6.85
Number of Taxa	22	24	20		19	22
Riverfly - species	18	20	16		11	20
Riverfly - numbers	292	447	1236		576	702
CCI	15.12	14.27	9.29		7.39	14.68
LIFE	7.74	8.30	8.30		7.24	8.03
PSI	55.77	70.69	74.42		47.92	72.58
SPEAR	58.87	57.97	49.37		32.49	44.44
TRPI	80.00	86.96	93.75		62.50	90.00
Saprobic	1.87	1.95	1.99		2.13	2.11

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Bithynia tentaculata</i>					46	10
<i>Radix balthica</i>	2		1		5	
<i>Lymnaea palustris</i>	1					
<i>Lymnaea stagnalis</i>	1					
<i>Planorbis carinatus</i>	5				5	4
<i>Planorbis planorbis</i>					1	
<i>Anisus vortex</i>	8	4			4	2
<i>Gyraulus albus</i>	5	1			3	5
<i>Physa fontinalis</i>		1				2
<i>Ancylus fluviatilis</i>			1		3	
<i>Valvata piscinalis</i>					25	13
<i>Pisidium</i>					19	
<i>Potamopyrgus antipodarum</i>						2

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Glossiphonia complanata</i>		1	1			
<i>Polycelis felina</i>		1				
<i>Criodrilus lacuum</i>		1				
<i>Haplotaxis gordioides</i>	9					1
<i>Oligochaeta</i>	39	8	13			





