



A pilot study of the biota of percolating cave waters in Britain: a proxy for the epikarst aquifer

[On-line supplement: Table S1, Table S2, Table S3, and Table S4]

Supplementary Table S1; Sheet 1	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
MICROTURBELLARIA	X						
TRICLADIDA							
PLANARIIDAE							
<i>Polycelis felina</i> (Dalyell, 1814)			X	X		X	
<i>Polycelis nigra / tenuis</i>	X						
<i>Phagocata vitta</i> (Duges, 1830)							X
<i>Crenobia alpina</i> (Dana, 1766)	X					X	
NEMATODA	X		X		X		
OLIGOCHAETA							
LUMBRICIDAE							
<i>Eiseniella tetraedra</i> (Savigny, 1826)	X					X	
Indet. terrestrial Lumbricidae	X	X	X				
LUMBRICULIDAE							
<i>Stylogrilus lemani</i> (Grube, 1879)	X		X				
<i>Stylogrilus heringianus</i> Claparède, 1862	X						
<i>Stylogrilus</i> sp. (juv.)	X		X				
<i>Lumbriculus variegatus</i> Claparède, 1862	X	X	X				
<i>Eclipidrilus lacustris</i> (Verill, 1871)	X		X				
<i>Trichodrilus</i> sp.	X						
<i>Dorydrilus / Trichodrilus</i> juveniles	X						
DORYDRILIDAE							
<i>Dorydrilus michaelsoni</i> Piguët, 1913	X						
ENCHYTRAEIDAE							
<i>Achaeta</i> sp.	X		X				
Enchytraeidae spp.	X	X	X				X
NAIDIDAE							
<i>Nais elinguis</i> Müller, 1774	X						
<i>Nais alpina</i> Sperber, 1948			X				
<i>Pristina foreli</i> (Piguët, 1906)							X
<i>Pristina aequisetata</i> Bourne, 1981							X
TUBIFICIDAE							
<i>Limnodrilus udekemianus</i> Claparède, 1862	X						
<i>Limnodrilus</i> sp. (juv.)	X		X				
<i>Tubifex tubifex</i> (Müller, 1774)						X	
<i>Tubifex ignotus</i> (Stolc, 1886)	X					X	
<i>Rhyacodrilus falciformis</i> Bretscher, 1901	X						
Oligochaeta (indeterminate)	X	X	X	X	X		

Supplementary Table S1; Sheet 1: Historical records of aquatic invertebrate fauna recorded from the three caves prior to the current study ("X" denotes presence). This includes data for Draenen from Knight et al. (2018), showing taxa recorded predominately in subterranean streams, but also including a few pools, resurgences and ephemeral seepage springs in dolines (sinks) known to connect to the system; for Swildon's from Knight (2011), including sites on the allogenic main stream as well as the four main autogenic tributaries; and for Baker's historical data including the work of Griffiths and Fishpool (1991) and Browne et al. (1970), who sieved stream gravels and collected fauna from pools throughout the cave. Records on the HCRS database for both Swildon's and Baker's are predominately of fauna observed in pools, whereas data on Hazelton are not differentiated and include observations in both streams and pools. As Draenen was discovered after the Hazelton collecting period there are no records for this cave on the database. Continues as **Table S1; Sheet 2** on p.S2.

