

## River Nadder Survey

### Spring & Autumn 2021

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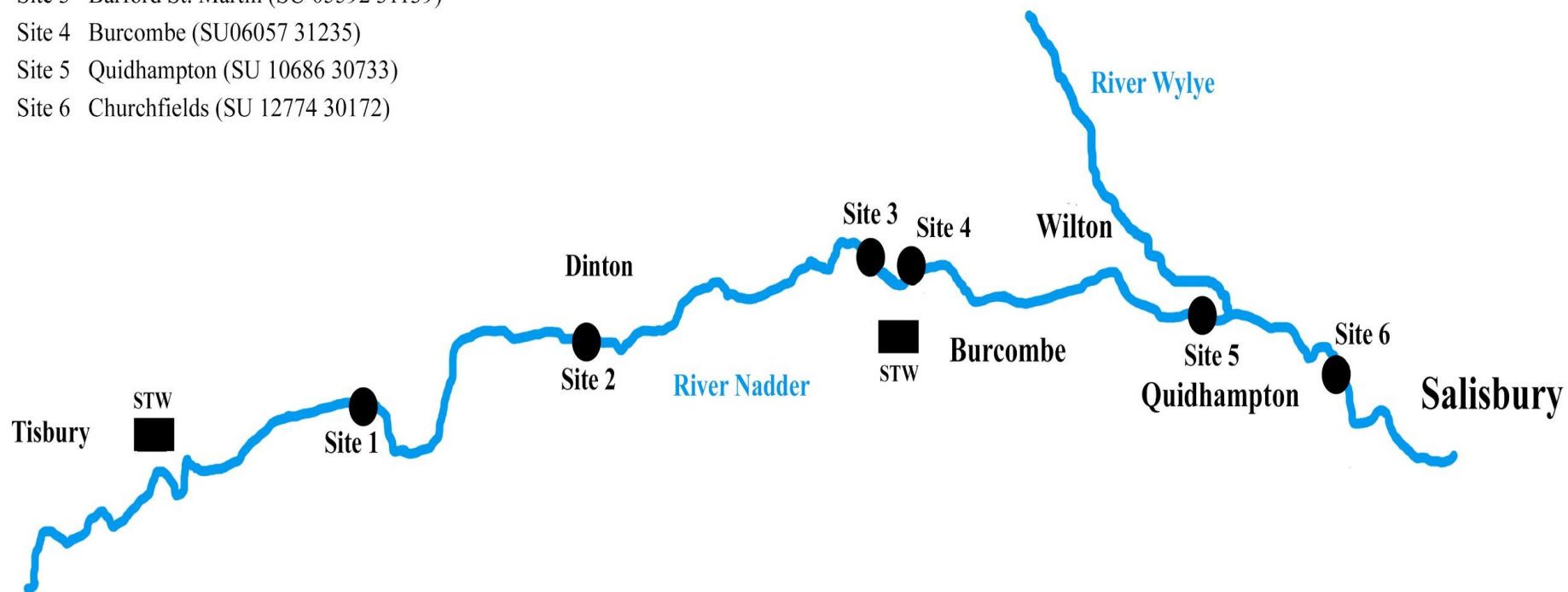
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Site 3 Barford St. Martin (SU 05592 31139)

Site 4 Burcombe (SU06057 31235)

