Supplementary material

Characterising sediments of a tropical sediment-starved continental shelf using cluster analysis of physical and geochemical variables

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\begin{figure}
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\includegraphics[width=\textwidth]{figure1}
\caption{Number of arthropod infauna per grab \textit{v.} number of non-arthropod infauna.}
\end{figure}

$R^2 = 0.4404$
Fig. S2. The k-means clustering of a matrix of Euclidean distance among sample stations based on seabed environmental data.
Fig. S3. Chondrite-normalised REE (rare earth elements) geochemistry of (a) average coarse (<2 mm) and fine sediment (<0.075 μm) from the Daly and Victoria River catchments (data from de Caritat and Cooper[1]) and (b–e) the sediment clusters (averages). A brown pellet analysis is also shown (b) for comparison. Patterns from A1, G, A5, A7, A6, A2 and B and the brown pellets are similar to river sediments with particle sizes <2 mm. However, the brown pellet analysis and A1 had pronounced Ce anomalies that were not evident in the river sediments. Patterns from A3 and F differed from the river sediments in having potentially lower Ho concentrations, whereas C, A4, D and E had sawtooth patterns pointing to potential detection limit problems. (TS, total sulfur.)
Fig. S4. Cross-plots of Fe v. Al. The positions of a brown pellet (calcirudite) analysis and bulk (<2 mm) and fine sediment (<0.075 μm) from the Daly and Victoria River catchments (data from de Caritat and Cooper\textsuperscript{[1]}) are also shown.

References