Supplementary Table S1; Sheet 2	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
HIRUDINEA							
GLOSSIPHONIIDAE							
<i>Glossiphonia complanata</i> (Linnaeus, 1758)			X	X			
GASTROPODA							
PLANORBIDAE							
<i>Ancylus fluviatilis</i> O.F. Müller, 1774			X	X			
<i>Bathyomphalus contortus</i> (Linnaeus, 1758)				X			
HYDROBIIDAE							
<i>Potamopyrgus antipodarum</i> (J.E. Gray, 1843)			X				
LYMNAEIDAE							
<i>Galba truncatula</i> (O.F. Müller, 1774)		X					
BIVALVIA							
SPHAERIIDAE							
<i>Euglesa personata</i> (Malm, 1855)		X					
<i>Euglesa casertana</i> (Poli, 1791)		X		X			
<i>Euglesa nitida</i> (Jenyns, 1832)		X		X			
<i>Euglesa</i> sp.	X	X		X			
CRUSTACEA							
BATHYNELLIDAE							
<i>Antrobathynella stammeri</i> (Jakobi, 1954)	X						
CRANGONYCTIDAE							
<i>Crangonyx pseudogracilis / floridanus</i>				X			
GAMMARIDAE							
<i>Gammarus pulex</i> (Linnaeus, 1758)	X	X	X	X		X	
NIPHARGIDAE							
<i>Niphargus fontanus</i> Bate, 1859	X		X		X	X	
<i>Niphargus aquilex</i> Schiödte, 1855			X				X
<i>Niphargus glenniei</i> (Spooner, 1952)							X
PSEUDONIPHARGIDAE							
<i>Microniphargus leruthi</i> Schellenberg, 1934	X		X		X		
ASELLIDAE							
<i>Proasellus cavaticus</i> (Leydig, 1871)	X		X		X	X	
<i>Proasellus meridianus</i> (Racovitza, 1919)	X					X	
<i>Asellus aquaticus</i> (Linnaeus, 1758)			X		X		
CLADOCERA							
<i>Simocephalus vetulus</i> (O.F. Müller, 1778)	X						
COPEPODA							
<i>Acanthocyclops robustus</i> Sars, 1863	X						
<i>Acanthocyclops vernalis</i> (Fischer, 1853)						X	
<i>Eucyclops serulatus</i> (Fischer, 1851)	X					X	
<i>Paracyclops fimbriatus</i> (Fischer, 1853)	X				X	X	X
<i>Tropocyclops prasinus</i> (Fischer, 1860)	X						
<i>Megacyclops viridis</i> (Jurine, 1820)						X	
<i>Diacyclops bicuspidatus</i> (Claus, 1857)						X	
Cyclopoida spp.	X						
OSTRACODA							
<i>Cavernocypris subterranea</i> (Wolf, 1920)	X						

Supplementary Table S1; Sheet 2: Continued from Table S1; Sheet 1 on p.S1. Continues as Table S1; Sheet 3 on p.S3. See Supplementary Table S1; Sheet 1 on p.S1 for full caption information.

Supplementary Table S1; Sheet 3	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
ACARI							
Acari (terrestrial sp.)	X			X	X		
Oribatei spp.		X					
HALACARIDAE							
<i>Soldanellonyx chappuisi</i> Walter, 1917	X				X		
Halacaridae spp.	X						
COLLEMBOLA							
ONYCHIURIDAE							
<i>Protaphorura armata</i> (Tullberg, 1869)	X	X					
ISOTOMIDAE							
<i>Parisotoma notabilis</i> Schäffer, 1896	X						
<i>Isotomurus unifasciatus</i> (Börner, 1901)		X					
<i>Isotomurus palustris</i> (Müller, 1776)		X					
<i>Isotoma anglicana</i> Lubbock, 1862		X					
TOMOCERIDAE							
<i>Tomocerus vulgaris</i> (Tullberg, 1871)			X				
ENTOMOBRYIDAE							
<i>Entomobrya intermedia</i> Brook, 1884		X					
Collembola (indeterminate)		X					
PLECOPTERA							
LEUCTRIDAE							
<i>Leuctra nigra</i> (Olivier, 1811)	X		X				
<i>Leuctra fusca</i> (Linnaeus, 1758)	X		X				
<i>Leuctra hippopus</i> Kempny, 1899		X	X				
<i>Leuctra geniculata</i> Stephens, 1836			X				
<i>Leuctra</i> sp. (1st instar)	X	X	X			X	
PERLODIDAE							
<i>Isoperla grammatica</i> (Poda, 1761)				X			
<i>Dinocras cephalotes</i> (Curtis, 1827)						X	
CHLOROPERLIDAE							
<i>Siphonoperla torrentium</i> (Pictet, 1841)	X						
NEMOURIDAE							
<i>Nemurella picteti</i> Klapálek, 1900			X				
<i>Amphinemura sulcicollis</i> (Stephens, 1836)				X			
<i>Amphinemura</i> sp.				X			
<i>Nemoura cambrica</i> Stephens, 1836		X					
<i>Nemoura cinerea</i> (Retzius, 1783)		X					
<i>Nemoura erratica</i> Claassen, 1936		X		X			
<i>Nemoura</i> sp. (1st instar)	X	X	X	X			

Supplementary Table S1; Sheet 3: Continued from Table S1; Sheet 2 on p.S2. Continues as Table S1; Sheet 4 on p.S4. See Supplementary Table S1; Sheet 1 on p.S1 for full caption information.