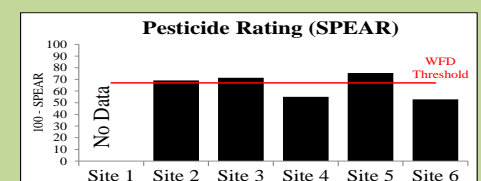
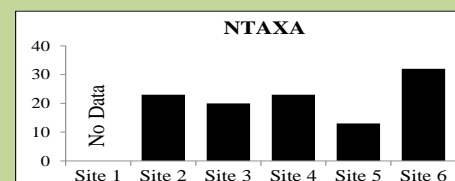
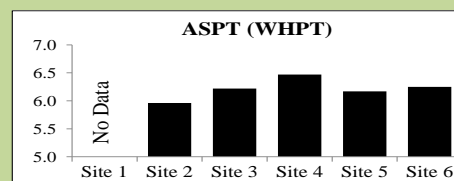
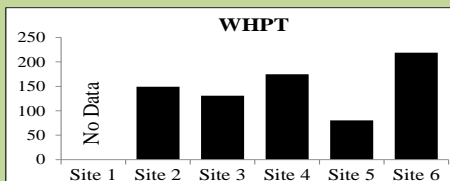
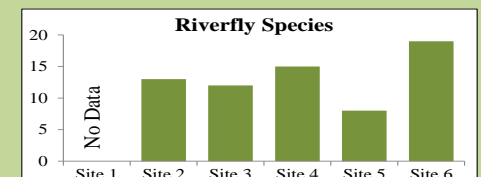
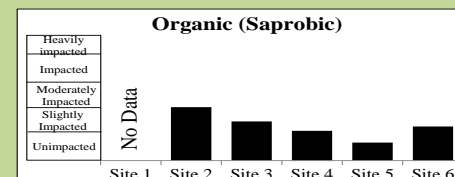
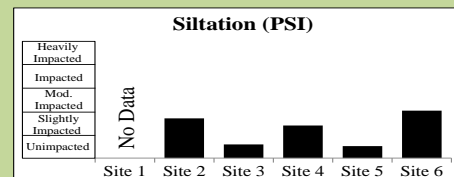
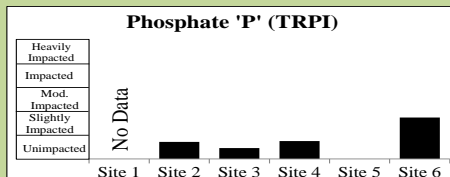
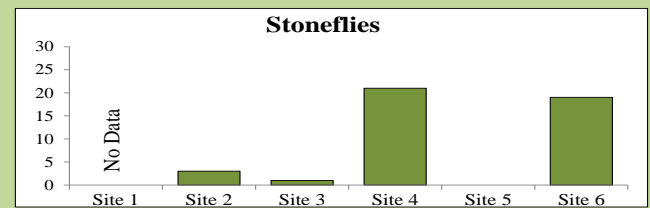
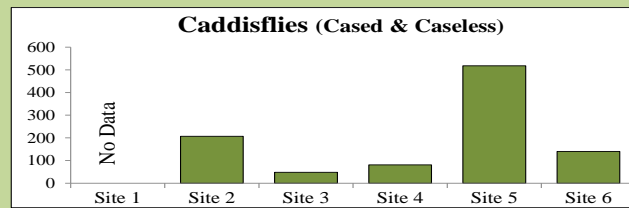
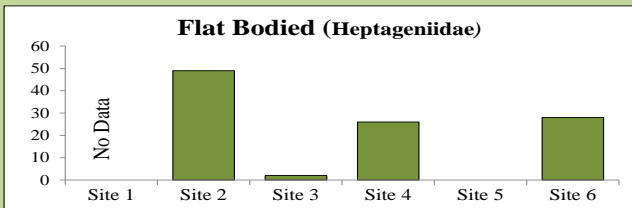
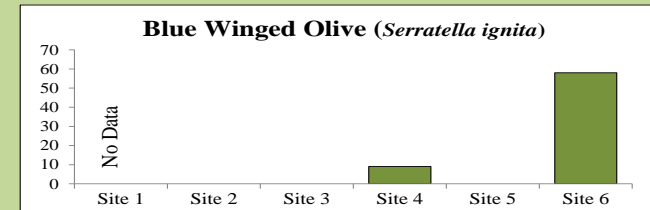
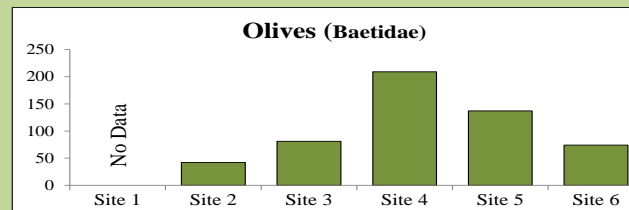
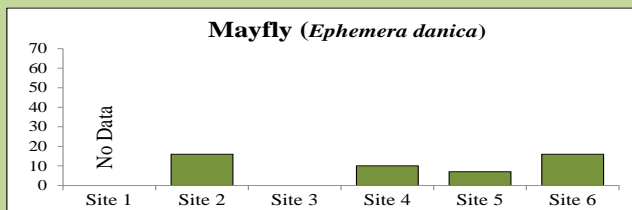
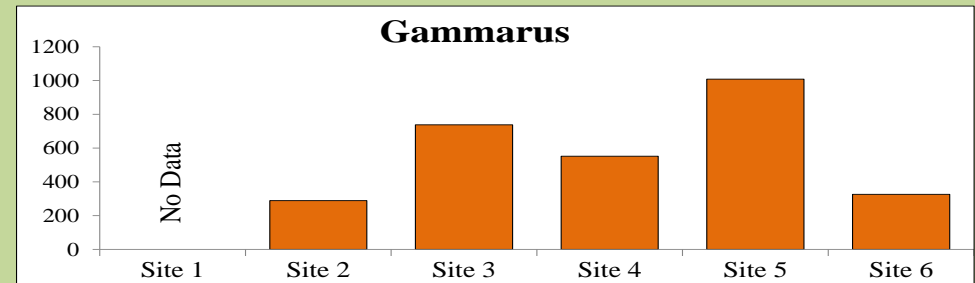
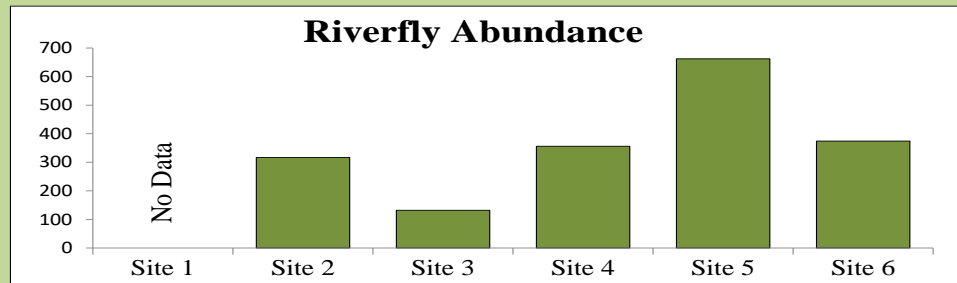
Site 5 Quidhampton (SU 10686 30733)

Site 6 Churchfields (SU 12774 30172)



# River Nadder

## Spring 2021



Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Silo nigricornis</i>						
<i>Goera pilosa</i>						
<i>Potamophylax</i>						
<i>Potamophylax latipennis</i>					2	
<i>Potamophylax cingulatus</i>						
<i>Mystacides azurea</i>						7
<i>Athripsodes cinereus</i>		3	1			5
<i>Athripsodes albifrons</i>		5	1	12		
<i>Sericostoma personatum</i>			3	5	4	14
<i>Odontocerum albicorne</i>						
<i>Agapetus fuscipes</i>			1	26	277	22
<i>Chaetopteryx villosa</i>						
<i>Halesus</i>						2
Limnephilidae						
<i>Limnephilus lunatus</i>						6
<i>Limnephilus rhombicus</i>						
<i>Lepidostoma hirtum</i>		7		15		38
<i>Hydroptila</i>			21	10		37
<i>Ithytrichia lamellaris</i>						
<i>Agraylea multipunctata</i>				3		
<i>Brachycentrus subnubilis</i>				3		
<i>Anabolia nervosa</i>						3
<i>Drusus annulatus</i>						
<i>Glyptotaelius pellucidus</i>						
<i>Melampophylax mucoreus</i>						
<i>Rhyacophila dorsalis</i>		7	5	7		
<i>Hydropsyche pellucidula</i>		6			46	2
<i>Hydropsyche siltalai</i>		173	16		189	1
<i>Lype reducta</i>						
<i>Cheumatopsyche lepida</i>		6				
<i>Polycentropus flavomaculatus</i>						
<i>Psychomyia pusilla</i>						3

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Theodoxus fluviatilis</i>		31	6	61		12
<i>Radix balthica</i>		6	2	4	11	15
<i>Potamopyrgus antipodarum</i>		13		8		
<i>Gyraulus albus</i>			2	1		4
<i>Anisus vortex</i>						
<i>Physa fontinalis</i>				1		3
<i>Ancylus fluviatilis</i>		7	1			5
<i>Sphaerium</i>		5		7		
<i>Pisidium</i>						10
<i>Acroloxus lacustris</i>						
<i>Lymnaea palustris</i>				6		54
<i>Bithynia tentaculata</i>		4				
<i>Valvata piscinalis</i>		5		4		

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



### River Nadder Spring 2021

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>		16		10	7	16
<i>Baetis</i>						
<i>Baetis rhodani</i>		17	68	89	116	43
<i>Baetis scambus</i>		25	13	107	21	31
<i>Baetis muticus</i>				13		
<i>Baetis niger</i>						
<i>Baetis vernus</i>						
<i>Baetis fuscatus</i>						
<i>Heptagenia sulphurea</i>		49	2	26		28
<i>Ecdyonurus dispar</i>						
<i>Serratella ignita</i>				9		58
<i>Caenis rivulorum</i>						39
<i>Caenis luctuosa</i>						
<i>P. submarginata</i>						

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Leuctra fusca</i>						
<i>Nemoura cinerea</i>						
<i>Leuctra geniculata</i>		3	1	21		19

