

Salisbury & District Angling Club

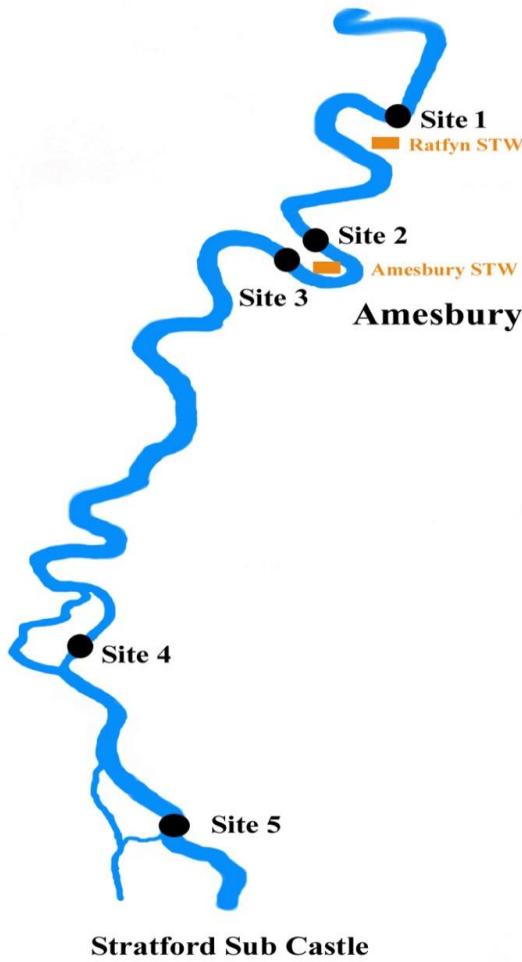
Centre for Riverfly Conservation



Site 2 - Queensbury Bridge
(SU 15110 41288)



Site 4 - Beat 18
(SU 12651 34829)



Site 1 - Stonehenge
(SU 16236 43310)

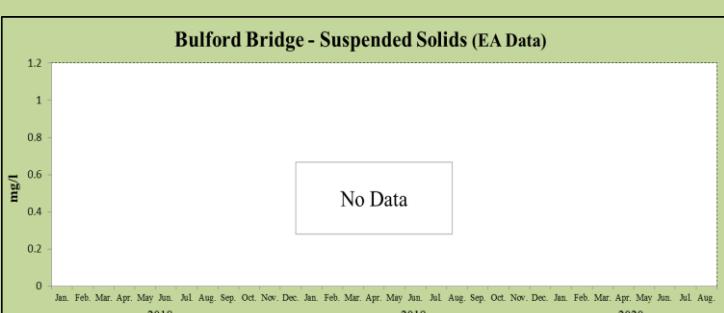
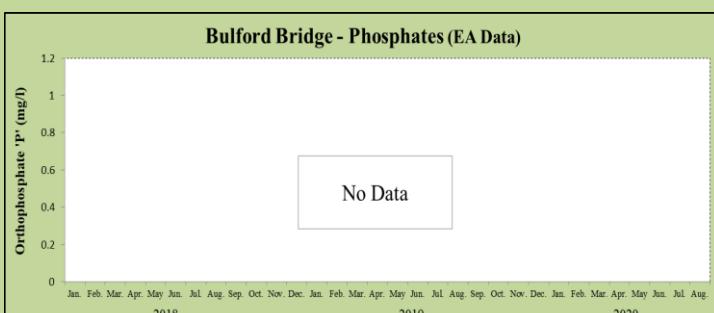
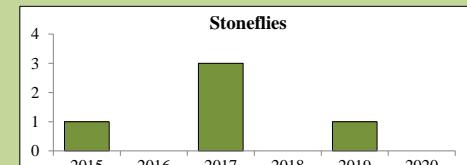
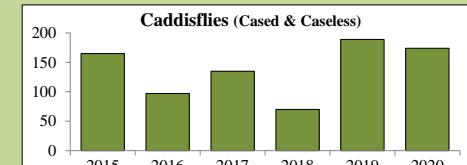
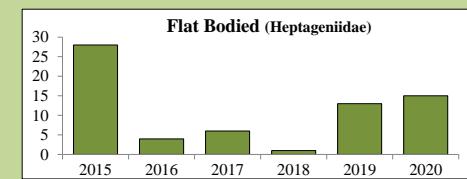
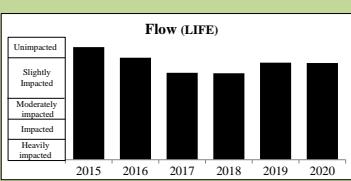
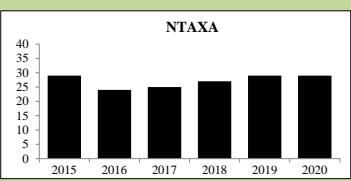
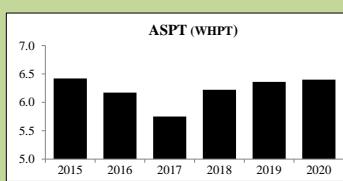
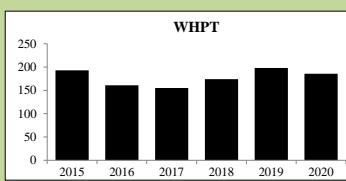
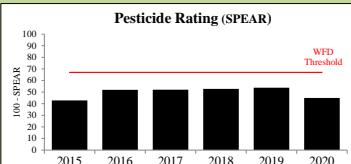
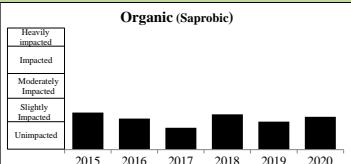
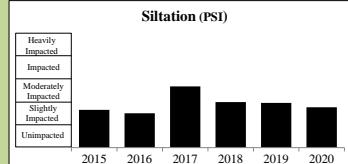
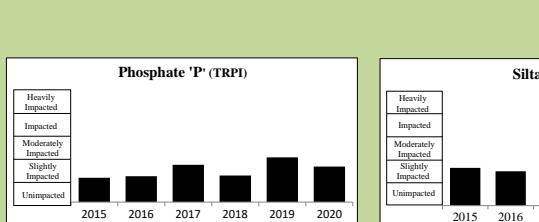
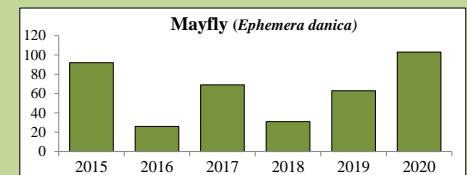
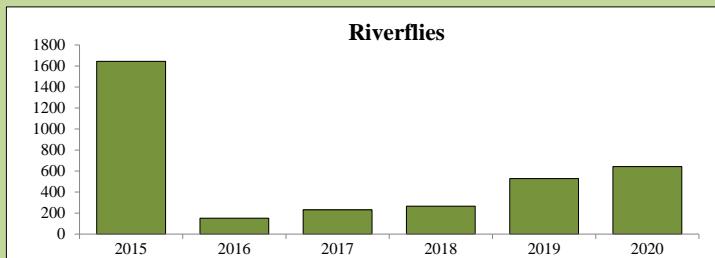
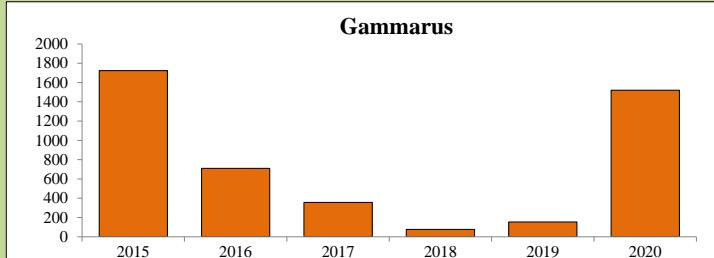


Site 3 - Ham Hatches
(SU 14886 41034)



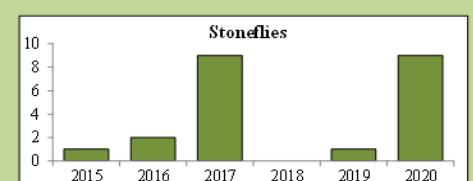
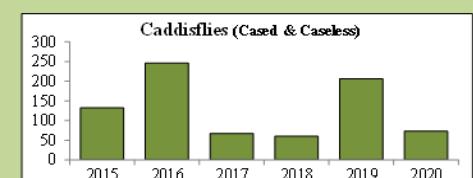
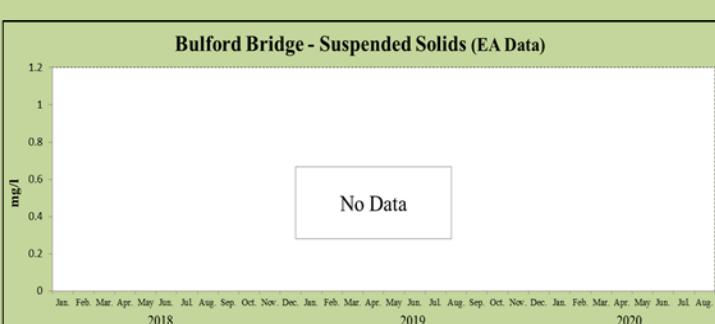
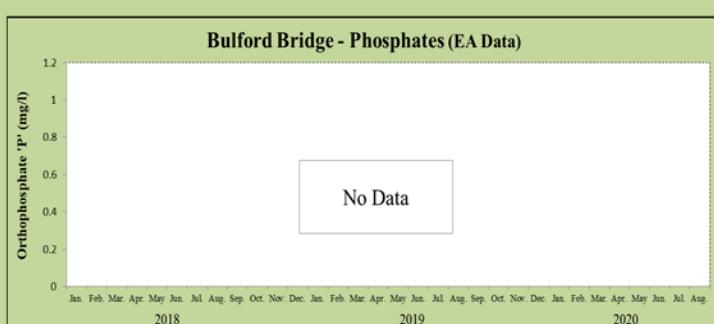
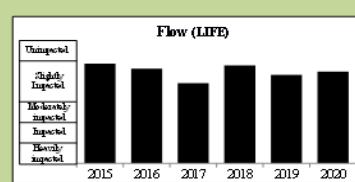
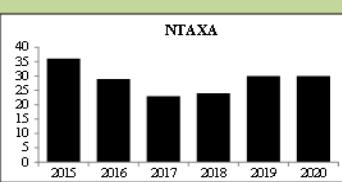
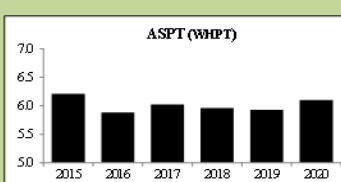
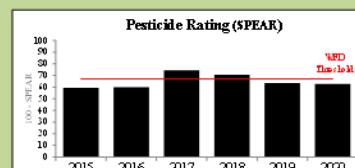
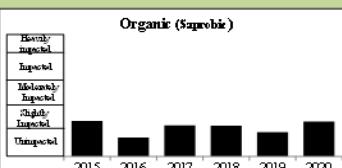
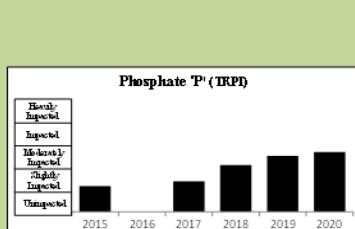
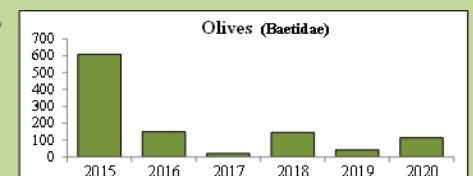
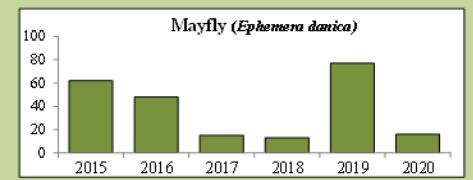
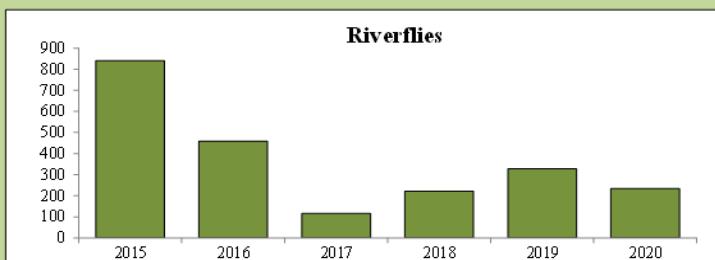
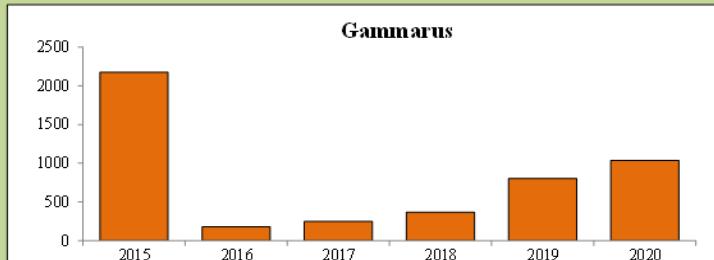
Site 5 - Stratford Bridge
(SU 12928 32953)

