

Comprehensive research on the Uemachi fault zone (3)

Tomotaka Iwata^{1*}, Comprehensive Research Group on the Uemachi Fault Zone²

¹DPRI, Kyoto University, ²Comprehensive Research Group on the Uemachi Fault Zone

The Uemachi fault is running beneath the Osaka sedimentary basin, which is the secondary large populated area in Japan. Our research group has started to study the Uemachi fault zone in detail to get the information for developing the long-term evaluation of earthquake occurrence and the strong ground motion prediction as the integrated research project for the Uemachi active fault system by MEXT for FY2010-2012. Our research group consists of four sub-research groups for (1) research on detail trace for fault segments, (2) research on three-dimensional source fault and crustal velocity structure, (3) research on fault activity and average dislocation velocity, and (4) research on strong ground motion prediction. Here we will summarize research results in this project.

Keywords: Uemachi fault zone, active fault survey, long-term evaluation, strong ground motion evaluation