Supplementary Table S1; Sheet 4	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
EPHEMEROPTERA							
HEPTAGENIIDAE							
<i>Electrogena lateralis</i> (Curtis, 1834)	X		X				
<i>Electrogena</i> sp.			X				
<i>Rhithrogena semicolorata</i> (Curtis, 1834)	X						
<i>Ecdyonurus torrentis</i> Kimmins, 1942			X				
Heptageniidae sp. (1st instar)			X				
LEPTOPHLEBIIDAE							
<i>Paraleptophlebia</i> sp.				X			
Leptophlebiidae sp. (fragments)	X						
EPHEMERELLIDAE							
<i>Serratella ignita</i> (Poda, 1761)			X				
BAETIDAE							
<i>Baetis rhodani</i> / <i>atlanticus</i>		X	X	X			
<i>Baetis muticus</i> (Linnaeus, 1758)			X				
<i>Baetis scambus</i> Eaton, 1870			X				
<i>Baetis</i> sp. (1st instar)	X		X	X			
TRICHOPTERA							
POLYCENTROPODIDAE							
<i>Polycentropus flavomaculatus</i> (Pictet, 1834)						X	
<i>Plectrocnemia geniculata</i> McLachlan, 1871	X		X	X		X	
<i>Plectrocnemia conspersa</i> (Curtis, 1834)		X	X	X		X	
<i>Plectrocnemia</i> sp.	X		X	X			X
Polycentropodidae sp.	X						
HYDROPSYCHIDAE							
<i>Hydropsyche siltalai</i> Doepler, 1963			X				
<i>Diplectrona felix</i> McLachlan, 1878		X					
RHYACOPHILIDAE							
<i>Rhyacophila dorsalis</i> (Curtis, 1834)			X				
GLOSSOSOMATIDAE							
<i>Agapetus fuscipes</i> Curtis, 1834				X			
<i>Agapetus</i> sp.				X			
PHILOPOTAMIDAE							
<i>Philopotamus montanus</i> (Donovan, 1813)						X	
<i>Wormaldia occipitalis</i> (Pictet, 1834)	X		X	X		X	
<i>Wormaldia</i> sp.	X						
SERICOSTOMATIDAE							
<i>Sericostoma personatum</i> (Spence in Kirby & Spence, 1826)			X		X		
LEPIDOSTOMATIDAE							
<i>Crunoecia irrorata</i> (Curtis, 1834)			X				
LIMNEPHILIDAE							
<i>Stenophylax vibex</i> (Curtis, 1834)						X	
<i>Potamophylax</i> sp.						X	
<i>Drusus annulatus</i> (Stephens, 1837)				X			
<i>Anabolia nervosa</i> (Curtis, 1834)				X			
<i>Limnephilus centralis</i> Curtis, 1834		X					
Limnephilidae spp.		X					

Supplementary Table S1; Sheet 4: Continued from Table S1; Sheet 3 on p.S3. Continues as Table S1; Sheet 5 on p.S5. See Supplementary Table S1; Sheet 1 on p.S1 for full caption information.