River Avon - Stonehenge Spring



Data in Appendix 1

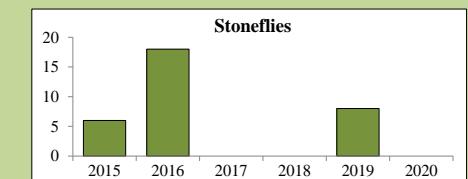
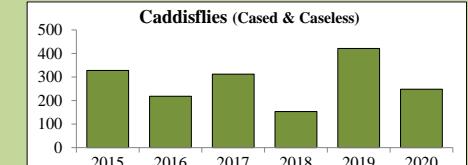
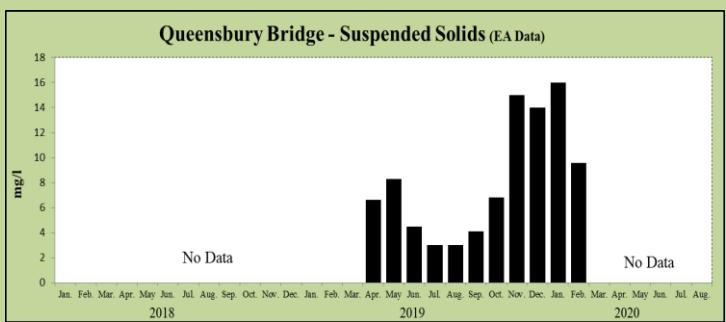
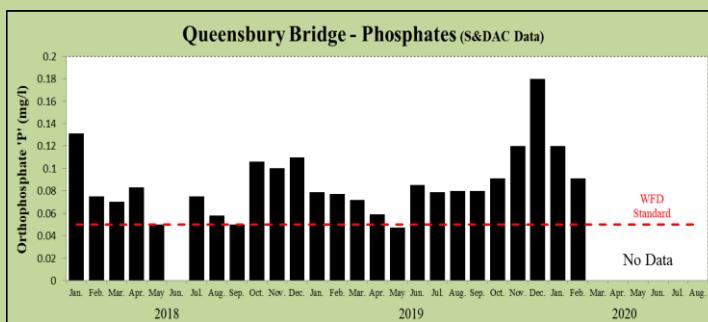
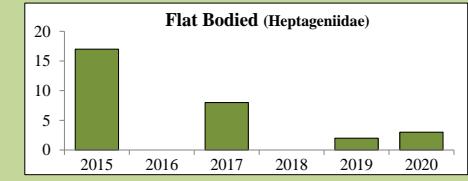
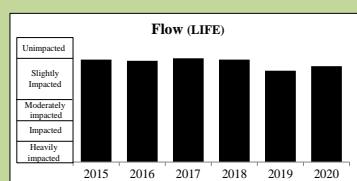
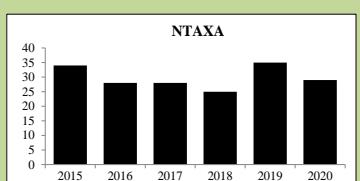
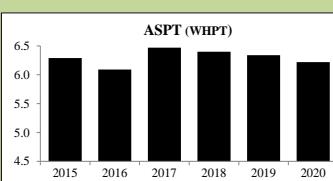
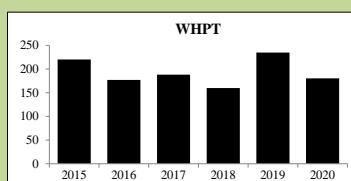
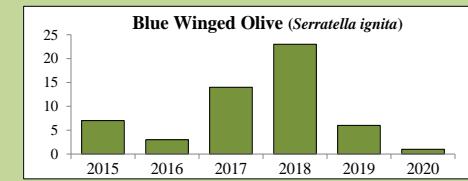
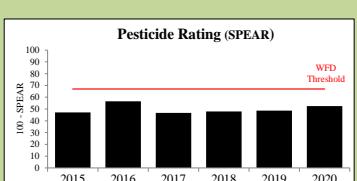
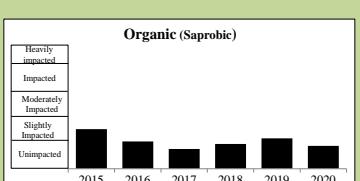
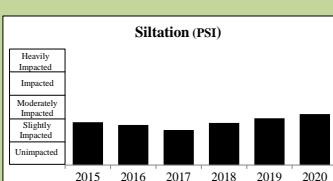
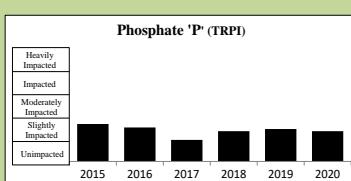
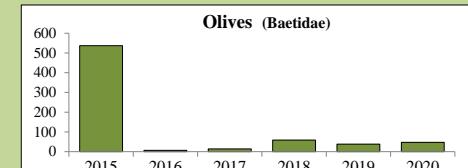
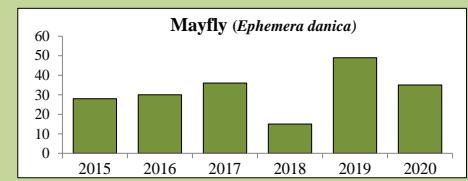
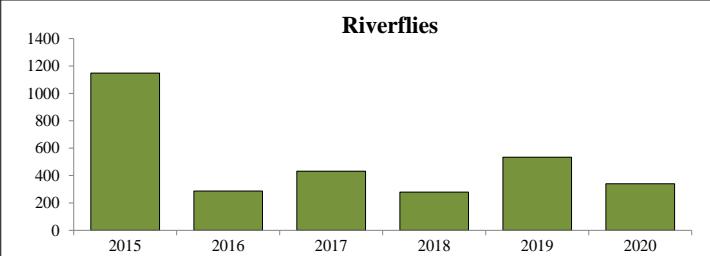
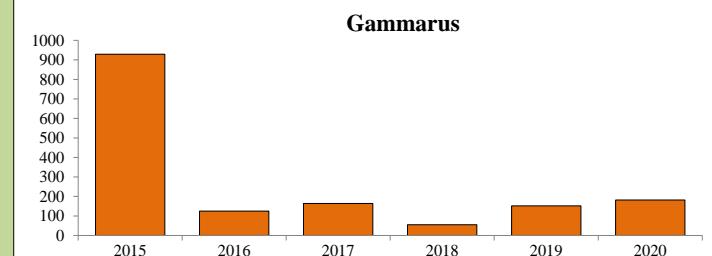
River Avon - Stonehenge Autumn



Data in Appendix 1a

River Avon - Queensbury Bridge

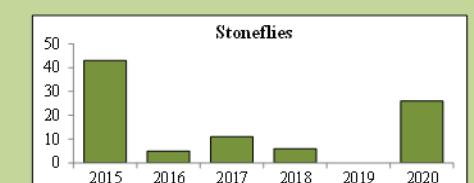
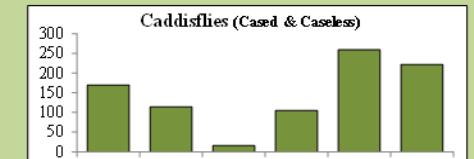
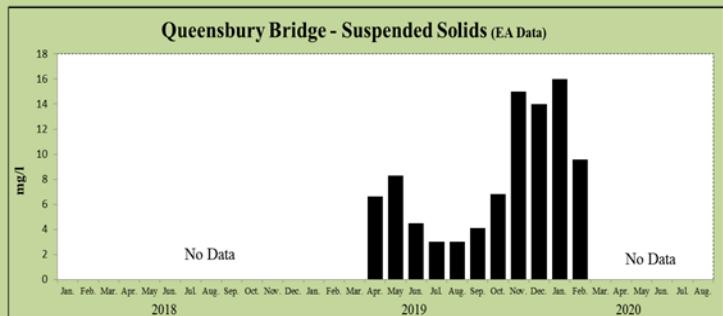
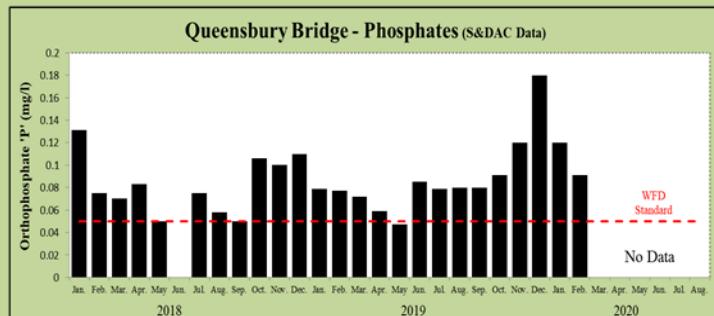
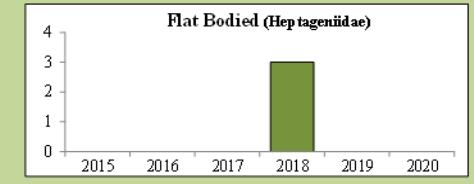
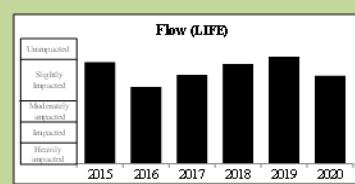
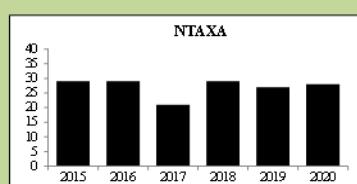
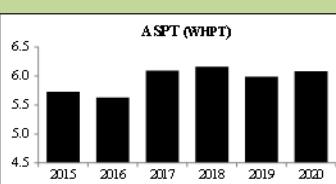
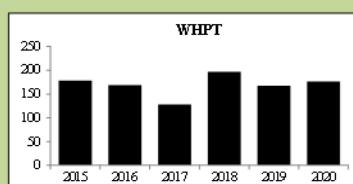
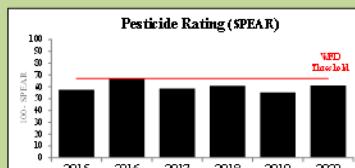
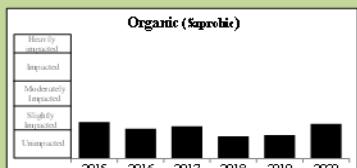
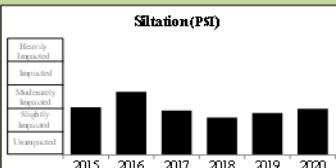
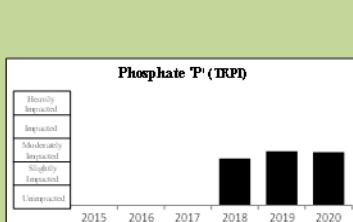
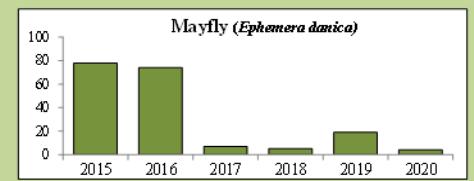
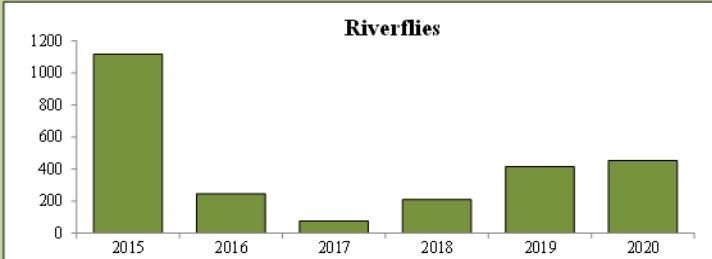
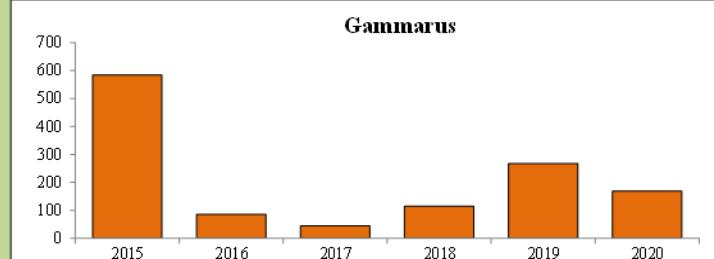
Spring



Data in Appendix 2

River Avon - Queensbury Bridge

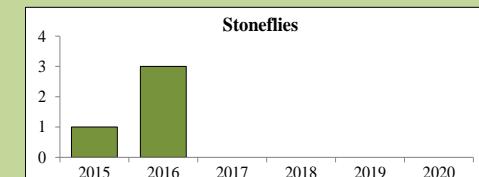
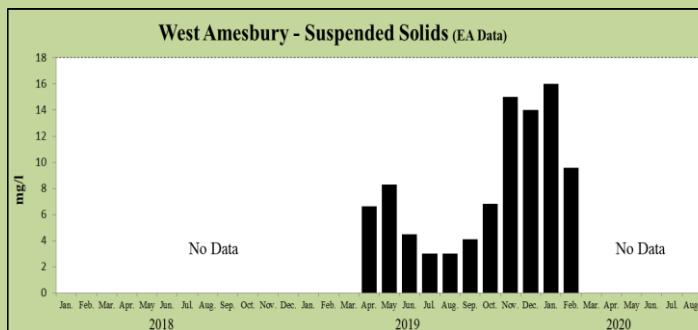
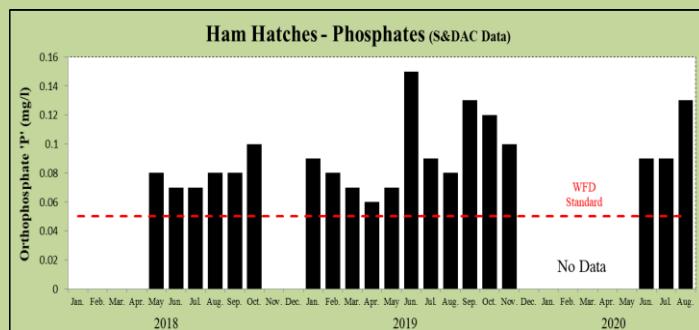
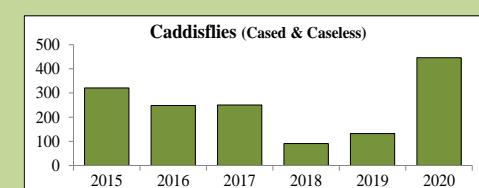
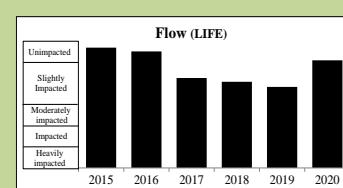
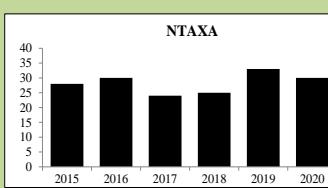
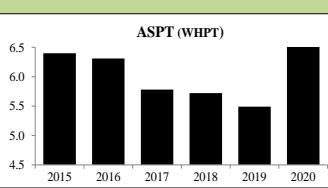
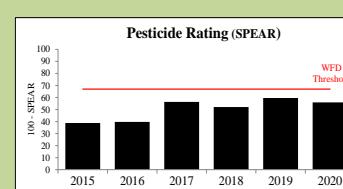
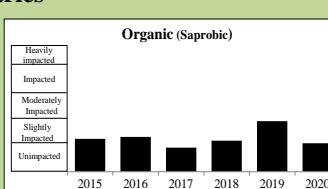
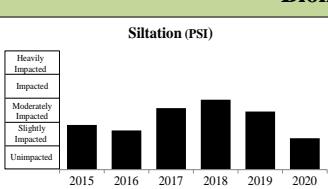
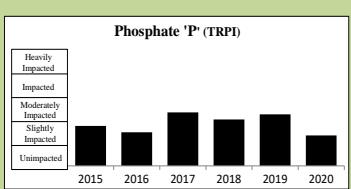
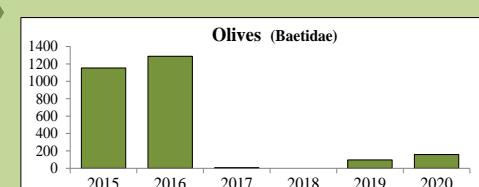
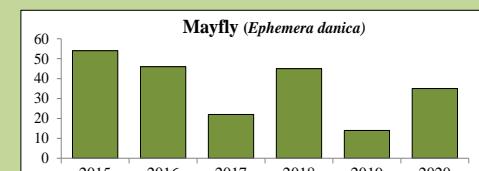
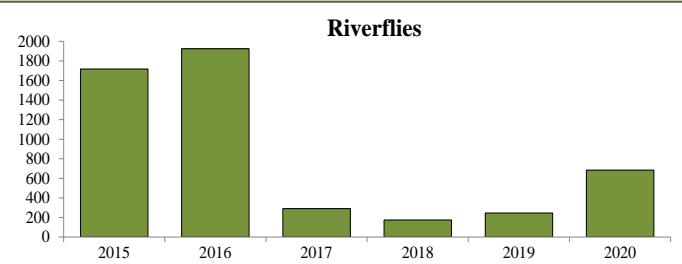
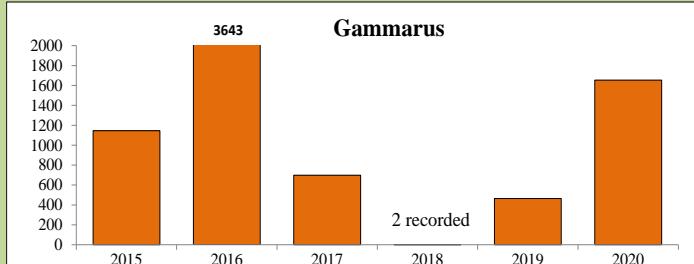
Autumn



