

Supplementary Information for:

Linking testate amoeba assemblages to paleohydrology and ecosystem function in Holocene peat core records from the Hudson Bay Lowlands, Ontario, Canada

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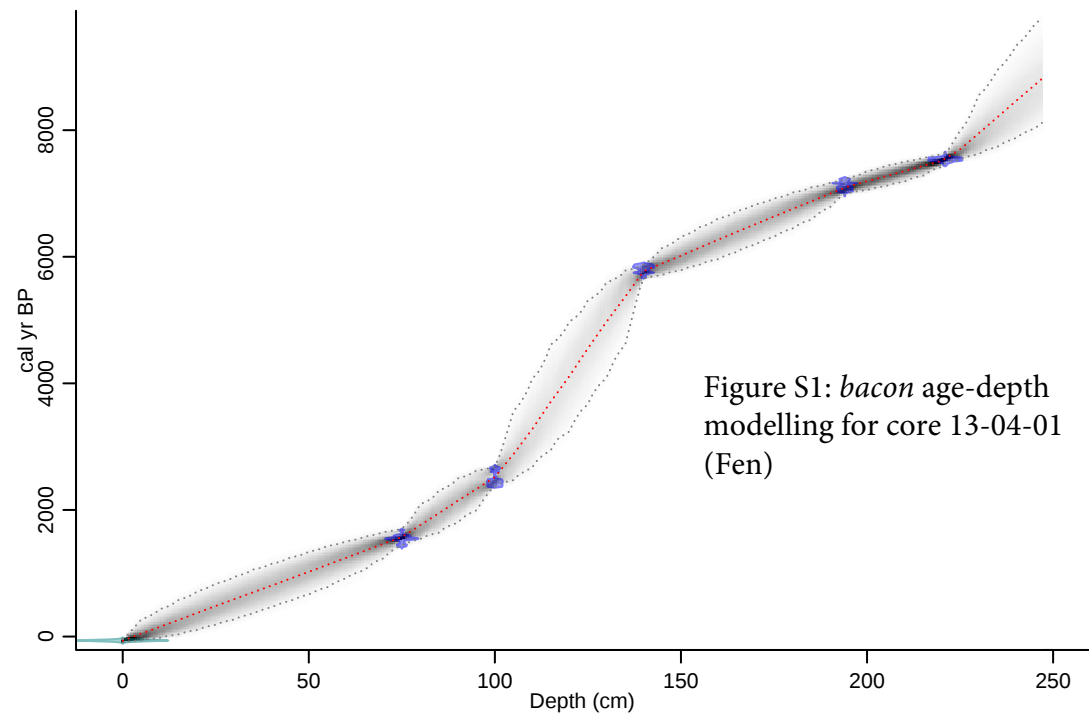
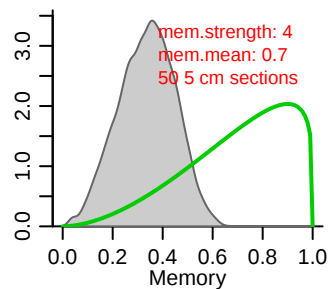
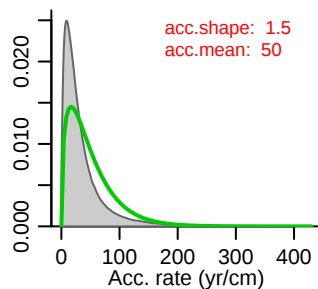
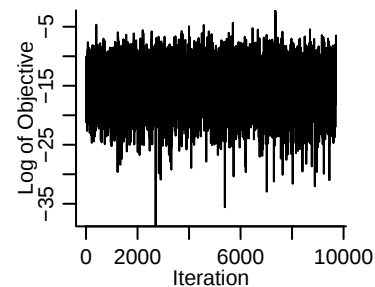
Figure S2: *bacon* age-depth modelling for core 13-02-02 (bog)

