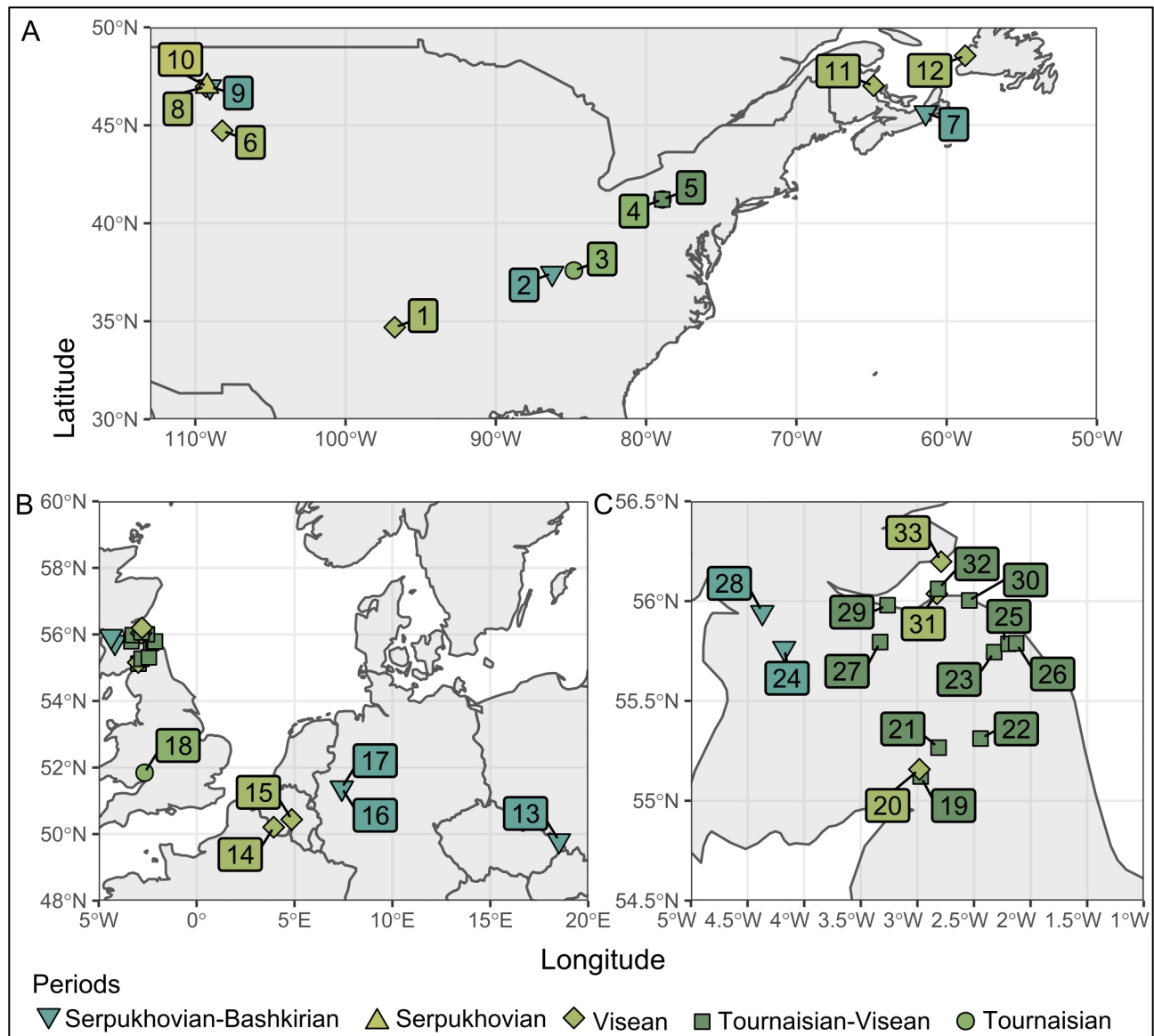


APPENDIX 4. Geographic distribution of outcrops which present records of Eumalacostraca, and its sister-group Phyllocarida, during the Mississippian of North America (A), continental Europe (B) and north of the UK (C).



