

A study of the crustal stress at Ohara town, Kyoto prefecture, near the Hanaore fault

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Crustal stress measurements by the hydraulic fracturing method were carried out at Ohara town, Kyoto prefecture in 1997. The Ohara site is 600m away from the Hanaore fault in west. The maximum and minimum horizontal compressive stresses at the depths of 200m-400m of the Ohara site are 18MPa and 12MPa, respectively.

Magnitudes of the stress of the Ohara site are higher than those along the Nojima fault, which was ruptured by the 1995 Hyogo-ken Nanbu earthquake (M7.2), and lower than those of other sites in Japan.