Data in Appendix 2a

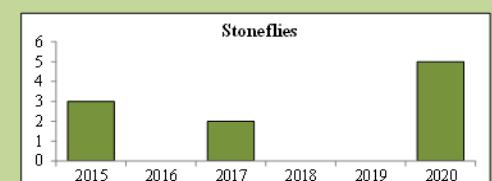
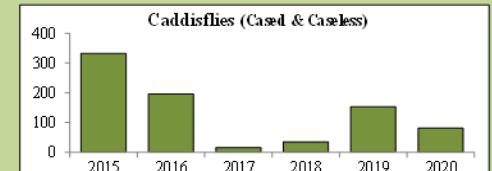
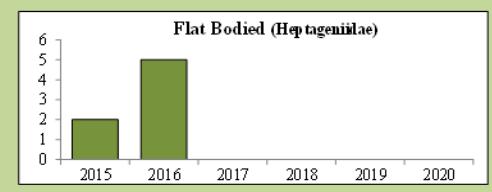
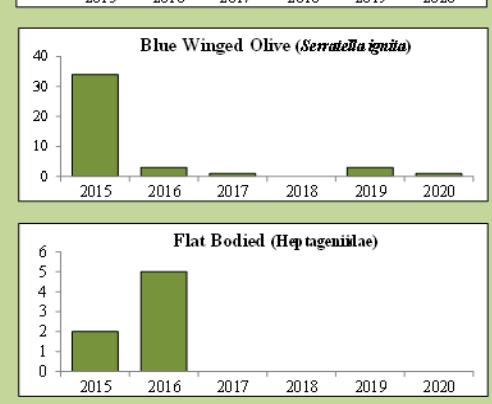
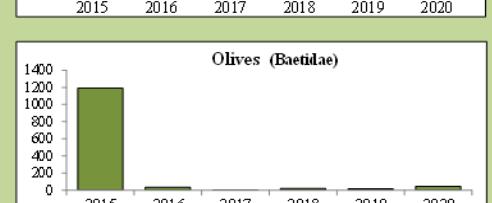
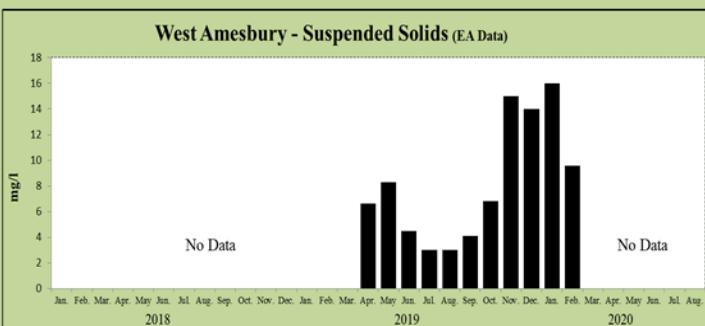
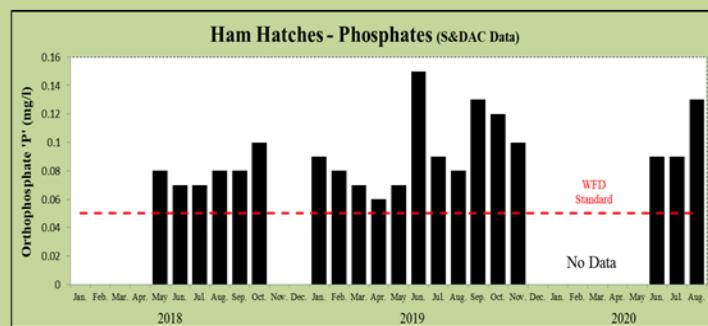
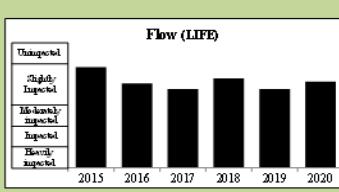
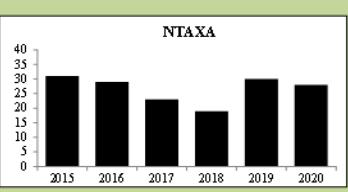
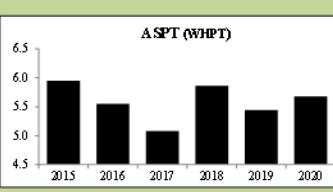
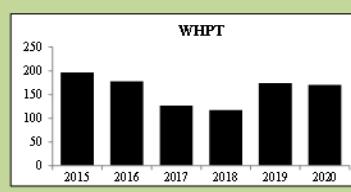
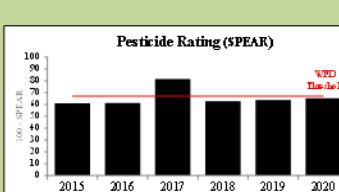
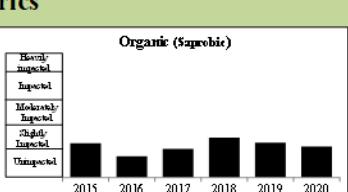
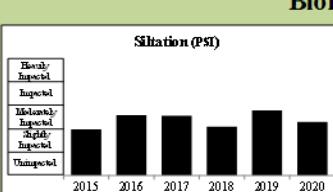
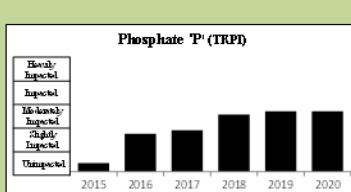
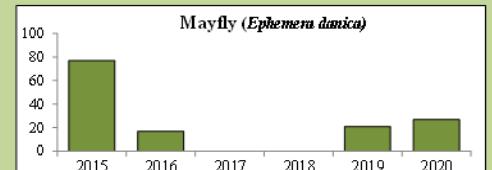
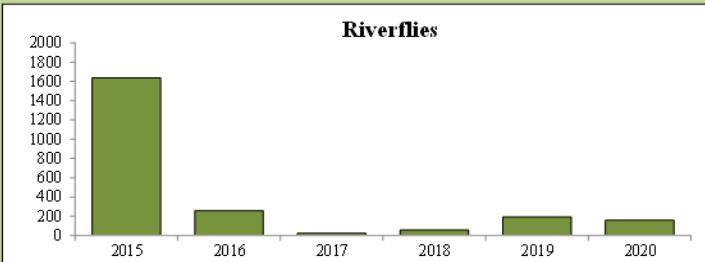
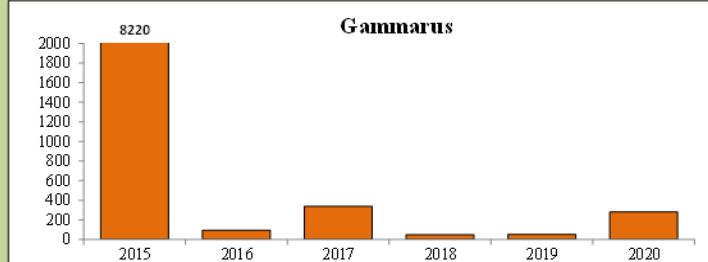
River Avon - Ham Hatches

Spring



Data in Appendix 3

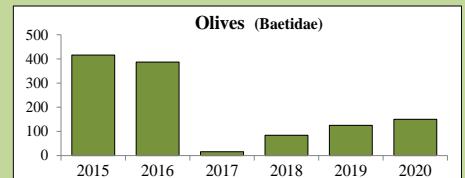
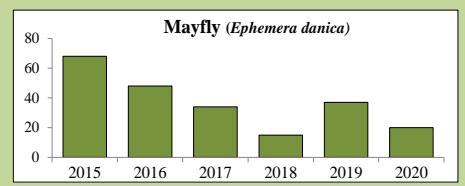
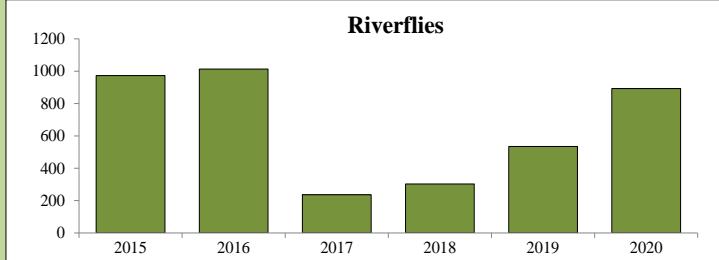
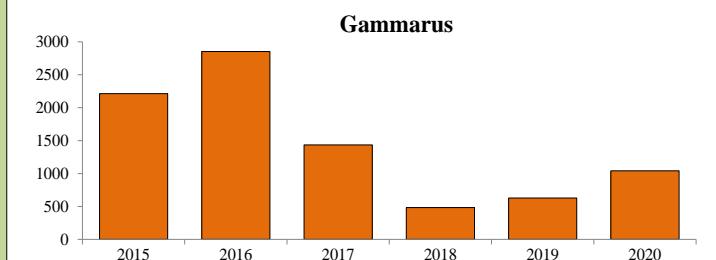
River Avon - Ham Hatches Autumn



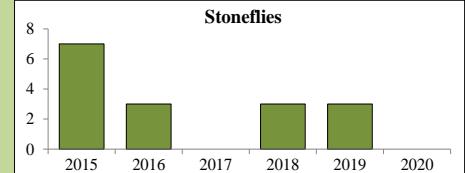
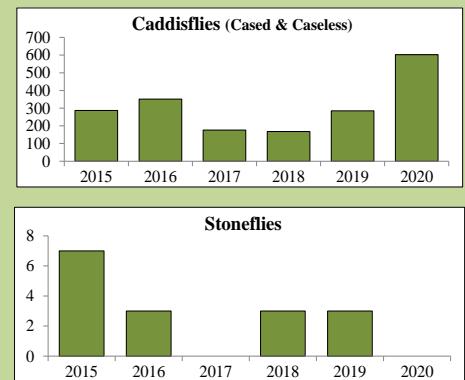
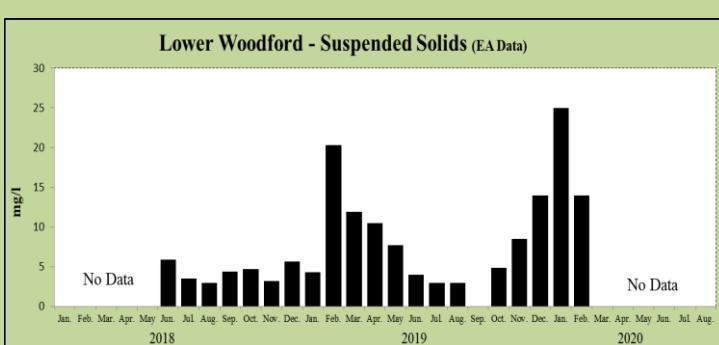
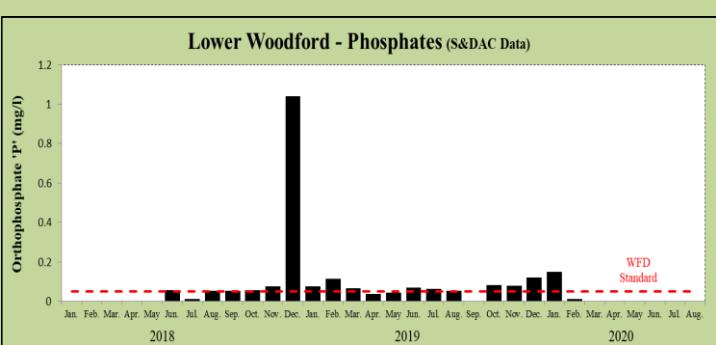
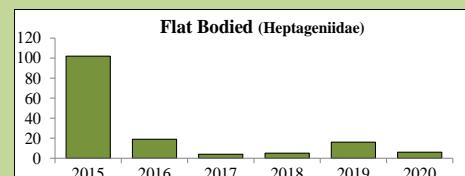
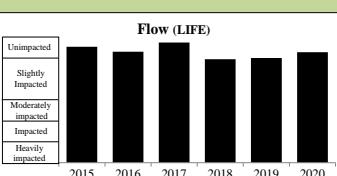
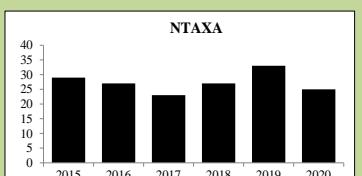
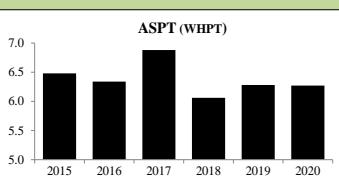
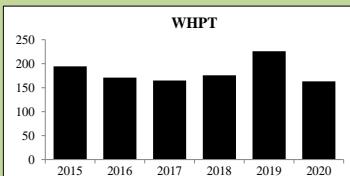
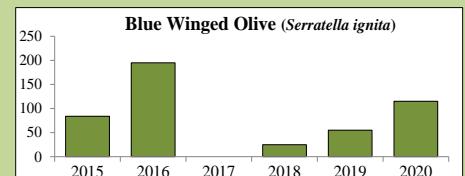
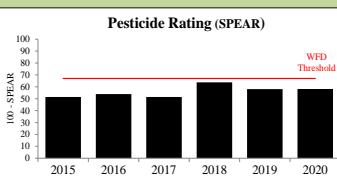
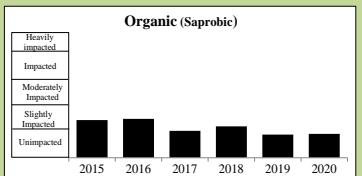
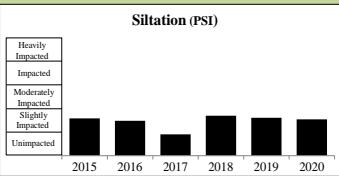
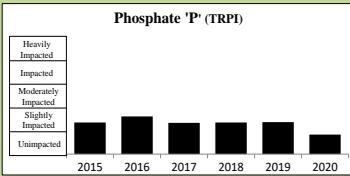
Data in Appendix 3a

