

Time and spatial distribution of sedimentary facies in Latest Pleistocene to Holocene incised-valley fills from Katsushika, Tokyo

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Latest Pleistocene to Holocene incised-valley fills, which distribute under Katsushika District, Tokyo Prefecture, consists of basal gravel, sand/mud alternation, and sand in ascending order. The sediments in the district are characterized of sand thicken 30m. To interpret the sedimentary environment of the sand we have drilled 70m- and 42m-long core sediments named GS-KJN-1 and GS-KTS-1, respectively. Thirty-two AMS radiocarbon have been obtained from shells/woods in the sediments. Time and spatial distribution of the sand is also identified based the sedimentary facies and radiocarbon dates of the core sediments and a data set of previously drilled 4000 cores in Katsushika and Adachi Districts.