

## Comprehensive modeling of hydrogeologic conditions of a catchment in Udo Peninsula, Kumamoto Prefecture

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Numerical modeling of hydrogeologic processes has been done for a catchment of Udo peninsula, Kumamoto Prefecture. The model reflects detailed topography, drainage system, landuse and estimated geological/hydraulic conditions of the site. Given the precipitation, its performance was checked by comparing with various hydrologic observation data, such as hydrographs of rivers, groundwater levels at observation wells.