

# Hydrogeological interpretation based on the long term pressure monitoring

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The Mizunami Underground Research Laboratory (MIU) is now under construction by Japan Atomic Energy Agency in the Cretaceous Toki granite in the Tono area of central Japan. The project is implemented in three overlapping phases: Surface-based Investigation (Phase 1), Construction (Phase 2) and Operation (Phase 3), with a total duration of 20 years. Phase 2 of the MIU project is now carried out.

And the long term pressure monitoring has been advanced by the research on hydrogeological investigations.

In this report, the long term pressure monitoring does an evaluation effective as one technique for the hydrogeological model's revise.

As a result, it was able to be confirmed that the effectiveness of the long term pressure monitoring during excavation.

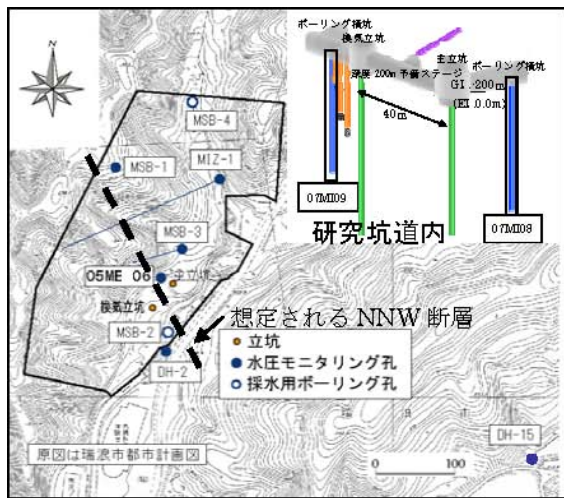


図1 地下水長期モニタリング孔位置図

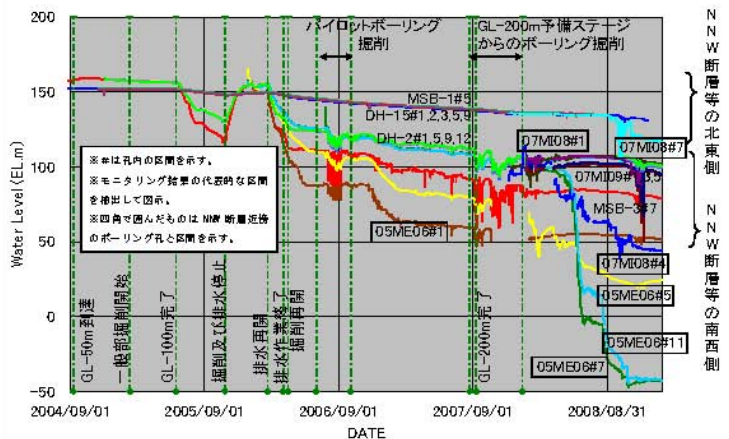


図2 研究坑道の掘削と地下水の長期水圧モニタリング結果 (花崗岩 圧力を水位標高に換算)