

Sedimentary characteristics of tsunami deposits made in wave flume

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The large-scale experiments on the formation of tsunami deposits was conducted in CRIEPI. This experiments is characterised by the very high-speed horizontal flows and the hydrological condition is more similar than that of previous experiments. We obtained core samples and peel samples from tsunami deposits. These samples show clear cross-shore variation of sedimentary structures of tsunami deposits.

In this presentation, we are going to show some actual peel samples and discuss local depositional characteristics of deposits observed in these peels.

Keywords: Tsunami deposit, Laboratory experiment, sedimentary structure