River Avon - Beat 18

Spring



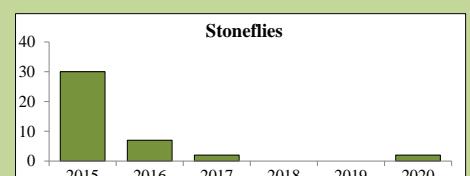
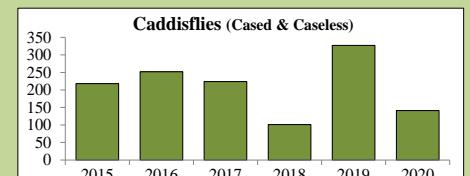
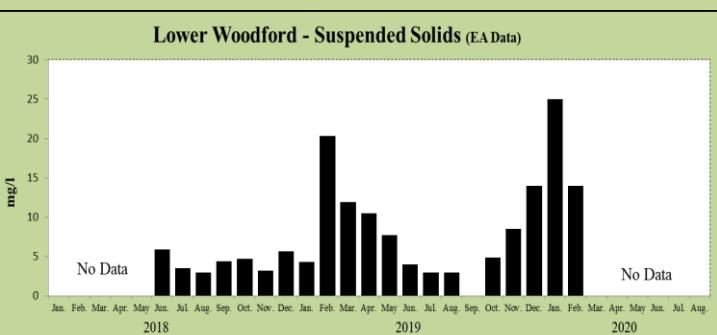
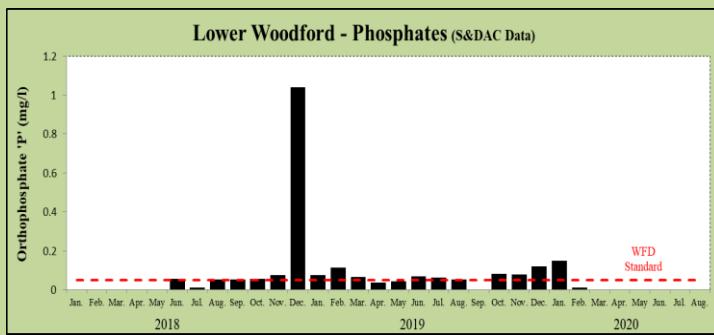
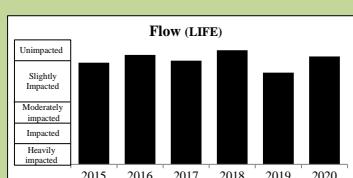
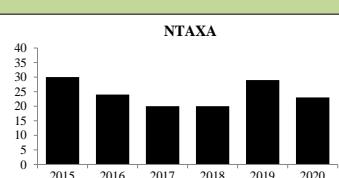
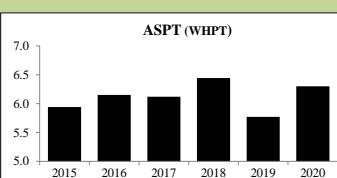
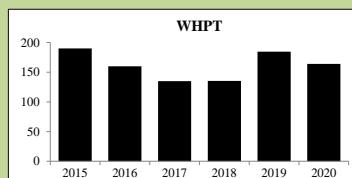
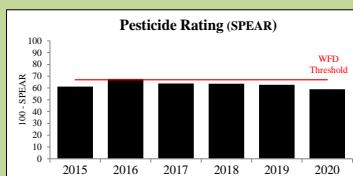
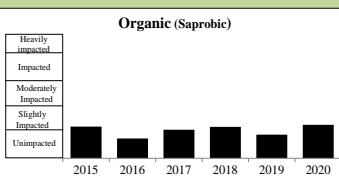
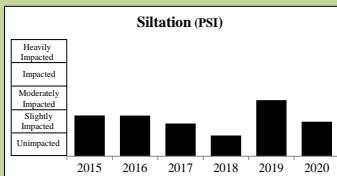
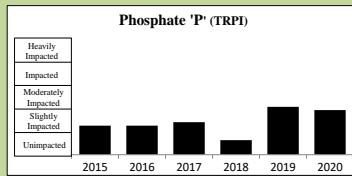
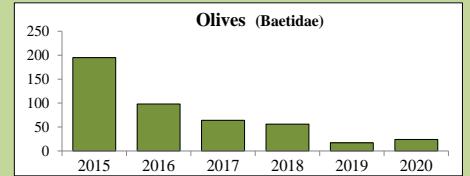
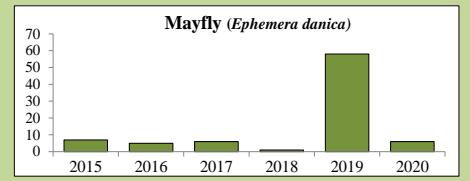
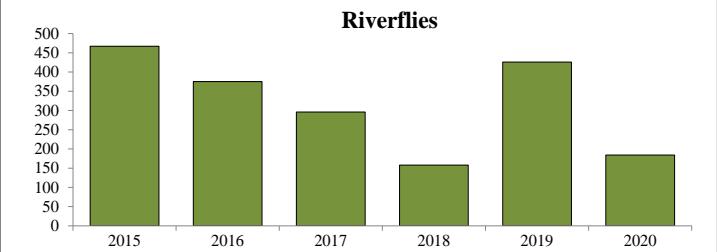
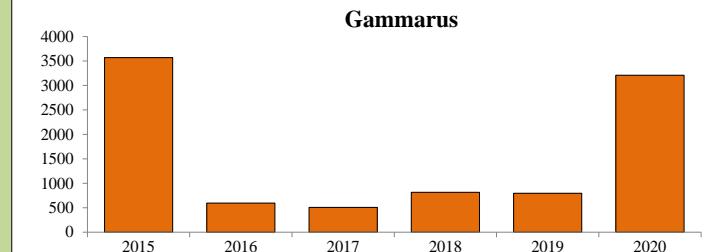
Biometrics



Data in Appendix 4

River Avon - Beat 18

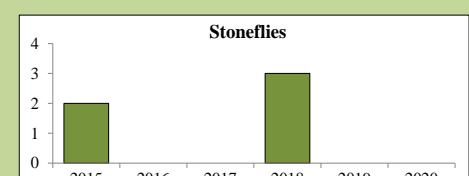
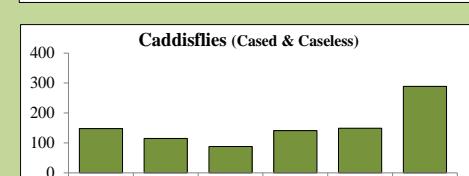
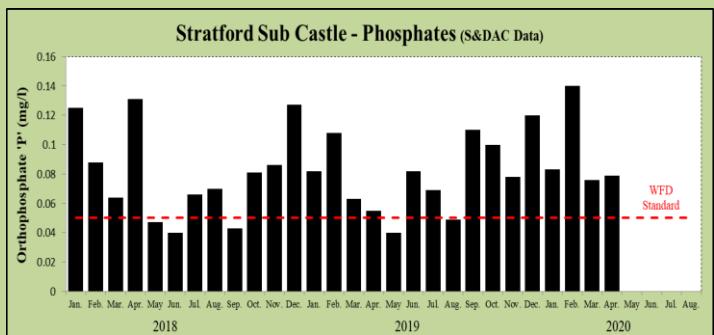
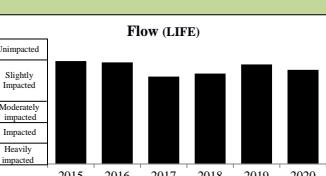
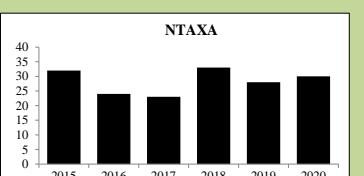
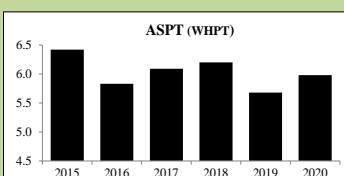
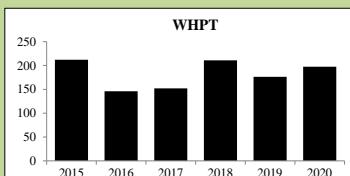
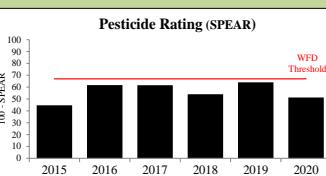
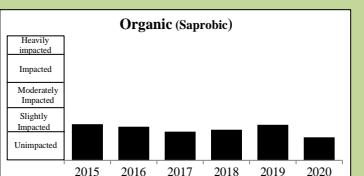
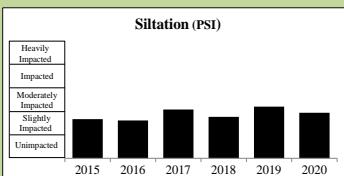
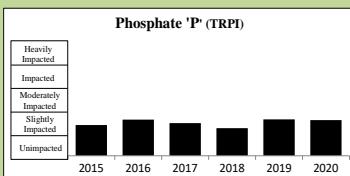
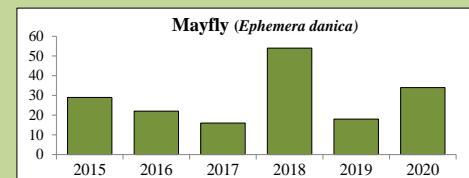
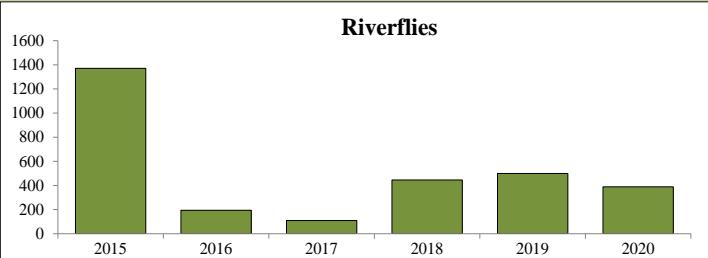
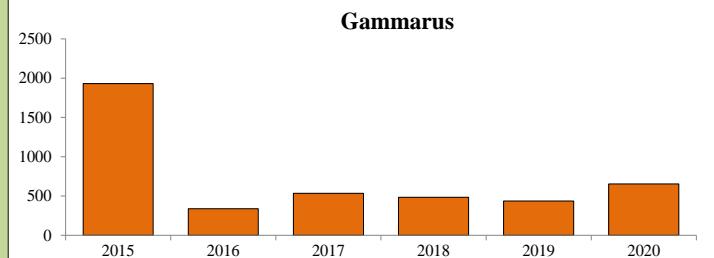
Autumn



Data in Appendix 4a

River Avon - Stratford Bridge

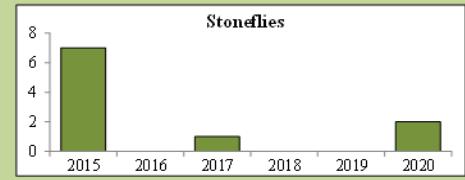
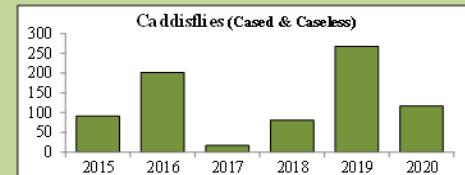
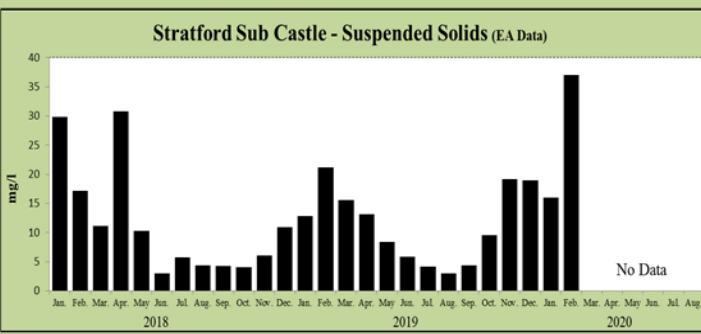
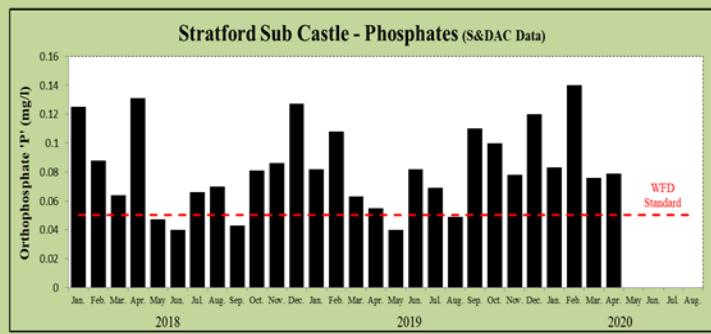
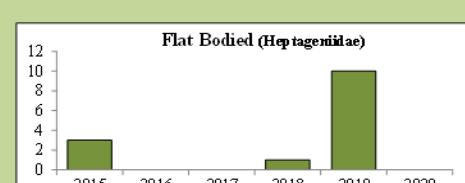
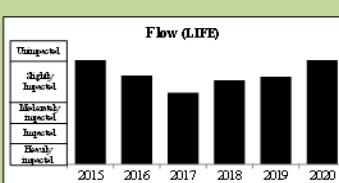
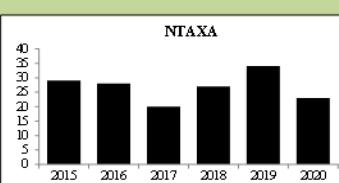
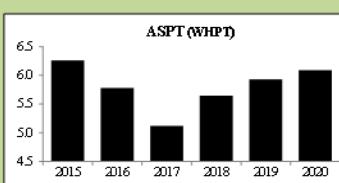
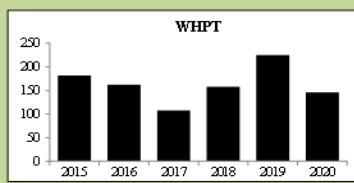
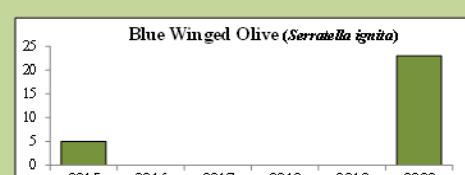
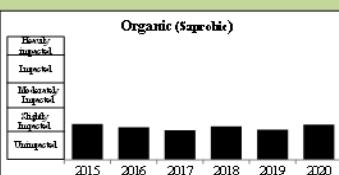
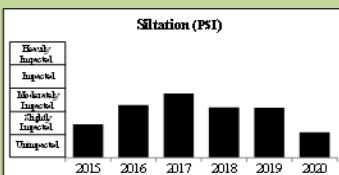
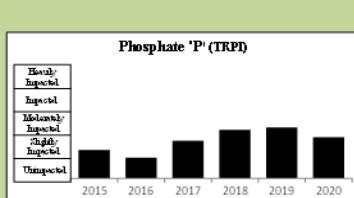
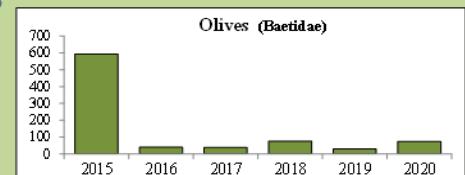
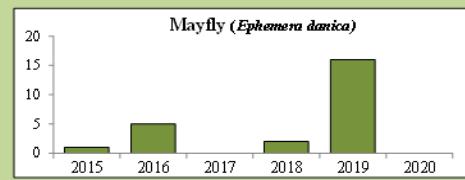
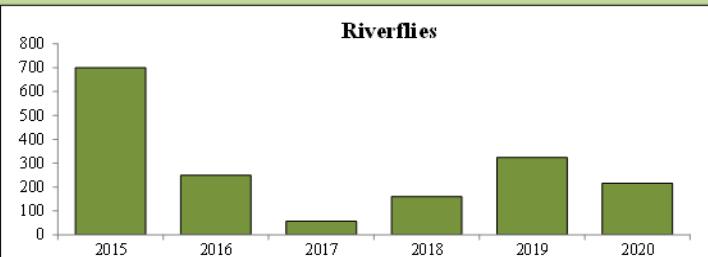
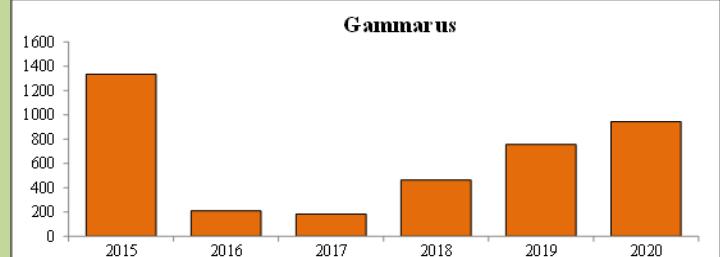
Spring



