

Depositional environment of the Paloh bed sequence near Paloh, Johor

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A small hill, $\frac{1}{2}$ km to the south of Paloh town, Johor, trimmed for the purpose of a housing project, exposes an excellent, about 160 m thick upward-coarsening sequence which begins from structureless mudstone at the bottom, grading up into mudstone with thin (about 2 cm to 5 cm thick) parallel - laminated very fine-grained sandstone, silty mudstone with thin (about 5 cm thick) parallel and cross-laminated very fine-grained sandstone, into siltstone with thicker (up to 30 cm thick) cross-laminated fine-grained sandstone. This is cut by erosive-based, over 2 m thick, channelised, small-scale trough cross-bedded sandstone bodies. A clay bed, rootleted in the lower part and rich in plant remains in the upper part, topped the sequence.

This sequence is interpreted as representing prograded and abandoned mouth-bar sequence.
