

Table 1. Ichnofauna from freshwater settings (glaciolacustrine and glacially influenced fluvial environments) or environmental settings strongly influenced by meltwater discharges (fjord deltas). Source data: Anderson (1970, 1975a, b, 1976, 1981), Balistieri (2003), Balistieri et al. (2002a, b), Benner et al. (2008, 2009), Braddy and Briggs (2002), Brezinski et al. (2008), Buatois and Mángano (1993, 1995a, b, 2002, 2003, 2004, 2007), Buatois et al. (2006, 2010), Clark-Lowes (2005), Buatois and del Papa (2003), Gaigalas and Uchman (2004), Gibbard and Stuart (1974), Knecht et al. (2009), Lermen (2006), Martin (2009), Miller and Collinson (1994), Miller and Isbell (2010), Pazos (2000), Pazos et al. (2007), Savage (1970, 1971), Rodrigues (1991), Trewin et al. (2002), Uchman et al. (2008, 2009).

¹Includes *Quadrifispinichnina parvia* described in Karoo Basin and reviewed by Benner et al. (2008). ²Includes the “probable insect larva trails” described by Gibbard and Stuart (1974). ³Includes the trace fossil originally named as *Isopodichnus* or *Isopodichnus*-like structures (Anderson, 1981) and the “narrow crawling trace showing paired footmarks with a central ridge” described by Gibbard and Dreimanis (1978). ⁴Includes the “fossil isopod trails” described by Gibbard and Stuart (1974). ⁵Uchman et al. (2009) included *Mermia caricensis* in *Gordia caricensis*, but considering that the Paleozoic record of *M. caricensis* was not revised, we maintained both occurrences herein. ⁶Includes the horizontal “random mass of meandering horizontal tubes, intertwining and merging” confined to bedding planes described by Anderson (1981) and the “irregularly meandering burrows” described by Gibbard and Dreimanis (1978). ⁷Made by gastropods (Anderson, 1981). ⁸Includes the “worm-like animal trails” described by Gibbard and Stuart (1974).

Age	Upper Ordovician	Upper Devonian	Upper Carboniferous-Lower Permian						Middle to Upper Pleistocene			Holocene	
			Paraná Basin, S Brazil	Paganzo Basin, NW Argentina	San Rafael Basin, NW Argentina	Tarija Basin, NW Argentina	Falkland Basin, Falkland Islands	Transantarctic Basin, Antarctica	Sydney Basin, E Australia	Kooli Fm., Republic of Yemen	SE England	SE Canada	
Sedimentary basins	Saraf Fm., Saudi Arabia	Central Appalachian Basin, E USA	Karoo Basin, S Africa										
Trace fossils													
<i>Archaeonassa fossulata</i>													
Arthropod trace fossils													
Bilobated trails													
<i>Broomichnium flirii</i> ¹		•											
<i>Circulichnus montanus</i>			•	•									
<i>Cochlichnus anguineus</i>		•	•	•	•								
<i>Cochlichnus</i> isp. ²	•					•	•	•			•	•	•
Crustacean trails/trackways													
<i>Cruziiana problematica</i> ³	•	•							•				
Curved ridges													
<i>Didymaulichnus lyelli</i>													
<i>Diplichnites gouldi</i>		•	•	•	•	•							
<i>Diplichnites</i> isp.	•												
<i>Diplocraterion</i> isp.													
<i>Diplopodichnus biformis</i>		•		•	•		•						
Gastropod trail											•		
<i>Glaciichnium liebegastensis</i>													
<i>Glaciichnium</i> isp. ⁴			•								•	•	
<i>Gluckstadella cooperi</i>	•	•											
<i>Gluckstadella</i> isp.													
<i>Gordia caricensis</i> ⁵													
<i>Gordia marina</i>		•	•	•	•	•							
<i>Gordia</i> isp.													
<i>Gyrochorite</i> isp.	•												
<i>Helminthoidichnites tenuis</i>		•	•	•	•	•	•	•					
<i>Helminthoidichnites</i> isp. ⁵	•												
<i>Helminthopsis tenuis</i> ⁶			•				•				•	•	
<i>Hormosiroidea meandrica</i>		•											
Insect trails/trackways											•		
<i>Kingella natalensis</i>	•												
<i>Kouphichnium</i> isp.													
<i>Lusatichnium slavensis</i>												•	
<i>Maculichnina carboniferus</i>				•	•	•							
<i>Maculichnina varia</i>		•	•										
<i>Mermia caricensis</i> ⁵		•	•	•	•	•							
<i>Mermia</i> isp.													
<i>Nereites</i> isp.			•										
<i>Orchesteropus atavus</i>				•									
<i>Palaeophycus</i> isp.								•			•		
<i>Piscichnus</i> isp.												•	
Piscine feeding traces													
<i>Planolites</i> isp.													
<i>Protichnites</i> isp.	•	•											
<i>Protovirgularia</i> isp.			•										
<i>Rusophycus carbonarius</i>		•											
<i>Rusophycus</i> isp. ⁷		•											
<i>Scolicia</i> isp.		•											

Netto et al.: Table 1

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