

Supplementary Information

The significance of droughts for hyporheic dwellers: evidence from freshwater crayfish

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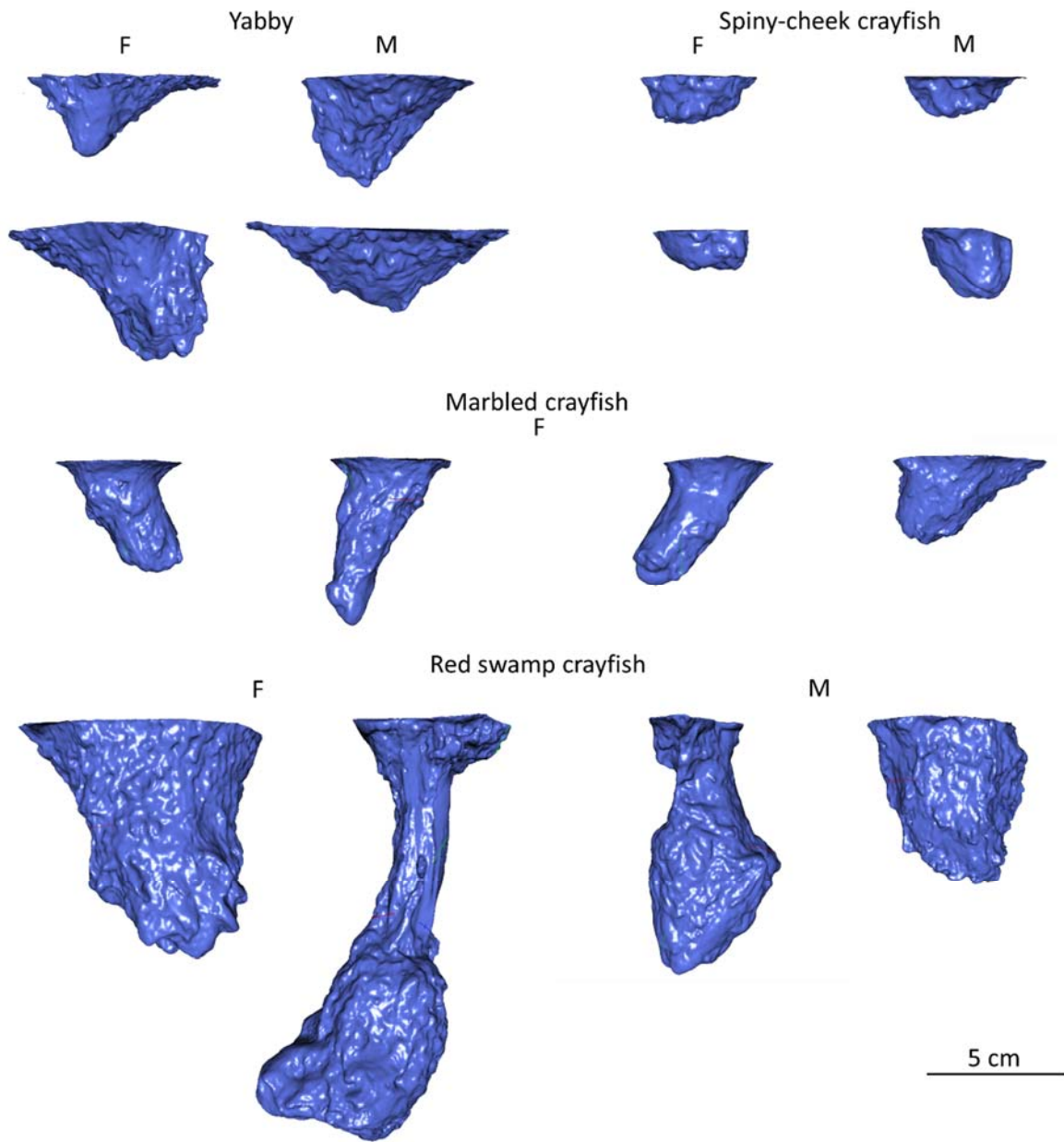


Figure S1. Further examples of burrows constructed by crayfish species involved in the experiment.

Table S1. Size distribution of sand and clay particles evaluated in the analytical laboratory of AGRO-LA Inc. (Jindřichův Hradec, Czech Republic) and provided by the supplier, respectively.

Sand		Clay	
Size class (mm)	Portion (%)	Size class (μm)	Portion (%)
< 0.4	16.6	< 2	48.2
0.4 – 0.5	7.8	2 – 4	9.0
0.5 – 0.63	5.5	4 – 10	11.6
0.63 – 0.8	9.6	10 – 20	9.0
0.8 – 1.0	32.5	20 – 40	7.4
1.0 – 1.25	12.2	40 – 63	3.2
1.25 – 1.4	2.3	> 63	11.6
1.4 – 2.0	8.2		
> 2.0	5.4		

Table S2. Biometry of crayfish involved in the experiment. Data are presented as mean±SD and range.

Species	n	Capapace lenght (mm)	Weight (g)
<i>Astacus astacus</i>	4	51.8±5.0 (43.7–57.3)	37.7±11.2 (19.0–48.9)
<i>Astacus leptodactylus</i>	4	51.2±8.9 (41.8–63.1)	42.0±23.2 (18.6– 6.3)
<i>Austropotamobius torrentium</i>	4	31.4±2.2 (29.1–33.8)	10.2±3.1 (6.9–13.3)
<i>Cherax destructor</i>	14	37.5±3.9 (26.9–43.3)	20.0±6.0 (6.3–29.1)
<i>Orconectes limosus</i>	10	29.9±3.3 (22.2–33.7)	7.9±2.1 (4.5–11.3)
<i>Pacifastacus leniusculus</i>	10	46.5±7.1 (26.2–54.9)	34.6±4.7 (25.8–42.9)
<i>Procambarus clarkii</i>	24	37.7±2.7 (32.3–44.1)	14.3±3.1 (7.9–21.9)
<i>Procambarus fallax f. virginialis</i>	12	26.9±4.4 (22.1–35.4)	6.0±3.0 (3.2–11.7)