

# Geoscientific Studies in Mizunami Underground Research Laboratory -geophysical methods-

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Reflection seismic survey and Multi-Offset VSP survey were carried out at the Mizunami Underground Research Laboratory.

Generally, these investigation are numerously compared with geological information from the borehole investigation in the sedimentary rock area. And also, the reflective response from actual geological structure is grasped well. However, it's applicability hasn't discussed enough in the granite area.

In this report, we studied applicabilities of reflection seismic survey and Multi-Offset VSP survey to the investigation of fault and fracture in granite area.