Data in Appendix 5

River Avon - Stratford Bridge

Autumn

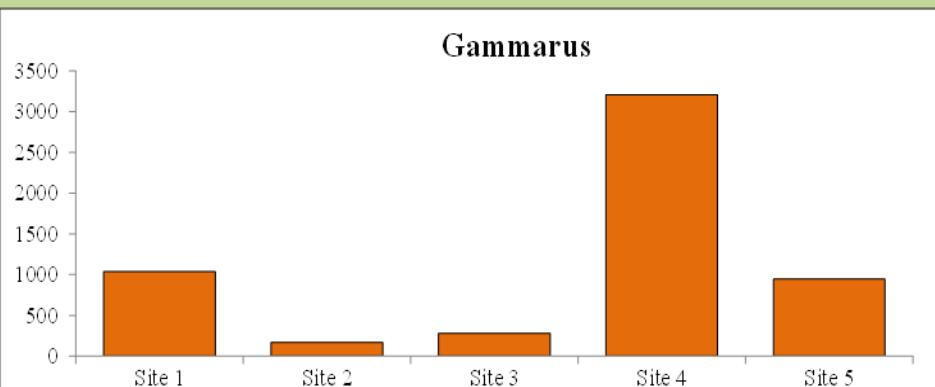


Data in Appendix 5a

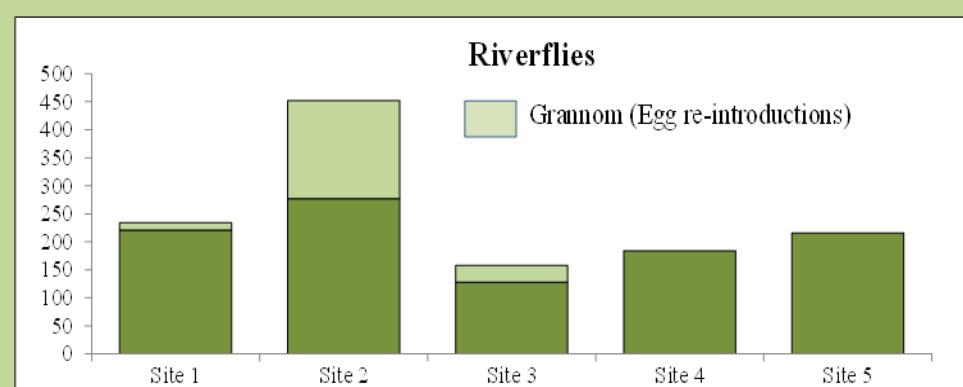
Site Data - 2020

Autumn

Gammarus

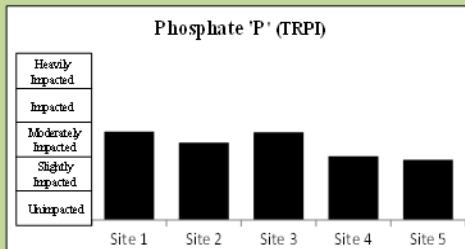


Riverflies

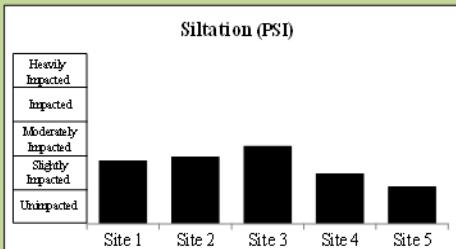


Biometrics

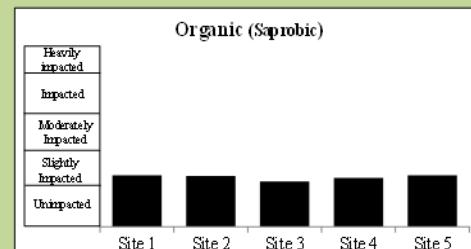
Phosphate T' (TRPI)



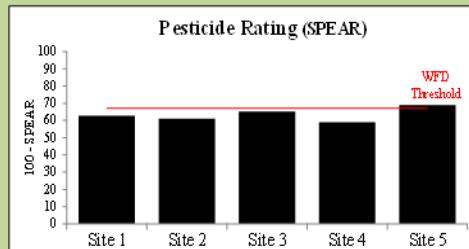
Siltation (PSI)



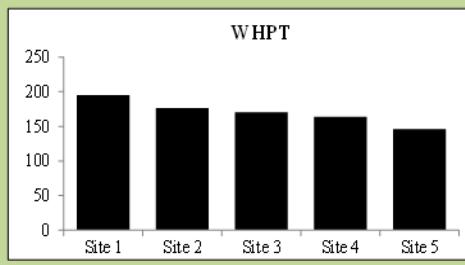
Organic (Saprobic)



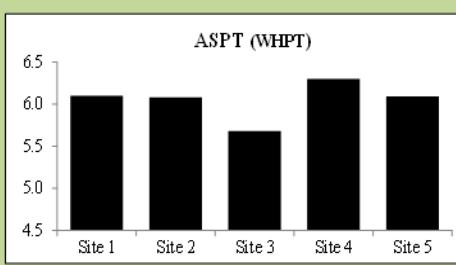
Pesticide Rating (SPEAR)



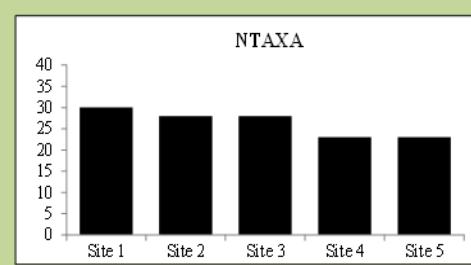
WHPT



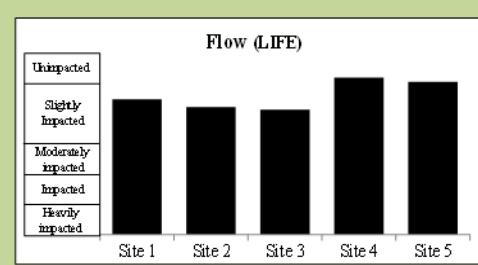
ASPT (WHPT)



NTAXA



Flow (LIFE)



Appendix

Appendix 1

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Silo nigricornis</i>	2	8	0	4	11	5
<i>Goera pilosa</i>	0	0	0	0	0	3
<i>Potamophylax</i>	0	0	0	0	5	3
<i>Potamophylax latipennis</i>	7	0	0	0	0	8
<i>Potamophylax cingulatus</i>	0	5	0	0	0	0
<i>Atriplodes bilineatus</i>	0	7	33	0	0	6
<i>Atriplodes cinereus</i>	0	0	0	2	4	3
<i>Odontocerum albicorne</i>	14	2	0	1	6	1
<i>Mystacides azurea</i>	6	0	0	1	7	1
<i>Sericostoma personatum</i>	86	53	21	9	29	40
<i>Agapetus fuscipes</i>	5	4	24	9	54	15
<i>Chaetopteryx villosa</i>	8	0	0	0	0	4
<i>Halesus</i>	0	0	0	1	4	11
<i>Limnephilidae</i>	0	0	0	1	0	0
<i>Limnephilus lunatus</i>	0	2	0	8	0	19
<i>Limnephilus rhombicus</i>	0	0	0	1	0	3
<i>Lepidostoma hirtum</i>	7	0	0	0	0	0
<i>Hydroptila</i>	6	0	18	9	10	9
<i>Ithytrichia lamellaris</i>	0	0	15	0	0	0
<i>Anabolia nervosa</i>	2	0	0	12	13	17
<i>Drusus annulatus</i>	2	0	0	0	0	3
<i>Glyphotaelius pellucidus</i>	0	0	0	0	2	0
<i>Melampophylax mucoreus</i>	0	0	0	1	3	7
<i>Rhyacophilidae</i>	3	2	3	0	10	4
<i>Hydropsyche pellucida</i>	7	12	21	0	18	7
<i>Hydropsyche sithalai</i>	10	0	0	11	11	5
<i>Lype reducta</i>	0	2	0	0	0	0
<i>Cheumatopsyche lepida</i>	0	0	0	0	2	0
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx virgo</i>						1
Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella danica</i>	92	26	69	31	63	103
<i>Baetis</i>	1093	0	9	0	0	120
<i>Baetis rhodani</i>	0	8	0	77	78	109
<i>Baetis scambus</i>	0	0	0	0	106	55
<i>Baetis muticus</i>	0	0	0	1	0	0
<i>Baetis niger</i>	0	0	0	7	0	0
<i>Baetis vernus</i>	0	0	0	1	0	0
<i>Heptagenia sulphurea</i>	20	4	3	1	13	15
<i>Ecdyonurus dispar</i>	8	0	3	0	0	0
<i>Serratella ignita</i>	42	8	0	7	5	40
<i>Caenid rivulorum</i>	223	8	0	68	73	26
<i>Caenid luctuosa</i>	0	0	9	0	0	0
<i>Paraleptophlebia submarginata</i>	0	0	0	3	0	1
Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fusca</i>	1	0	0	0	1	0
<i>Nemoura cinerea</i>	0	0	3	0	0	0
<i>Oreocochilius villosus</i>	0	4	3	2	7	1
<i>Scirtes</i>	0	0	3	0	0	0
<i>Brychiush elevatus</i>	0	0	3	0	0	0
<i>Sigara</i>	0	0	0	1	0	0
Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	97	16	255	44	78	62
<i>Oulimnius tuberculatus</i>	0	1	36	2	1	2
<i>Limnius volckmari</i>	29	17	132	15	3	33
<i>Orectochilus villosus</i>	0	4	3	2	7	1
<i>Scirtes</i>	0	0	3	0	0	0
<i>Brychiush elevatus</i>	0	0	3	0	0	0
<i>Sigara</i>	0	0	0	1	0	0
Alderfly	2015	2016	2017	2018	2019	2020
<i>Sialia lutaria</i>	0	0	3	0	0	0
Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	1723	710	356	76	153	1521
<i>Asellus aquaticus</i>	0	0	0	0	18	11
Biometrics	2015	2016	2017	2018	2019	2020
BMWP	180	149	141	165	180	175
ASPT	6.21	6.21	5.64	6.11	6.21	6.03
WHPT	193	161	155	174	198	185.6
ASPT	6.42	6.17	5.75	6.22	6.36	6.40
Number of Taxa	29	24	25	27	29	29
Riverfly - species	21	15	13	23	23	29
Riverfly - numbers	1644	151	231	266	528	643
CC1	13.25	15.3	7.75	14.47	14.19	14.74
LIFE	8.26	8	7.63	7.62	7.88	7.87
PSI	67.12	70	46.67	60.32	60.98	64.84
SPEAR	57.19	47.99	47.93	47.25	46.16	55.00
TRPI	78.26	76.92	66.67	76.19	60.00	68.18
Saprobic	2.01	1.91	1.76	1.98	1.86	1.94
Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	1	0	15	0	17	11
<i>Lymnaea peregrina</i>	2	5	3	0	0	1
<i>Potamopygus antipodarum</i>	1	0	24	9	81	19
<i>Gyrula albus</i>	0	0	21	0	7	0
<i>Anisus vortex</i>	6	0	78	3	13	6
<i>Physa fontinalis</i>	1	0	0	0	0	0
<i>Ancylus fluviatilis</i>	1	0	0	0	6	5
<i>Sphaerium</i>	0	0	6	5	0	1
<i>Pisidium</i>	6	0	0	0	18	2
<i>Acroloxus lacustris</i>	0	0	0	0	5	0
<i>Lymnaea palustris</i>	0	0	0	0	0	1
Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Helobdella stagnalis</i>	0	1	0	3	0	0
<i>Glossiphonia complanata</i>	1	1	0	1	2	2
<i>Theromyzon tessulatum</i>	1	0	0	0	0	0
<i>Erpobdella octoculata</i>	0	1	0	3	0	0
<i>Haplotaxis gordonioides</i>	0	0	0	0	1	0
<i>Oligochaeta</i>	16	10	0	3	2	14



River Avon - Stonehenge
Spring

Appendix 1a

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Salo nigricornis</i>	9	5	0	4	23	7
<i>Glossa polosa</i>	17	0	0	0	0	3
<i>Potamophylax</i>	0	0	2	0	0	2
<i>Atherigone eximius</i>	2	6	5	0	14	1
<i>Odonostomus albivirne</i>	12	7	0	1	0	2
<i>Metacanthocnemis australis</i>	0	32	0	2	0	1
<i>Sericostoma personatum</i>	33	27	5	1	46	4
<i>Agapetus foxopes</i>	9	73	0	26	59	4
<i>Lamnephilidae</i>	0	2	0	0	0	0
<i>Lamnephilus rhombatus</i>	1	0	0	0	0	0
<i>Leptohetaera hercules</i>	1	0	0	0	0	0
<i>Hedriodis</i>	0	8	0	0	0	2
<i>Ithytrichia</i>	0	11	0	0	8	0
<i>Rhyacophilidae lamellaria</i>	0	11	0	0	0	0
<i>Brachycentrus subnubilus</i>	3	3	2	0	10	13
<i>Doriss annulatus</i>	1	0	0	1	0	0
<i>Berara pullata</i>	0	0	0	0	1	0
<i>Chaeopterops lepidus</i>	0	0	0	0	0	1
<i>Halecia quadrata</i>	0	0	0	0	0	1
<i>Cheumatopsyche lepidus</i>	0	0	0	0	5	0
<i>Rhineophila dorsalis</i>	1	0	0	1	4	2
<i>Hydropsyche pallidula</i>	40	61	53	16	28	20
<i>Hydropsyche setifera</i>	0	0	0	8	5	9
<i>Polycentropus</i>	0	0	0	0	3	0
<i>Polycentropus flavomaculatus</i>	3	0	0	0	0	1
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx</i>	2	0	1	0	0	0
<i>Calopteryx sphaeroides</i>	0	0	0	0	1	0

