

Geophysical explorations along the Gomura and the Yamada fault zone, and its applicability: Part 1 S-wave shallow seismic reflection survey and high-density electrical resistivity survey

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As a part of a research project commissioned by Secretariat of Nuclear Regulation Authority (S/NRA/R), to reveal the subsurface geometry of active fault and geological structure around the Gomura fault zone and the Yamada fault zone, we execute a seismic reflection and refraction survey, S-wave shallow seismic reflection survey, CSAMT survey, high-density electrical resistivity survey, and gravity survey. In this presentation, we demonstrate detail results of S-wave shallow seismic reflection survey and high-density electrical resistivity survey. Finally, we summarize applicability and efficiency of these geophysical explorations for the strike-slip active fault.

Keywords: S-wave shallow seismic reflection survey, high-density electrical resistivity survey, strike-slip fault, Gomura fault zone, Yamada fault zone