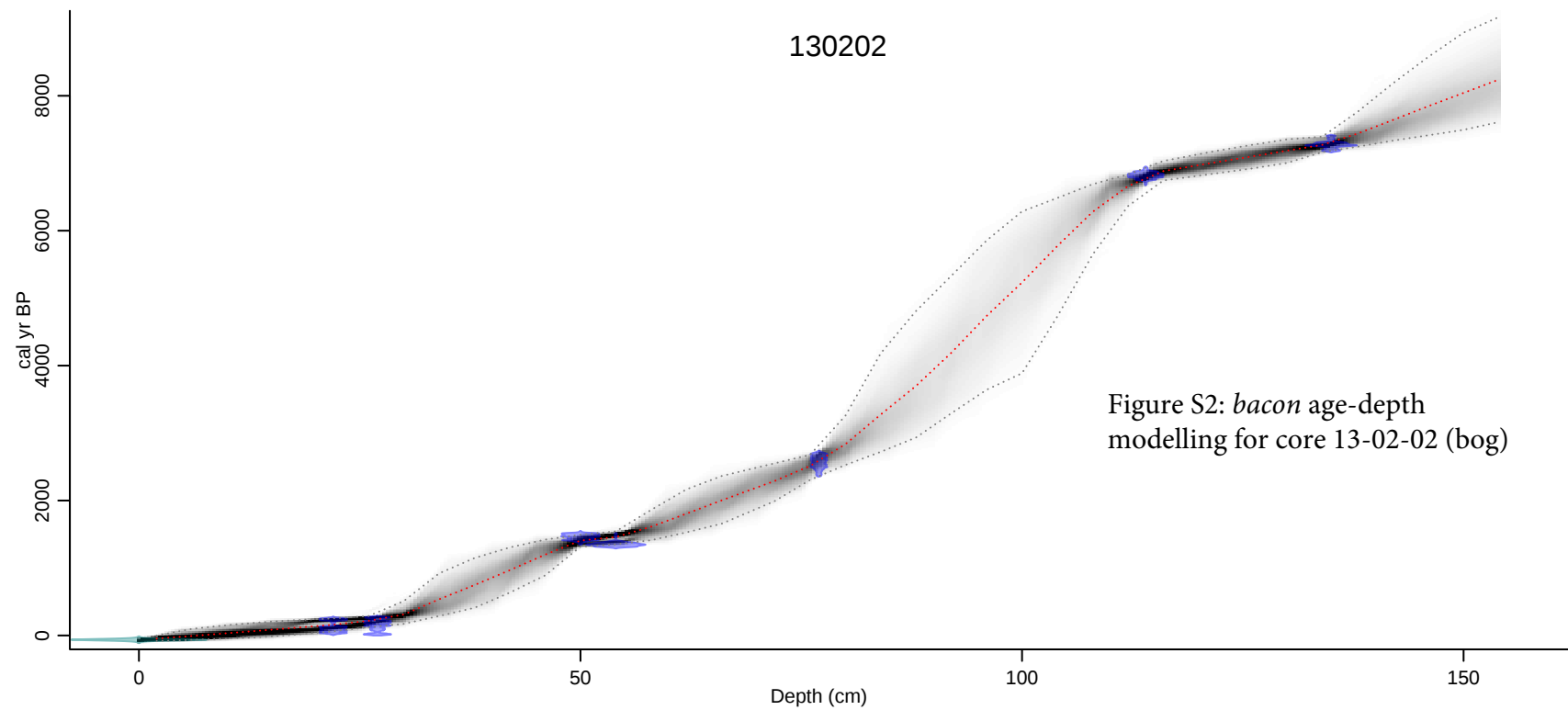
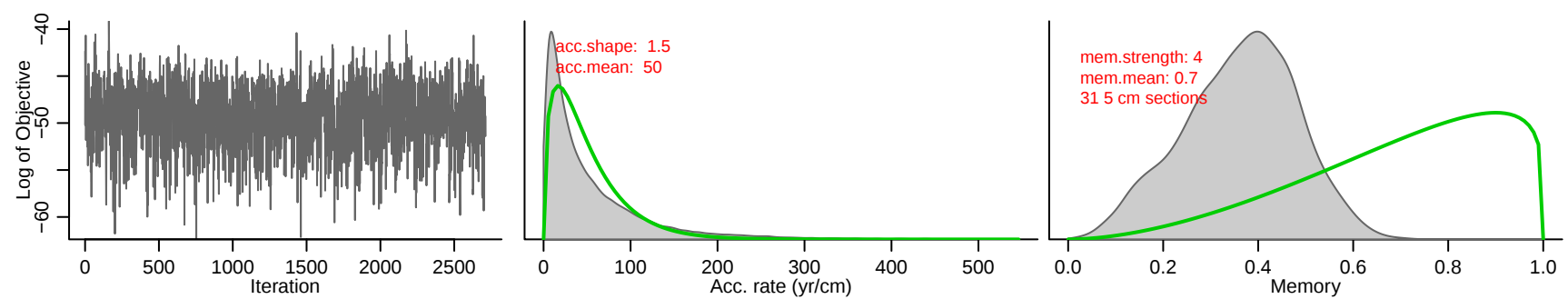
Figure S3: Reconstructed depths to water tables (absolute values) for cores 13-04-01 and 13-02-02

