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Surface rupture associated with the 2000 Western Tottori Earthquake

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In the aftershock zone of the 2000 Western Tottori Earthquake, we carried out field survey. As the result, we found fractures of the ground surface and destructions of the artificial structure in multiple sites. We recognized the left-slip displacement of the fracture. We calculated the direction and the quantity of the left-slip fault displacement in which the artificial structure was destroyed. The quantity of the fault displacement was lwss than 40cm. The direction of the fault displacement was around NW-SE to NNW-SSE. These results accord with the fault model inferred from wave form analysis. In addition, these sites ranged along two straight lines, strike NW-SE, length about 5km, in core division of the aftershock zone.