

**Sedimentary facies, grain size distributions and C/N ratios in transverse direction of incised valley under the Nakagawa Lowland**

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The latest Pleistocene to Holocene incised valley fills (Chuseki-so) are distributed under the Nakagawa Lowland at eastward Saitama prefecture. The Chuseki-so consists of braided river, meandering river, estuary and delta system in ascending order (Ishihara et al., 2004; Kimura et al., 2006).

In this study, we considered the depositional process in the transverse direction of the incised valley using three boring cores. Those borehole cores are obtained at the right bank (GS-SK-1) and center (GS-MHI-1), left bank (GS-MUS-1) of the incised valley. The depositional process of the transverse direction of the incised valley was discussed based on the sedimentary facies, grain size distributions and C/N ratios of the deposits from the core.