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Elmis aenea</i>		87	74	64	27	31
<i>Oulimnius tuberculatus</i>						
<i>Limnius volckmari</i>		26	45	109	108	47
<i>Orectochilus villosus</i>		8	9	2	5	1
<i>Scirtes</i>						
<i>Brychius elevatus</i>		2				1
<i>Sigara</i>						
<i>Riolus subviolaceus</i>			4			
<i>Aphelocheirus aestivalis</i>						23
<i>Hydracarina</i>			12			

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP		130	118	144	74	196
ASPT		5.65	5.90	6.26	5.69	6.13
WHPT		149	131	175	80	219
ASPT		5.96	6.22	6.47	6.17	6.25
Number of Taxa		23	20	23	13	32
Riverfly - species		13	12	15	8	19
Riverfly - numbers		348	138	356	662	374
CCI		9.8	15.40	10.00	5.00	15.81
LIFE		8.19	8.26	8.33	9.23	8.06
PSI		66.1	88.37	72.13	89.74	59.49
SPEAR		30.92	28.65	44.96	24.51	47.10
TRPI		85.71	90.90	85.00	100.00	65.22
Saprobic		2.26	2.03	1.88	1.69	1.95

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Simulium ornatum</i>		1535	257	163	465	210
Chironomidae					26	13
Orthoclaadiinae		54	25	127		18
<i>Dicranota</i>						3
<i>Tanytarsini</i>		22	4			
Tanytopodinae						14
Oxycera pygmaea						
Sratiomyidae						
Ceratopogonidae			5			
<i>Antocha</i>					8	
Tipulidae			5			
<i>Pilaria</i>						
<i>Rheotanytarsus</i>						
<i>Atherix ibis</i>		18	8			1
Tabanidae						4
<i>Clinocera</i>						1

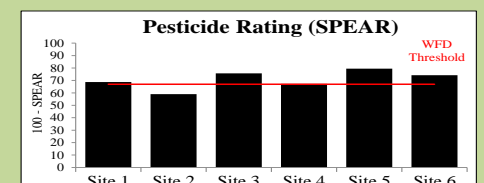
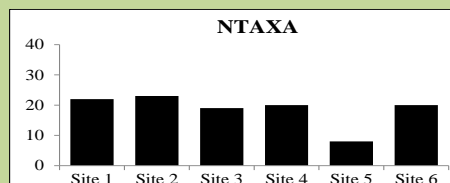
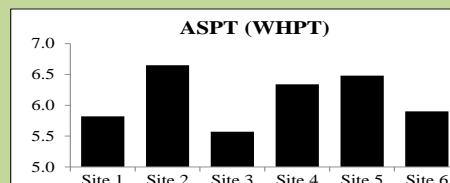
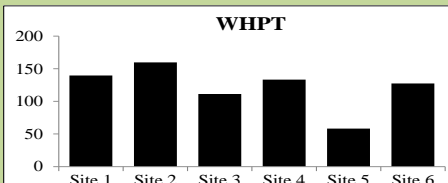
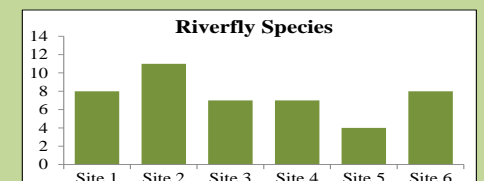
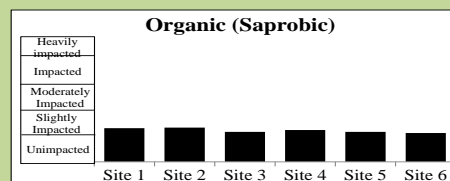
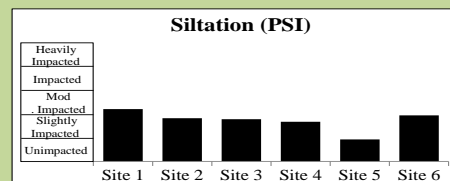
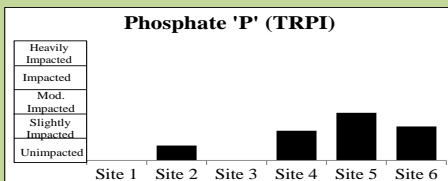
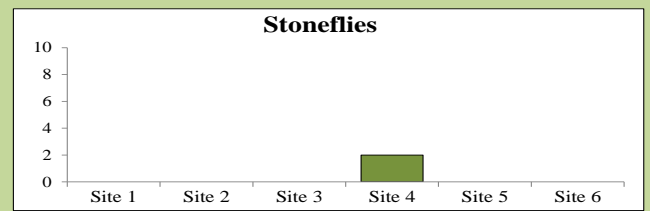
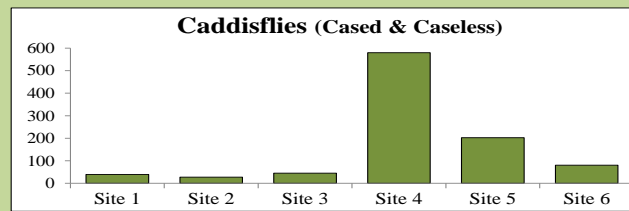
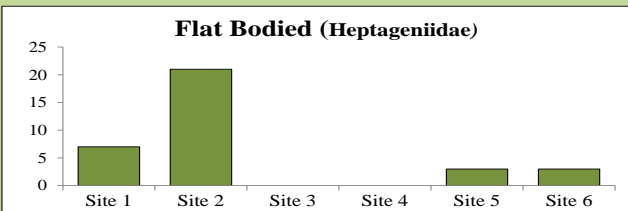
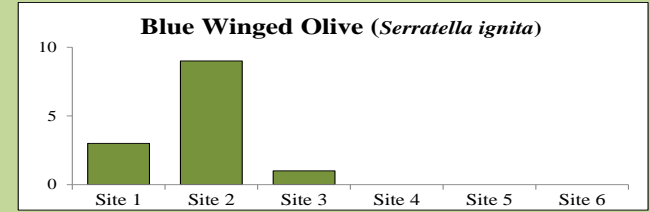
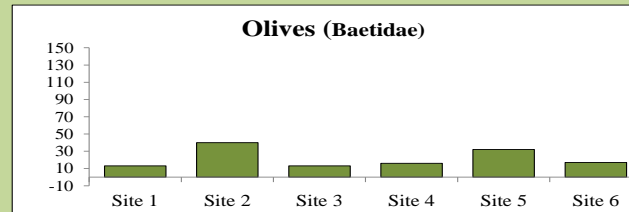
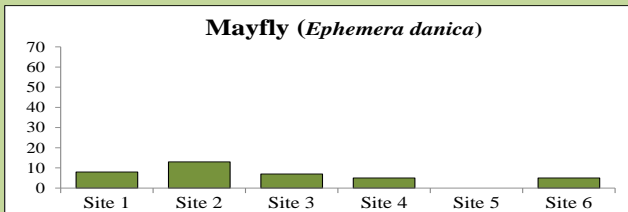
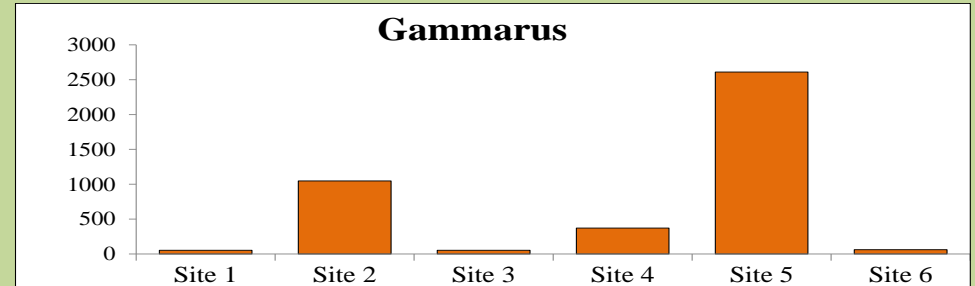
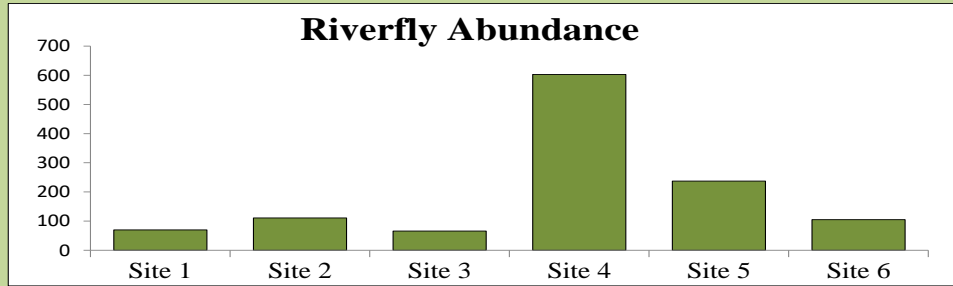
Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Sialis lutaria</i>						