Supplementary Table S1; Sheet 5	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
HEMIPTERA							
NEPIDAE							
<i>Nepa cinerea</i> Linnaeus, 1758						X	
VELIIDAE							
<i>Velia caprai</i> Tamanini, 1947						X	
DIPTERA							
CHIRONOMIDAE							
<i>Synorthocladius semiviriens</i> (Kieffer, 1909)	X						
<i>Orthocladius / Cricotopus</i> gp.	X	X	X				
<i>Tvetenia</i> sp.	X	X	X				
<i>Corynoneura</i> sp.	X						
<i>Eukiefferiella</i> sp.	X	X	X				
<i>Chaetocladius</i> sp.			X				
<i>Metriocnemus</i> sp.			X				
<i>Synorthocladius</i> sp.		X					
<i>Brillia modesta</i> (Kieffer, 1909)	X						
<i>Ablabesmyia</i> sp.	X	X	X				
<i>Paramerina</i> sp.	X	X	X				
<i>Macropelopia</i> sp.	X	X					
<i>Microspectra</i> sp.	X		X				
<i>Potthastia longimana</i> (Kieffer, 1922)			X				
Chironomidae spp.	X	X	X	X			
SIMULIIDAE							
<i>Simulium cryophilum</i> (Rubstov, 1959)	X	X					
<i>Simulium costatum</i> Friederichs, 1920				X		X	
<i>Simulium ornatum</i> gp.				X			
<i>Simulium</i> sp.	X	X	X	X			
EMPIDIDAE							
<i>Hemerodromia</i> sp.				X			
<i>Chelifera</i> sp.				X			
DIXIDAE							
<i>Dixa puberula</i> Loew, 1849			X				
CERATOPOGONIDAE							
<i>Palpomyia / Bezzia</i> gp.	X	X	X	X			
<i>Sphaeromyias</i> sp.	X	X	X				
Ceratopogonidae spp.	X						
PSYCHODIDAE							
<i>Bazarella neglecta</i> (Eaton, 1893)		X					
Psychodidae sp. (pupa)		X					
BIBIONIDAE							
<i>Bibio</i> sp.		X					
CULICIDAE							
<i>Culex pipiens</i> Linnaeus, 1758						X	
TIPULIDAE							
<i>Nephrotoma</i> sp.			X				
PEDICIIDAE							
<i>Dicranota</i> sp.	X	X		X			
LIMONIIDAE							
<i>Ormosia</i> sp.			X				
<i>Phylidorea</i> sp.		X					
<i>Neolimnomyia</i> sp.		X					
<i>Eloeophila</i> sp.	X			X			

Supplementary Table S1; Sheet 5: Continued from Table S1; Sheet 4 on p.S4. Continues and completes as Table S1; Sheet 6 on p.S6. See Supplementary Table S1; Sheet 1 on p.S1 for full caption information.

Supplementary Table S1; Sheet 6	OGOF DRAENEN			SWILDON'S HOLE			BAKER'S PIT
	Cave	Sinks	Springs (resurgences)	Allogenic main stream	Autogenic tributaries	Hazelton and HCRS records	Hazelton and other historical records
TAXA							
COLEOPTERA							
SCIRTIDAE							
<i>Elodes minutus</i> (Linnaeus, 1767)						X	
<i>Elodes</i> sp.		X					
DYTISCIDAE							
<i>Agabus guttatus</i> (Paykull, 1798)		X				X	
<i>Agabus bipustulatus</i> (Linnaeus, 1767)						X	
<i>Agabus paludosus</i> (Fabricus, 1801)						X	
<i>Agabus</i> sp. (larva)		X					
<i>Ilybius fuliginosus</i> (Fabricus, 1792)						X	
<i>Hydroporus discretus</i> Fairmare & C. Brisout de Barneville, 1859						X	
Dytiscidae sp. (indet. larva)			X				
HYDROPHILIDAE							
<i>Anacaena globulus</i> (Paykull, 1798)		X					
<i>Megasternum obscurum</i> (Marsham, 1802)						X	
HELOPHORIDAE							
<i>Helophorus aequalis</i> C.G. Thomson, 1868		X					
<i>Helophorus aequalis</i> / <i>grandis</i>						X	
<i>Helophorus flavipes</i> Fabricus, 1792		X				X	
HYDRAENIDAE							
<i>Hydraena gracilis</i> Germar, 1823						X	
HALIPLIDAE							
<i>Haliphus lineatocollis</i> (Marsham, 1802)						X	
ELMIDAE							
<i>Elmis aenea</i> (P.W.J. Müller, 1806)	X	X	X	X			
<i>Limnius volckmari</i> (Panzer, 1793)				X			
<i>Esolus parallelepipedus</i> (P.W.J. Müller, 1806)			X				
<i>Oulimnius</i> sp. (larvae)	X						

Supplementary Table S1; Sheet 6: Continued and completed from Table S1; Sheet 5 on p.S5.
See Supplementary Table S1; Sheet 1 on p.S1 for full caption information.

