

## Hydrogeological properties of host rocks surrounding Mozumi-Sukenobu fault zone

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The results of in situ hydraulic tests show that the hydraulic conductivities of host rocks surrounding the Mozumi-Sukenobu fault are between  $10^{-4}$  to  $10^{-7}$  cm/s. In the north part of the active fault survey tunnel, which is outside the Mozumi-Sukenobu fault, the results of in situ hydraulic tests show that the hydraulic conductivities tend to decrease, as the distance from the Mozumi-Sukenobu fault increases.

Much spring water was observed in the north part of the tunnel, while the tunnel was excavated. This spring water seems to be related to the breccia zone.