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>		289	738	552	1008	326
<i>Asellus aquaticus</i>						

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Helobdella stagnalis</i>						
<i>Glossiphonia complanata</i>		2	1			5
<i>Theromyzon tessulatum</i>						
<i>Erpobdella octoculata</i>		10				
<i>Haplotaxis gordioides</i>						
<i>Oligochaeta</i>						9

# River Nadder

Autumn 2021



Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Silo nigricornis</i>						
<i>Goera pilosa</i>						
<i>Potamophylax</i>						
<i>Potamophylax latipennis</i>						
<i>Potamophylax cingulatus</i>						
<i>Athripsodes bilineatus</i>						
<i>Athripsodes cinereus</i>						
<i>Odontocerum albicorne</i>						
<i>Mystacides azurea</i>						
<i>Sericostoma personatum</i>	7	5		17	0	9
<i>Agapetus fuscipes</i>						
<i>Chaetopteryx villosa</i>						
<i>Halesus</i>						
Limnephilidae	6	3				
<i>Limnephilus lunatus</i>						
<i>Limnephilus rhombicus</i>						
<i>Lepidostoma hirtum</i>						
<i>Hydropsyche</i>						
<i>Ithytrichia lamellaris</i>						
<i>Anabolia nervosa</i>						
<i>Drusus annulatus</i>						
<i>Glyptotaelius pellucidus</i>						
<i>Melampophylax micoreus</i>						
<i>Brachycentrus subnubilus</i>	17	5	23	536	0	57
<i>Rhyacophila dorsalis</i>		4	3			
<i>Rhyacophila septentrionis</i>		5		2	0	
<i>Hydropsyche pellucidula</i>	9		7	16	125	7
<i>Hydropsyche siltalai</i>			12	9	77	5
<i>Lype reducta</i>						
<i>Cheumatopsyche lepida</i>						2
<i>Polycentropus flavomaculatus</i>		5				

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Theodoxus fluviatilis</i>	5	9	4	35		28
<i>Lymnaea pereger</i>	25	3	3	24		12
<i>Potamopyrgus antipodarum</i>	26					16
<i>Gyraulus albus</i>	2					13
<i>Anisus vortex</i>						
<i>Physa fontinalis</i>			2			
<i>Ancylus fluviatilis</i>	3			9		10
<i>Sphaerium</i>	13	3	6	8		3
<i>Pisidium</i>						
<i>Acroloxus lacustris</i>						
<i>Lymnaea palustris</i>						
<i>Planorbis</i>	9					
<i>Valvata piscinalis</i>	3	3				
<i>Bithynia tentaculata</i>	3		1		3	13
<i>Lymnaea stagnalis</i>			1	2		1

Damselfs & Dragons	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Calopteryx splendens</i>				8	1	2



### River Nadder Autumn 2021

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>	8	13	7	5	0	5
<i>Baetis</i>	13	40	13	16	32	17
<i>Baetis rhodani</i>						
<i>Baetis scambus</i>						
<i>Baetis muticus</i>						
<i>Baetis niger</i>						
<i>Baetis vernus</i>						
<i>Baetis fuscatus</i>						
<i>Heptagenia sulphurea</i>	7	21			3	3
<i>Serratella ignita</i>	3	9	1			
<i>Caenis rivulorum</i>						
<i>Caenis luctuosa</i>						
<i>P. submarginata</i>		1				

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Pisicicola geometra</i>				2		

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Elmis aenea</i>	39	59	10	22	72	27
<i>Oulimnius tuberculatus</i>	48	26	15			
<i>Limnius volckmari</i>	45	137	26	71	387	68
<i>Oreocthilus villosus</i>	6	6	3	17		
<i>Scirtes</i>						
<i>Brychius elevatus</i>						
<i>Sigara</i>						
<i>Riolus subviolaceus</i>			3			
<i>Halipus</i>				3		
<i>Aphelocheirus aestivalis</i>						93
<i>Hydraena riparia</i>		2				
<i>Hydracarina</i>		5		16		7

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP	124	140	98	113	46	116
ASPT	5.64	6.09	5.16	5.65	5.75	5.80
WHPT	139.6	159.6	111	133	58	127
ASPT	5.82	6.65	5.57	6.34	6.48	5.90
Number of Taxa	22	23	19	20	8	20
Riverfly - species	8	11	7	7	4	8
Riverfly - numbers	70	107	66	601	237	105
CCI	8.95	14	13.63	16.19	5.25	10.00
LIFE	7.44	7.65	7.67	8.38	8.80	7.82
PSI	56	63.63	64.44	66.67	81.48	61.23
SPEAR	31.3	40.95	24.31	32.77	20.45	25.73
TRPI	100	87.5	100.00	75.00	60.00	71.43
Saprobic	1.96	1.97	1.90	1.93	1.90	1.88