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella danica</i>	62	48	15	13	77	16
<i>Baetis</i>	601	0	0	0	0	0
<i>Baetis neocaledon</i>	8	0	0	65	12	8
<i>Baetis bimaculatus</i>	0	0	0	0	0	2
<i>Baetis rhodani</i>	0	149	21	81	31	105
<i>Heptagenia sulphurea</i>	22	0	0	0	0	0
<i>Serracella agrestis</i>	15	14	4	0	1	21
<i>Centropeltum hirculus</i>	0	0	0	3	0	0
Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fucicola</i>	1	2	9	0	0	6
<i>Leuctra gentilis</i>	0	0	0	0	1	3
<i>Elimia aerea</i>	244	79	75	49	47	41
<i>Oulonousa tuberculatus</i>	0	0	7	3	6	8
<i>Lomaxus valckenaeri</i>	117	51	43	7	32	23
<i>Rivulus subvelutinus</i>	0	13	0	0	0	0
<i>Oreocochlea villensis</i>	8	0	3	0	0	0
<i>Halophilus</i>	2	2	0	0	0	0
<i>Dyscinetus</i>	5	0	0	0	0	0
<i>Brychus seletus</i>	0	3	0	0	0	1
<i>Nabrosporus</i>	0	0	0	1	0	0
<i>Geronidae</i>	0	0	0	3	0	0
Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	244	79	75	49	47	41
<i>Oulonousa tuberculatus</i>	0	0	7	3	6	8
<i>Lomaxus valckenaeri</i>	117	51	43	7	32	23
<i>Rivulus subvelutinus</i>	0	13	0	0	0	0
<i>Oreocochlea villensis</i>	8	0	3	0	0	0
<i>Halophilus</i>	2	2	0	0	0	0
<i>Dyscinetus</i>	5	0	0	0	0	0
<i>Brychus seletus</i>	0	3	0	0	0	1
<i>Nabrosporus</i>	0	0	0	1	0	0
<i>Geronidae</i>	0	0	0	3	0	0
Alderfly	2015	2016	2017	2018	2019	2020
<i>Sialis lutaria</i>	0	5	0	0	0	0
Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	2176	180	249	367	803	1037
<i>Acartia aquatica</i>	1	0	8	1	7	2
<i>Paraphoxus tenuiculus</i>	0	0	0	0	1	0
Biometrics	2015	2016	2017	2018	2019	2020
BMWP	217	171	138	134	177	178
ASPT	6.03	8.9	6.00	5.58	5.90	5.93
WRPT	236	176	139	144	202	198
ASPT	6.21	5.88	6.02	5.96	5.93	6.10
Number of Taxa	36	29	23	24	30	30
Riverfly - species	19	18	9	13	17	23
Riverfly - numbers	841	448	116	222	328	234
CC1	19.7	13.72	8.28	14.00	14.93	14.00
LIFE	7.93	7.81	7.46	7.89	7.66	7.74
PSI	62.6	66.72	65.32	61.11	68.90	62.82
SPEAR	40.61	40	26.57	29.43	36.48	37.17
TRPI	76.92	100	72.73	58.33	50.00	46.67
Saprobic	1.98	1.71	1.91	1.90	1.80	1.97
Molluscs	2015	2016	2017	2018	2019	2020
<i>Thraexus fluvialis</i>	2	0	5	1	6	5
<i>Rathous rotundulus</i>	1	7	0	0	2	3
<i>Lymnaea peregrina</i>	1	13	0	1	8	7
<i>Lymnaea palustris</i>	0	0	0	0	1	1
<i>Potamopagrus antidorcas</i>	139	55	15	37	66	85
<i>Gyrinus albus</i>	0	0	4	0	2	
<i>Anaxia virens</i>	36	37	18	11	15	9
<i>Valvata primis</i>	2	3	0	0	3	1
<i>Phrygia fontinalis</i>	5	19	0	1	7	
<i>Amelita flexuosa</i>	5	3	0	4	0	8
<i>Sphaerium</i>	0	0	3	0	0	
<i>Pisidium</i>	39	0	0	0	16	1
<i>Baetisomphalus contortus</i>	0	0	0	0	0	4
Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Helobdella stagnalis</i>	4	0	12	0	0	1
<i>Glossiphona complanata</i>	7	0	17	0	6	7
<i>Thermonectus revolutum</i>	2	0	0	0	0	
<i>Pisicola geometra</i>	4	0	0	0	0	
<i>Eubobdella ocellata</i>	0	0	0	0	0	5
<i>Polydora</i>	0	4	3	0	0	
<i>Oligochaeta</i>	5	3	0	5	11	4



River Avon – Stonehenge
Autumn

Appendix 2

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Silo nigricornis</i>	8	2	6	4	9	15
<i>Goera pilosa</i>	3	0	0	0	0	2
<i>Lepidostoma hirtum</i>	86	172	108	68	141	21
<i>Artriptodes cinereus</i>	0	1	0	0	15	2
<i>Athripsodes bilineatus</i>	0	1	0	0	0	0
<i>Athripsodes aterrimus</i>	0	0	0	13	0	0
<i>Athripsodes albifrons</i>	0	0	0	0	0	4
<i>Halesus radiatus</i>	0	0	0	1	8	16
<i>Mystacides azurea</i>	3	0	6	0	0	1
<i>Sericostoma personatum</i>	36	18	12	8	39	50
<i>Agapetus fuscipes</i>	1	0	16	5	1	14
<i>Chaetopteryx villosa</i>	3	0	0	0	3	3
<i>Potamophylax latipennis</i>	0	1	0	0	0	0
<i>Anabolia nervosa</i>	6	0	0	1	1	0
<i>Limnephilus</i>	0	0	0	0	13	0
<i>Limnephilus decipiens</i>	0	1	0	5	3	0
<i>Limnephilus lunatus</i>	0	1	0	5	0	4
<i>Limnephilus rhombicus</i>	0	0	0	0	0	1
<i>Brachycentrus submutilus</i>	0	0	0	0	7	0
<i>Hydropsila</i>	146	6	136	8	116	96
<i>Ithytrichia lamellaris</i>	12	0	0	0	0	0
<i>Drusus annulatus</i>	3	1	4	0	0	6
<i>Oxyethira</i>	0	0	2	0	0	0
<i>Glyphotaelius pellucidus</i>	0	0	0	0	0	1
<i>Hydropsyche sitalai</i>	11	7	10	19	0	3
<i>Hydropsyche pelticula</i>	4	4	10	0	11	1
<i>Rhyacophilida dorsalis</i>	6	2	0	0	3	0
<i>Polycentropus flavomaculatus</i>	0	1	2	0	14	1
<i>Lype reducta</i>	0	0	0	0	1	0
<i>Cheumatopsyche lepida</i>	0	0	0	16	36	7
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx splendens</i>	1	0	0	1	2	0
Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemera danica</i>	28	30	36	15	49	35
<i>Baetis</i>	537	0	14	0	0	0
<i>Baetis rhodani</i>	0	7	0	41	37	47
<i>Baetis scambus</i>	0	0	0	15	0	0
<i>Baetis niger</i>	0	0	0	0	1	0
<i>Centropilum</i>	0	0	0	3	0	0
<i>Heptagenia sulphurea</i>	17	0	8	0	2	3
<i>Serratella ignita</i>	7	3	14	23	6	1
<i>Caenis luctuosa</i>	0	0	0	0	10	3
<i>Caenis rivulorum</i>	225	11	48	29	0	2
<i>Paraleptophlebia submarginata</i>	0	0	0	0	0	1
Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fusca</i>	6	0	0	0	0	0
<i>Leuctra geniculata</i>	0	18	0	0	8	0
Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	185	12	246	68	52	55
<i>Limnius volckmari</i>	9	7	26	54	29	25
<i>Hygrobia hermanni</i>	2	0	0	0	0	0
<i>Oulimnius tuberculatus</i>	3	0	6	0	17	0
<i>Orecochilus villosum</i>	3	2	4	0	0	0
<i>Corixidae</i>	0	0	2	0	0	0
<i>Haliphilidae</i>	0	0	0	0	1	0
<i>Dytiscidae</i>	0	0	0	0	2	0
Alderfly	2015	2016	2017	2018	2019	2020
<i>Sialix lutaria</i>					1	
Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	929	125	164	55	152	182
<i>Asellus aquaticus</i>	1	1	0	0	0	1



River Avon - Queensbury Bridge
Spring

True Flies	2015	2016	2017	2018	2019	2020
<i>Simulium ornatum</i>	551	147	32	17	118	60
<i>Chironomidae</i>	51	8	32	1	19	0
<i>Orthocladiinae</i>	0	0	0	6	56	0
<i>Chironomus</i>	0	25	0	0	0	0
<i>Tanystarsini</i>	0	2	0	1	0	8
<i>Tanypodinae</i>	0	0	6	0	0	0
<i>Dicranota</i>	10	5	2	1	0	0
<i>Antocha</i>	0	0	4	0	0	8
<i>Humerogrammia</i>	0	0	2	0	0	0
<i>Rheotanytarsus</i>	0	0	0	0	77	0
<i>Tipula</i>	0	0	0	0	1	0
<i>Tabanidae</i>	0	0	0	0	1	2
Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	6	3	2	1	3	25
<i>Bithynia tentaculata</i>	3	1	0	0	1	3
<i>Lymnaea peregrina</i>	1	5	14	5	7	6
<i>Valvata piscinalis</i>	4	13	0	0	0	2
<i>Anisus vortex</i>	5	5	4	3	5	6
<i>Gyraulus albus</i>	0	0	12	0	1	0
<i>Sphaerium</i>	0	1	0	0	0	1
<i>Pisidium</i>	9	0	0	0	0	2
<i>Potamopyrgus antipodarum</i>	0	18	6	0	6	12
<i>Ancylus fluviatilis</i>	23	0	4	2	4	0
<i>Lymnaea palustris</i>	0	0	0	0	1	0
Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Helobdella stagnalis</i>	1	0	0	1	5	
<i>Glossiphonia complanata</i>	1	2	0	3	3	
<i>Erpobdella octoculata</i>	2	0	2	0	0	
<i>Pisiccola geometra</i>	0	0	0	0	1	
<i>Polyclelis felina</i>	0	0	0	0	3	
<i>Oligochaeta</i>	4	0	0	10	8	6

Appendix 2a

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Silo nigricornis</i>	5	3	1	10	16	0
<i>Graea pilosa</i>	9	0	0	0	0	0
<i>Bracon centrus submabilis</i>	0	2	0	1	17	175
<i>Athripsodes cinereus</i>	53	10	5	7	21	1
<i>Mystacides azureus</i>	0	29	1	2	0	1
<i>Sericostoma personatum</i>	16	4	2	5	25	4
<i>Agapetus fuscipes</i>	1	0	0	16	44	5
<i>Halesus radiatus</i>	1	0	0	0	0	2
<i>Leptoceridae</i>	0	0	1	0	0	0
<i>Hydroptila</i>	7	6	0	3	13	1
<i>Dranus annularius</i>	0	1	0	0	0	0
<i>Hydropsyche contubernalis</i>	0	0	0	6	0	0
<i>Ithytrichia</i>	0	0	0	0	5	0
<i>Melanina angustata</i>	0	0	0	0	0	1
<i>Lamproptilius rufomarginatus</i>	0	0	0	0	0	1
<i>Hydropsyche sikkimensis</i>	0	7	0	9	0	4
<i>Rhyacophilida dorsalis</i>	8	3	1	8	11	11
<i>Hydropsyche pellucida</i>	68	48	5	19	68	15
<i>Polycentropus flavomaculatus</i>	2	1	0	3	4	1
<i>Chamaeplyx lepidula</i>	0	0	0	15	35	0
<i>Lype reducta</i>	0	0	0	1	0	0
Damselfs & Dragons	2015	2016	2017	2018	2019	2020

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella danica</i>	78	74	7	5	19	4
<i>Baetis</i>	688	0	9	23		
<i>Baetis rhodani</i>	0	50	0		60	137
<i>Baetis fuscatus</i>	3	0	0			9
<i>Baetis scambus</i>	23	0	12	51	31	15
<i>Heptagenia sulphura</i>	0	0	0	3		
<i>Serradella ignita</i>	111	3	21	14	38	39
<i>Centroptilum lateolatum</i>				2		
<i>Caenis luctuosa</i>					9	

Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fuscata</i>	37	5	10			17
<i>Leuctra geniculata</i>	6	0	1	6		9

Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenescens</i>	249	81	45	101	93	22
<i>Limnephilus volucennis</i>	160	14	20	41	43	31
<i>Nebrioporus</i>	0	5	0			
<i>Oulimnius tuberculatus</i>	0	11	3	10	9	6
<i>Holplus</i>	2	0	0			
Dytiscidae	2	0	0			
<i>Sigara</i>	0	4	0			
<i>Gyrinus natator</i>				1		

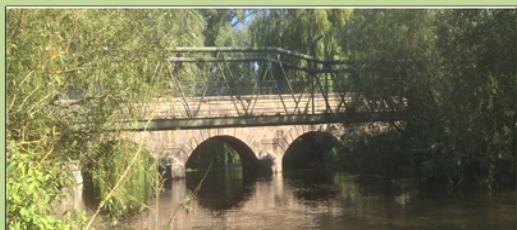
Alderfly	2015	2016	2017	2018	2019	2020
<i>Sialis</i>	0	3	0			1

Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	584	86	45	115	268	169
<i>Astellus aquaticus</i>	0	0	0	1	14	1

Biometrics	2015	2016	2017	2018	2019	2020
BMWP	164	164	128	178	158	163
ASPT	5.66	5.66	6.10	6.14	5.95	5.82
WHPT	178	169	118	197	168	176
ASPT	5.73	5.63	6.09	6.16	5.99	6.08
Number of Taxa	29	29	21	29	27	28
Riverfly - species	17	15	13	21	16	20
Riverfly - numbers	1116	146	76	209	416	452
CCI	12.96	12.92	10.00	16.71	13.42	12.06
LIPE	7.94	7.34	7.63	7.89	8.07	7.61
PSI	59.26	46.15	62.00	68.11	64.18	60.53
SPEAR	42.43	32.72	41.29	39.11	44.59	35.89
TRPI					58.82	51.63
Saprobic	1.99	1.88	1.92	1.76	1.76	1.96

Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	5	6	2	4	5	13
<i>Bithynia tentaculata</i>	22	3	3	3		5
<i>Lymnaea peregra</i>	39	16	3	3	18	22
<i>Valvata piscinalis</i>	0	7	0			3
<i>Anatis vorax</i>	110	25	5	5	10	2
<i>Gyrulus albus</i>	0	0	3	5		1
<i>Sphaeriidae</i>	0	12	0		16	1
<i>Pisidium</i>	78	0	3			2
<i>Potamopyrgus antipodarum</i>	15	0	0	6		25
<i>Physa fontinalis</i>	1	5	1			
<i>Ancylus fluviatilis</i>	10	8	0	8	4	6
<i>Planorbis contortus</i>	0	0	0			

Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Erpobdella octocaudata</i>	0	0	0		8	
<i>Pictoniella geometra</i>	1	0	0			
<i>Theromyzon tessulatum</i>	11	3	1			1
<i>Habobdella stagnalis</i>	1	5	1	3		2
<i>Glossiphonia complanata</i>	12	7	0		3	3
<i>Polyclada tenua</i>					1	
<i>Oligochaeta</i>						41
						2



River Avon - Queensbury Bridge
Autumn

Appendix 3

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Silo nigricornis</i>	70	0	10	18	19	3
<i>Gövera pilosa</i>	4	0	0	0	0	0
<i>Lepidostoma hirtum</i>	43	62	26	7	4	0
<i>Athripsodes cinereus</i>	14	3	4	16	8	2
<i>Athripsodes albifrons</i>	0	0	0	0	3	1
<i>Athripsodes bilineatus</i>	0	16	0	0	0	0
<i>Mystacides azurea</i>	1	1	10	0	2	0
<i>Sericostoma personatum</i>	72	44	14	29	6	148
<i>Brachycentrus subnubilus</i>	0	0	0	0	2	1
<i>Agabus fuscipes</i>	13	23	30	0	27	43
<i>Limnephilus lunatus</i>	0	0	2	3	1	0
<i>Limnephilus rhombicus</i>	0	0	0	0	2	3
<i>Limnephilus decipiens</i>	0	0	0	0	1	0
<i>Potamophylax cingulatus</i>	0	0	0	0	8	0
<i>Potamophylax latipennis</i>	6	5	6	0	0	3
<i>Glyptothaelius pellucidus</i>	0	0	0	0	1	0
<i>Chaetopteryx villosa</i>	3	4	0	0	0	5
<i>Hydropsyche</i>	45	32	88	15	29	41
<i>Anabolia nervosa</i>	0	0	4	1	1	4
<i>Agraylea</i>	0	0	0	0	0	1
<i>Drusus annulatus</i>	14	20	14	0	0	3
<i>Halesus radiatus</i>	0	0	0	1	7	13
<i>Cheumatopsyche lepida</i>	0	0	0	1	0	100
<i>Hydropsyche pellucidula</i>	0	0	0	0	8	10
<i>Hydropsyche siltalai</i>	35	35	42	0	1	51
<i>Rhyacophilus dorsalis</i>	1	3	0	0	1	6
<i>Polycentropus flavomaculatus</i>	0	0	0	0	1	1
<i>Psychomyia pusilla</i>	0	0	0	0	0	7

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemera danica</i>	54	46	22	45	14	35
<i>Baetis</i>	1154	955	6	0	0	54
<i>Baetis scambus</i>	0	296	0	0	20	12
<i>Baetis rhodani</i>	0	0	0	0	77	92
<i>Baetis muticus</i>	0	37	0	0	0	0
<i>Heptagenia sulphurea</i>	51	28	0	1	3	5
<i>Serratella ignita</i>	22	242	0	0	0	40
<i>Caenis rivulorum</i>	108	66	12	0	0	0
<i>Caenis luctuosa</i>	0	0	0	36	0	0
<i>Paraleptophlebia submarginata</i>	7	4	0	1	0	0

Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fusca</i>	1	2	0	0	0	0
<i>Isoperla grammatica</i>	0	1	0	0	0	0

Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	138	121	136	36	21	12
<i>Platambus maculatus</i>	0	0	0	0	1	0
<i>Limnius volckmari</i>	58	63	100	23	7	219
<i>Riolus subviolaceus</i>	0	0	18	0	0	1
<i>Oreodytes sammarkii</i>	0	0	4	0	0	0
<i>Brychius elevatus</i>	0	0	0	1	3	0
<i>Sigara</i>	0	0	0	0	1	0
<i>Oulimnius tuberculatus</i>	0	0	0	0	4	0
<i>Oreochilus villosus</i>	0	0	0	0	0	2
<i>Plea minutissima</i>	0	0	0	0	2	0
<i>Ostracod</i>	0	0	0	0	5	0
<i>Hydracarina</i>	0	0	0	0	3	0
<i>Aphelocheirus aestivalis</i>	0	0	0	0	0	5

Alderfly	2015	2016	2017	2018	2019	2020
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Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	1145	3643	698	2	465	1654
<i>Astellus aquaticus</i>	1	1	4	1	17	0

Biometrics	2015	2016	2017	2018	2019	2020
BMWP	177	186	134	151	189	190
ASPT	6.32	6.2	5.58	6.04	5.73	6.33
WHPT	185.5	202.0	145.0	148.8	186.7	199.8
ASPT	6.4	6.31	5.78	5.72	5.49	6.54
Number of Taxa	28	30	24	25	33	30
Riverfly - species	20	22	15	13	24	26
Riverfly - numbers	1718	1925	290	174	246	684
CCI	13.44	14.72	12.67	12.54	14.50	16.46
LIFE	8.35	8.26	7.63	7.54	7.42	8.05
PSI	62.5	67.06	48.39	41.30	51.22	73.63
SPEAR	61.21	60.28	43.66	47.92	40.43	44.04
TRPI	65.52	70.97	53.85	60.00	55.60	73.68
Saprobic	1.92	1.95	1.78	1.89	2.20	1.85

Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	7	8	14	1	2	7
<i>Bithynia tentaculata</i>	15	13	2	3	11	4
<i>Lymnaea palustris</i>	0	0	0	0	1	0
<i>Lymnaea peregrina</i>	4	8	4	0	2	2
<i>Gyrinus albus</i>	0	0	10	1	0	0
<i>Anisus vortex</i>	17	11	26	6	7	11
<i>Sphaeriidae</i>	0	0	2	27	23	60
<i>Pisidium</i>	21	17	0	0	0	4
<i>Physa fontinalis</i>	1	2	0	3	1	0
<i>Ancylus fluviatilis</i>	0	1	0	0	1	1
<i>Potamopyrgus antipodarum</i>	0	0	0	4	0	0
<i>Valvata piscinalis</i>	0	0	0	0	1	0
<i>Bathyomphalus contortus</i>	0	0	0	0	0	2

Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Helobdella stagnalis</i>	0	0	10	0	2	1
<i>Glossiphonia complanata</i>	0	1	4	3	4	0
<i>Erpobdella octoculata</i>	0	0	0	0	0	6
<i>Oligochaeta</i>	0	0	0	0	16	0

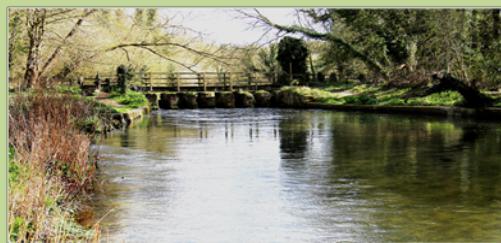
River Avon - Ham Hatches

Spring



Appendix 3a

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Graeidae</i>	11	16	0	16	0	3
<i>Silochiron cornutus</i>	11	16	0	0	29	4
<i>Graea pilosa</i>	64	0	0	0	0	0
<i>Aleurodidae</i> <i>aterrimus</i>	0	8	0	0	0	0
<i>Aleurodidae</i> <i>cineraceus</i>	0	6	0	3	32	1
<i>Mystacides nigra</i>	0	5	0	0	0	1
<i>Mystacides azurea</i>	1	11	0	2	15	0
<i>Sericostoma personatum</i>	37	0	1	2	13	15
<i>Agapetus fuscipes</i>	3	63	0	0	0	0
<i>Limnephilus rombicus</i>	1	0	0	0	1	1
<i>Limnephilus lunatus</i>	2	0	0	3	0	1
<i>Mesocerina angustata</i>	2	0	0	0	0	0
<i>Hydroptila</i>	4	12	0	0	0	0
<i>Ilytrichia lamellaris</i>	0	8	0	0	6	0
<i>Brachycentrus subnubilis</i>	0	1	10	2	35	30
<i>Dreissena annularis</i>	3	0	0	0	0	4
<i>Halesina radiata</i>	0	0	0	0	0	7
<i>Hydropsyche</i>	46	0	0	0	0	1
<i>Hydropsyche contumax</i>	0	0	0	0	0	1
<i>Hydropsyche instabilis</i>	0	0	1	0	0	0
<i>Hydropsyche stictalis</i>	0	0	2	1	0	2
<i>Hydropsyche pellucida</i>	109	37	0	4	15	6
<i>Polycentropus fluviorumulus</i>	2	7	0	1	6	2
<i>Rhyacophilida dorsalis</i>	36	6	2	1	1	2
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx</i>	0	1	1	0	0	
Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella donica</i>	77	17	0	0	21	27
<i>Baetis</i>	1154	0	3	21	0	0
<i>Baetis scambus</i>	26	14	0	0	0	6
<i>Baetis fecundus</i>	10	0	0	0	0	2
<i>Baetis rhodani</i>	0	21	0	0	16	36
<i>Heptagenia sulphurea</i>	2	5	0	0	0	
<i>Serrula ignita</i>	34	3	1	0	3	1
<i>Centrotinum latosulum</i>	0	0	0	1	0	
Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra funca</i>	3	0	2	0	0	4
<i>Leuctra geniculata</i>	0	0	0	0	0	1
<i>Sialis</i>	1	0	0	0	0	0
<i>Protonemura olivacea</i>	0	0	0	0	0	2
<i>Chironomidae</i>	0	0	0	0	0	3
<i>Chironomidae</i>	100	79	19	0	0	0
<i>Dicosmoeta</i>	45	10	0	0	0	0
<i>Limnephilus</i>	0	4	0	0	0	0
<i>Stratiomyidae</i>	0	0	1	0	0	0
<i>Tanypodinae</i>	0	0	0	0	1	1
<i>S. divedens impunctatus</i>	0	0	0	0	1	0
Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	765	77	32	22	26	32
<i>Oulema varia</i>	0	0	0	0	18	4
<i>Limeius volekensteini</i>	182	89	105	8	5	24
<i>Rodax subvulvulus</i>	1	0	7	0	0	1
<i>Oreodytes villosus</i>	1	0	0	0	0	
<i>Halophilidae</i>	1	7	0	0	0	
<i>Dytiscidae</i>	13	0	0	0	0	
<i>Sigara</i>	0	1	0	0	0	
<i>Brychius elevatus</i>	0	0	0	0	1	1
Alderfly	2015	2016	2017	2018	2019	2020
Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	8220	96	339	49	51	280
<i>Aesalus aquaticus</i>	1	18	12	0	17	2
Biometrics	2015	2016	2017	2018	2019	2020
Riverfly - species	22	18	8	12	13	23
Riverfly - numbers	1638	256	22	57	193	158
CCP	14.7	14.72	8.61	8.50	12.91	15.51
LIFE	7.92	7.53	7.39	7.65	7.39	7.57
PSI	50.64	48.69	49.09	***	44.62	54.32
SPEAR	39.11	38.86	18.53	***	36.15	34.77
TRPI	92.31	66.67	63.64	***	47.06	47.06
Saprobic	195	174	156	104	196	190
Molluscs	2015	2016	2017	2018	2019	2020
<i>Planorbis fluvialis</i>	13	19	9	1	5	18
<i>Ribithnia tentaculata</i>	28	5	1	2	7	21
<i>Lymnaea peresperi</i>	36	0	0	0	8	19
<i>Lymnaea glabra</i>	0	1	0	0	0	0
<i>Lymnaea palustris</i>	0	0	1	0	0	0
<i>Gyrinus albus</i>	0	0	1	0	0	0
<i>Anisus vortex</i>	12	19	22	6	14	17
<i>Spirellidae</i>	85	31	0	0	0	8
<i>Sphaerium</i>	0	0	1	3	10	6
<i>Valvata picta</i>	0	0	1	3	9	0
<i>Pila fontinalis</i>	0	1	0	1	32	2
<i>Ancylus fluminalis</i>	11	0	0	0	0	0
<i>Potamoergus antipodorum</i>	0	0	0	5	22	7
<i>Radix ballica</i>	0	0	0	2	0	0
<i>Acrobia lacustris</i>	0	0	0	0	2	1
Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Helobdella stagnalis</i>	0	3	5	0	12	
<i>Glossiphonota complanata</i>	23	11	5	0	8	6
<i>Theromyza tessellata</i>	2	0	0	0	0	1
<i>Eprobola octoculata</i>	0	4	0	0	7	1
<i>Pterolaelia geometra</i>	0	0	0	0	1	
<i>Polycladius felina</i>	0	0	0	0	2	
<i>Oligochaeta</i>	14	5	6	8	0	5



Appendix 4

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Silo nigricornis</i>	9	0	2	2	14	7
<i>Lepidostoma hirum</i>	26	51	8	6	8	0
<i>Athripsodes cinereus</i>	0	5	8	4	0	7
<i>Athripsodes bilineatus</i>	0	13	0	0	0	0
<i>Mystacides azurea</i>	1	2	0	1	0	0
<i>Sericostoma personatum</i>	32	36	24	17	53	232
<i>Agapetus fuscipes</i>	5	0	34	3	77	45
<i>Halesus dignitus</i>	0	13	0	0	0	8
<i>Anabolia nervosa</i>	0	0	4	0	0	2
<i>Hydropsitta</i>	4	6	28	36	12	98
<i>Limnephilus</i>	1	0	0	1	0	0
<i>Limnephilus lunatus</i>	0	3	0	0	4	0
<i>Druus annulatus</i>	1	5	4	3	3	1
<i>Potamophylax latipennis</i>	0	1	0	3	1	2
<i>Chaetopteryx villosa</i>	7	5	0	0	0	0
<i>Ithytrichia lamellaris</i>	0	0	0	0	3	0
<i>Cheumatopsyche lepida</i>	0	0	28	35	66	76
<i>Hydropsyche</i>	54	0	0	0	0	0
<i>Hydropsyche sitalai</i>	146	162	0	21	38	115
<i>Rhyacophila dorsalis</i>	1	7	6	0	2	5
<i>Hydropsyche pellucidata</i>	0	42	30	36	0	4
<i>Plectrocnemia conspersa</i>	0	0	0	0	4	0
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx splendens</i>	2	0	2	0	0	0
<i>Calopteryx virgo</i>	0	3	0	1	0	0

