

Paleo-ecological analyses to assess long-term environmental effects of pearl farming in Western Australia

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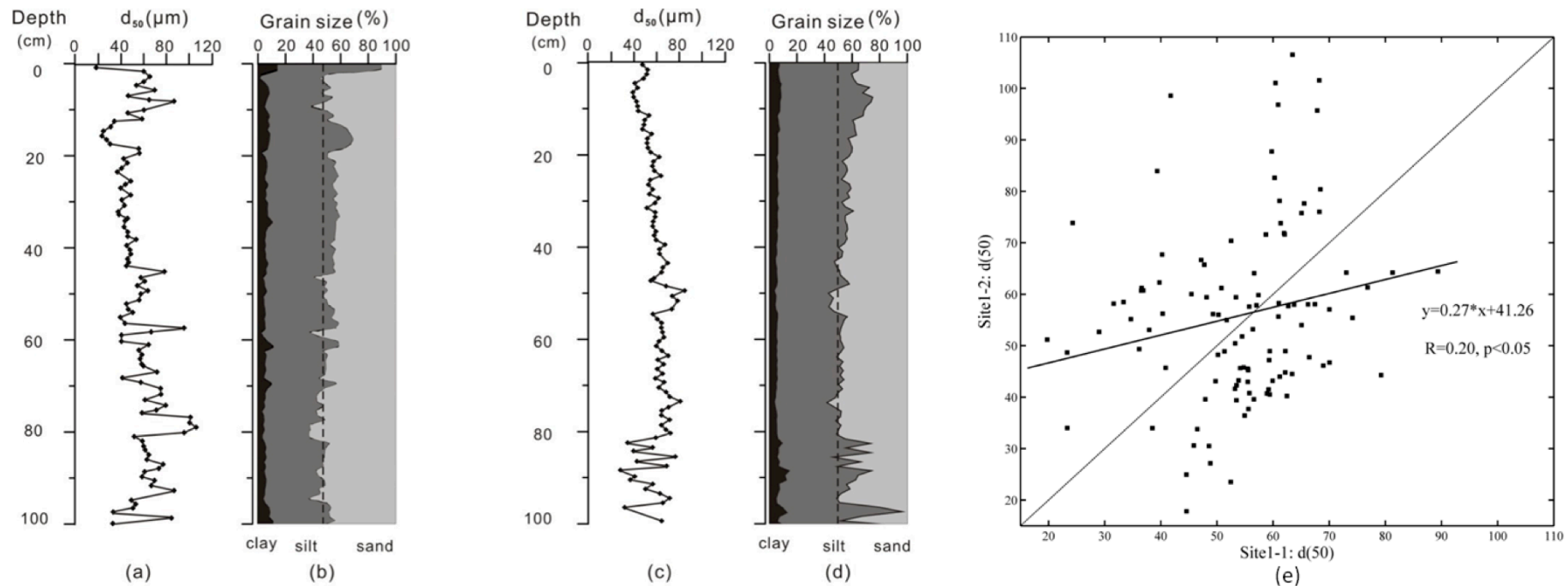


Figure S1 Assessing the similarity of two parallel cores at site 1 using median grain size d_{50} (regression analysis for d_{50} : $r=0.20$; $p < 0.05$). (a) d_{50} for core 1-1, (b) % clay, silt and sand for core 1-1, (c) d_{50} for core 1-2, (d) % clay, silt and sand for core 1-2, (e) regression for d_{50} core 1-1 vs core 1-2, $R=0.20$, $p < 0.05$

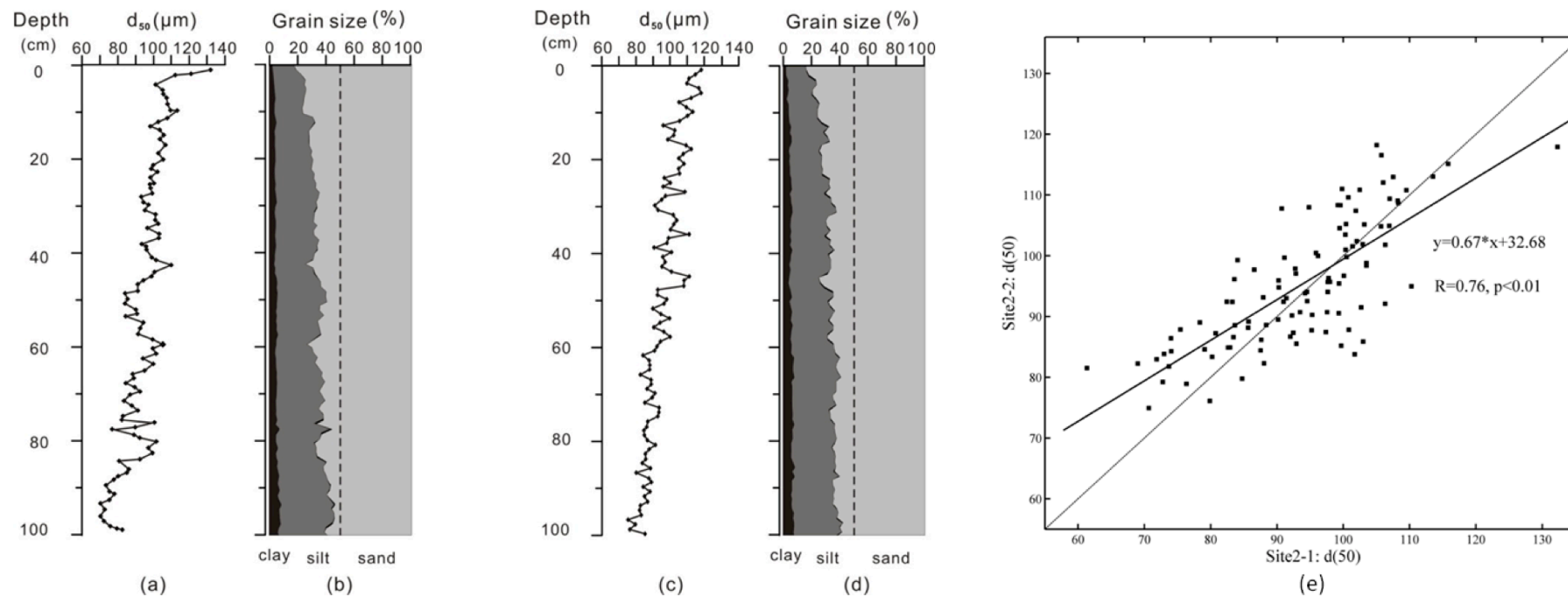


Figure S2 Assessing the similarity of two parallel cores at site 2 using median grain size d_{50} (regression analysis for d_{50} : $r=0.20$; $p<0.05$). (a) d_{50} for core 2-1, (b) % clay, silt and sand for core 2-1, (c) d_{50} for core 2-2, (d) % clay, silt and sand for core 2-2, (e) regression for d_{50} core 2-1 vs core 2-2, $R=0.76$, $p<0.01$.

Table S1 Pearson correlation analysis between grain sizes and geochemical parameters at site 1 and site 2, respectively.

	Site 1				Site 2			
	d_{50} (μm)	clay (%)	silt (%)	sand (%)	d_{50} (μm)	clay (%)	silt (%)	sand (%)
TOC (%)	-0.541**	0.241**	0.641**	-0.623**	0.087	-0.081	-0.194	0.172
TN (%)	-0.541**	0.185*	0.682**	-0.644**	0.678**	-0.621**	-0.697**	0.698**

Note: ** Correlation is significant at the 0.01 level (2-tailed) * Correlation is significant at the 0.05 level (2-tailed)