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Simulium ornatum</i>	77	108		383		11
<i>Simulium</i>	5		41		3	
Chironomidae						
<i>Orthocladinae</i>	29					3
<i>Dicranota</i>			1	123		
<i>Tanytarsini</i>	5		2			5
Tanypodinae						
<i>Oxycera pygmaea</i>						
Stratiomyidae						
<i>Ceratopogonidae</i>						
<i>Antocha</i>						
Tipulidae	3	16	3			
<i>Pilaria</i>						
<i>Rheotanytarsus</i>						
<i>Atherix ibis</i>	18	76		23	2	
<i>Limnophora</i>			1			
<i>Dixa</i>						2

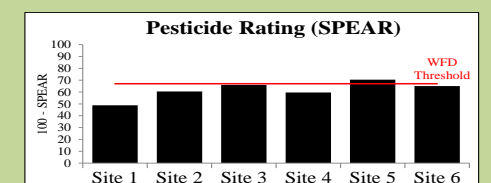
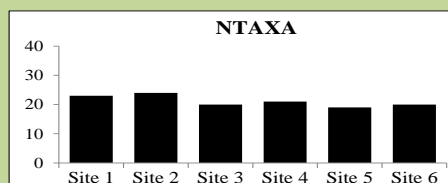
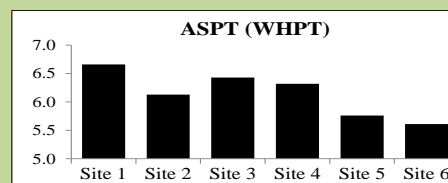
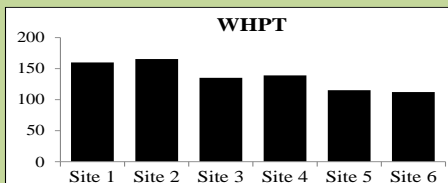
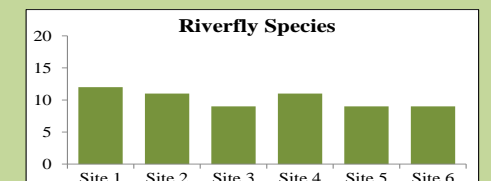
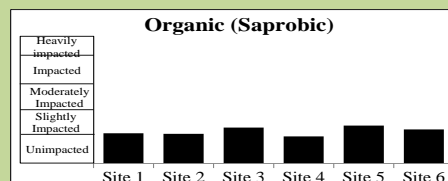
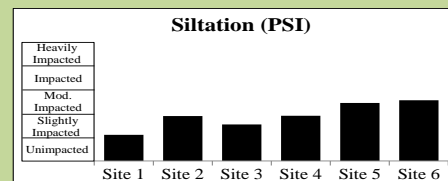
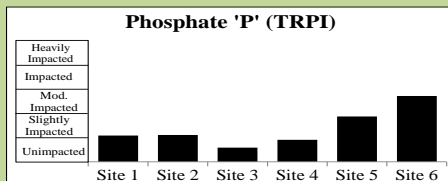
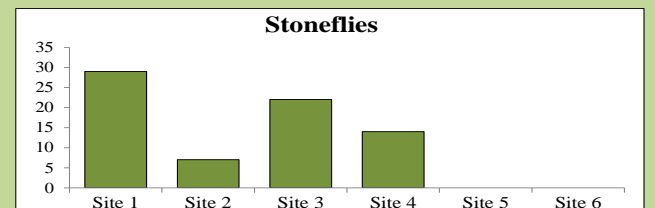
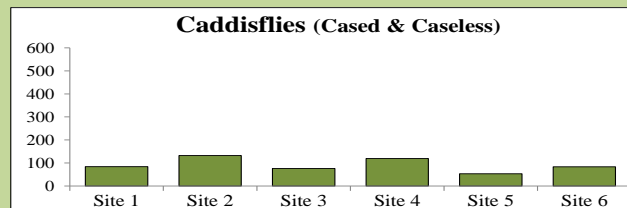
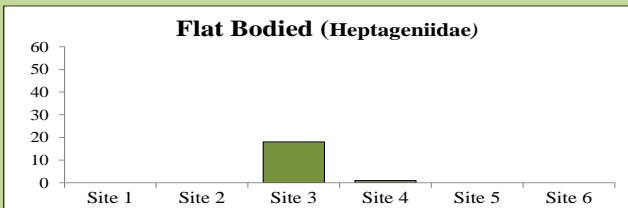
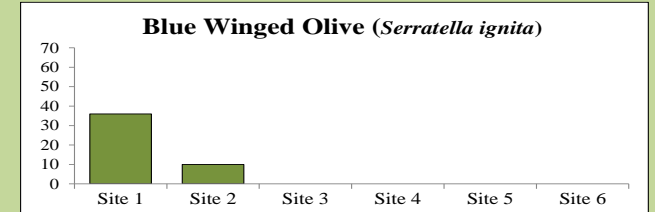
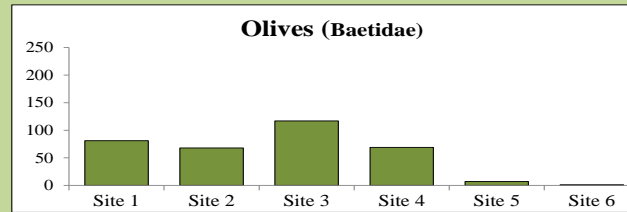
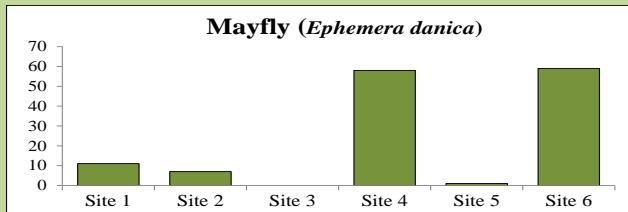
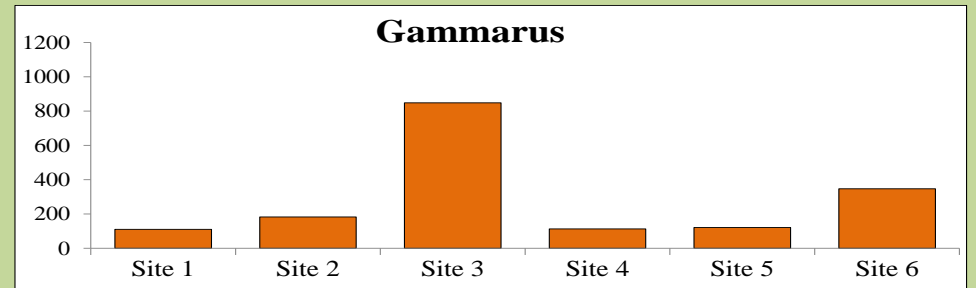
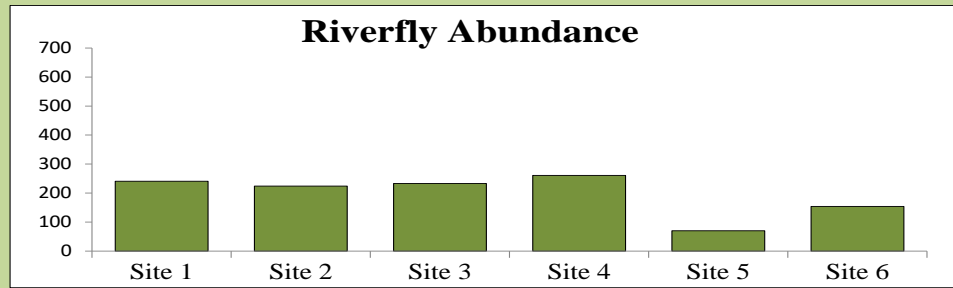
Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Sialis lutaria</i>						