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemera danica</i>	68	48	34	15	37	20
<i>Baetis</i>	416	0	16	0	0	15
<i>Baetis rhodani</i>	0	311	0	81	81	125
<i>Baetis scambus</i>	0	76	0	0	37	10
<i>Baetis muticus</i>	0	0	0	3	0	0
<i>Baetis vernus</i>	0	0	0	0	7	0
<i>Heptagenia sulphurea</i>	79	19	4	5	16	6
<i>Ecdyonurus dispar</i>	23	0	0	0	0	0
<i>Serratella ignita</i>	84	195	0	25	55	115
<i>Paraleptophlebia submarginata</i>	0	0	2	1	3	0
<i>Caenis rivulorum</i>	8	10	2	0	11	0
<i>Caenis luctuosa</i>	1	0	2	2	0	0

Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fusca</i>	7	0	0	0	0	0
<i>Leuctra geniculata</i>	0	3	0	3	3	0

Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	197	175	154	22	15	13
<i>Limnius volckmari</i>	64	43	164	59	83	220
<i>Riolus subviolaceus</i>	0	0	8	1	0	1
<i>Oreocochilius villosus</i>	1	1	8	0	2	2
<i>Oreodytes sammarckii</i>	0	0	0	0	1	0
<i>Oulimnius tuberculatus</i>	0	0	0	0	8	0
<i>Nebrioporus elegans</i>	0	0	0	0	0	2
<i>Polycelis felina</i>	0	0	0	0	7	0

Alderfly	2015	2016	2017	2018	2019	2020
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Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	2214	2854	1434	483	629	1042
<i>Asellus aquaticus</i>	1	2	0	2	19	2

Biometrics	2015	2016	2017	2018	2019	2020
BMWWP	180	166	157	164	196	144
ASPT	6.21	6.15	6.83	6.07	5.94	5.76
WHPT	194.3	171.0	165.0	175.8	225.9	163.0
ASPT	6.48	6.34	6.88	6.06	6.28	6.27
Number of Taxa	29	27	23	27	33	25
Riverfly - species	20	21	17	21	22	19
Riverfly - numbers	973	1013	236	303	535	893
CCI	13.46	14	15.75	13.48	15.26	13.77
LIFE	8.27	8.15	8.37	7.97	8.00	8.14
PSI	68.42	70.51	82.00	66.15	67.95	69.23
SPEAR	48.58	46.14	48.53	36.19	41.98	41.80
TRPI	73.08	67.86	73.33	73.08	72.73	83.33
Saprobic	2	2.02	1.83	1.90	1.77	1.78

Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	33	0	0	21	8	15
<i>Bithynia tentaculata</i>	8	11	0	3	0	18
<i>Lymnaea peregra</i>	3	33	0	10	0	0
<i>Planorbis</i>	1	1	0	1	0	0
<i>Anisus vortex</i>	0	0	0	0	9	2
<i>Sphaeriidae</i>	0	0	0	3	21	1
<i>Pisidium</i>	41	22	0	0	0	1
<i>Ancylus fluviatilis</i>	1	2	4	0	3	0
<i>Potamopyrgus antipodarum</i>	0	0	4	4	0	0
<i>Valvata piscinalis</i>	0	0	0	2	3	0
<i>Physa fontinalis</i>	0	0	0	0	4	0
<i>Bathyomphalus contortus</i>	0	0	0	0	2	3

Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Eprobella octoculata</i>	0	0	4	1	10	0
<i>Glossiphonia complanata</i>	0	1	0	3	0	2
<i>Piscicola geometra</i>	0	0	0	0	1	0
<i>Helobdella stagnalis</i>	0	0	0	0	0	1
<i>Oligochaeta</i>	2	0	0	7	1	2



Appendix 4a

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Siala nigricornis</i>	15	16	0	19	11	13
<i>Glossypteron</i>	2	0	0	0	0	2
<i>Chewonotrychus lepaka</i>	0	32	38	26	47	0
<i>Athyrodes cinnamomea</i>	1	0	2	3	6	2
<i>Mystacides longicornis</i>	0	1	0	0	0	0
<i>Mystacides azurea</i>	0	0	2	0	2	0
<i>Sericostoma personatum</i>	53	29	2	17	59	79
<i>Agapetus fuscipes</i>	4	77	20	13	79	14
<i>Halesus digitatus</i>	1	0	0	0	0	0
<i>Myrmeleola</i>	0	0	0	0	14	0
<i>Hydroptila</i>	4	0	8	3	0	0
<i>Drausus annulatus</i>	3	0	0	0	0	0
<i>Limnephilus lunatus</i>	0	0	0	1	0	0
<i>Limnephilus rufescens</i>	0	0	0	0	4	0
<i>Brachycentrus subnubilus</i>	0	0	0	0	0	8
<i>Hydropsyche</i>	56	0	0	0	0	0
<i>Hydropsyche situla</i>	1	56	102	3	10	5
<i>Hydropsyche contubernalis</i>	0	0	0	4	0	0
<i>Hydropsyche pollinosa</i>	53	28	30	7	85	16
<i>Rhyacophilidae</i>	9	3	6	2	3	2
<i>Polycentropus flaviomaculatus</i>	16	10	14	3	7	0
Damsels & Dragons	2015	2016	2017	2018	2019	2020
<i>Calopteryx virgo</i>	1	0	0	0	0	0
<i>Calopteryx splendens</i>	0	0	1	1	3	

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella danica</i>	7	5	6	1	58	6
<i>Baetis</i>	135	0	64	0	0	0
<i>Baetis rhodani</i>	2	85	0	41	17	13
<i>Baetis scambus</i>	58	0	0	15	0	11
<i>Baetis muticus</i>	0	13	0	0	0	0
<i>Heptagenia sulphurea</i>	2	13	0	0	24	1
<i>Serracella ignita</i>	15	0	0	0	0	10

Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fuscata</i>	23	0	2	0	0	2
<i>Leuctra geniculata</i>	7	7	0	0	0	0

Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	556	48	36	10	46	49
<i>Limnius volckmari</i>	108	31	42	38	35	47
<i>Riolus subtilis</i>	6	9	6	0	0	3
<i>Oulimnius</i>	0	0	16	0	0	
<i>Halticus</i>	6	0	0	0	0	
<i>Oreocochilus villosus</i>	1	11	4	3	0	
<i>Oxytelusidae</i>	7	0	0	0	0	
<i>Corticea</i>	1	0	0	0	0	

Alderfly	2015	2016	2017	2018	2019	2020
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Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	3570	594	508	816	797	3208
<i>Asellus aquaticus</i>	3	14	4	0	31	4



River Avon - Beat 18

Autumn

Biometrics	2015	2016	2017	2018	2019	2020
BMWP	179	140	118	124	160	148
ASPT	5.97	5.83	5.90	6.20	5.52	6.43
WHPT	190	160	135	135	185	164
ASPT	5.94	6.15	6.12	6.44	5.77	6.30
Number of Taxa	30	24	20	20	29	23
Riverfly - species	21	14	13	15	15	15
Riverfly - number	467	375	296	158	426	184
CCI	14.97	14.81	7.50	10.00	13.50	14.25
LIFE	7.95	8.14	8.00	8.25	7.71	8.10
PSI	62.11	65.12	72.00	82.22	52.05	70.49
SPEAR	38.82	32.32	36.15	36.33	37.29	41.05
TRPL	75	75	72.00	87.50	58.82	61.54
Saprobic	1.91	1.71	1.86	1.91	1.78	1.94

Molluscs	2015	2016	2017	2018	2019	2020
<i>Theodoxus fluviatilis</i>	21	18	0	5	22	15
<i>Rifleya tentaculata</i>	22	6	0	2	19	6
<i>Lymnaea peregrina</i>	7	10	4	0	5	6
<i>Lymnaea palustris</i>	0	0	0	0	1	0
<i>Vivipala pisicinalis</i>	2	0	0	0	0	0
<i>Alcisus vorticis</i>	26	8	12	0	38	0
<i>Sphaeriidae</i>	0	13	0	0	0	0
<i>Pisidium</i>	23	0	0	1	0	6
<i>Potamopyrgus antipodarum</i>	11	17	6	0	0	1
<i>Physa fontinalis</i>	11	0	0	0	13	0
<i>Aneulus flavostriatus</i>	0	7	2	0	4	0

Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Erpobdella octoculata</i>	0	1	0	0	8	
<i>Polycladius felineus</i>	0	3	0	0	3	
<i>Glossiphonia complanata</i>	0	0	0	0	1	2
<i>Theromyzon tessulatum</i>						1
<i>Oligochaeta</i>	0	4	0	0	18	

Appendix 5a

Caddisflies	2015	2016	2017	2018	2019	2020
<i>Siala nigricornis</i>	8	4	0	2	11	2
<i>Graea pilosa</i>	2	0	0	0	0	2
<i>Chewiaatopetche lepidula</i>	0	73	1	19	83	0
<i>Alderispaedes albofascia</i>	0	0	0	0	0	1
<i>Mystacides nigra</i>	0	7	0	0	0	0
<i>Mystacides nigra</i>	0	7	0	0	0	0
<i>Glyptothelaeus pelliculus</i>	0	0	0	0	3	0
<i>Mystacides azurea</i>	0	28	0	2	0	0
<i>Sericostoma personatum</i>	16	8	3	1	35	14
<i>Limnephilus lunatus</i>	0	1	0	0	0	0
<i>Limnephilus flavicornis</i>	0	0	0	0	8	0
<i>Lepidostoma hirtum</i>	1	0	0	0	2	0
<i>Hedriodisca</i>	2	0	0	0	0	0
<i>Hydropsyche lamellaria</i>	0	16	0	0	6	0
<i>Draconus annulatus</i>	1	0	0	0	0	1
<i>Brachycentrus subvariolosus</i>	0	0	0	5	5	29
<i>Agapetus</i>	0	0	0	19	28	0
<i>Molanna angustata</i>	0	0	0	5	0	0
<i>Hydropsyche</i>	45	0	0	0	0	0
<i>Hydropsyche siliqua</i>	2	0	0	8	9	3
<i>H. contubernialis</i>	0	0	0	2	12	20
<i>Hydropsyche pelucida</i>	0	49	13	16	27	44
<i>Hydropsyche fuliginea</i>	0	0	0	0	2	0
<i>Polycentropus flavomaculatus</i>	12	5	0	0	13	0
<i>Rhyacophilidae diversalis</i>	2	4	0	2	11	1
<i>Pterophorus pusilla</i>	0	0	0	0	8	0

Mayflies	2015	2016	2017	2018	2019	2020
<i>Ephemerella danica</i>	1	5	0	2	16	0
<i>Baetis</i>	565	0	39	0	0	0
<i>Baetis nemorum</i>	28	0	0	45	0	11
<i>Baetis rhodani</i>	0	37	0	20	25	63
<i>Baetis muticus</i>	0	0	0	2	0	0
<i>Centropedetes luteolus</i>	0	3	0	9	0	0
<i>Procloeon punctatum</i>	0	0	0	0	5	0
<i>Heptagenia sulphurea</i>	3	0	0	1	10	0
<i>Serratiella ignita</i>	5	0	0	0	0	23
<i>Paraleptophlebia submarginata</i>	0	2	0	0	0	0

Stoneflies	2015	2016	2017	2018	2019	2020
<i>Leuctra fuscata</i>	7	0	1	0	0	2

Beetles & Bugs	2015	2016	2017	2018	2019	2020
<i>Elmis aenea</i>	550	118	35	32	0	49
<i>Ovalimnae tuberculatus</i>	0	0	0	8	9	
<i>Lamia cylindracea</i>	186	45	46	47	77	44
<i>Rodius subvulgaris</i>	2	13	0	0	0	2
<i>Brychiurus elevatus</i>	0	0	2	0	0	1
<i>Diphlochirurus aestivalis</i>	1	4	0	0	1	3
<i>Oreinachilus vittatus</i>	0	6	1	0	1	
<i>Dytiscidae</i>	6	2	1	0	0	1
<i>Sugara</i>	0	0	0	3	2	

Alderfly	2015	2016	2017	2018	2019	2020
<i>Sialis</i>	0	0	0	2	3	2

Crustaceans	2015	2016	2017	2018	2019	2020
<i>Gammarus pulex</i>	1334	210	183	463	756	945
<i>Aeschna aquatica</i>	3	11	0	5	21	



River Avon - Stratford Bridge
Autumn

Biometrics	2015	2016	2017	2018	2019	2020
<i>BMWP</i>	180	159	97	154	200	146
<i>ASPT</i>	6.21	5.68	4.85	5.70	5.88	6.35
<i>WHPT</i>	182	162	108	158	225	146
<i>ASPT</i>	6.26	5.78	5.12	5.65	5.93	6.09
Number of Taxa	29	28	20	27	34	23
Riverfly - species	16	15	8	17	21	14
Riverfly - numbers	700	247	87	168	331	216
<i>CC1</i>	14.78	15.93	8.17	14.22	18.54	16.69
<i>LIPE</i>	8.03	7.66	7.24	7.54	7.63	8.03
<i>PSI</i>	71.21	54.69	44.68	56.52	56.82	77.97
<i>SPEAR</i>	46.24	28.16	17.14	28.95	37.29	31.04
<i>TRPI</i>	75	81.82	66.67	87.14	55.00	63.64
<i>Saprobic</i>	1.98	1.93	1.88	1.94	1.89	1.97

Molluscs	2015	2016	2017	2018	2019	2020
<i>Theridion fluviale</i>	6	12	10	3	18	1
<i>Baikonia tentaculata</i>	2	5	1	4	7	5
<i>Lymnaea peregra</i>	0	4	1	0	0	0
<i>Lymnaea palustris</i>	0	0	1	0	0	0
<i>Valvata piscinalis</i>	0	3	0	1	0	1
<i>Planorbis</i>	0	0	0	1	0	0
<i>Gyrinidae</i>	0	0	14	0	0	0
<i>Anaxa vortex</i>	4	18	11	6	15	0
<i>Sphaeriidae</i>	39	46	7	0	23	12
<i>Postum</i>	0	0	0	0	0	3
<i>Sphaerium cornuum</i>	0	0	0	25	0	0
<i>Postumopus antipodarum</i>	0	0	2	0	0	3
<i>Physa fontinalis</i>	1	4	0	3	9	0
<i>Bathyomphalus contortus</i>	0	0	0	0	1	0
<i>Anelasma fluvialis</i>	0	0	0	0	0	1

Leeches & Worms	2015	2016	2017	2018	2019	2020
<i>Glossiphonia complanata</i>	1	3	1	3	9	
<i>Pistaria gemmata</i>	1	0	0	0	0	
<i>Theromyzon testiculatum</i>	1	0	1	0	0	
<i>Eprobella octoculata</i>	0	0	1	0	14	
<i>Heleobiaula stagnalis</i>	0	0	0	2	0	
<i>Haemopis sanguinea</i>	0	0	0	0	2	
<i>Oligochaeta</i>	0	0	0	4	16	