Supplementary Table S2; Sheet 1		TRAYS																										
Cave		Ogof Draenen																										
Date	14/05/2016	14/01/2017			29/04/2017			02/12/2017	18/02/2018	19/05/2018			24/11/2018	23/03/2019	16/10/2019	27/03/2020	11/09/2020	19/03/2021	03/10/2021	02/04/2022								
Site Numbers	3	4	2	3	4	1	2	3	4	2	4	4	1	2	4	2	2	1	3	4	2	3	2	4	2	4	2	4
TAXA																												
TRICLADIDA																												
PLANARIIDAE																												
<i>Phagocata vitta</i> (Duges, 1830)																											1	
NEMATODA	1	1								1					1												12	
OLIGOCHAETA			3					1	1	6		1			5	1	1	5	1	4	1	14		2	4	1	3	
CRUSTACEA																												
AMPHIPODA																												
<i>Microniphargus leruthi</i> Schellenberg, 1934													1															
ISOPODA																												
<i>Proasellus cavaticus</i> (Leydig, 1871)					1										1											1		
COPEPODA																												
CYCLOPOIDA																												
<i>Graeteriella</i> sp. (c.f. <i>bouii</i> ??)				1																								
<i>Diacyclops languidoides</i> (Lilljeborg, 1901)																											1	
<i>Paracyclops fimbriatus</i> (Fischer, 1853)		5			1					2							1					1			2		3	
<i>Paracyclops fimbriatus / chiltoni</i>																										2		
<i>Paracyclops</i> sp. (juv.)				1																								
HARPACTICOIDA																												
<i>Bryocamptus echinatus</i> (Mrázek, 1893)			8	1									1	1				1								3	3	
<i>Bryocamptus zschokkei</i> (Schmeil, 1893)																				2								
<i>Bryocamptus pygmaeus</i> (G.O. Sars, 1863)																										8		
OSTRACODA																												
<i>Fabaeformiscandona breuili</i> (Paris, 1920)																										2		
Ostracoda sp. (indet.)				1																								3
ACARI																												
HALICARIDAE																												
<i>Soldannellonyx chappuisi</i> Walter, 1917																												1
TRICHOPTERA																												
HYDROPSYCHIDAE																												
<i>Dipletrona felix</i> McLachlan, 1878					1																							
POLYCENTROPODIDAE																												
<i>Plectrocnemia geniculata</i> McLachlan, 1871					1					1	1																4	
<i>Plectrocnemia</i> sp.		4				1																						
DIPTERA																												
EMPIDIDAE																												
<i>Chelifera</i> sp.																		1										
CHIRONOMIDAE																												
Chironomidae sp.		3	2				1			1				1								1				3		
COLEOPTERA																												
ELMIDAE																												
<i>Limnius volckmari</i> (Panzer, 1793)		3	2				1			1																		

Supplementary Table S2; Sheet 1: Table S2 continues and completes as Table S2; Sheet 2 on p.S8.

Full data for TRAY collecting sites within Ogof Draenen. Only data for those TRAYS from which fauna were collected on each sampling visit are included; some trays were either dry or the samples contained no specimens.

Supplementary Table S2; Sheet 2	DRIP-FED POOLS										
Cave	Ogof Draenen										
Date	13/02/2016			23/03/2019		19/03/2021			02/04/2022		
Site Numbers	1	2	3	1	3	1	2	3	1	2	3
TAXA											
OLIGOCHAETA							13			1	
CRUSTACEA	N	N		N	N	N			N		N
ISOPODA	O	O		O	O	O			O		O
<i>Proasellus cavaticus</i> (Leydig, 1871)							1			1	
COPEPODA	F	F		F	F	F			F		F
CYCLOPOIDA	A	A		A	A	A			A		A
<i>Paracyclops fimbriatus</i> (Fischer, 1853)	U	U	1	U	U	U	2	1	U		U
HARPACTICOIDA	N	N		N	N	N			N		N
<i>Bryocamptus echinatus</i> (Mrázek, 1893)	A	A		A	A	A	5		A		A

Supplementary Table S2; Sheet 2: Continued and completed from Table S2; Sheet 1 on p.S7. Full data for DRIP-FED POOL collecting sites within Ogof Draenen. There were no drip-fed pools in the vicinity of Site 4 because the passage below was occupied by a stream. The pools initially present during tray deployment at Site 2 were also within an ephemeral streamway that was flowing during the March 2019 pool sampling visit; thus, no pools were available for sampling at Site 2 on that date.

