

## Lateral Variation of Tsunami Depositional Facies in a Small Bay Reflecting the Tsunami Go up Process

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Lateral variation of sedimentary facies of a tsunami deposit showing the go up process of the tsunami was observed in the Holocene drowned valley on the southern Boso Peninsula, east Japan. The tsunami deposit was resulted from the high-density turbidity current. It was deposited as boulder-size conglomerate with muddy matrix from gravelly high-density turbidity currents around the bay mouth, and was formed as gravelly sand sheet with hummocky cross-stratification from sandy high-density turbidity currents in the bay head.