

## Three dimensional distributions of N-values and sediments in incised valley fills: examples of Tokyo and Nakagawa Lowlands

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Incised valleys formed during the last glacial period are distributed under the Tokyo and Nakagawa lowlands. Distribution pattern of the incised valleys and infilling the uppermost Pleistocene-Holocene sequence are much importance for applied geology, such as comprehending distributions of soft strata, as well as clarifying the depositional process of the fills. We studied sedimentary cores and collected borehole data for displaying buried topography and three dimensional distributions of these filling sediments. In this report, we examined 4,500 of borehole data from Tokyo and Nakagawa lowlands (Katsushika-ku, Adachi-ku, Edogawa-ku, Taito-ku, Sumida-ku in Tokyo, and Misato-shi, Soka-shi, Koshigaya-shi in Saitama) using borehole database and GIS software, and clarified the distributions of N-values and sediments corresponding depositional process of the fills.