Supplementary Table S3; Sheet 1	TRAYS																									
Cave	Swildon's Hole																									
Date	07/05/ 2016		15/12/ 2016		06/05/ 2017		14/10/ 2017				03/02/ 2018	03/06/ 2018	09/12/ 2018	02/03/ 2019	02/11/ 2019		14/03/ 2020			29/08/ 2020		20/03/ 2021		13/11/ 2021	25/03/ 2022	
Site Numbers	1	4	1	4	1	3	1	2	3	4			1		1	4	1	2	4	3	4	1	3	1	1	
TAXA																										
NEMATODA		2	1														1		1							
OLIGOCHAETA	1		5	2	1	1		5	2		N O	N O	1		N O	3	1	3		4	1		1	1		
CRUSTACEA																										
COPEPODA											F A U N A	F A U N A			F A U N A											
CYCLOPOIDA																										
<i>Graeteriella unisetigera</i> (E. Graeter, 1908)																							1			
Cyclopoida sp. (indet.)									1																	
HARPACTICOIDA																										
<i>Bryocamptus typhlops</i> (Mrázek, 1893)																	2									3
Harpacticoida sp. (indet.)											N O	N O			N O	1										
ACARI																										
HALICARIDAE											F A U N A	F A U N A			F A U N A											
<i>Soldanellonyx chappuisi</i> Walter, 1917																					3					
COLEOPTERA																										
SCIRTIDAE																										
<i>Elodes</i> sp. (larva)						1		1																		

Supplementary Table S3; Sheet 1: Table S3 continues and completes as Table S3; Sheet 2 on p.S10. Full data for each of the four TRAY collecting sites within Swildon's Hole. Only the trays where fauna were collected on the sampling visits shown are included. Other trays were either dry or the related samples contained no specimens.

Supplementary Table S3; Sheet 2	DRIP-FED POOLS								
Cave	Swildon's Hole								
Date	06/02/2016		02/03/2019		20/03/2021		25/03/2022		
Site Numbers:	1	2	3	1	3	2	3	2	3
TAXA									
NEMATODA									1
OLIGOCHAETA	1	3	4	1	4	5	9	1	2
GASTROPODA									
HYDROBIIDAE									
<i>Potamopyrgus antipodarum</i> (J.E. Gray, 1843)	1								
CRUSTACEA									
AMPHIPODA									
<i>Microniphargus leruthi</i> Schellenberg, 1934								1	
<i>Gammarus pulex</i> (Linnaeus, 1758)		1							
ISOPODA									
<i>Proasellus cavaticus</i> (Leydig, 1871)						2			1
COPEPODA									
CYCLOPOIDA									
<i>Paracyclops fimbriatus</i> (Fischer, 1853)			14				1		
<i>Megacyclops viridis</i> (Jurine, 1820)					15		13		5
HARPACTICOIDA									
<i>Bryocamptus zschokkei</i> (Schmeil, 1893)			2						
<i>Bryocamptus pygmaeus</i> (G.O. Sars, 1863)	2			1					
<i>Attheyella crassa</i> (G.O. Sars, 1863)							9		
OSTRACODA									
<i>Fabaeformiscandona wegelinei</i> (Petkovski, 1962)							5		
<i>Potamocypris fulva</i> (Brady, 1868)			41						
Ostracoda sp. (indet.)					1				49
EPHEMEROPTERA									
CAENIDAE									
<i>Caenis</i> sp. (1st instar)			1						

Supplementary Table S3; Sheet 2: Continued and completed from **Table S3; Sheet 1** on p.S9.

