

SmartRivers Report



Species	Spring	Autumn
Agabus		1
Ancylus fluviatilis	4	1
Antocha vitripennis	1	
Atherix ibis	1	3
Athripsodes aterrimus	7	1
Athripsodes cinereus	4	1
Baetis rhodani/atlanticus	27	3
Brachycentrus subnubilus	9	4
Caenis luctuosa	118	19
Ceraclea nigronervosa	3	
Ceratopogonidae	19	
Cheumatopsyche lepida	16	1
Chironomidae		7
Dicranota		4
Ecdyonurus torrentis		1
Elmidae		1
Elmis aenea	14	7
Ephemera danica	4	5
Gammarus pulex	1	3
Glossiphonia complanata		1
Goeridae		3
Gyraulid albus		2
Heptagenia sulphurea	1	
Hydracarina	3	
Hydrophiliidae		1
Hydropsyche pellucidula	10	8
Hydropsyche siltalai	22	
Hydroptila	13	
Lepidostoma hirtum	49	
Leuctra geniculata	10	
Limnius volckmari	12	6
Mystacides		9
Oligochaeta		27
Orectochilus villosus	1	1
Orthocladinae	21	
Oulimnius		10
Oulimnius troglodytes	8	
Oulimnius tuberculatus	1	
Paraleptophlebia submarginata		1
Pisidium	5	2
Planorbis carinatus		1
Polycentropus flavomaculatus		3
Potamopyrgus antipodarum	6	2
Psychodidae		1
Radix balthica		3
Rheotanytarsus	11	
Rhithrogena	1	
Sericostoma personatum	7	

Species	Spring	Autumn
Serratella ignita	71	
Simulium	15	
Tanytopodinae		1
Tanytarsini	5	7
Tipulidae		1

Notes
 Spring: Remarkable diversity of aquatic fauna given what the site looked like! Quite a lot of fine sediment loving beasties (like *Caenis luctuosa*) and biting midges (Ceratopogonidae). Water mite (Hydracarina) was a *Feltria* species. Note in autumn a small amount of sample lost. Increased flow stress exhibited in autumn. Moderate sediment stress may be a result of reduced dilution from dry summer period.

YEAR	2022
CATCHMENT	Severn Uplands
RIVER	Rea Brook
SITE	Rea Brook Valley Park
NGR	SJ 50263 11101
TRPI RIVER TYPE	4
SPRING DATE	10/05/2022
AUTUMN DATE	08/10/2022

	Spring	Autumn
BMWP	142	138
ASPT	6.76	5.75
WHPT	159.3	152.3
WHPT ASPT	6.93	5.86
Number of Taxa	21	24
EPT species	17	13
EPT abundance	372	59
TOTAL abundance	500	152
CCI	15.83	8.75
LIFE	7.93	7.21
PSI	74.55	44.44
SPEAR	49.24	39.11
TRPI	66.67	62.50
Saprobic	1.90	1.92

