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Predicting the impact of land management decisions on overland flow generation: Implications for cesium migration in forested Fukushima watersheds

Erica R. Siirila-Woodburn, Carl I. Steefel, Kenneth H. Williams, Jens T. Birkholzer

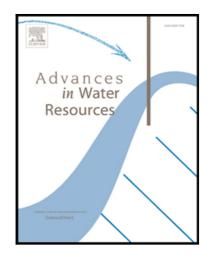
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Highlights

- Effects of LULC change on overland flow generation are numerically quantified.
- Tools include an integrated hydrologic model and high performance computing.
- Example watershed in Fukushima illustrates impacts on contaminant transport.
- Results show non-linearity of hydrologic response to storm event.
- No single parameter revealed correlation to overland flow generation.

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