

Active fault evaluation of which index is fracture width can be detected by gamma-ray survey

*tatsurou yoshimura¹

1. Daiichi Fukken Co., Ltd.

In our country, magnitude is decided depending on the length of an existing active fault. "Underground active fault" that was not able to be extracted by conventional active fault survey technique was detected in surface by gamma-ray survey. The active fault cannot be recognized alone by an undeveloped mountainous district in the fault displacement geographical features. Therefore, it is necessary to note feature geographical features in the geological features fault distribution part. It is understood that "Underground active fault" did not accompany the surface earthquake fault from the three-dimensional structural chart of the fault length, width, and fracture width. The fault in geology doesn't provide for the size. However, it seems that correspondence and measures of disaster prevention and the disaster mitigation concerning the active fault take shape by dividing the earthquake source fault according to the fault length and the fracture width.

Keywords: active fault, fracture width, gamma-ray survey