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>	53	1048	52	372	2609	61
<i>Asellus aquaticus</i>		5				

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Helobdella stagnalis</i>		6				
<i>Glossiphonia complanata</i>	1	10	5			8
<i>Theromyzon tessulatum</i>						
<i>Erpobdella octoculata</i>		25	3			
<i>Haploutaxis gordioides</i>				2		
<i>Pisicicola geometra</i>						2
<i>Oligochaeta</i>						
<i>Polycelis felina</i>				8		

# River Nadder

Spring 2022



Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Silo nigricornis</i>				10		4
<i>Goera pilosa</i>				3		
<i>Potamophylax</i>						
<i>Potamophylax latipennis</i>	5		3		3	
<i>Potamophylax cingulatus</i>		1				3
<i>Mystacides azurea</i>						
<i>Athripsodes cinereus</i>						
<i>Athripsodes albifrons</i>	10	11				
<i>Sericostoma personatum</i>			20	86	5	51
<i>Odontocerum albicorne</i>						
<i>Agapetus fuscipes</i>				3		
<i>Chaetopteryx villosa</i>						
<i>Halesus radiatus</i>					5	6
Limnephilidae						
<i>Limnephilus lunatus</i>						5
<i>Limnephilus rhombicus</i>						
<i>Lepidostoma hirtum</i>	22	26	28			
<i>Hydroptila</i>	19	25			23	
<i>Ithytrichia lamellaris</i>						
<i>Agraylea multipunctata</i>						
<i>Oxyethira</i>		2				
<i>Brachycentrus subnubilis</i>	6					
<i>Anabolia nervosa</i>				4		14
<i>Drusus annulatus</i>						
<i>Glyptotaelius pellucidus</i>						
<i>Melampophylax mucoreus</i>						
<i>Rhyacophila dorsalis</i>	13	6	7			
<i>Hydropsyche pellucidula</i>				9	8	
<i>Hydropsyche siltalai</i>	9	61	17	4	9	
<i>Hydropsyche fulvipes</i>			1			
<i>Lype reducta</i>						
<i>Cheumatopsyche lepida</i>						
<i>Polycentropus flavomaculatus</i>						
<i>Psychomyia pusilla</i>						

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Theodoxus fluviatilis</i>		9	23	71	18	5
<i>Radix balthica</i>	3		19	4	35	21
<i>Potamopyrgus antipodarum</i>		5				
<i>Gyraulus albus</i>						
<i>Anisus vortex</i>						
<i>Physa fontinalis</i>						
<i>Ancylus fluviatilis</i>	2	9			1	8
<i>Sphaerium</i>	8	28	45	73	24	27
<i>Pisidium</i>						
<i>Acroloxus lacustris</i>						
<i>Lymnaea palustris</i>						
<i>Bithynia tentaculata</i>		14	11	15	13	17
<i>Valvata piscinalis</i>						
<i>Lymnaea stagnalis</i>					3	1

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



### River Nadder Spring 2022

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>	11	7		58	1	59
<i>Baetis</i>	81	68	117		7	
<i>Baetis rhodani</i>						1
<i>Baetis scambus</i>						
<i>Baetis muticus</i>						
<i>Baetis niger</i>						
<i>Baetis vernus</i>						
<i>Baetis fuscatus</i>				69		
<i>Heptagenia sulphurea</i>			18	1		
<i>Ecdyonurus dispar</i>						
<i>Serratella ignita</i>	36	10				
<i>Caenis rivulorum</i>					9	11
<i>Caenis luctuosa</i>						
<i>P. submarginata</i>						

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Leuctra fusca</i>						
<i>Nemoura cinerea</i>						
<i>Leuctra geniculata</i>	4	7	22	14		
<i>Isoperla grammica</i>	25					

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Elmis aenea</i>	39	59	39	36	6	8
<i>Oulimnius tuberculatus</i>	12	12	75		15	
<i>Limnius volckmari</i>		83		6		24
<i>Orectochilus villosus</i>	3		4	6		
<i>Scirtes</i>						
<i>Brychius elevatus</i>	2	1				
<i>Sigara</i>						
<i>Riolus subviolaceus</i>						
<i>Aphelocheirus aestivalis</i>					1	87
<i>Esolus parvulus</i>						
<i>Hydracarina</i>						

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP	150	138	112	120	104	116
ASPT	6.52	5.75	5.60	5.71	5.47	5.80
WHPT	159.8	165.4	135	139	115	112
ASPT	6.66	6.13	6.43	6.32	5.76	5.61
Number of Taxa	23	24	20	21	19	20
Riverfly - species	12	11	9	11	9	9
Riverfly - numbers	241	224	233	261	70	154
CCI	10.59	9.76	15.24	10.56	9.38	9.32
LIFE	8.55	7.89	8.20	7.95	7.89	7.52
PSI	78	62.26	69.23	62.00	51.22	48.89
SPEAR	51.21	39.54	34.03	40.33	29.50	34.97
TRPI	78.26	77.78	88.24	81.82	62.50	45.45
Saprobic	1.88	1.87	1.97	1.83	2.00	1.94

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Simulium ornatum</i>	1936	5	16	7	45	43
Chironomidae						
Orthoclaeniinae	31		44	12		
<i>Dicranota</i>		4		3		
<i>Tanytarsini</i>	10	18		5	5	13
Tanytarsinae						
Oxycera pygmaea						
Stratiomyidae						
Ceratopogonidae						
<i>Antocha</i>			3		1	4
Tipulidae			5	2		2
Pilaria						
Rheotanytarsus						
<i>Atherix ibis</i>	3	8	4	10	1	
Tabanidae						
Clinocera						
ptychoptera		1				

