Online Resource 1: Environmental data and effect of large mammalian herbivores (as a biotic factor producing trampling disturbance effects: *sensu* Grime 1979) potentially impacting macrophyte-invertebrate herbivore interactions in Neotropical and Afrotropical wetlands. Flow: assessed on a scale of 1 = static; to 4 = fast-flowing (Lang ~~and~~ & Murphy, 2011). Disturbance: expressed on a semi quantitative scale of 1 = no disturbance due to trampling by animals, to 4 = major trampling damage. In Afrotropical sites, turbidity is shown as underwater photosynthetically-active radiation (PAR) absorbance coefficient: *k* $m^{-1,}$ with depth (m) at which the deeper of the two underwater PAR measurements was taken (not the maximum depth of the waterbody: Moore ~~and~~ & Murphy, 2015). In Neotropical sites turbidity was measured as Secchi depth (m), with maximum water depth (m) also given.

NEOTROPICAL WETLANDS

	Paiva Lake	Aeroclub Lake	La Antena Lake	Medina Lake	Municipal Lake	Antequera 1 Lake	Antequera 2	Herradura Lake 2
pH	6.44	7.41	7.4	7.30	7.53	6.76	6.6	6.8
Temperature (°C)	19.5	17.0	15.3	16.5	15	20.5	18	16.9
Flow	1	1	1	1	1	1	1	1
Conductivity (µS cm^{-1})	50	65	30	32	30	145	100	67
Secchi depth (m)	>1.24	1.1	>0.3	>1.5	>0.90	0.27	0.25	0.11
Water depth (m)	1.24	4.5	0.3	1.5	0.90	0.53	0.40	2.7
Disturbance	1	1	1	1	1	1	1	1

AFROTROPICAL WETLANDS

	Kasanka. Njelele Stream	Kasanka. Fibwe Stream	Kasanka. Luwombwa River	Bangweulu. Shoebill Lagoon A, Lukulu River	Bangweulu. Shoebill Lagoon C, Lukulu River	South Luangwa. Mushroom Lagoon
pH	6.44	7	8	7.4	6.83	7.97
Temperature (°C)	17.2	14.8	25	16.5	25	19.5
Flow	2	4	2	1	2	1
Conductivity (µS cm^{-1})	17	16	20	16	20	625
k (m^{-1})	4.76	4.664	1.447	32.19	1.943	21.638
Depth at which deeper PAR measurement taken (m)	0.22	0.22	0.22	0.15	0.22	0.04
Disturbance	2	1	1	3	2	3

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