Table S1: Testate amoeba taxa recorded in cores 13-02-02 and 13-04-01 and taxonomic authorities.

	Taxon	Authority
1	<i>Amphitrema wrightianum</i>	Archer
2	<i>Arcella arenaria</i>	Greef
3	<i>Arcella artocrea</i>	Leidy
4	<i>Arcella catinus</i> type	Penard
5	<i>Arcella discoides</i> type	Penard
6	<i>Archerella flavum</i>	(Archer) Penard
7	<i>Arcella hemisphaerica</i>	Perty
8	<i>Arcella vulgaris</i>	Ehrenberg
9	<i>Assulina muscorum</i>	Greef
10	<i>Assulina seminulum</i>	(Ehrenberg) Leidy
11	<i>Bullinularia indica</i>	Penard
12	<i>Centropyxis aculeata</i> type	(Ehrenberg) von Stein
13	<i>Centropyxis cassis</i> type	(Wallich) Deflandre
14	<i>Centropyxis platystoma</i> type	(Penard) Deflandre
15	<i>Cryptodifflugia oviformis</i>	Penard
16	<i>Cyclopyxis arcelloides</i> type	(Penard) Deflandre
17	<i>Difflugia bacillifera</i>	Penard
18	<i>Difflugia globulosa</i> type	Dujardin
19	<i>Difflugia leidy</i>	Wailes
20	<i>Difflugia lucida</i> type	Penard
21	<i>Difflugia oblonga</i>	Ehrenberg
22	<i>Difflugia pristis</i> type	Penard
23	<i>Difflugia pulex</i>	Penard
24	<i>Euglypha rotunda</i> type	(Wailes) Penard
25	<i>Euglypha strigosa</i> type	(Ehrenberg) Leidy
26	<i>Euglypha tuberculata</i> type	Dujardin
27	<i>Heleopera petricola</i>	Leidy
28	<i>Heleopera rosea</i>	Penard
29	<i>Heleopera sphagni</i>	(Leidy) Cash and Hopkinson
30	<i>Heleopera sylvatica</i>	Penard
31	<i>Hyalosphenia elegans</i>	Leidy
32	<i>Hyalosphenia minuta</i>	Cash
33	<i>Hyalosphhnia ovalis</i>	Wailes
34	<i>Hyalosphenia papilio</i>	Leidy

35	<i>Hyalosphenia subflava</i>	Cash and Hopkinson
36	<i>Lesqueresia modesta</i> type	Schlumberger
37	<i>Nebela bohémica</i> type	Taranek
38	<i>Nebela collaris</i> type	Taranek
39	<i>Nebela griseola</i>	Jung
40	<i>Nebela marginata</i>	Penard
41	<i>Alabasta militaris</i> type	Penard
42	<i>Nebela parvula</i> type	(Leidy) Awerintzew; Cash and Hopkinson
43	<i>Nebela tinctoria</i>	(Leidy) Awerintzew; Cash and Hopkinson
44	<i>Nebela vitrea</i> type	Penard
45	<i>Phryganella acropodia</i> type	(Hertwig and Lesser) Cash and Hopkinson
46	<i>Placocista spinosa</i>	Penard
47	<i>Pseudodiffugia fulva</i> type	(Archer) Penard
48	<i>Pyxidicula</i> type	(Penard) Awerintzew
49	<i>Quadrullella symmetrica</i>	(Wallich) Schulze
50	<i>Trigonopyxis arcuata</i> type	(Leidy) Penard
51	<i>Trigonopyxis minuta</i> type	Schönborn and Peschke
52	<i>Trinema/Corythion</i> type	Booth (2008)