GR	Species	Author	Group	GR	Species	Author	Group
1	<i>Archaeocaris graffhami</i>	Brooks, 1962	Hoplocarida	19	<i>Perimecturus parki</i>	(Peach, 1882)	Hoplocarida
2	<i>Pseudotealliocaris holthuisi</i>	Irham, Schram and Vonk, 2010	Pygocephalomorpha		<i>Pseudogalathea macconochiei</i>	(Etheridge, 1877)	Pygocephalomorpha
3	<i>Archaeocaris vermiformis</i>	Meek, 1872	Hoplocarida		<i>Pseudogalathea rotunda</i>	Peach, 1883	Pygocephalomorpha
4	<i>Pseudotealliocaris palincsari</i>	Schram, 1988	Pygocephalomorpha		<i>Pseudogalathea</i> sp.	Peach, 1883	Pygocephalomorpha
5	<i>Pseudotealliocaris palincsari</i>	Schram, 1988	Pygocephalomorpha		<i>Pseudotealliocaris etheridgei</i>	(Peach, 1882)	Pygocephalomorpha
6	<i>Joanellia lundii</i>	Schram and Schram, 1979	Hoplocarida		<i>Sairocaris elongata</i>	(Peach, 1882)	Phyllocarida
7	<i>Palaeosyncaris dakotensis</i>	Brooks, 1962	Syncarida		<i>Tealliocaris woodwardi</i>	(Etheridge, 1877)	Pygocephalomorpha
8	<i>Tealliocaris caudafimbriata</i>	Copeland, 1957	Pygocephalomorpha	20	<i>Schramocaris clarksoni</i>	Clark, Miller and Ross, 2017	Eumalacostraca
9	<i>Squillites spinosus</i>	Scott, 1938	Hoplocarida	21	<i>Bairdops</i> sp.	Schram, 1979	Hoplocarida
10	<i>Aenigmacaris cornigerum</i>	Schram and Horner, 1978	Hoplocarida		<i>Pseudogalathea</i> sp.	Peach, 1883	Pygocephalomorpha
11	<i>Anthracocephalusia</i> sp.	(Peach, 1908)	Anthracocephaliidae		<i>Pseudotealliocaris</i> sp.	Brooks, 1962	Pygocephalomorpha
12	<i>Bairdops beargulchensis</i>	Schram and Horner, 1978	Hoplocarida		<i>Tealliocaris</i> sp.	Peach, 1908	Pygocephalomorpha
13	<i>Belotelson magister</i>	Packard, 1886	Belotelsonidea	22	<i>Crangopsis</i> sp.	Salter, 1863	Hoplocarida
14	<i>Crangopsis</i> sp.	Salter, 1863	Hoplocarida		<i>Joanellia elegans</i>	(Peach, 1883)	Hoplocarida
15	<i>Daidal acanthocercus</i>	(Jenner, Hof and Schram, 1998)	Hoplocarida		<i>Pseudogalathea</i> sp.	Peach, 1883	Pygocephalomorpha
16	<i>Dithryocaris rolfei</i>	Schram and Horner, 1978	Phyllocarida	23	<i>Belotelson</i> sp.	Packard, 1886	Belotelsonidea
17	<i>Perimecturus rapax</i>	Schram and Horner, 1978	Hoplocarida		<i>Tealliocaris</i> sp.	Peach, 1908	Pygocephalomorpha
18	<i>Sairocaris centurion</i>	Schram and Horner, 1978	Phyllocarida	24	<i>Daidal pattoni</i>	(Peach, 1808)	Hoplocarida
19	<i>Tyrannophontes cf. theridion</i>	Schram and Horner, 1978	Hoplocarida	25	<i>Belotelson traquairi</i>	(Peach, 1882)	Belotelsonidea
20	<i>Joanellia lundii</i>	Schram and Schram, 1979	Hoplocarida		<i>Joanellia elegans</i>	(Peach, 1883)	Hoplocarida
