

Practice of the tsunami hydraulic experiment and the large peel sample using for the tsunami disaster education

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Tsunami education is very important for disaster mitigation near the future. We are working on two outreach projects. First, we have been making large peels from tsunami deposit outcrops around the Pacific coast of eastern Hokkaido, and we have donated these to the local museums due to the tsunami disaster education for local residents. Second, we developed a simple water tank for tsunami experiment using PVC plates with plastic sheeting for agriculture (4.5m long, 30cm high, 30cm wide). It was filled by fresh water. If we pull up the other end of the plastic sheet to resemble seafloor uplift due to the earthquake, the water was pushed up to propagate, tsunami wave run up a slope and splash out the water tank. Our prefabricated tsunami laboratory equipment is a good for the disaster education at the elementary school.

Keywords: large peel sample, tsunami hydraulic experiment, tsunami disaster education, large tsunami, tsunami deposit, eastern Hokkaido

