

Tono Natural Analogue Project - Quantitative estimation of uplift and subsidence at the Tono uranium deposits -

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History of exhumation and subsidence was studied to assess those effects to the preservation and migration of uranium at the Tsukiyoshi deposit of the Tono uranium deposits.

Quantitative estimation of uplift and subsidence was preliminary performed by means of the thickness of the each sedimentary formation and the depth of water at the time of sedimentation. Amount of uplift is quantitatively the maximum at the present time and subsidence was the maximum at the time of the Oidawara Formation, upper part of the Mizunami Group.

Further study is needed for reconstruction of the detailed history of uplift and subsidence, taking into account the sea-level change and thickness of eroded strata.