Process	Symbol	Formula	Comment
Average annual runoff coefficient	C	$C = 1 - \frac{E}{P} = e^{-\frac{E_p}{P}}$	Based on the Budyko curve using the 95 % percentile, hence the modelled average annual runoff coefficient should be below the 95-percentile of the observations
Groundwater recharge	R_s	$R_{s,F} > R_{s,C}, R_{s,G}$	Based on the assumption that deeper rooting vegetation creates preferential drainage patterns
Annual interception	E_i	$E_{i,F} > E_{i,G}, E_{i,S}$	Based on the assumption that the interception is higher in forests than in grassland and shrublands
Fast runoff infiltration	–	$f_{Q_{river}} < 3\,\mathrm{yr}^{-1}$	Frequency of river runoff. Based on interviews, locals seldom observed runoff more than 3 times a year.