

Continuous measurements of water levels of wells at Inami town, Wakayama Prefecture

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The hydrographic Department, Japan Coast Guard(1948) reported that the water level of many well at the Pacific coast of the Kii and Shikoku district were dropped several days before the 1946 Nankai earthquake(M8.0). It will be important that the mechanism of drop of the water level is made clear. We think that the drop of the water level before earthquake was caused by some strain changes. In order to research the characteristics of artesian wells, we started surveys and continuous observations of water level changes in 2 wells at Inami town, Wakayama in 2001. And the observations of water levels of wells are extended to other areas. The water levels of Ichinenji well closed to seashore are affected by sea level changes and ocean tide.