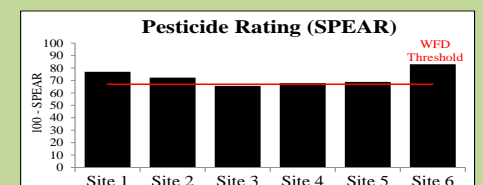
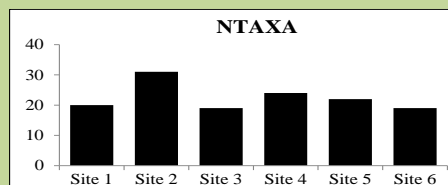
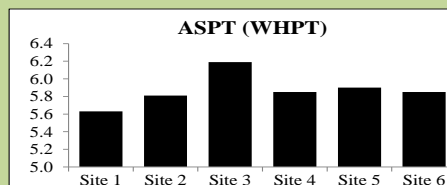
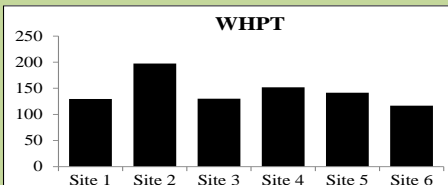
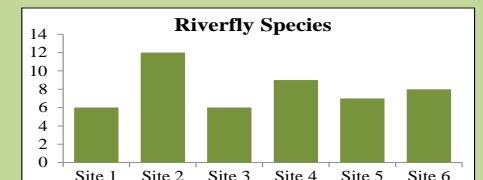
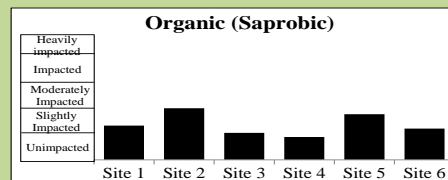
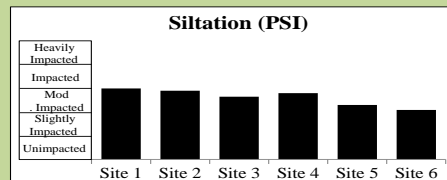
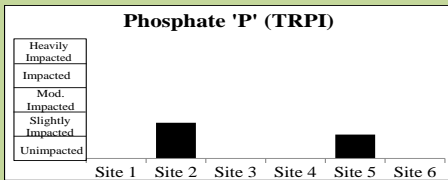
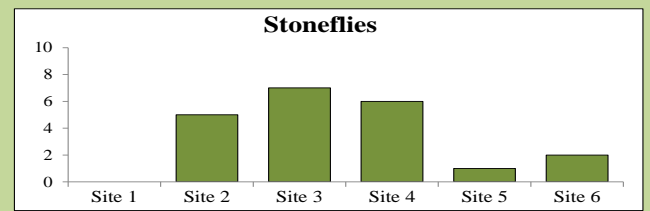
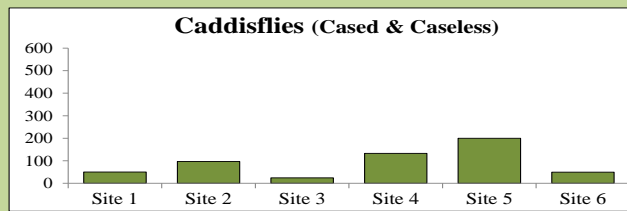
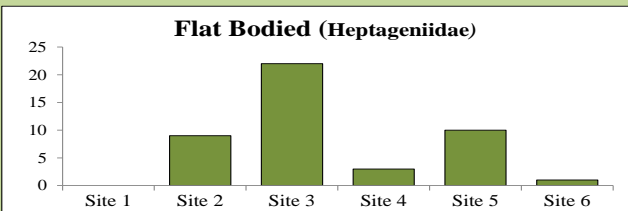
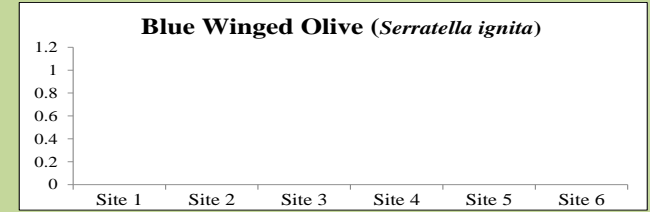
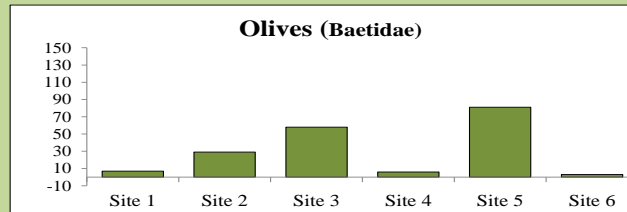
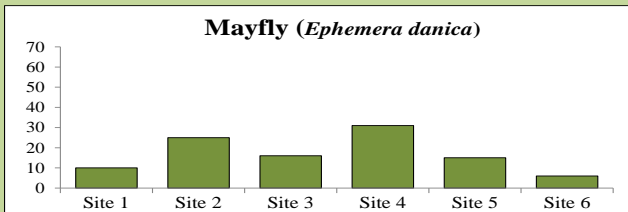
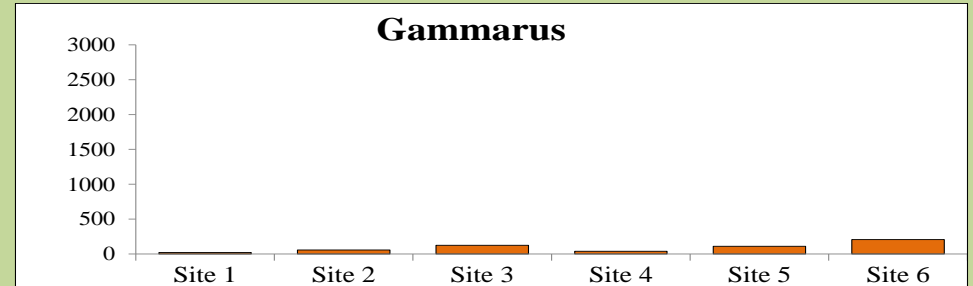
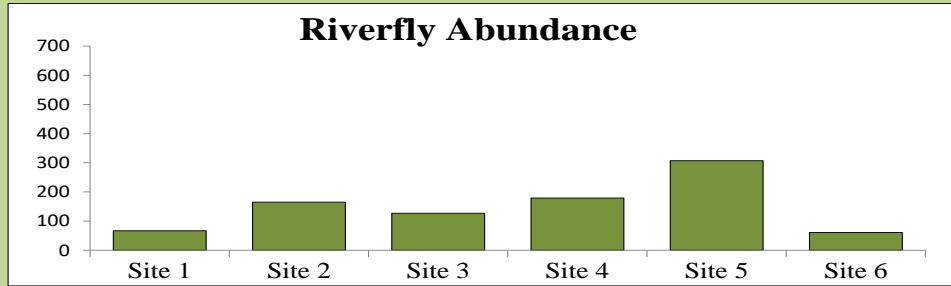
Alderfly	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Sialis lutaria</i>						

