

Coupling of sea level changes and neotectonics activities in the Pearl River Delta-insight from stratigraphic profile and chronology

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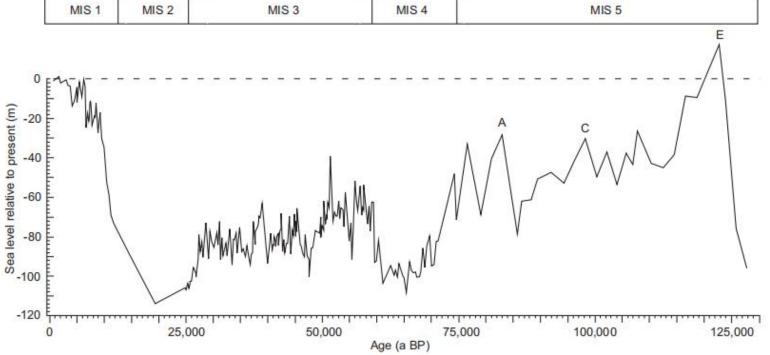




The location of the Pearl River Delta (PRD)

LiutiPine Only two marine sequences were preserved in the PRD Dongjiang River Guangzhou (Pearl River Delta) tiliang River Dongguan 110º E 105º E 115º E Jiangmen Zhongshan West Rive VIETNAM Pearl River delta and estuary km 200 South China Sea 114°02' (Zong, 2012)

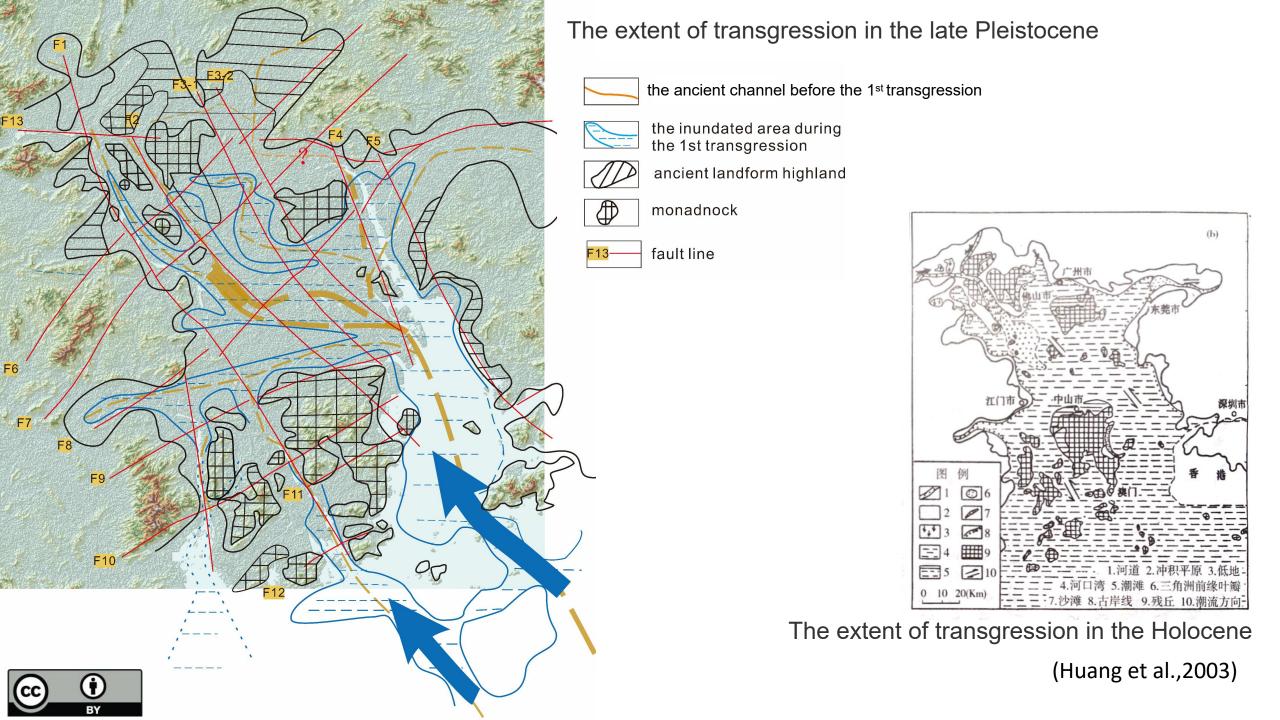
(Liu, 2012)



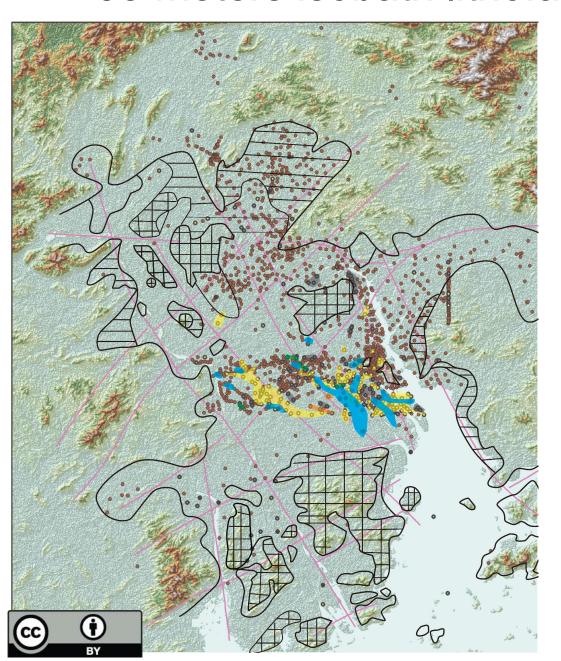
The sea-level curves for the past 130 000 years from the Red Sea (after Siddall et al. 2003; Rohling et al. 2007), Barbados and Haiti (Bard et al. 1990; Dumas et al. 2006), Huon Peninsular (Yokoyama et al. 2001), and west coast of Australia (Stirling et al. 1998).

- The younger marine sequence (SQ1)
 —MIS1
- The older marine sequence (SQ2)
 —MIS3 or MIS5? ?





-35 meters isobath lithofacies of PRD



The distribution of the older marine sequence (SQ2) is restricted to the southeastern part of the PRD and parts of the valley.

