

Table Parameter Settings for SWAT Model Calibration of Five Rivers' Runoff

Parameter	Initial range	Units	Type
Surface Temperature Adjustment Factor	-5~5	-	Basin Variable
Soil Temperature Adjustment Factor	-5~5	-	Basin Variable
Maximum Soil Moisture Capacity	1~10	mm	Basin Variable
Minimum Soil Moisture Capacity	0.5~5	mm	Basin Variable
Percolation Index	0~1	-	Basin Variable
Surface Runoff Lag Time	10~150	days	Basin Variable
Groundwater Recharge Threshold	0~1	mm	HRU Variable
Slope Factor	0~100	-	HRU Variable
Maximum Canopy Storage Capacity	0.01~0.3	mm	HRU Variable
Overland Flow Manning's Roughness	0~1	-	HRU Variable
Soil Evaporation Compensation Factor	0.1~1	-	HRU Variable
Plant Uptake Compensation Factor	-0.3~0.3	-	HRU Variable
Curve Number Adjustment Factor	-0.5~0.5	-	Management Parameter
Biomixing Coefficient	-0.5~0.5	-	Management Parameter
Soil Depth Adjustment Factor	-0.5~0.5	-	Management Parameter
Soil Bulk Density Adjustment	-0.5~0.5	g/cm ³	Soil Parameter
Available Water Capacity Adjustment	-0.8~0.8	mm	Soil Parameter
Hydraulic Conductivity Adjustment	-0.5~0.5	mm/d	Soil Parameter
Soil Albedo Adjustment Factor	0~500	-	Soil Parameter
Groundwater Delay Time	0~1	days	Groundwater Variable
Baseflow Alpha Factor	0~1000	-	Groundwater Variable
Minimum Groundwater Flow Threshold	0.02~0.2	mm	Groundwater Variable
Groundwater Re-evaporation Factor	0~500	-	Groundwater Variable
Minimum Re-evaporation Threshold	0~1	mm	Groundwater Variable
Recharge Depth Adjustment Factor	0.01~0.3	-	Groundwater Variable
Channel Manning's Roughness	0~300	-	Channel Parameter
Channel Diffusion Coefficient	0~1	m/s	Channel Parameter