21	<i>Schramocaris matthewi</i>	Clark, Miller and Ross, 2017	Eumalacostraca		<i>Pseudotealliocaris etheridgei</i>	(Peach, 1883)	Pygocephalomorpha
22	<i>Bellocaris newfoundlandensis</i>	Fong, 1972	Pygocephalomorpha		<i>Tealliocaris robusta</i>	Peach, 1908	Pygocephalomorpha
23	<i>Crangopsis cf. socialis</i>	(Salter, 1861)	Hoplocarida	26	<i>Bairdops</i> sp.	Schram, 1979	Hoplocarida
24	<i>Acanthocaris aff. scopioides</i>	(Peach, 1882)	Phyllocarida		<i>Belotelson</i> sp.	Packard, 1886	Belotelsonidea
25	<i>Acanthocaris elongatus</i>	(Peach, 1882)	Phyllocarida		<i>Tealliocaris</i> sp.	Peach, 1908	Pygocephalomorpha
26	<i>Anthracocephalusia</i> sp.	(Peach, 1908)	Anthracocephaliidae	27	<i>Crangopsis</i> sp.	Salter, 1863	Hoplocarida
27	<i>Dithryocaris testudinea</i>	(Scouler, 1835)	Phyllocarida	28	<i>Crangopsis</i> sp.	Salter, 1863	Hoplocarida
28	<i>Perimecturus elegans</i>	(Peach, 1908)	Hoplocarida		<i>Minicaris brandi</i>	Schram, 1979	Syncarida
29	<i>Perimecturus parki</i>	(Peach, 1908)	Hoplocarida		<i>Palaemysis</i> sp.	Peach, 1908	Anthracocephaliidae
30	<i>Tealliocaris woodwardi</i>	(Etheridge, 1877)	Pygocephalomorpha		<i>Tealliocaris robusta</i>	Peach, 1908	Pygocephalomorpha
31	<i>Acanthocaris plicatilis</i>	Carpentier, 1913	Phyllocarida		<i>Tyrannophontes</i> sp.	Schram, 1969	Hoplocarida
32	<i>Pleurocaris juengeri</i>	Schöllmann, 1999	Syncarida	29	<i>Bairdops elegans</i>	Peach, 1908	Hoplocarida
33	<i>Daidal schoellmanni</i>	Schram, 2007	Hoplocarida		<i>Minicaris</i> sp.	Schram, 1979	Syncarida
34	<i>Schramocaris gilljonesorum</i>	Clark, Gillespie, Morris and Clayton, 2015	Eumalacostraca		<i>Palaemysis</i> sp.	Peach, 1908	Anthracocephaliidae
35	<i>Anthracoacaris scotica</i>	(Peach, 1882)	Tanaidacea		<i>Pseudogalathea ornatissima</i>	(Peach, 1882)	Pygocephalomorpha
36	<i>Anthracocephalusia dunsiana</i>	Peach, 1908	Anthracocephaliidae		<i>Pseudotealliocaris etheridgei</i>	(Peach, 1883)	Pygocephalomorpha
37	<i>Bairdops elegans</i>	Peach, 1908	Hoplocarida		<i>Tealliocaris woodwardi</i>	(Etheridge, 1877)	Pygocephalomorpha
38	<i>Belotelson traquairi</i>	Peach, 1908	Belotelsonidea		<i>Waterstonella grantonensis</i>	Schram, 1979	Waterstonellidae
39	<i>Crangopsis eskdaleensis</i>	(Peach, 1882)	Hoplocarida	30	<i>Tealliocaris woodwardi</i>	(Etheridge, 1877)	Pygocephalomorpha
40	<i>Joanellia elegans</i>	(Peach, 1883)	Hoplocarida	31	<i>Tealliocaris</i> sp.	Peach, 1908	Pygocephalomorpha
				32	<i>Tealliocaris woodwardi</i>	(Etheridge, 1877)	Pygocephalomorpha
				33	<i>Crangopsis socialis</i>	(Salter, 1861)	Hoplocarida