

Seismic Intensity Distribution of Tokyo Metropolitan Area during the 1923 Kanto Earthquake

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Detailed seismic intensity distribution was reevaluated from the data of damage wooden houses during the 1923 Kanto earthquake in Tokyo Metropolitan area. The seismic intensities of most blocks were less than 5+ in JMA scale on Yamanote terrace. They were 6+ or 7 in the east side of Sumida river in Shitamachi lowland, while they were less than 6- in the west side even in Shitamachi lowland because there is a buried diluvial terrace under this region. The other areas where seismic intensity was 6+ or 7 were located on the line of Kanda-Zinbo-cho, Otemachi, and Hibiya. According to the old map before more than 400 years, this line was corresponding to the old creek of Kanda river and the Hibiya inlet, where a valley was buried under the ground and alluvial soil was accumulated very thick there.