

| Parameter | Unit | Lower bound | Upper bound |
|----------------------|-----------------------------|-------------|-------------|
| c_1 | – | –7.0 | –2.0 |
| c_2 | – | 0.1 | 1.0 |
| c_3 | – | –0.1 | 0.0 |
| ae_scale_factor | – | 0.7 | 2.0 |
| tx | °C | –2.0 | 1.0 |
| wind_const | – | 3.0 | 10.0 |
| wind_scale | – | 0.5 | 2.0 |
| snowfall_reset_depth | mm SWE | 3.0 | 7.0 |
| snow_cv_forest | – | 0.15 | 0.2 |
| snow_cv_intercept | – | –0.03 | –0.07 |
| snow_cv_slope | m^{-1} | 0.0003 | 0.0007 |
| max_water | – | 0.5 | 0.15 |
| $A_{s,0}$ | $\text{m}^2 \text{kg}^{-1}$ | 50.0 | 100.0 |
| surface_magnitude | mm SWE | 20.0 | 40.0 |
| max_surface_layer* | mm SWE | 4.0 | 16.0 |
| depo_factor* | – | 0.5 | 1.5 |
| k_{phob}^* | – | 0.003 | 0.3 |
| k_{phil}^* | – | 0.02 | 2.0 |