Full data for each of the DRIP-FED POOL collecting sites within Swildon's Hole. No drip-fed pools were evident in the vicinity of Site 4, and during the pool sampling in March 2019 Site 2 was not sampled. During the pool sampling in March 2021 and March 2022 the small pools in the vicinity of Site 1 were dry.

Supplementary Table S4; Sheet 1		TRAYS													
Cave		Baker's Pit													
Date	09/03/2016	01/06/2016	23/11/2016	26/04/2017	29/09/2017	14/03/2018	30/05/2018	19/12/2018	13/03/2019	11/12/2019	11/03/2020	03/10/2020	13/03/2021	14/10/2021	18/04/2022
Site Numbers		4		1 2		1 3	4	2	1 3	1	1 2	1 2	1 3		3 4
TAXA															
OLIGOCHAETA	N	1	N		N						2	1		N	
CRUSTACEA	O		O		O									O	
AMPHIPODA															
<i>Niphargus glenniei</i> (Spooner, 1951)	F		F	1	F	1 1		1	1			1		3	F
COPEPODA	A		A		A									A	
CYCLOPOIDA	U		U		U									U	
<i>Diacyclops languidoides</i> (Lilljeborg, 1901)	N		N		N									N	1
<i>Diacyclops</i> sp.	A		A		A		1							A	
<i>Tropocyclops prasinus</i> (Fischer, 1860)		1													
<i>Graeteriella unisetigera</i> (E. Graeter, 1908)	N		N		N			4		1		2		1	N
<i>Eucyclops serrulatus</i> (Fischer, 1851)	O		O		O						5			O	
<i>Cyclopoida</i> sp. (indet.)	F		F	1	F									F	
HARPACTICOIDA	A		A		A									A	
<i>Bryocamptus zschokkei</i> (Schmeil, 1893)	U	4	U		U									U	
<i>Bryocamptus</i> sp.	N		N		N									N	3
<i>Parastenocaris</i> sp.	A		A		A									A	1

Supplementary Table S4; Sheet 1: Table S4 continues as Table S4; Sheet 2 on p.S12. Full data for each of the four TRAY collecting sites within Baker's Pit. Only data for those trays from which fauna were collected on each sampling visit are included; some trays were either dry or the samples contained no specimens.

Supplementary Table S4; Sheet 2	DRIP-FED POOLS															
Cave	Baker's Pit															
Date	23/01/2016				13/03/2019				13/03/2021				18/04/2022			
Site Numbers	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
TAXA																
OLIGOCHAETA	1		N	N	N	N	N			1	2		N		N	1
CRUSTACEA			O	O	O	O	O						O		O	
AMPHIPODA																
<i>Niphargus glenniei</i> (Spooner, 1951)		5	F	F	F	F	F						F	2	F	
COPEPODA			A	A	A	A	A						A		A	
CYCLOPOIDA			U	U	U	U	U						U		U	
<i>Diacyclops bisetosus</i> (Rehberg, 1880)			N	N	N	N	N	3					N		N	5
<i>Graeteriella unisetigera</i> (E. Graeter, 1908)			A	A	A	A	A					2	A		A	

Supplementary Table S4; Sheet 2; Table S4 continues and completes as **Table S4; Sheet 3** on p.S13.
 Full data for each of the four DRIP-FED POOL collecting sites within Baker's Pit. Only data for those pools from which fauna were collected on each sampling visit are included; some of the pool samples contained no specimens.

Supplementary Table S4; Sheet 3	KICK- SAMPLES			
Cave	Baker's Pit			
Date	24/01/2018			
Site Numbers	A	B	C	D
TAXA				
OLIGOCHAETA	2	1	N O F A U N A	1
CRUSTACEA				
AMPHIPODA				
<i>Niphargus glenniei</i> (Spooner, 1951)		2		
<i>Niphargus aquilex</i> Schiödte, 1855	1			1
COPEPODA				
CYCLOPOIDA				
<i>Paracyclops fimbriatus</i> (Fischer, 1853)	1			1
Cyclopoida sp. (indet.)	1			4

Supplementary Table S4; Sheet 3: Continued and completed from **Table S4; Sheet 2** on p.S12.
Full data obtained by kick-sampling of the ephemeral streams within Baker's Pit on 24/1/2018.