

Mid-Holocene to recent sea level changes in Peninsular Malaysia: a tectonic implication

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This paper tries to analyse the Peninsular Malaysia mid-Holocene to recent relative sea level index points. 56 reliable sea level indicators are scrutinized and their relative sea levels corrected. Attempt is made to explain the relative sea level difference noted between the Peninsular Malaysia West and East coasts. A relative rate of sea level fall of 0.7 and 0.5 mm/year respectively, are indicated from cumulative analysis of the West and East coasts index points. The significant dissimilarity in the rate of sea level fall suggests differential crustal movement between the two coasts. Explanation of hydro- and tectono-isostasy are put forward to explain the observed discrepancy.