

**Reproducing Simulation of Track Inundation  
Caused by Overflow of a Small-scale River**

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Recently, due to frequent local torrential rainfall events with high intensity, overflow from small-scale rivers and channels, and explosive occurrence of surface flow and inflow of debris from mountain stream have caused disasters beyond imagination, and number of those disasters have been increasing. However, evaluation method of influence of such overflows on railway structures located in mountainous area has not yet been established. In this study, for a basic examination of the evaluation method, the authors selected devastated area including track inundation as a model case, and tried to reproduce situations at the time of suffering by runoff and flood analysis. This paper reports the contents and the results of the reproducing simulation.