

Development of Estimation Method for Run-off from the Bottom of Snow at Any Point using AMeDAS Data

Shigehiro IIKURA Ryota SATO Daisuke TAKAHASHI

A method for estimating a run-off from the bottom of snow at any point in the snow melt season is proposed using AMeDAS data. In this method, meteorological elements at any point are estimated using the IDW (Inverse Distance Weighting) method, and the estimated values are input to an estimated model of a run-off from the bottom of snow to estimate the amount of snowmelt. As a result of the analysis, we found that the amount of run-off from the bottom of snow can be roughly estimated at any point near a meteorological station (usually within 20 km).