

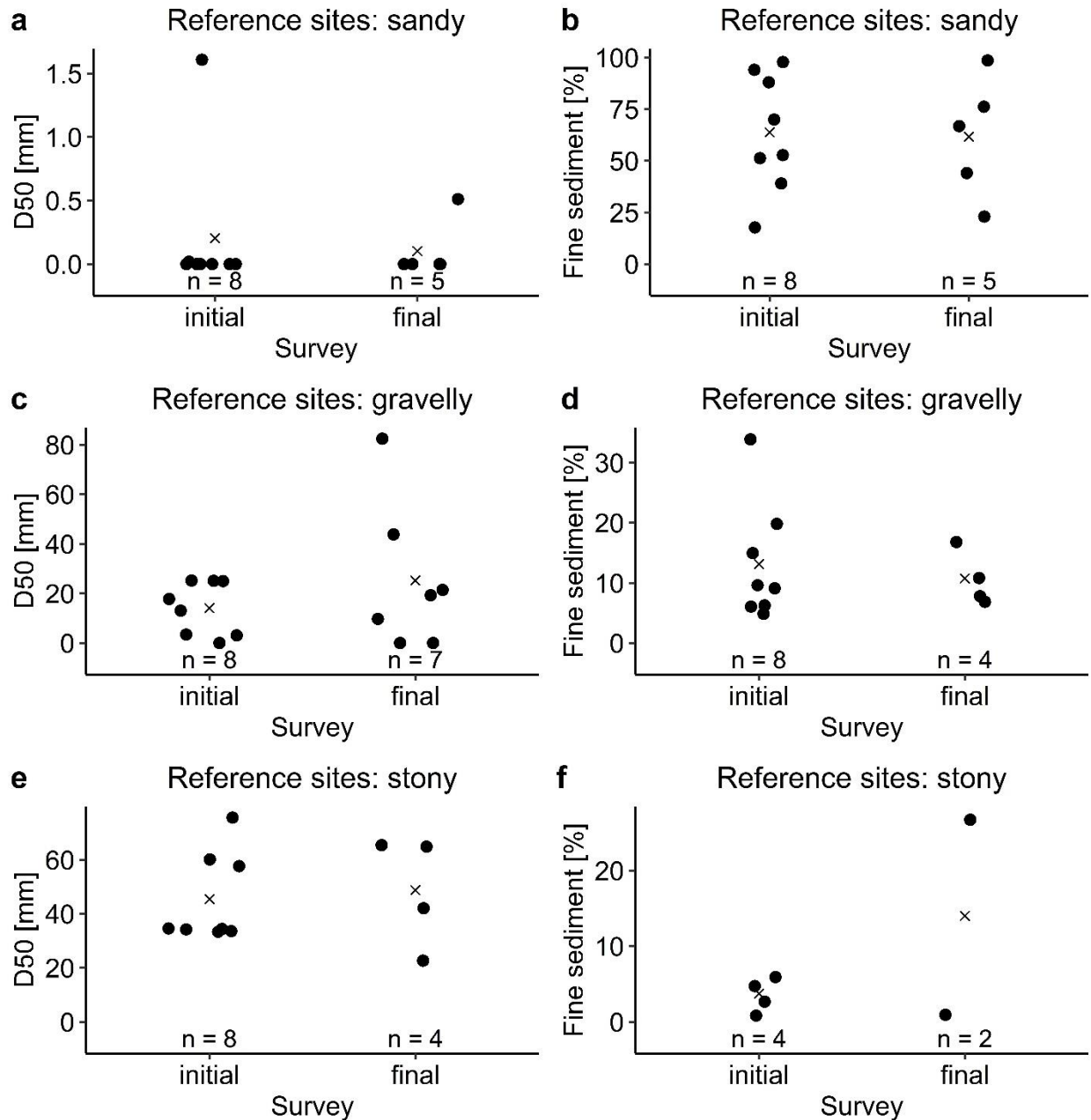
Supplementary Information

Article title: Active movement to coarse grained sediments by globally endangered freshwater pearl mussels (*Margaritifera margaritifera*)

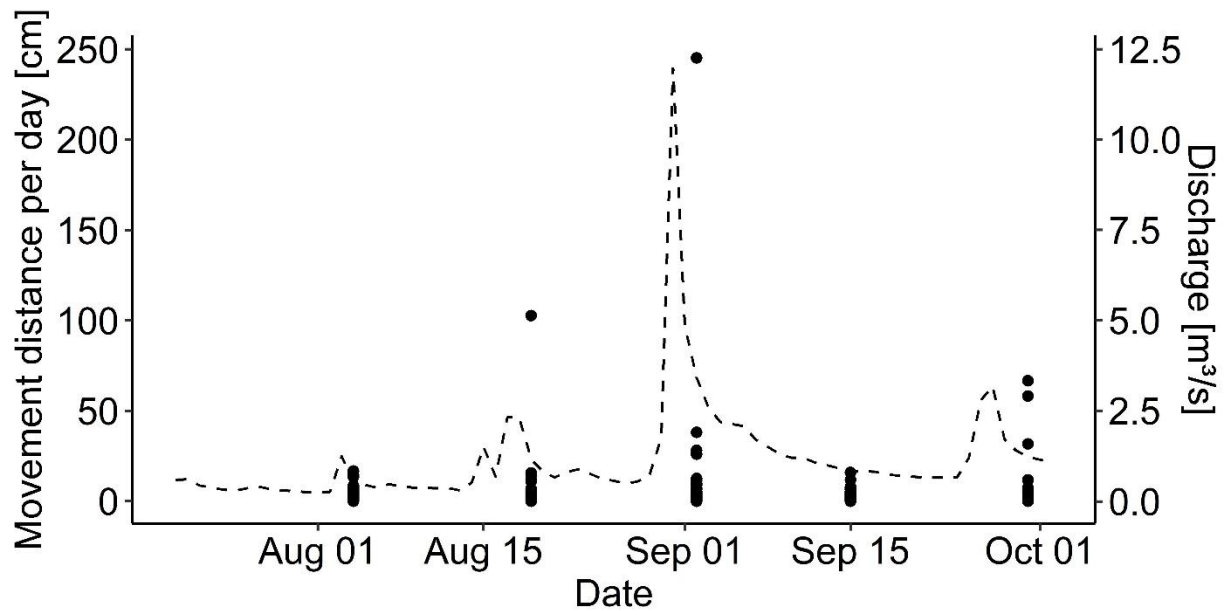
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Online Resource 1 Flow induced alterations of sediment characteristics (D50 – left, ratio of fine sediment – right) in sandy (a, b), gravelly (c, d) and stony (e, f) reference sites. *Points* – single values; *Cross* – mean value.



Online Resource 2 Discharge of the Weiße Elster over the time of the experiment (*scattered line*) at a monitoring station downstream of the inlets of all study streams. Hydrological properties of this station: average low discharge: $0.49 \text{ m}^3/\text{s}$, average discharge: $3.09 \text{ m}^3/\text{s}$, average high discharge: $27.6 \text{ m}^3/\text{s}$. Note: the maximum daily movement distances (*points*), defined as drift events, coincide with discharge peaks.