

Supplementary material

Spatial variation of ostracod (Crustacea, Ostracoda) egg banks in temporary lakes of a tropical flood plain

Jonathan Rosa^A, Ramiro de Campos^A, Koen Martens^{B,C} and Janet Higiuti^{A,D}

^AState University of Maringá, Centre of Research in Limnology, Ichthyology and Aquaculture (Nupélia), Graduate Program in Ecology of Inland Water Ecosystems, Avenida Colombo, 5790, CEP 87020-900, Maringá, PR, Brazil.

^BRoyal Belgian Institute of Natural Sciences, Vautierstraat 29, 1000 Brussels, Belgium.

^CUniversity of Ghent, Department of Biology, K. L. Ledeganckstraat 35, 9000 Ghent, Belgium.

^DCorresponding author. Email: janethiguti@gmail.com

Table S1. Mean, standard deviation, minimum and maximum (in parentheses) values of the abiotic variables and species of macrophytes, which germinated in the microcosms

DO, dissolved oxygen; EC, electrical conductivity; Hr, *Hydrocotyle ranunculoides* L.f.; Lv, *Lemna valdiviana* Phil.; Ea, *Eichhornia azurea* Kunth; Na, *Nymphaea amazonum* Mart. & Zucc.; Sm, *Sagittaria montevidensis* Cham. & Schldl; Ht, *Helanthium tenellum* (Mart.) Britt.; Ls, *Lindernia* sp; Nf, *Nitella furcata* (Roxburgh ex Bruzelius) C. Agardh emend. R.D. Wood

Lakes	Region	DO (mg L ⁻¹)	pH	EC (μS cm ⁻¹)	Macrophytes
Pontal	Edge	6.31 ± 1.83 (3.34–8.85)	8.06 ± 0.97 (6.33–9.39)	33.06 ± 21.88 (8.7–79.9)	Hr, Lv, Ea,Na,Nf
	Centre	5.35 ± 1.35 (3.34–7.08)	8.12 ± 0.64 (7.22–9)	16.49 ± 11.25 (8.5–37.7)	Lv, Na
Clara	Edge	5.41 ± 0.88 (3.77–6.75)	7.12 ± 0.87 (5.69–8.56)	12.89 ± 8.87 (6.5–31.7)	Lv, Ea, Nf
	Centre	4.89 ± 1.04 (3.14–6.5)	6.96 ± 0.91 (5.16–8.27)	16.06 ± 9.75 (8.27–33.3)	Ea, Na, Ls, Nf
Figueira	Edge	3.74 ± 0.89 (2.1–5.06)	6.01 ± 0.44 (5.4–6.92)	22.69 ± 9.62 (5.74–41.2)	Na, Sm, Ht
	Centre	3.29 ± 0.63 (2–4.32)	6.39 ± 0.56 (5.92–7.75)	17.67 ± 5.18 (7.75–27)	Na
Osmar	Edge	5.17 ± 0.55 (4.04–6)	6.5 ± 0.63 (5.22–7.37)	15.11 ± 7.94 (7.12–33.4)	Na
	Centre	5.03 ± 0.64 (4.02–5.96)	6.15 ± 0.6 (5.4–7.08)	17.61 ± 10.46 (6.49–36)	Na, Ht
Pousada	Edge	4.14 ± 0.46 (3.47–4.91)	6.02 ± 0.4 (5.33–6.56)	20.11 ± 12.14 (6.28–43.6)	Na
	Centre	3.7 ± 0.44 (2.94–4.46)	5.8 ± 0.38 (5.23–6.46)	23.53 ± 11.49 (5.77–48.7)	Na, Ht
Edge region		4.95±1.39 (2.1–8.85)	6.74 ± 1.04 (5.22–9.39)	20.77 ± 14.89 (5.74–79.9)	
Centre region		4.45±1.2 (2–7.08)	6.68 ± 1.03 (5.16–9)	18.27 ± 10.26 (5.77–48.7)	

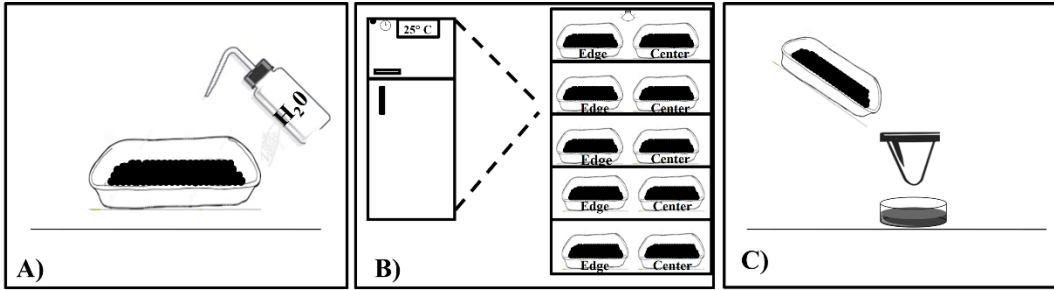


Figure S1. Procedures of hatching of the resting eggs of ostracods. (A) hydration of the dry sediment, (B) microcosm with hydrated sediment in the germination chamber, (C) filtering the water.

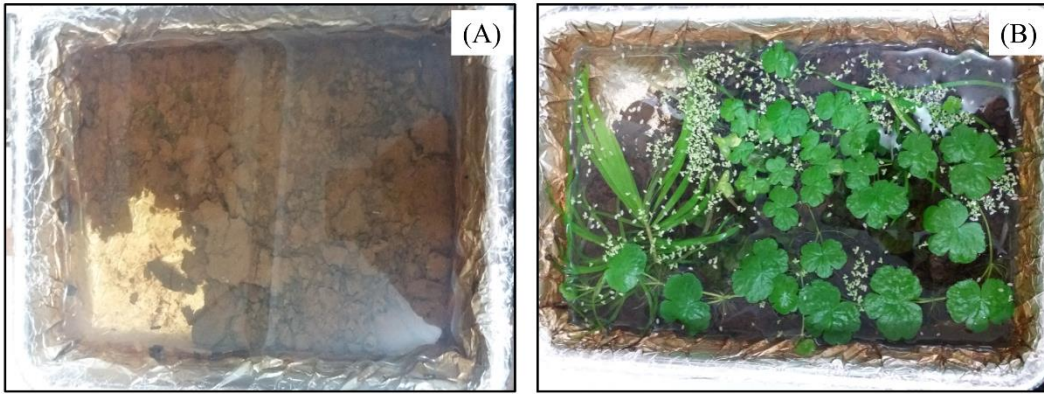


Figure S2. Microcosms in the germination chamber. Beginning of incubation period (A), end of incubation after 91 days (B).