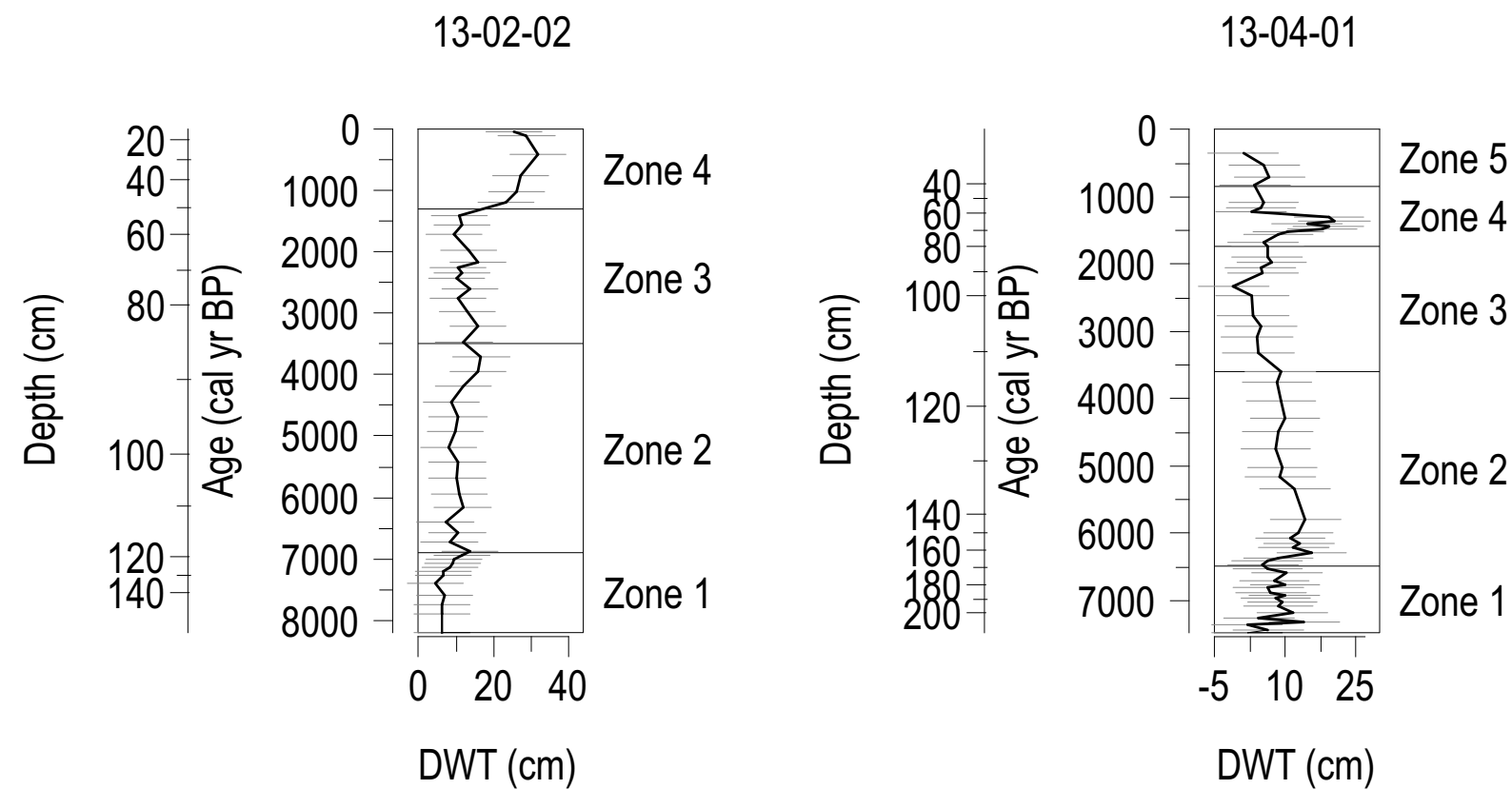


Figure S3: Absolute values for reconstructed depths to water table (DWTs) for the bog core (13-02-02) and the fen core (13-04-01). Reconstructions were generated using the model of Amesbury et al. (2018). Zone numbers indicate biostratigraphic zones delineated using testate amoeba assemblages.