

Formed and abandoned ages of residual river courses corresponding to the Late Holocene sea-level change in Sendai Coastal Lowland

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Sendai coastal plain, facing Pacific Ocean, is 50 km long from north to south and 10-15 km wide from east to west. The Nanakita, the Natori and the Abukuma River flow through the lowland. The ground level of this area is less than five meters above sea level. Natural levees, abandoned channels and beach ridge ranges are recognized in this lowland. Especially, several natural levee - abandoned channel systems that invaded into the back marshes, are recognized. We discussed the formed and abandoned ages of residual river courses, such as abandoned channels and buried shallow valleys, corresponding to the Late Holocene sea-level fluctuations. We recognized three periods, which the residual river courses were abandoned. They are 2,600 ± 211; 2,400 yrBP, 1,600 ± 211; 1500 yrBP and just after 1,000 yrBP. The sea-level had been raised slightly, in these three periods.