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>	110	182	848	113	121	347
<i>Asellus aquaticus</i>						

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Helobdella stagnalis</i>						
<i>Glossiphonia complanata</i>	3			6		3
<i>Theromyzon tessulatum</i>			1			
<i>Erpobdella octoculata</i>		9	4			7
<i>Haplotaxis gordioides</i>						
<i>Piscicola geometra</i>		1				
<i>Oligochaeta</i>		5		8	1	

# River Nadder

Autumn 2022





Caddisflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Silo nigricornis</i>	5					
<i>Goera pilosa</i>						
<i>Potamophylax</i>						
<i>Potamophylax latipennis</i>						
<i>Potamophylax cingulatus</i>						
<i>Athripsodes bilineatus</i>						
<i>Athripsodes cinereus</i>	5	2				
<i>Odontocerum albicorne</i>						
<i>Mystacides azurea</i>		3		7		
<i>Sericostoma personatum</i>	3	6	10	57	39	13
<i>Agapetus fuscipes</i>						
<i>Agapetus ochripes</i>		26				
<i>Chaetopteryx villosa</i>						
<i>Halesus</i>						
<i>Limnephilidae</i>						
<i>Limnephilus lunatus</i>						
<i>Limnephilus rhombicus</i>						
<i>Lepidostoma hirtum</i>						
<i>Hydroptila</i>				3		
<i>Ithytrichia lamellaris</i>		1				
<i>Anabolia nervosa</i>						
<i>Drusus annulatus</i>						
<i>Glyptotaelius pellucidus</i>						
<i>Melampophylax mucoreus</i>						
<i>Brachycentrus subnubilis</i>	37	29	14	54	155	27
<i>Rhyacophila dorsalis</i>						
<i>Rhyacophila septentrionis</i>						
<i>Hydropsyche pellucidula</i>		9		12	6	6
<i>Hydropsyche siltalai</i>		21				
<i>Hydropsyche contubernalis</i>						3
<i>Cheumatopsyche lepida</i>						
<i>Polycentropus flavomaculatus</i>						

Molluscs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Theodoxus fluviatilis</i>	28	11	135	27	35	97
<i>Lymnaea pereger</i>						
<i>Potamopyrgus antipodarum</i>	191	28		22		7
<i>Gyraulus albus</i>	6	15	6	5	21	22
<i>Anisus vortex</i>		4	3			5
<i>Physa fontinalis</i>		26			18	
<i>Ancylus fluviatilis</i>	39	7				
<i>Sphaerium</i>	41	3	27	30	65	6
<i>Pisidium</i>						
<i>Acroloxus lacustris</i>						
<i>Lymnaea palustris</i>						
<i>Planorbis</i>	3	7			2	
<i>Valvata piscinalis</i>		39		3		
<i>Valvata macrostoma</i>		5			5	
<i>Bithynia tentaculata</i>	9	63	13	16	43	34
<i>Lymnaea stagnalis</i>	1	1		2	4	
<i>Radix balthica</i>	86	8	27	49		15
<i>Bathyomphalus contortus</i>	1				5	

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



### River Nadder Autumn 2022

Mayflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Ephemera danica</i>	10	25	16	31	15	6
<i>Baetis</i>				6		
<i>Baetis rhodani</i>	7	29			9	3
<i>Baetis scambus</i>						
<i>Baetis muticus</i>						
<i>Baetis niger</i>						
<i>Baetis vernus</i>						
<i>Baetis fuscatus</i>			58		72	
<i>Heptagenia sulphurea</i>		9	22	3	10	1
<i>Serratella ignita</i>						
<i>Caenis rivulorum</i>						
<i>Caenis luctuosa</i>						
<i>P. submarginata</i>						

Stoneflies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Pisiccola geometra</i>					1	
<i>Leuctra</i>		5	7			
<i>Leuctra fusca</i>				6		2

Beetles & Bugs	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Elmis aenea</i>	106	127	197	95	29	33
<i>Oulimnius tuberculatus</i>	28	79		37		6
<i>Limnius volckmari</i>	36	42	61	171	47	7
<i>Orectocheilus villosus</i>		1	3	4	3	5
<i>Scirtes</i>						
<i>Brychius elevatus</i>	4	14		19	2	
<i>Sigara</i>	1					
<i>Riolus subviolaceus</i>						
<i>Haliplus</i>		1	1	3		
<i>Aphelocheirus aestivalis</i>				7	8	122
<i>Eosolus parallelepipedus</i>			16			
<i>Hydraena riparia</i>		3				
<i>Hydracarina</i>						7

Biometrics	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BMWP	115	168	105	140	123	113
ASPT	5.75	5.41	5.53	5.83	5.59	5.95
WHPT	129.6	197.5	130	152	142	117
ASPT	5.63	5.81	6.19	5.85	5.90	5.85
Number of Taxa	20	31	19	24	22	19
Riverfly - species	6	12	6	9	7	8
Riverfly - numbers	67	165	127	179	306	61
CCI	7.72	13.59	10.28	9.60	11.80	10.00
LIFE	7.38	7.34	7.90	7.50	7.76	7.65
PSI	40.35	42.19	47.27	44.26	54.24	58.33
SPEAR	23.07	27.72	34.33	32.15	31.13	16.95
TRPI	100	70	100.00	100.00	80.00	100.00
Saprobic	1.97	2.26	1.85	1.78	2.16	1.92

True Flies	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Simulium ornatum</i>	17	44	72	11	703	23
<i>Simulium</i>						
Chironomidae		1				
<i>Orhocladiinae</i>		5		15	18	
<i>Dicranota</i>	4	4				
<i>Tanytarsini</i>						9
<i>Tanytarsini</i>						1
<i>Oxycera pygmaea</i>						
Stratiomyidae						
<i>Ceratopogonidae</i>						
<i>Antocha</i>						
Tipulidae	2					
<i>Pilaria</i>						
<i>Rheotanytarsus</i>						
<i>Atherix ibis</i>	9	10	10	16	3	
<i>Limnophora</i>						
<i>Dixa</i>			3		3	
Tabanidae	1	1				
<i>Prodiamesa olivacea</i>						7

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

Crustaceans	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Gammarus pulex</i>	21	57	125	38	111	207
<i>Asellus aquaticus</i>		1				

Leeches & Worms	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
<i>Helobdella stagnalis</i>						3
<i>Glossiphonia complanata</i>	13	6	11	9		11
<i>Theromyzon tessulatum</i>				2		
<i>Erpobdella octoculata</i>	3	5	9	4		
<i>Haplotaxis gordioides</i>						
<i>Pisiccola geometra</i>						
<i>Oligochaeta</i>		1	7			
<i>Polycelis felina</i>						

