

Groundwater responses around the Tono Mine to the earthquakes (owing to structural sensitivity or pore pressure spreading?)

Shun-ichi Azuma [1], Wakita Hiroshi Earthquake/Groundwater Research Team

[1] TGC, JNC

Water-level and pore pressure have been observed at some wells dug in the Toki Granite and/or the Toki Lignite-Bearing Formation around the Tono Mine.

The water-level/pore pressure in the Toki Granite showed co-seismic changes and post-seismic rises during about seven days to one month after the earthquake.

The spread of underground pore pressure rise should make the characteristics of the groundwater response to the earthquake.